Technical Note

To:	Eric Wall Holdings Ltd	From:	Envireau Water
Ref:	2449 EricW Longacre GH&R \ Glasshouses Cond Note	Pages:	10 + 7 Figures + 3 Appendices
Re:	Y/92/15/PL – Approval of Details Reserved by Condition	Date:	26 11 2018

APPLICATION: Y/92/15/PL
APPLICANT: Eric Wall Holdings Ltd
PROPOSAL: The erection of a glasshouse and reservoir and associated buildings
LOCATION: Land at Long Acre Field, Maypole Lane, Yapton, West Sussex

1 INTRODUCTION

1.1 Background and Scope

Eric Wall Holdings Ltd have planning permission (Y/92/15/PL) for the erection of a glasshouse, reservoir and associated buildings at their site at Long Acre Field, Maypole Lane, Yapton, West Sussex ("the Site"). The planning permission was granted by Arun District Council in January 2016 subject to approval of a series of conditions.

This report has been prepared by Envireau Water on behalf of Eric Wall Holdings Ltd to provide information to aid in the discharge of Planning Conditions 8, 9, 10 and 11 of the planning permission (Y/92/15/PL) at the Site. The conditions are related to the management of surface and foul water as part of the proposed development and state the following:

Condition 8

"Development shall not commence until full details of the proposed surface water drainage scheme have been submitted to and approved in writing by the Local Planning Authority. The design should follow the hierarchy of preference for different types of surface water drainage disposal systems as set out in Approved Document H of the Building Regulations, the recommendations of the SuDS Manual produced by CIRIA.

Winter groundwater monitoring to establish highest annual ground water levels and Percolation testing to BRE 365, or similar approved, will be required to support the design of any Infiltration drainage.

No building shall be occupied until the complete surface water drainage system serving the property has been implemented in accordance with the agreed details and the details so agreed shall be maintained in good working order in perpetuity."

Condition 9

> *"The development shall not proceed until formal consent has been approved in writing from the Lead Local Flood Authority (WSCC) or its agent (ADC) for the discharge of any flows to watercourses, or the culverting, diversion, infilling or obstruction of any watercourse on the site. Any discharge to a watercourse must be at a rate no greater than the pre-development run off values."*

Condition 10

> *"The development layout shall not be agreed until such time that arrangements for the future access and maintenance of any watercourse or culvert (piped watercourse) crossing or abutting the site has been submitted and approved in writing by the Local Planning Authority. No construction is permitted, which will restrict current and future land owners from undertaking their riparian maintenance responsibilities of any watercourse on or adjacent to the site."*

Condition 11

> *"Construction of the development shall not commence unless and until details of the proposed means of foul water sewerage disposal has been submitted to, and approved in writing by, the Local Planning Authority in consultation with Southern Water. The scheme as approved shall be implemented prior to the first occupation of the dwellings and thereafter maintained in good working order."*

1.2 Objectives of this Report

The objectives of this report are to fulfil the requirements of Conditions 8, 9, 10 and 11 by providing a surface water drainage scheme; including any relevant formal consents and arrangements for access and maintenance, and a foul water drainage scheme.

2 CONDITION 8 – SURFACE WATER DRAINAGE SCHEME

2.1 Soil Infiltration Testing

Soil infiltration testing was conducted at the Site on 27th September 2018. The purpose of the testing was to assess the suitability of infiltration-based methods for the disposal of surface water runoff from the proposed access road, ancillary buildings and that attenuated within the proposed reservoir. Both the ground and weather conditions on the day of the testing were dry.

A total of 6 trial pits were excavated at locations proximal to the proposed access road and ancillary buildings at the Site as shown on Figure 1. Three of these pits (TPS1, TPS2A, TPS3A) were used for infiltration testing.

At trial pits TPS1 and TPS2A, a 0.6m wide x 1.2m deep x 1.6m long pit was created using an excavator. At TPS3A, a slightly longer pit of 1.9m was excavated. The dimensions of each trial pit were recorded and checked to ensure each infiltration pit was of the required size once excavated.

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In accordance with the Building Research Establishment (BRE) Digest 365, the infiltration testing pits were filled with freshwater and allowed to drain away to near empty. During each of the tests, the soil infiltration rate was calculated from the time taken for the water level in the pit to fall from 75% to 25% of the effective storage depth.

The infiltration testing results are presented in Appendix A and summarised in Table 1. The tests show that the infiltration rates for all three trial pits (TPS1, TPS2A and TPS3A) are sufficient to be a viable method for disposing of stormwater water runoff generated over the proposed access road, ancillary buildings and that attenuated within the reservoir.

Table 1 Soil Infiltration Rate Testing Results

Infiltration Trial Pit	Calculated Infiltration Rate (m/s)
TPS1	3.33×10^{-5}
TPS2A	1.54×10^{-4}
TPS3A	2.24×10^{-5}

2.2 Groundwater Level Monitoring

Winter groundwater level monitoring has been implemented at locations proximal to the proposed access roads and ancillary buildings. The purpose of the monitoring is to determine if groundwater levels are at sufficient depth to enable the use of infiltration systems for discharging surface runoff.

For the purposes of groundwater level monitoring, the trial pits TPS1A, TPS2, TPS3 (Figure 1) were deepened and standpipes were installed to the base of each pit.

The current monitoring complements groundwater level monitoring undertaken at the location of the proposed reservoir in the autumn and winter of 2017. As part of these works, five trial trenches were excavated. No groundwater was encountered in any of the trenches to a depth of 4.5-5.0m. Standpipes were installed in two of the trial trenches (Site 1 and Site 2). Site 1 and Site 2 are currently monitored alongside TPS1A, TPS2, TPS3.

Manual measurements of water level at each of the monitoring points are being taken on a monthly basis using a dip meter for the duration of the winter 2018/2019 period. A summary of the standpipe depths for each of the monitoring points is provided in Table 2.

Table 2 Standpipe Monitoring Locations and Depths

Monitoring Point	Standpipe Depth (mbgl)
TPS1A	4.08
TPS2	3.15
TPS3	2.86
Site 1	4.17
Site 2	4.05

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The groundwater level data collected at the Site since installation in winter 2017 is summarised in Table 3. The highest groundwater level recorded over the monitoring period to date is 2.19 metres below ground level equivalent to 7.10mAOD at TPS2 which is located at the approximate centre of the Site.

Monitoring is to continue over the coming 2018/2019 winter period to ascertain the winter groundwater levels at the Site. The results from the monitoring period will be supplied to Arun District Council.

Table 3 Site Groundwater Level Monitoring Data

	Groundwater Level (metres below ground level)				
Date	**TPS1A**	**TPS2**	**TPS3**	**Site 1**	**Site 2**
October 2017				DRY	DRY
November 2017				DRY	DRY
December 2017				DRY	DRY
January 2018				DRY	DRY
February 2018				DRY	DRY
March 2018				DRY	DRY
April 2018				DRY	DRY
27/09/2018	DRY	2.19	2.25	DRY	DRY
18/10/2018	DRY	2.82	3.17	DRY	DRY
09/11/2018	DRY	No change	No change	DRY	DRY

2.3 SuDS Hierarchy Assessment

The Building Regulations 2010 (2015 edition) Approved Document Part H3 – Drainage and Waste Disposal [Ref. 1] and CIRIA SuDS Manual C753 [Ref. 2] state that surface water runoff from a drainage system shall discharge to one of the following in order of priority:

- Into the ground (Infiltration) – an adequate soakaway or other infiltration system; or, where it is not reasonably practicable.
- A watercourse or surface water body; or where it is not reasonably practicable.
- A public sewer.

In line with the SuDS hierarchy, each surface water discharge method has been considered for the Site in sequential order.

2.3.1 Infiltration

The first preference is to discharge surface water runoff via infiltration based methods.

Soil infiltration testing carried out at the Site (see Table 1) concluded that the site soils have a sufficient permeability to be a viable method for wholly or partly disposing of surface water runoff.

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2.3.2 Watercourse/Surface Water Body

If it is not practicable to discharge surface water via infiltration, then the secondary preference is to discharge to a watercourse or surface water body.

A drainage survey of the Site and surrounding local area of Yapton was undertaken by Envireau Water on 27th September 2018. The purpose of the survey was to identify the routes of local watercourses and drainage systems and assess their potential suitability to receive attenuated surface water runoff from the development, principally the proposed reservoir.

The nearest watercourse to the Site is the Little Tortington Stream (tributary of the River Arun) located immediately to the north of a railway line at the northern boundary of the Site village. However, a drainage survey of the local area around the Site by Envireau Water (see Section 2.4) found no connection beneath the railway line. This matches the findings of Yapton Parish Council's 'Operation Watershed' which investigated connectivity at this location, finding none. A further watercourse, the Yapton Rife, exists approximately 800m to the southwest near Yapton village. A connection to the Yapton Rife would require significant ground and drainage works. The size and nature of the developments also does not warrant the cost and disruption caused by the associated works.

A closed drainage system exists on land at Lakedell which is situated to the northeast of the Site, on the opposite side of Maypole Lane. The system comprises a series of excavated storage areas with a large, deep pond (soakaway) at the end of the system which receives highway drainage and surface runoff from the residential properties on Maypole Lane.

The potential to discharge a proportion of the attenuated stormwater within the proposed reservoir at the greenfield runoff rate to the Lakedell system has been verbally discussed with the drainage team at Arun District Council. In principal, no fundamental issues or concerns were raised. However, it was noted by the drainage team that Maypole Lane has experienced flooding in the past. The issues of flooding on Maypole Lane are considered to be in part due to the Lakedell system being overwhelmed by the volume of runoff and in part due to the system having no outlet.

Ensuring that the risk of flooding to Maypole Lane and residential properties is not exacerbated by the proposed development is critical. Consequently, the design philosophy behind the drainage scheme and reservoir seeks to incorporate betterment.

2.3.3 Public Sewer

If it is not possible to discharge surface water to a watercourse or surface water body then the final preference is to discharge to a local public sewer network.

Sewer asset plans sourced from Southern Water indicate that there are no combined or surface water sewers at the Site or in the local surrounding area of Yapton. Therefore, discharging surface water runoff to a sewer network is not possible and is ruled out as a potential option.

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2.3.4 Summary

Based on the information presented above and site specific soil infiltration testing, the most suitable option for managing runoff over the proposed access road, ancillary buildings surrounding the glasshouse would be to utilise infiltration-based methods. The use of infiltration methods is also considered to be suitable for discharging a portion of the attenuated stormwater within the proposed reservoir.

2.4 Surface Water Drainage Scheme

The proposed surface water drainage scheme layout for the whole Site is presented in Figures 2 and 3. Detailed drainage drawings are presented in Appendix B.

2.4.1 Access and Ancillary Buildings

Surface water runoff from the access roads and ancillary buildings is to be managed by the use of French drains and shallow (max. 1m deep) infiltration/storage swales. Earth 'check dams' with a high level water transfer pipe will be incorporated within sections of the swales to maximise storage capacity, slow runoff and to promote infiltration to ground. During the construction phase of the development, it is anticipated that the access road will initially be surfaced with Type 1 granular material and will have no positive drainage. Upon completion of the site construction, the access road will be asphalted and potentially kerbed with positive drainage to the French drain and swales as per the proposed drainage layout.

2.4.2 Glasshouse

The glasshouse drainage system design and layout is shown on Figure 2. Surface water runoff from the glasshouse roof area (3.62ha) will be harvested by guttering which drain to fixed downpipes located at the edges of each of the glasshouse bays. The downpipes from each gutter will be fixed into the main sub-surface drainage pipes which is split into two separate pipe systems; one covering the western side of the glasshouse and one covering the eastern side. The glasshouse drainage will be a sealed system and therefore vertical air release pipes will be installed at regular intervals rising up the gable of the glasshouse.

The glasshouse roof drainage system routes runoff water under gravity via two sub-surface pipes to the proposed reservoir at the far eastern section of the Site. The drainage pipes surface at the foot of the reservoir embankment before going up the embankment and discharging into the reservoir (inverted siphons). The glasshouse roof is set higher than the top of the reservoir as to provide sufficient driving head to lift water up and over the reservoir embankment into the reservoir. A small pump will be installed in each of the sealed drainage pipes in order to evacuate the rest of the water from the system, as and when required.

2.4.3 Reservoir

A schematic showing the design and discharge arrangements of the proposed reservoir is presented in Figure 4. The reservoir is designed to have a total capacity of 41,000m^3 with an embankment height of +2m above ground level (+9.5mAOD) and a base of -3.5m below ground level (+4.0mAOD). The reservoir will be lined with a 1.5mm HPDE membrane with a 4000N non-woven protective underlay.

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In light of the past flooding issues on Maypole Lane resulting from inundation of the Lakedell system, betterment within the design of the reservoir has been sought as to ensure that the current risk of flooding to Maypole Lane is not exacerbated and ultimately reduced. To achieve this, sufficient stormwater storage to accommodate runoff from the glasshouse roof and reservoir area during an extreme 7 day, 1 in 1000 year storm event storm event has been incorporated within the reservoir design.

The reservoir design will provide betterment in terms of the rate of runoff to the Lakedell system and ensure that runoff rates and volumes elsewhere are not increased beyond the existing scenario. Based on site topographical survey data and 1m spatial resolution LiDAR data sourced from the EA, the catchment draining to the Lakedell system is estimated to be 12.2ha (see Figure 5). The reservoir will remove approximately 1.3ha of catchment that would otherwise drain naturally to the Lakedell drainage system. This represents a 10% reduction in the total catchment area draining to Lakedell, thereby reducing loadings on the "pond" soakaway feature at the end of the system.

The reservoir will have a high level throttled outflow at a 1 in 1 year greenfield rate of 2.5 l/s (based on the reservoir area of 1.3ha using ReFH2) to the infiltration swales along the southern boundary of the Site. The residual stormwater volume above this level will be held in the reservoir and discharged following the storm event at a rate of 2.5 l/s via a siphon system to the local watercourse (ditch) along Maypole Lane and into the Lakedell drainage system. This is under the premise that the Lakedell system is not in flood conditions.

The reservoir design levels and stormwater discharge arrangements are summarised as follows:

- A maximum irrigation storage water level of +7.5m AOD (at or close to general ground elevation);
- A stormwater storage water level between +7.5 and +8.3m AOD (max. level for a 7 day, 1 in 1000 year extreme storm event);
- A high level throttled outflow pipe with invert set at +8.0m AOD (draining to the infiltration swales on the southern boundary at 2.5 l/s); and
- A siphon intake invert set at the +7.5m AOD (discharging the residual stormwater off-site to the northeast at a 1 in 1 year greenfield runoff rate 2.5 l/s, but only if the receiving watercourse and Lakedell drainage system is not in flood conditions).

2.4.4 Drainage Design Modelling

The proposed surface water drainage scheme has been modelled using drainage design software Causeway Flow (v7.0). Figure 6 and 7 show the nodal numbering used in the model. The results of the modelling and associated node plans are provided in Appendix C.

The modelled glasshouse sealed drainage system includes the main sub-surface drainage system pipes only; the guttering and downpipes have not been individually modelled. The gravity driven system going up the reservoir embankment and into the reservoir has been modelled.

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The drainage modelling results conclude the following:

- The French drains and infiltration swales managing runoff from the access roads and ancillary buildings are suitability sized to accommodate a 1 in 100 year + 30% climate change storm event without a discharge off-site;
- The reservoir can accommodate a 7 day, 1 in 1000 year storm event with an outflow throttled at 2.5 l/s to the infiltration swales with no discharge to the Lakedell drainage system; and
- The reservoir can store up to a 1 day, 1 in 100 year + 30% climate change storm without any outflow from the reservoir to the infiltration swales or the Lakedell drainage system.

3 CONDITION 9 – ORDINARY WATERCOURSE DISCHARGE CONSENT

An Ordinary Watercourse Land Drainage Consent application for the proposed siphon controlled outfall from the reservoir to the watercourse (ditch) alongside Maypole Lane is to be submitted to Arun District Council.

The siphon will discharge the residual stormwater from the reservoir at a greenfield runoff rate of 2.5 l/s.

4 CONDITION 10 – WATERCOURSE ACCESS AND MAINTENANCE

Access to the proposed siphon controlled outfall for inspection and maintenance will be available on Maypole Lane and/or via an existing gated field access at the north-eastern corner of the Site. Inspection and maintenance of the siphon outfall will be adopted and undertaken by Eric Wall Holdings Ltd.

The siphon outfall construction will be small scale and in-keeping with the existing hydraulic structures along the watercourse. Therefore, the outfall will not restrict current and future land owners from undertaking their riparian maintenance responsibilities of the watercourse.

5 CONDITION 11 – FOUL WATER DRAINAGE SCHEME

It is proposed that foul water from the staff facilities (canteen and restrooms) associated with the proposed glasshouse is managed by the use of a cesspit (sealed underground tank). The cesspit is to be sited to the east of the proposed canteen and restroom building as shown in Figure 2. This will allow vehicular access via the proposed car park for emptying and maintenance.

Based on sewer asset plans obtained from Southern Water, a connection to the nearest foul sewer would require significant ground works. Furthermore, the use of a septic tank is not considered appropriate given the relatively shallow groundwater levels monitored at the Site which may impact on the system (see Section 2.2). Therefore, the use of a cesspit is considered the most appropriate option for managing foul water at the development.

The cesspit will need to accommodate circa. 10 personnel. Based on a typical foul flow for small-medium sized industrial units of 100 litres / per person / per day, a minimum storage capacity below the level of the inlet of the cesspit of 28,000 litres (28m^3) is required. This assumes that the cesspit is emptied at least once every 28 days. The cesspit will be emptied by the use of a licensed water disposal contractor.

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6 SUMMARY

- Soil infiltration testing has been undertaken at the Site. It concluded that the use of infiltration methods would be a viable method for disposing of surface water runoff from the proposed access roads, ancillary buildings and a proportion of that attenuated within the site reservoir.

- Winter groundwater level monitoring is being carried out at locations across the Site. The results to date show that the highest groundwater level recorded at the Site is 2.19 metres below ground level. The monitoring is to continue throughout the winter 2018/2019 period to ascertain the winter groundwater levels. Results of the winter monitoring will be provided to Arun District Council.

- A SuDS Hierarchy Assessment for surface water discharges has been undertaken. It concluded that the use of infiltration methods would be the most suitable and viable option for disposing of surface water runoff. Infiltration and storage will be provided by swales.

- Foul water from the canteen and restrooms of the proposed glasshouse will be managed by the use of a cesspit (sealed underground tank) with a capacity of 28m^3.

- Betterment to the issues of flooding at Maypole Lane will be provided by storing stormwater up to a 7 day, 1 in 1000 year storm event within the proposed reservoir without a discharge.

- The reservoir can accommodate a 7 day, 1 in 1000 year storm event with an outflow throttled at 2.5 l/s to the infiltration swales with no discharge to the Lakedell drainage system.

- The reservoir can store up to a 1 day, 1 in 100 year + 30% climate change storm without any outflow from the reservoir to the infiltration swales or the Lakedell drainage system.

Envireau Water
26 11 2018

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REFERENCES

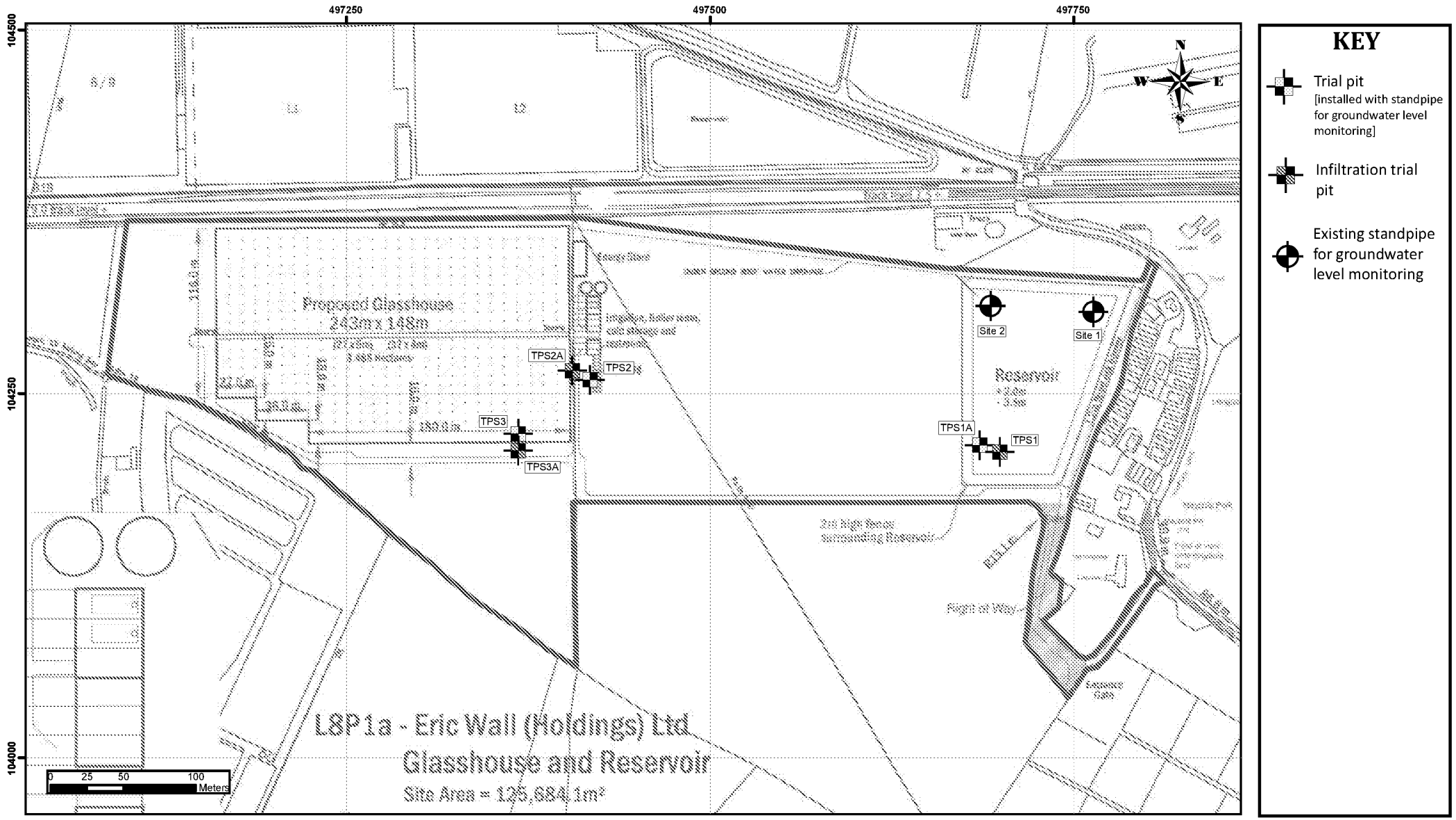
Ref.1 HM Government. (2010). Building Regulations Approved Document H – Drainage and waste Disposal.

Ref.2 CIRIA. (2015). SuDS Manual C753.

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FIGURES

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Ref: 2449 EricW Longacre GH&Res\ FIG 1 Date:22/11/2018	**Eric Wall Holdings Ltd**
Figure 1	Infiltration Testing and Standpipe Locations

Nursery
WELL
S1
Tanks
6/9
Und
L1
L2
Reservoir
Bowley Cottage
0.9m TB
Lake Lane
Dept
MP 21.25
El Sub Sta
S18
S.0 track level +
track level 7.5 +
Track
Lake Barn
Proposed siphon controlled outfall to local watercourse (ditch)
Lakedell
Energy Store
Sub-surface glasshouse roof water drainage (x2 500mm pipes)
Existing drainage system to Lakedell "pond"
Sub-surface glasshouse roof drainage
Proposed Glasshouse
Door
Doors
Irrigation, Boiler room, cold storage and restrooms
Inverted siphons into reservoir
Residual stormwater discharge via siphon to local watercourse along Maypole Lane
Co Const, ED &Ward Bdy
0.9m TB
Track
Parking
Approx. location of cesspit (min. 28,000 litres capacity assuming 10 no. personnel, emptied every 28 days) 1.8m dia x 10m long
Reservoir
+ 2.0m
- 3.5m
Stormwater overflow pipe from reservoir to infiltration ditch
1.2m flood risk barrier
Longacre Park
French drain
Drain
Earth 'Check dam' with high level pipe for water transfer
Infiltration/storage swale
Pipe beneath access road
Maypole Park
Maypole Inn (PH)
The Paddocks
Longacre
Earth 'Check dam' with high level pipe for water transfer
Infiltration/storage swale
Pipe beneath access road
Earth 'Check dam' with high level pipe for water transfer
CH
RH
Yapton Lodge
Park Cottages
North End Stables

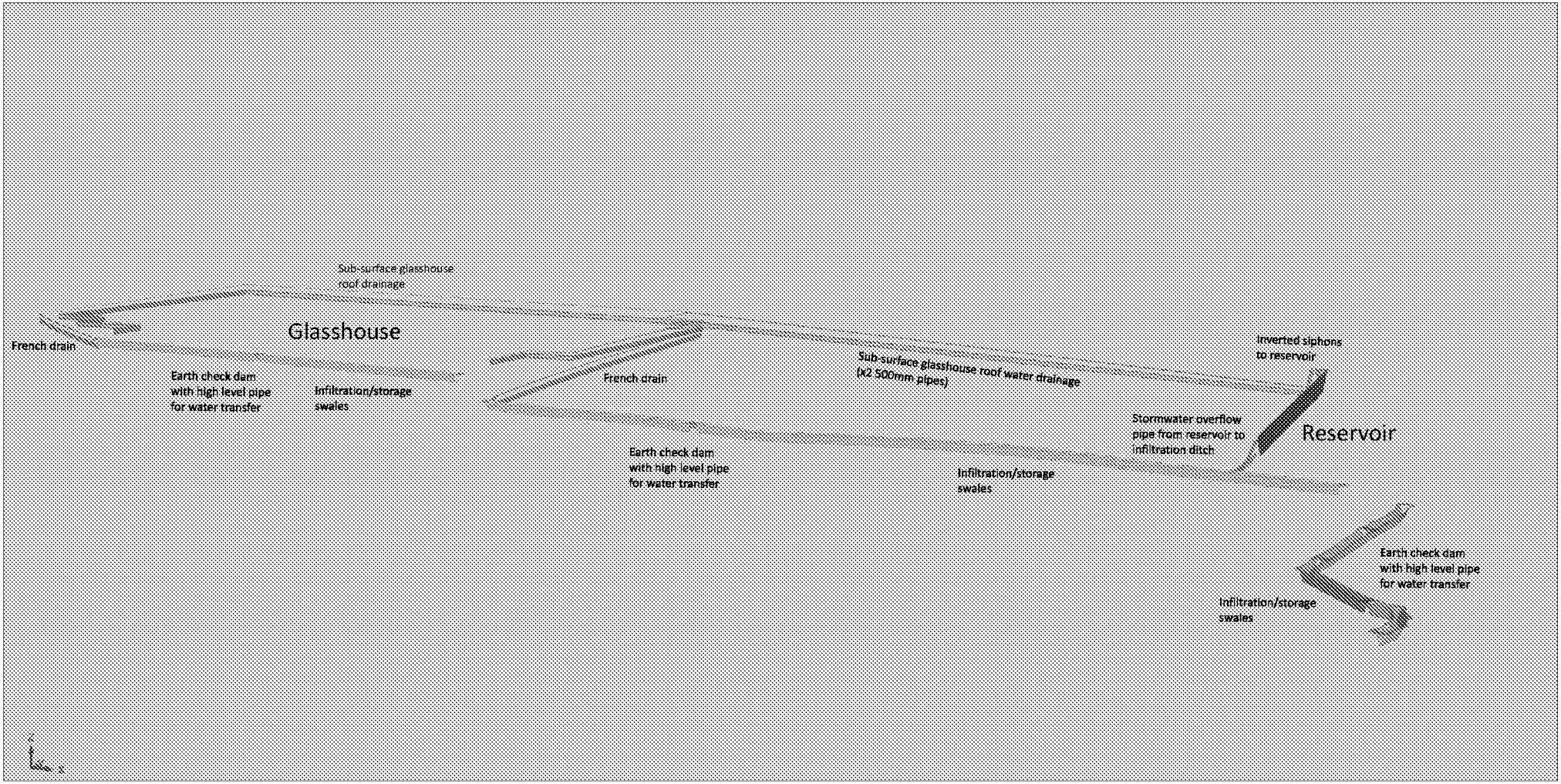
French drain dimensions	Infiltration swale dimensions
150mm, 1m, 0.5m	2.5m, 1:1, 1m, 1:1, 0.5m
Drawing not to scale	*Drawing not to scale*

Boiler Layout Plan

Ref: EricW Longacre GH&Res (2449) Date: 23/11/2018	**Eric Wall Holdings Ltd**
Figure 2	Proposed Surface and Foul Water Drainage Scheme

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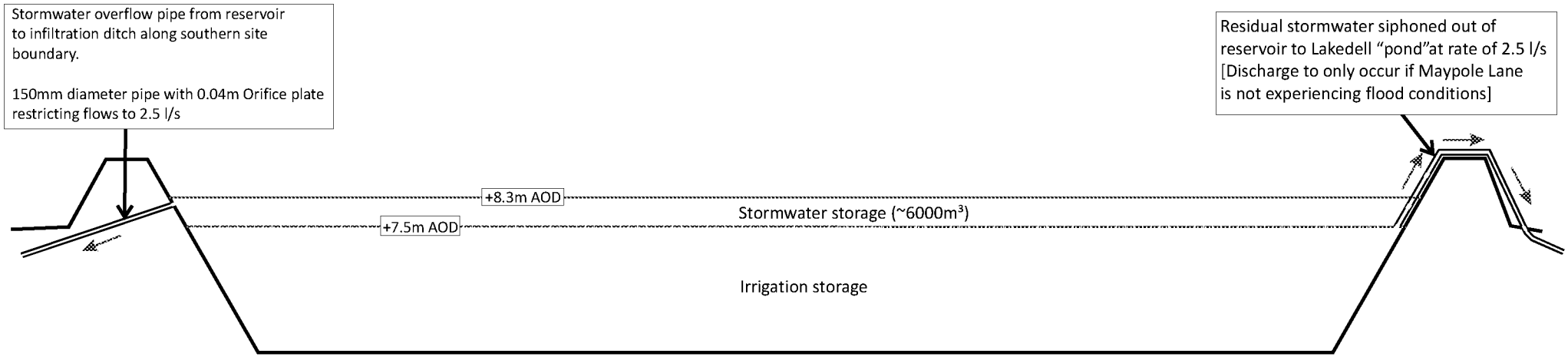
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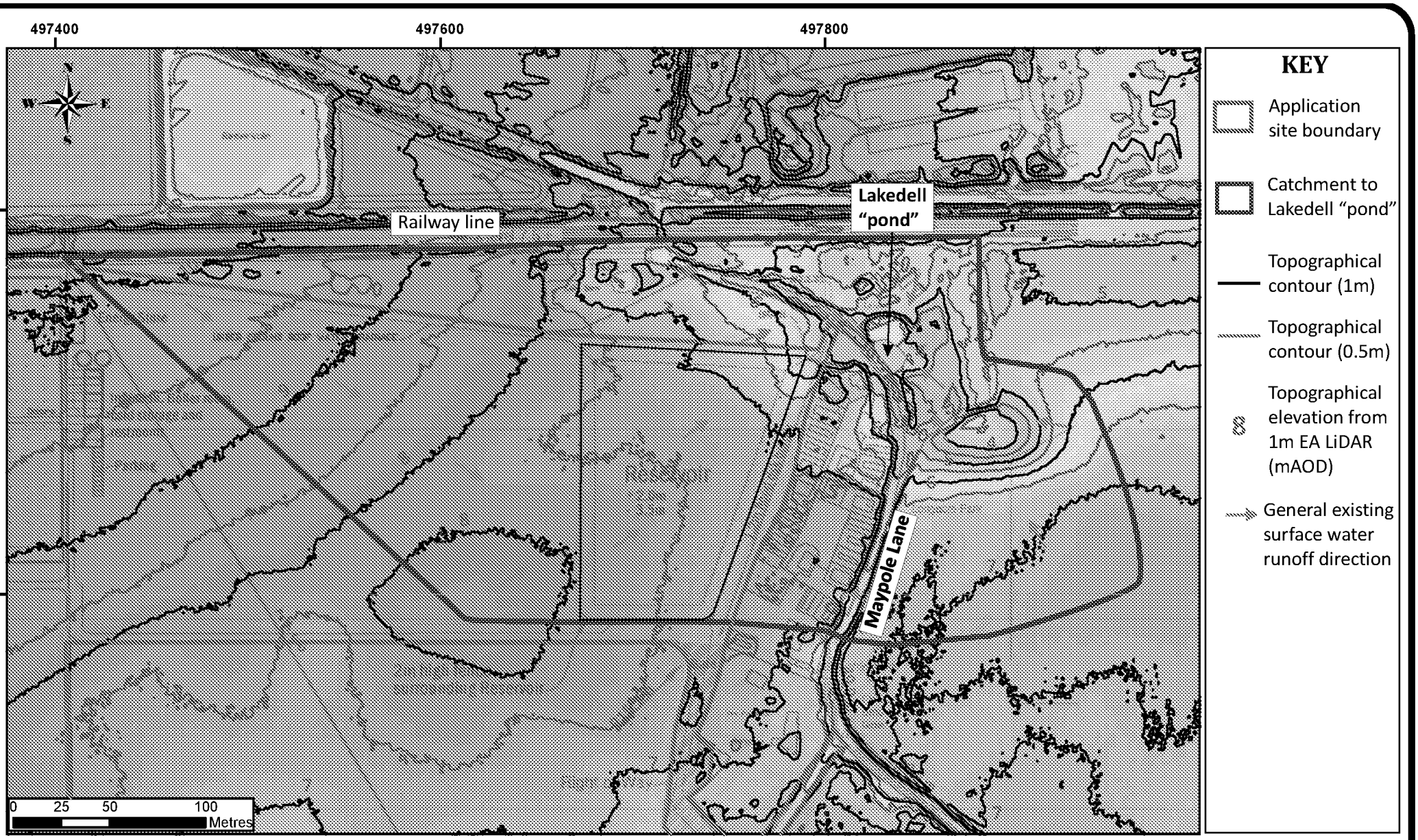
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Ref: P:\EricW Longacre GH&Res (2449) Date: 23/11/2018	**Eric Wall Holdings Ltd**
Figure 3	3D Model Visual of Proposed Surface Water Drainage Scheme

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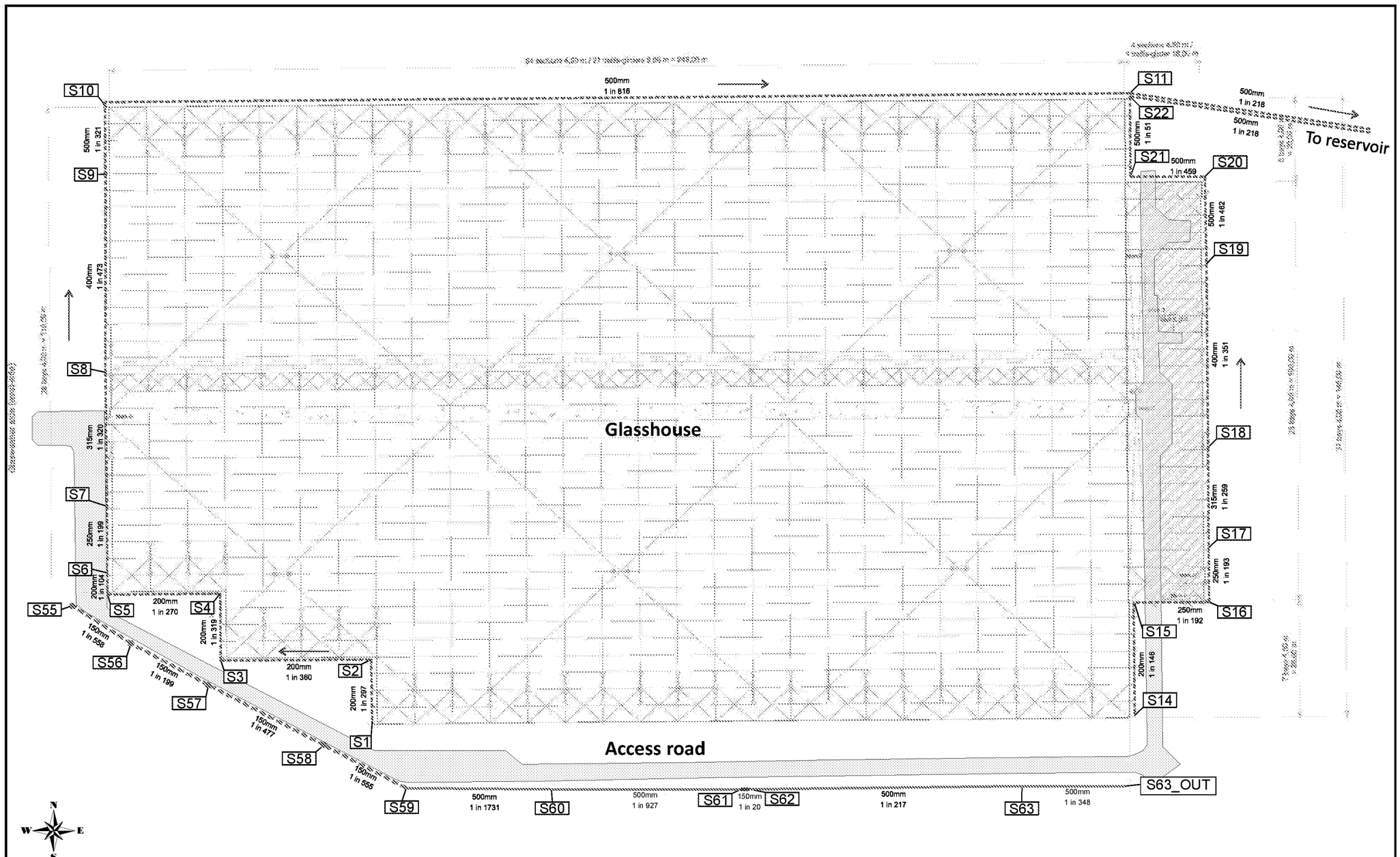


Ref: P:\EricW Longacre GH&Res (2449) Date: 23/11/2018	**Eric Wall Holdings Ltd**
Figure 4	Concept Reservoir Stormwater Discharge Arrangement



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Ref: 2449 EricW Longacre GH&Res\ Date: 23/11/2018	**Eric Wall Holdings Ltd**
Figure 5	Lakedell "Pond" Catchment



The background drawing is taken from the Ammerlaan Construction drawing Lay-out dated 28th November 2017

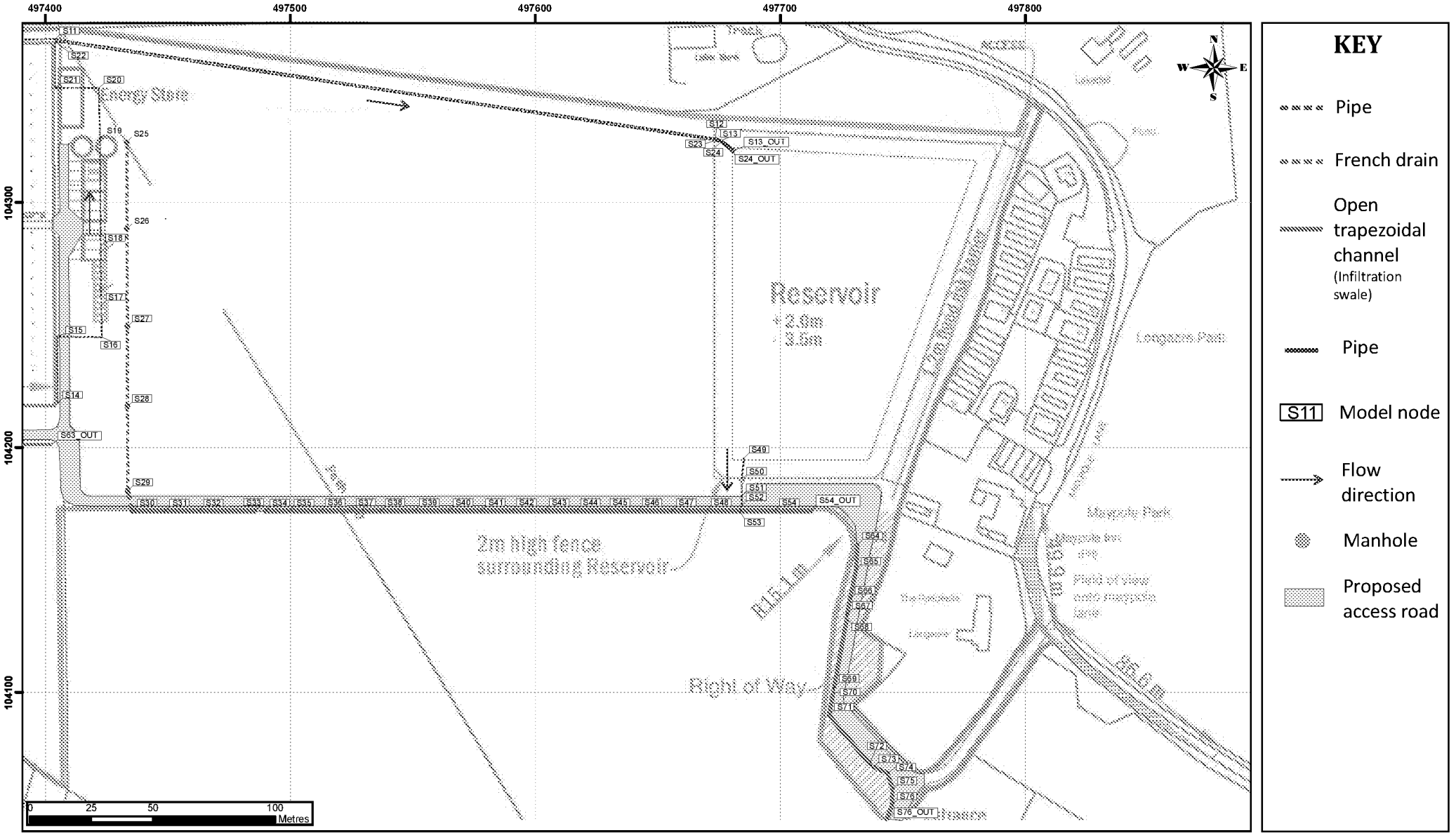
KEY

- Pipe
- French drain
- Open trapezoidal channel (Infiltration /storage swale)
- Pipe
- S11 Model node
- Flow direction
- Manhole
- Proposed access road

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Ref: 2449 EricW Longacre GH&Res\ FIG - Glasshouse Drainage Date: 26/11/2018	**Eric Wall Holdings Ltd**
Figure 6	Drainage Model Plan - West (Glasshouse and Access Road)

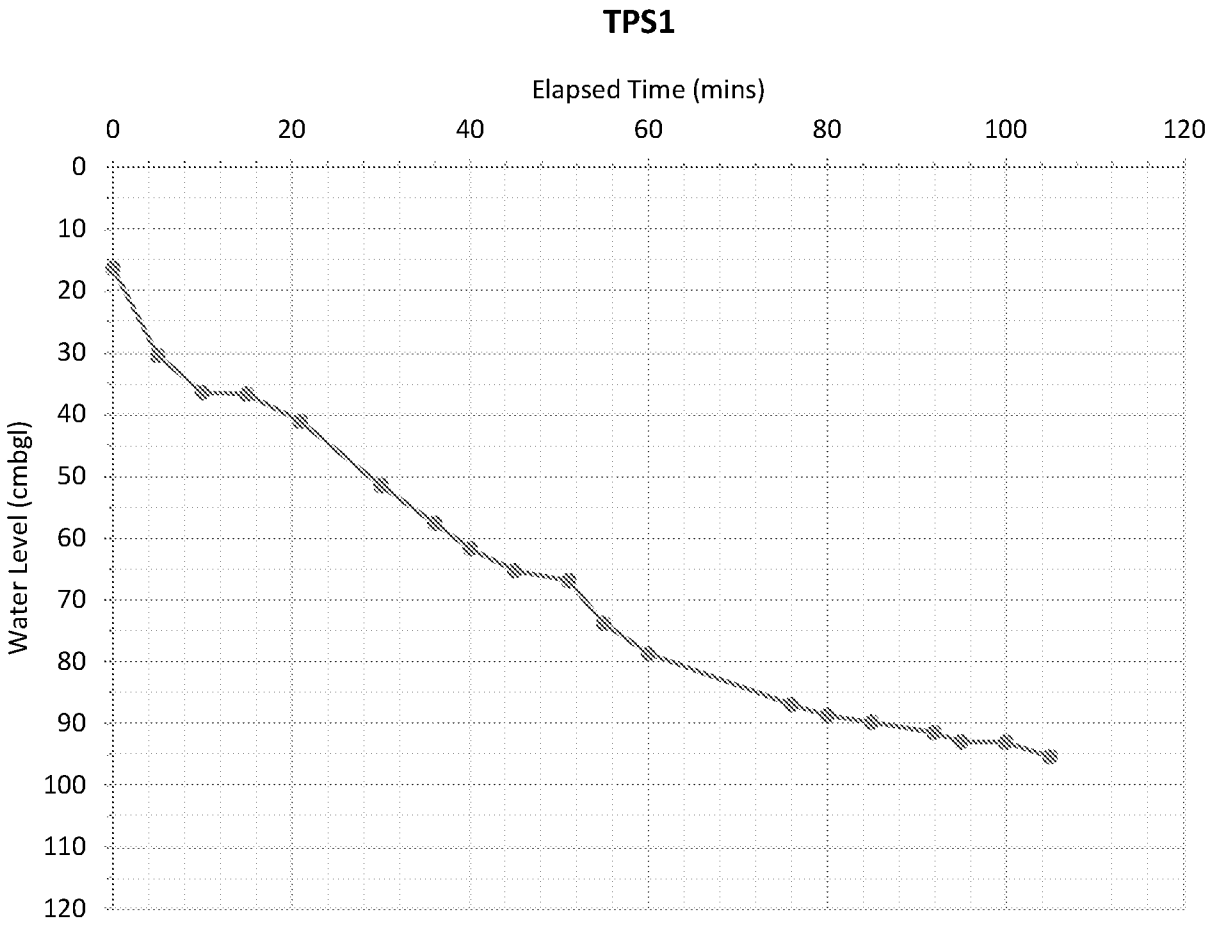
ARUN DISTRICT COUNCIL REGULATION



Ref: EricW Longacre GH&Res (2449) Date: 26/11/2018	**Eric Wall Holdings Ltd**
Figure 7	Drainage Model Plan - East (Reservoir and Access Road)

APPENDIX A
SOIL INFILTRATION TESTING RESULTS

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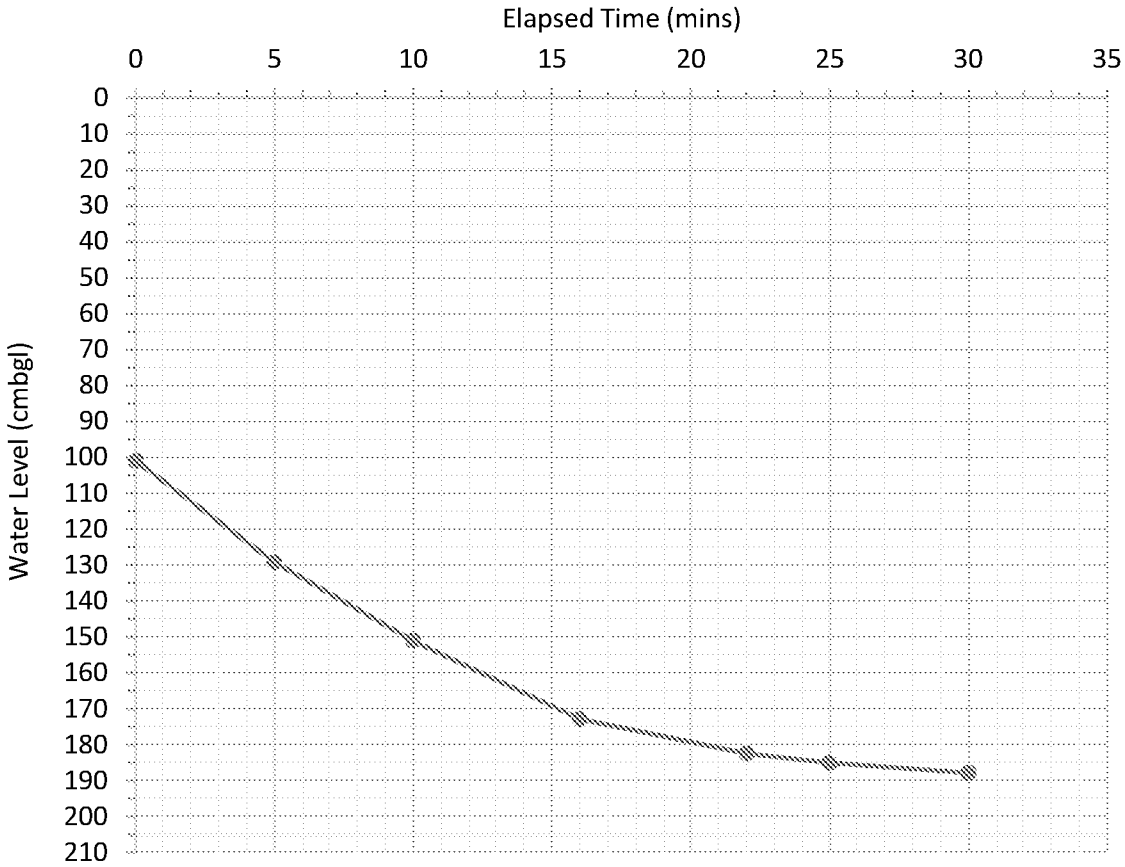
TPS1

Elapsed Time (mins)	Water level (cmbgl)
0	16
5	30
10	36
15	37
21	41
30	52
36	58
40	62
45	65
51	67
55	74
60	79
76	87
80	89
85	90
92	92
95	93
100	93
105	95

TPS1		
Width	0.6	m
Length	1.6	m
Depth	1.2	m
Volume	1.15	m3

Volume (75-25)	0.58	m3
Time (75-25)	4800	seconds
Wetted Area	3.60	m2
Infiltration rate	3.333E-05	m/s
Infiltration rate	0.120	m/hr

TPS2A



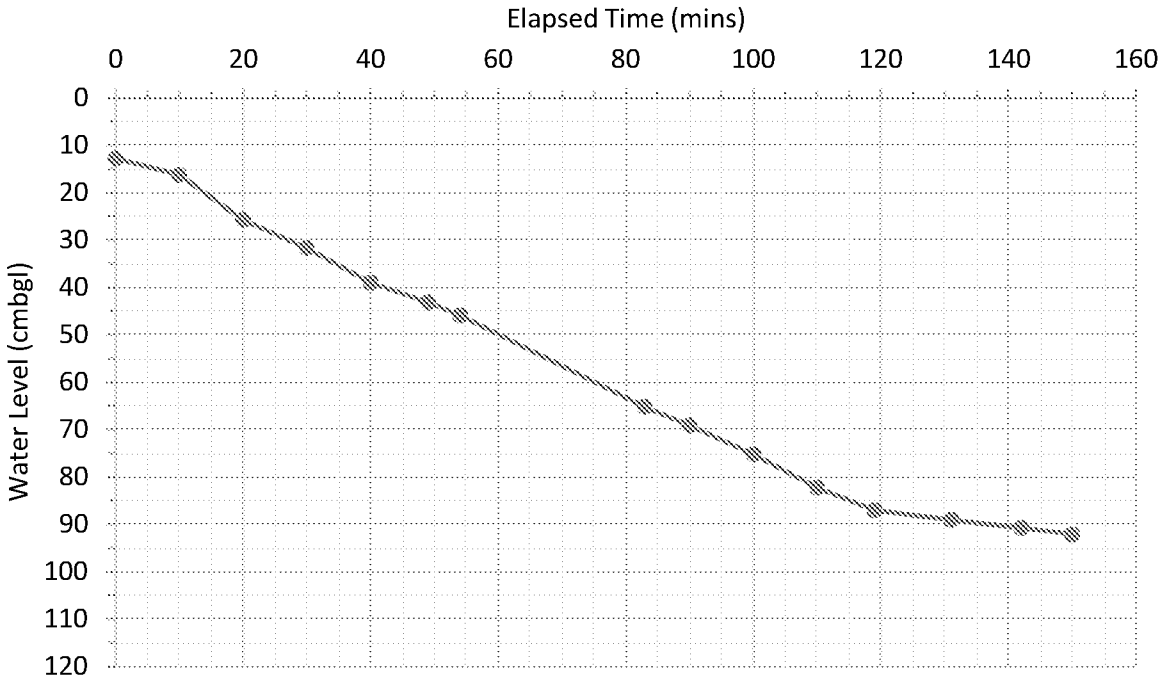
TPS2A

Elapsed Time (mins)	Water level (cmbgl)
0	101
5	129
10	151
16	173
22	182
25	185
30	188
35	189
38	190

TPS2A		
Width	0.6	m
Length	1.6	m
Depth	1.2	m
Volume	1.15	m3

Volume (75-25)	0.58	m3
Time (75-25)	1200	seconds
Wetted Area	3.12	m2
Infiltration rate	1.538E-04	m/s
Infiltration rate	0.554	m/hr

TPS3A



TPS3A

Elapsed Time (mins)	Water level (cmbgl)
0	13
10	16
20	26
30	32
40	39
49	43
54	46
83	65
90	69
100	75
110	82
119	87
131	89
142	91
150	92

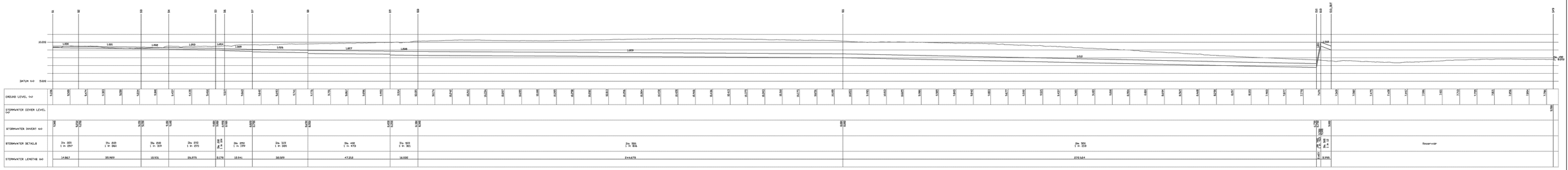
TPS3A	
Width	0.6
Length	1.9
Depth	1.2
Volume	1.37

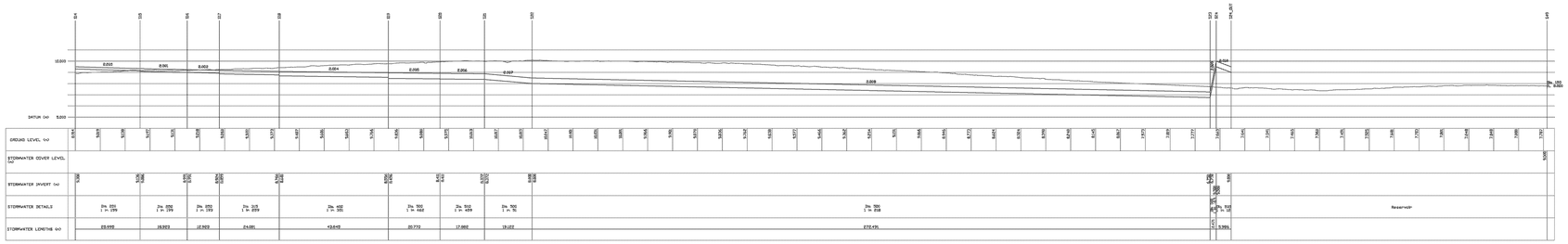
Volume (75-25)	0.68	m3
Time (75-25)	6480	seconds
Wetted Area	4.71	m2
Infiltration rate	**2.241E-05**	m/s
Infiltration rate	0.0807	m/hr

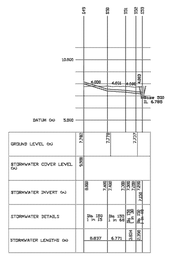
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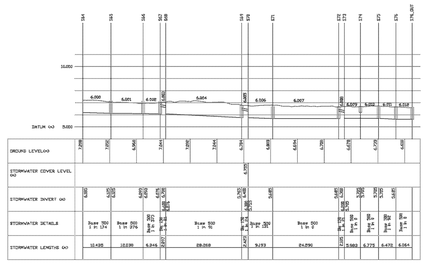
APPENDIX B
DRAINAGE DRAWINGS

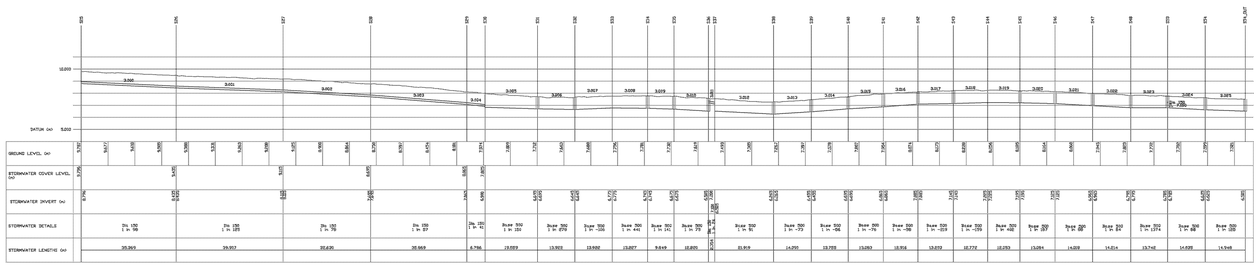
ARUN DISTRICT COUNCIL Y/92/18/DOC

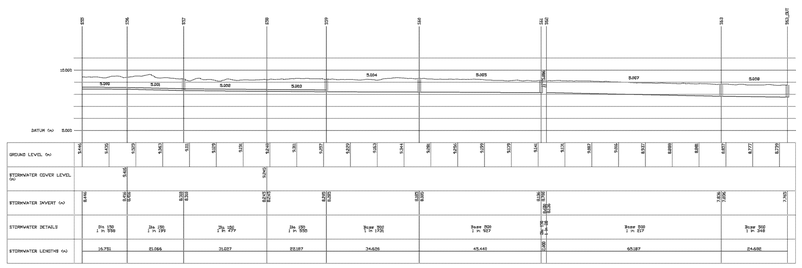












Scale at A0 1:200, 1:800

INFORMATION IN THIS DRAWING IS NOT NECESSARILY TO SCALE.
ALWAYS USE FIGURED DIMENSIONS.
IF IN DOUBT ASK.

envireau WATER

Ref: P:\ EricW Longacre GH&Res (2449)
Date: 26/11/2018

Eric Wall Holdings Ltd

Appendix B

Surface Water Drainage Long Sections

ARUN DISTRICT COUNCIL Y18/1/ADOC

APPENDIX C
SURFACE WATER DRAINAGE MODEL OUTPUTS

ARUN DISTRICT COUNCIL Y/92/18/DOC

Drainage Design Report

Flow+

v7.0

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Network	Storm Network
Filename	P:\EricW Longacre GH&Res (2449)\70 - Flow+\Glasshouse and Reservoir (Option B Pumped).pfd
Username	Lee Clarke (leeclarke@enviroauwater.co.uk)
Last analysed	23/11/2018 15:05:27
Report produced on	23/11/2018 16:33:02

Causeway Sales
Tel:
Fax:
Email:
Web:

[redacted]

Technical support web portal:

http://support.causeway.com

Rainfall Methodology	FEH-13
Return Period (years)	100
Additional Flow (%)	0
CV	0.750
Time of Entry (mins)	5.00
Maximum Time of Concentration (mins)	30.00
Maximum Rainfall (mm/hr)	50.0
Minimum Velocity (m/s)	1.00
Connection Type	Level Soffits
Minimum Backdrop Height (m)	0.000
Preferred Cover Depth (m)	0.000
Enforce best practice design rules	x

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Name	Area (ha)	T of E (mins)	Add Inflow (l/s)	Cover Level (m)	Node Type	Manhole Type	Diameter (mm)	Width (mm)	Easting (m)	Northing (m)	Depth (m)	Notes
1		5.00		9.800	Junction				497222.782	104216.561	0.500	
2				9.800	Junction				497222.603	104231.427	0.550	
3				9.800	Junction				497186.615	104231.155	0.650	
4				9.800	Junction				497186.515	104247.097	0.700	
5				9.800	Junction				497159.546	104246.897	0.800	
6	0.371	5.00		9.800	Junction				497159.455	104262.074	0.900	
7	0.214	5.00		9.800	Junction				497159.378	104268.015	1.050	
8	0.429	5.00		9.800	Junction				497159.058	104300.022	1.250	
9	0.705	5.00		9.800	Junction				497159.362	104347.333	1.450	
10	0.133	5.00		9.800	Junction				497159.239	104363.365	1.500	
11				9.800	Junction				497403.894	104366.700	1.800	
12				7.750	Junction				497673.500	104326.244	1.000	
13				10.000	Junction				497675.850	104325.488	0.500	
13_CUT				10.000	Junction				497681.500	104323.500	2.467	
14		5.00		9.800	Junction				497405.062	104218.027	0.500	
15	0.283	5.00		9.800	Junction				497404.000	104244.000	0.714	
16				9.800	Junction				497422.890	104245.110	0.809	
17	0.146	5.00		9.800	Junction				497422.749	104258.032	0.941	
18	0.352	5.00		9.800	Junction				497422.579	104282.112	1.119	
19	0.606	5.00		9.800	Junction				497422.182	104325.955	1.344	
20				9.800	Junction				497421.878	104346.723	1.369	
21				9.800	Junction				497403.994	104346.755	1.428	
22	0.391	5.00		9.800	Junction				497403.874	104365.877	1.800	
23				7.750	Junction				497673.358	104325.506	1.000	
24				10.000	Junction				497675.694	104324.700	0.500	
24_CUT				10.000	Junction				497681.300	104322.600	2.467	
25	0.032	5.00		9.796	Manhole	Adoptable			497427.475	104324.523	1.000	
26	0.032	5.00		9.435	Manhole	Adoptable			497427.189	104289.155	1.000	
27	0.032	5.00		9.115	Manhole	Adoptable			497427.260	104249.248	1.000	
28	0.032	5.00		8.695	Manhole	Adoptable			497427.404	104216.618	1.000	
29	0.032	5.00		8.065	Manhole	Adoptable			497427.475	104180.749	1.000	
30	0.006	5.00		7.825	Manhole	Adoptable			497429.000	104174.136	1.000	
31	0.006	5.00		7.695	Junction				497448.559	104174.026	1.000	
32	0.006	5.00		7.645	Junction				497462.481	104174.026	1.000	
33	0.006	5.00		7.775	Junction				497476.403	104174.027	1.000	
34	0.006	5.00		7.745	Junction				497489.630	104174.027	1.000	
35	0.006	5.00		7.675	Junction				497499.479	104174.027	1.000	

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36	0.006	5.00	7.555	Junction				497512.299	104174.028	1.050
37	0.006	5.00	7.505	Junction				497514.653	104174.012	1.000
38	0.006	5.00	7.265	Junction				497536.572	104174.028	1.000
39	0.006	5.00	7.455	Junction				497550.882	104174.029	1.000
40	0.006	5.00	7.695	Junction				497564.417	104174.029	1.000
41	0.006	5.00	7.885	Junction				497577.500	104174.029	1.000
42	0.006	5.00	8.085	Junction				497590.418	104174.030	1.000
43	0.006	5.00	8.145	Junction				497603.619	104174.030	1.000
44	0.006	5.00	8.225	Junction				497616.391	104174.030	1.000
45	0.006	5.00	8.195	Junction				497628.444	104174.031	1.000
46	0.006	5.00	8.125	Junction				497641.528	104174.031	1.000
47	0.006	5.00	7.965	Junction				497655.548	104174.031	1.000
48	0.006	5.00	7.795	Junction				497669.780	104174.032	1.000
49	1.060	5.00	9.500	Manhole	Adoptable			497685.237	104195.709	1.500
50			7.815	Junction				497684.238	104186.929	0.415
51			7.765	Junction				497684.116	104180.159	0.465
52			7.735	Junction				497684.176	104176.325	0.535
53	0.006	5.00	7.785	Junction				497683.502	104174.032	1.000
54	0.006	5.00	7.625	Junction				497697.537	104174.033	1.000
54_OUT	0.006		7.505	Junction				497712.485	104174.033	1.000
55	0.017	5.00	9.446	Junction				497151.021	104244.200	1.000
56	0.017	5.00	9.416	Manhole	Adoptable			497165.156	104235.214	1.000
57	0.017	5.00	9.310	Junction				497183.729	104225.289	1.000
58	0.017	5.00	9.245	Manhole	Adoptable			497211.288	104211.012	1.000
59	0.017	5.00	9.205	Junction				497230.935	104200.708	1.000
60	0.017	5.00	9.185	Junction				497265.560	104200.468	1.000
61	0.017	5.00	9.136	Junction				497311.000	104200.468	1.000
62	0.017	5.00	9.136	Junction				497313.000	104200.468	1.000
63	0.017	5.00	8.836	Junction				497378.183	104201.187	1.000
63_OUT	0.017		8.785	Junction				497402.865	104201.200	1.000
64	0.008	5.00	7.185	Junction				497729.470	104160.543	1.000
65	0.008	5.00	7.125	Junction				497728.891	104150.124	1.000
66	0.008	5.00	7.105	Junction				497726.399	104138.347	1.012
67	0.008	5.00	7.105	Junction				497725.321	104132.093	1.029
68	0.008	5.00	7.105	Junction				497725.000	104130.021	1.029
69	0.008	5.00	6.765	Junction				497719.992	104102.290	1.000
70	0.008	5.00	6.755	Junction				497719.578	104099.813	1.000
71	0.008	5.00	6.885	Junction				497719.907	104090.625	1.000
72	0.008	5.00	6.885	Junction				497734.465	104070.809	1.000
73	0.008	5.00	6.705	Junction				497736.141	104069.536	1.000

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	74	0.008	5.00		6.705	Junction			497741.575	104067.032	1.000
	75	0.008	5.00		6.705	Junction			497743.732	104060.610	1.000
	76	0.008	5.00		6.685	Junction			497743.588	104054.140	1.050
	76_OUT	0.008			6.635	Junction			497741.528	104048.437	1.000

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Name	US Node	DS Node	Length (m)	ks (mm) / n	Velocity Equation	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	Link Type	T of C (mins)	Rain (mm/hr)	Con Offset (m)	Min DS IL (m)	Lateral Area (ha)	Lateral Ins Point (%)	Lateral T of E (mins)
1.000	1	2	14.667	0.600	Colebrook-White	9.300	9.250	0.050	287.3	200	Circular	5.36	50.0					
1.001	2	3	35.484	0.600	Colebrook-White	9.250	9.150	0.100	354.8	200	Circular	5.30	50.0					
1.002	3	4	15.931	0.600	Colebrook-White	9.150	9.100	0.050	318.6	200	Circular	5.70	50.0					
1.003	4	5	20.470	0.600	Colebrook-White	9.100	9.000	0.100	204.7	200	Circular	7.01	50.0					
1.004	5	6	5.175	0.600	Colebrook-White	9.000	8.950	0.050	103.5	200	Circular	7.33	50.0					
1.005	6	7	18.643	0.600	Colebrook-White	8.900	8.820	0.080	186.4	250	Circular	7.85	50.0					
1.006	7	8	52.606	0.600	Colebrook-White	8.750	8.650	0.100	329.1	315	Circular	8.26	50.0					
1.007	8	9	47.318	0.600	Colebrook-White	8.550	8.450	0.100	473.2	400	Circular	8.15	50.0					
1.008	9	10	15.038	0.600	Colebrook-White	8.350	8.300	0.050	300.8	500	Circular	8.35	50.0					
1.009	10	11	284.679	0.600	Colebrook-White	8.300	8.000	0.300	948.9	500	Circular	16.87	50.0					
1.010	11	12	272.128	0.600	Colebrook-White	8.000	6.750	1.250	217.7	500	Circular	17.96	50.0					
1.011	12	13	2.666	0.600	Colebrook-White	6.750	9.500	-2.750	-0.9	500	Circular	17.96	50.0					
1.012	13	13_OUT	6.600	0.600	Colebrook-White	9.500	9.000	0.500	13.2	500	Circular	17.96	50.0					
2.000	14	15	36.636	0.600	Colebrook-White	9.300	9.176	0.124	136.5	200	Circular	5.45	50.0					
2.001	15	16	18.923	0.600	Colebrook-White	9.050	8.991	0.059	136.5	250	Circular	5.75	50.0					
2.002	16	17	12.923	0.600	Colebrook-White	8.941	8.824	0.057	132.5	250	Circular	5.96	50.0					
2.003	17	18	54.184	0.600	Colebrook-White	8.638	8.758	0.080	250.1	315	Circular	6.36	50.0					
2.004	18	19	43.845	0.600	Colebrook-White	8.641	8.506	0.135	350.5	400	Circular	7.13	50.0					
2.005	19	20	30.776	0.600	Colebrook-White	8.476	8.411	0.065	461.6	500	Circular	7.46	50.0					
2.006	20	21	17.882	0.600	Colebrook-White	8.411	8.372	0.039	458.5	500	Circular	7.75	50.0					
2.007	21	22	18.122	0.600	Colebrook-White	8.372	8.000	0.372	48.7	500	Circular	7.96	50.0					
2.008	22	23	272.128	0.600	Colebrook-White	8.000	6.750	1.250	217.7	500	Circular	16.96	50.0					
2.009	23	24	2.471	0.600	Colebrook-White	6.750	9.500	-2.750	-0.9	500	Circular	17.96	50.0					
2.010	24	24_OUT	6.600	0.600	Colebrook-White	9.500	9.000	0.500	13.2	500	Circular	17.96	50.0					
3.000	25	26	25.398	0.600	Colebrook-White	9.798	9.483	0.315	80.6	150	Circular	5.58	50.0					
3.001	26	27	39.903	0.600	Colebrook-White	9.433	9.115	0.318	125.5	150	Circular	5.92	50.0					
3.002	27	28	32.830	0.600	Colebrook-White	9.115	7.995	0.420	77.7	150	Circular	6.06	50.0					
3.003	28	29	35.898	0.600	Colebrook-White	7.895	7.085	0.810	58.5	150	Circular	7.22	50.0					
3.004	29	30	6.750	0.600	Colebrook-White	7.065	6.900	0.165	41.1	150	Circular	7.32	50.0					
3.005	30	31	19.598	0.030	Manning	6.825	6.693	0.132	148.5	500	Trapezoidal 1:1	7.52	50.0					
3.006	31	32	15.025	0.030	Manning	6.695	6.645	0.050	278.4	500	Trapezoidal 1:1	7.73	50.0					
3.007	32	33	15.025	0.030	Manning	6.645	6.775	-0.130	-107.1	500	Trapezoidal 1:1	7.95	50.0					
3.008	33	34	15.025	0.030	Manning	6.775	6.745	0.030	440.8	500	Trapezoidal 1:1	8.15	50.0					
3.009	34	35	9.845	0.030	Manning	6.745	6.675	0.070	140.7	500	Trapezoidal 1:1	8.28	50.0					
3.010	35	36	13.850	0.030	Manning	6.675	6.505	0.170	75.4	500	Trapezoidal 1:1	8.38	50.0					
3.011	36	37	5.814	0.030	Manning	7.200	7.100	0.100	28.5	150	Circular	8.48	50.0					
3.012	37	38	21.918	0.030	Manning	6.505	6.261	0.244	91.2	500	Trapezoidal 1:1	8.66	50.0					
3.013	38	39	14.690	0.030	Manning	6.265	6.456	-0.190	-74.2	500	Trapezoidal 1:1	8.85	50.0					
3.014	39	40	13.758	0.030	Manning	6.455	6.695	-0.240	-57.0	500	Trapezoidal 1:1	9.02	50.0					
3.015	40	41	13.938	0.030	Manning	6.695	6.885	-0.190	-77.0	500	Trapezoidal 1:1	9.23	50.0					
3.016	41	42	13.918	0.030	Manning	6.885	7.085	-0.200	-68.1	500	Trapezoidal 1:1	9.51	50.0					
3.017	42	43	13.958	0.030	Manning	7.085	7.145	-0.060	-226.0	500	Trapezoidal 1:1	9.78	50.0					
3.018	43	44	13.778	0.030	Manning	7.145	7.225	-0.080	-159.8	500	Trapezoidal 1:1	9.96	50.0					
3.019	44	45	13.658	0.030	Manning	7.225	7.195	0.030	401.8	500	Trapezoidal 1:1	10.15	50.0					
3.020	45	46	13.638	0.030	Manning	7.195	7.125	0.070	186.8	500	Trapezoidal 1:1	10.30	50.0					
3.021	46	47	14.018	0.030	Manning	7.125	6.965	0.160	87.8	500	Trapezoidal 1:1	10.45	50.0					
3.022	47	48	14.218	0.030	Manning	6.965	6.795	0.170	83.8	500	Trapezoidal 1:1	10.62	50.0					

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S.001	48	S3	11.742	0.600	Manning	6.795	6.785	0.010	1174.2	500:Trapezoidal 1:1	10.85	50.0				
S.001	49	S0	2.025	0.600	Colebrook-White	8.000	7.400	0.600	3.4	150:Circular	5.09	50.0				
S.001	50	S1	5.771	0.600	Colebrook-White	7.400	7.300	0.100	57.7	150:Circular	5.15	50.0				
S.002	51	S2	3.536	0.600	Colebrook-White	7.300	7.200	0.100	35.4	150:Circular	5.15	50.0				
S.003	52	S3	4.780	0.600	Colebrook-White	7.200	7.150	0.050	47.8	150:Circular	5.21	50.0				
S.003	53	S4	14.635	0.600	Manning	6.785	6.625	0.160	87.7	500:Trapezoidal 1:1	11.07	50.0				
S.003	54	S4_OUT	14.645	0.600	Manning	6.625	6.505	0.120	122.1	500:Trapezoidal 1:1	11.21	50.0				
S.005	55	S5	10.751	0.600	Colebrook-White	8.445	8.418	0.030	358.2	150:Circular	5.87	50.0				
S.001	56	S7	21.085	0.600	Colebrook-White	8.418	8.310	0.108	195.2	150:Circular	5.15	50.0				
S.002	57	S8	31.927	0.600	Colebrook-White	8.310	8.245	0.065	477.9	150:Circular	7.39	50.0				
S.003	58	S9	23.187	0.600	Colebrook-White	8.245	8.205	0.040	564.7	150:Circular	5.15	50.0				
S.004	59	S0	34.625	0.600	Manning	8.205	8.185	0.020	1731.3	500:Trapezoidal 1:1	5.41	50.0				
S.005	60	S1	45.849	0.600	Manning	8.185	8.138	0.048	927.1	500:Trapezoidal 1:1	10.36	50.0				
S.006	61	S2	2.009	0.600	Manning	8.700	8.600	0.100	20.1	150:Circular	10.83	50.0				
S.007	62	S3	58.187	0.600	Manning	8.138	7.828	0.309	217.3	500:Trapezoidal 1:1	11.44	50.0				
S.008	63	S3_OUT	34.682	0.600	Manning	7.828	7.765	0.063	547.9	500:Trapezoidal 1:1	11.86	50.0				
S.009	64	S5	10.435	0.600	Manning	8.150	8.125	0.025	173.9	500:Trapezoidal 1:1	5.15	50.0				
S.001	65	S6	12.696	0.600	Manning	8.100	8.063	0.038	225.5	500:Trapezoidal 1:1	5.35	50.0				
S.002	66	S7	8.046	0.600	Manning	8.050	8.078	0.072	223.5	500:Trapezoidal 1:1	5.43	50.0				
S.003	67	S8	2.009	0.600	Manning	8.700	8.600	0.100	20.1	150:Circular	5.45	50.0				
S.004	68	S9	28.268	0.600	Manning	8.078	5.765	0.313	90.3	500:Trapezoidal 1:1	5.69	50.0				
S.006	69	S0	2.422	0.600	Manning	6.400	6.300	0.100	24.2	150:Circular	5.72	50.0				
S.006	70	S1	8.193	0.600	Manning	5.755	5.685	0.070	117.1	500:Trapezoidal 1:1	5.93	50.0				
S.007	71	S2	34.636	0.600	Manning	5.685	5.685	0.000	0.0	500:Trapezoidal 1:1	5.93	50.0				
S.008	72	S3	2.155	0.600	Manning	6.300	6.200	0.100	21.6	150:Circular	5.29	50.0				
S.008	73	S4	5.983	0.600	Manning	5.705	5.705	0.000	0.0	500:Trapezoidal 1:1	5.98	50.0				
S.010	74	S5	5.775	0.600	Manning	5.705	5.705	0.000	0.0	500:Trapezoidal 1:1	5.98	50.0				
S.011	75	S6	5.472	0.600	Manning	5.705	5.635	0.070	92.1	500:Trapezoidal 1:1	5.98	50.0				
S.012	76	S6_OUT	6.004	0.600	Manning	5.635	5.635	0.000	0.0	500:Trapezoidal 1:1	5.98	50.0				

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Link Name	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)	US Node Name	Dia (mm)	Width (mm)	Node Type	MH Type	DS Node Name	Dia (mm)	Width (mm)	Node Type	MH Type
1.000	14.897	297.9	200	Circular	9.800	9.300	0.300	9.800	9.250	0.350	1			Junction		2			Junction	
1.001	36.988	369.8	200	Circular	9.800	9.250	0.350	9.800	9.150	0.450	2			Junction		3			Junction	
1.002	19.921	398.4	200	Circular	9.800	9.150	0.450	9.800	9.100	0.500	3			Junction		4			Junction	
1.003	28.976	289.8	200	Circular	9.800	9.100	0.500	9.800	9.000	0.600	4			Junction		5			Junction	
1.004	8.178	163.6	200	Circular	9.800	9.000	0.600	9.800	8.950	0.650	5			Junction		6			Junction	
1.005	18.944	189.4	250	Circular	9.800	8.900	0.650	9.800	8.826	0.724	6			Junction		7			Junction	
1.006	32.508	260.1	315	Circular	9.800	8.750	0.735	9.800	8.650	0.835	7			Junction		8			Junction	
1.007	47.512	475.1	400	Circular	9.800	8.550	0.850	9.800	8.450	0.950	8			Junction		9			Junction	
1.008	16.672	120.6	500	Circular	9.800	8.350	0.950	9.800	8.300	1.000	9			Junction		10			Junction	
1.009	244.678	815.6	500	Circular	9.800	8.300	1.000	9.800	8.000	1.300	10			Junction		11			Junction	
1.010	272.624	218.1	500	Circular	9.800	8.000	1.300	7.750	6.750	0.500	11			Junction		12			Junction	
1.011	3.480	-9.9	500	Circular	7.750	6.750	0.500	10.000	9.500	0.000	12			Junction		13			Junction	
1.012	5.350	13.0	500	Circular	10.000	9.500	0.000	10.000	9.000	0.500	13			Junction		13_OUT			Junction	
2.000	25.946	118.5	200	Circular	9.800	9.300	0.300	9.800	9.139	0.461	14			Junction		15			Junction	
2.001	18.927	189.2	250	Circular	9.800	9.084	0.484	9.800	8.991	0.559	15			Junction		18			Junction	
2.002	12.923	193.8	250	Circular	9.800	8.991	0.559	9.800	8.924	0.628	16			Junction		17			Junction	
2.003	24.871	355.3	315	Circular	9.800	8.972	0.828	9.800	8.786	0.719	17			Junction		16			Junction	
2.004	42.845	535.6	400	Circular	9.800	8.956	0.718	9.800	8.806	0.844	18			Junction		19			Junction	
2.005	29.779	451.2	500	Circular	9.800	8.956	0.844	9.800	8.811	0.889	19			Junction		20			Junction	
2.006	17.882	496.8	500	Circular	9.800	8.911	0.889	9.800	8.772	0.928	20			Junction		21			Junction	
2.007	10.130	81.4	500	Circular	9.800	8.372	0.928	9.800	8.000	1.300	21			Junction		22			Junction	
2.008	272.624	218.0	500	Circular	9.800	8.000	1.300	7.750	6.750	0.500	22			Junction		23			Junction	
2.009	2.471	-9.8	500	Circular	7.750	6.750	0.500	10.000	9.500	0.000	23			Junction		24			Junction	
2.010	5.580	13.9	500	Circular	10.000	9.500	0.000	10.000	9.000	0.500	24			Junction		24_OUT			Junction	
3.000	35.350	35.0	150	Circular	9.798	8.798	0.850	9.435	8.435	0.850	25			Manhole	Adoptable	26			Manhole	Adoptable
3.001	18.907	126.1	150	Circular	9.435	8.435	0.850	9.115	8.115	0.850	26			Manhole	Adoptable	27			Manhole	Adoptable
3.002	32.539	77.5	150	Circular	9.115	8.115	0.850	8.696	7.696	0.850	27			Manhole	Adoptable	28			Manhole	Adoptable
3.003	31.589	95.8	150	Circular	8.696	7.696	0.850	8.086	7.086	0.850	28			Manhole	Adoptable	29			Manhole	Adoptable
3.004	6.756	41.1	150	Circular	8.086	7.086	0.850	7.825	6.900	0.775	29			Manhole	Adoptable	30			Manhole	Adoptable
3.005	10.530	105.3	500	Trapezoidal 1:1	7.825	6.825	0.000	7.695	6.695	0.000	30			Manhole	Adoptable	31			Junction	
3.006	13.922	278.4	500	Trapezoidal 1:1	7.695	6.695	0.000	7.645	6.645	0.000	31			Junction		32			Junction	
3.007	13.922	-107.1	500	Trapezoidal 1:1	7.645	6.645	0.000	7.775	6.775	0.000	32			Junction		33			Junction	
3.008	13.922	348.0	500	Trapezoidal 1:1	7.775	6.775	0.000	7.745	6.745	0.000	33			Junction		34			Junction	
3.009	8.843	140.2	500	Trapezoidal 1:1	7.745	6.745	0.000	7.675	6.675	0.000	34			Junction		35			Junction	
3.010	12.920	79.4	500	Trapezoidal 1:1	7.675	6.675	0.000	7.595	6.595	0.000	35			Junction		36			Junction	
3.011	2.158	43.2	150	Circular	7.555	7.205	0.200	7.505	7.160	0.245	36			Junction		37			Junction	
3.012	21.310	81.1	500	Trapezoidal 1:1	7.505	6.505	0.000	7.285	6.285	0.000	37			Junction		38			Junction	
3.013	14.040	-78.0	500	Trapezoidal 1:1	7.285	6.285	0.000	7.455	6.455	0.000	38			Junction		39			Junction	
3.014	13.750	-57.3	500	Trapezoidal 1:1	7.455	6.455	0.000	7.695	6.695	0.000	39			Junction		40			Junction	
3.015	13.083	-77.9	500	Trapezoidal 1:1	7.695	6.695	0.000	7.865	6.865	0.000	40			Junction		41			Junction	
3.016	13.916	69.7	500	Trapezoidal 1:1	7.865	6.865	0.000	8.085	7.085	0.000	41			Junction		42			Junction	
3.017	13.209	-220.0	500	Trapezoidal 1:1	8.085	7.085	0.000	8.145	7.145	0.000	42			Junction		43			Junction	
3.018	12.772	456.0	500	Trapezoidal 1:1	8.145	7.145	0.000	8.225	7.225	0.000	43			Junction		44			Junction	
3.019	12.765	49.1	500	Trapezoidal 1:1	8.225	7.225	0.000	8.195	7.195	0.000	44			Junction		45			Junction	
3.020	13.096	196.5	500	Trapezoidal 1:1	8.195	7.195	0.000	8.125	7.125	0.000	45			Junction		46			Junction	
3.021	14.018	87.8	500	Trapezoidal 1:1	8.125	7.125	0.000	7.985	6.985	0.000	46			Junction		47			Junction	
3.022	13.213	93.0	500	Trapezoidal 1:1	7.985	6.985	0.000	7.795	6.795	0.000	47			Junction		48			Junction	
3.023	13.748	1374.8	500	Trapezoidal 1:1	7.795	6.795	0.000	7.785	6.785	0.000	48			Junction		53			Junction	
3.000	3.822	14.7	150	Circular	9.500	8.000	1.150	7.815	7.400	0.265	49			Manhole	Adoptable	50			Junction	
3.001	8.771	87.7	150	Circular	7.815	7.400	0.265	7.785	7.300	0.335	50			Junction		51			Junction	

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5.003	2.854	78.8	150	Circular	7.785	7.300	0.335	7.735	7.200	0.385	51			Junction		52		Junction	
5.003	2.799	87.5	150	Circular	7.773	7.200	0.185	7.788	7.150	0.485	52			Junction		53		Junction	
5.004	14.078	87.7	500	Trapezoidal 1:1	7.785	6.785	0.000	7.625	6.625	0.000	53			Junction		54		Junction	
5.005	14.948	124.8	500	Trapezoidal 1:1	7.625	6.625	0.000	7.505	6.505	0.000	54			Junction		54_OUT		Junction	
5.006	10.783	598.4	150	Circular	9.446	8.446	0.850	9.416	8.416	0.850	55			Junction		56		Manhole	Adoptable
5.001	21.065	168.7	150	Circular	9.416	8.416	0.850	9.310	8.310	0.850	56			Manhole	Adoptable	57		Junction	
5.002	31.025	477.3	150	Circular	9.310	8.310	0.850	9.245	8.245	0.850	57			Junction		58		Manhole	Adoptable
5.002	22.153	554.7	150	Circular	9.245	8.245	0.850	9.205	8.205	0.850	58			Manhole	Adoptable	59		Junction	
5.004	74.828	1711.3	500	Trapezoidal 1:1	9.205	8.205	0.000	9.185	8.185	0.000	59			Junction		60		Junction	
5.005	46.445	811.7	500	Trapezoidal 1:1	9.185	8.185	0.000	9.136	8.136	0.000	60			Junction		61		Junction	
5.008	2.009	20.1	150	Circular	9.136	8.700	0.286	9.136	8.600	0.386	61			Junction		62		Junction	
5.007	58.157	317.3	500	Trapezoidal 1:1	9.136	8.136	0.000	8.836	7.836	0.000	62			Junction		63		Junction	
5.009	24.692	342.8	500	Trapezoidal 1:1	8.836	7.836	0.000	8.785	7.785	0.000	63			Junction		63_OUT		Junction	
5.000	19.430	173.9	500	Trapezoidal 1:1	7.185	6.185	0.000	7.125	6.125	0.000	64			Junction		65		Junction	
5.001	13.629	276.3	500	Trapezoidal 1:1	7.125	6.125	0.000	7.105	6.093	0.012	65			Junction		66		Junction	
5.002	8.348	371.3	500	Trapezoidal 1:1	7.105	6.093	0.012	7.105	6.076	0.029	66			Junction		67		Junction	
5.003	2.093	25.0	150	Circular	7.105	6.700	0.255	7.105	6.600	0.355	67			Junction		68		Junction	
5.004	28.280	90.8	500	Trapezoidal 1:1	7.105	6.076	0.029	6.785	5.785	0.000	68			Junction		69		Junction	
5.005	2.402	24.0	150	Circular	6.785	6.400	0.215	6.755	6.300	0.305	69			Junction		70		Junction	
5.006	6.755	131.5	500	Trapezoidal 1:1	6.755	5.755	0.000	6.685	5.685	0.000	70			Junction		71		Junction	
5.007	24.540	0.0	500	Trapezoidal 1:1	6.685	5.685	0.000	6.635	5.685	0.000	71			Junction		72		Junction	
5.008	2.100	14.0	150	Circular	6.685	6.300	0.235	6.705	6.200	0.355	72			Junction		73		Junction	
5.009	5.581	0.0	500	Trapezoidal 1:1	6.705	5.705	0.000	6.705	5.705	0.000	73			Junction		74		Junction	
5.010	6.778	0.0	500	Trapezoidal 1:1	6.705	5.705	0.000	6.705	5.705	0.000	74			Junction		75		Junction	
5.011	6.472	92.5	500	Trapezoidal 1:1	6.705	5.705	0.000	6.685	5.635	0.050	75			Junction		76		Junction	
5.012	5.768	0.0	500	Trapezoidal 1:1	6.685	5.635	0.050	6.635	5.635	0.000	76			Junction		76_OUT		Junction	

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Node Name	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Width (mm)	Node Type	MH Type		Link ID	IL (m)	Dia (mm)	Link Type
1	497222.762	104216.561	9.800	0.500			Junction						
									0	1.000	9.300	200	Circular
2	497222.603	104231.427	9.800	0.550			Junction		1	1.000	9.250	200	Circular
									0	1.001	9.250	200	Circular
3	497186.515	104231.166	9.800	0.650			Junction		1	1.001	9.150	200	Circular
									0	1.002	9.150	200	Circular
4	497186.515	104247.097	9.800	0.700			Junction		1	1.002	9.100	200	Circular
									0	1.003	9.100	200	Circular
5	497159.546	104246.597	9.800	0.800			Junction		1	1.003	9.000	200	Circular
									0	1.004	9.000	200	Circular
6	497159.455	104252.974	9.800	0.900			Junction		1	1.004	8.950	200	Circular
									0	1.005	8.900	250	Circular
7	497159.378	104268.015	9.800	1.050			Junction		1	1.005	8.820	250	Circular
									0	1.006	8.750	315	Circular
8	497159.058	104300.022	9.800	1.250			Junction		1	1.006	8.650	315	Circular
									0	1.007	8.550	400	Circular
9	497159.362	104347.333	9.800	1.450			Junction		1	1.007	8.450	400	Circular
									0	1.008	8.350	500	Circular
10	497159.239	104363.365	9.800	1.500			Junction		1	1.008	8.300	500	Circular

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									0	1.009	8.300	500 Circular
11	497403.894	104366.700	9.800	1.800			Junction	1	1.009	8.000	500 Circular
									0	1.010	8.000	500 Circular
12	497673.500	104326.244	7.750	1.000			Junction	1	1.010	6.750	500 Circular
									0	1.011	6.750	500 Circular
13	497675.650	104325.488	10.000	0.500			Junction	1	1.011	9.500	500 Circular
									0	1.012	9.500	500 Circular
13_OUT	497681.500	104323.500	10.000	2.467			Junction	1	1.012	9.000	500 Circular
14	497405.062	104218.027	9.800	0.500			Junction					
									0	2.000	9.300	200 Circular
15	497404.000	104244.000	9.800	0.714			Junction	1	2.000	9.136	200 Circular
									0	2.001	9.086	250 Circular
16	497422.690	104245.110	9.800	0.809			Junction	1	2.001	8.991	250 Circular
									0	2.002	8.991	250 Circular
17	497422.749	104258.032	9.800	0.941			Junction	1	2.002	8.924	250 Circular
									0	2.003	8.859	315 Circular
18	497422.579	104282.112	9.800	1.119			Junction	1	2.003	8.766	315 Circular
									0	2.004	8.681	400 Circular
19	497422.182	104325.955	9.800	1.344			Junction	1	2.004	8.556	400 Circular

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									0	2.005	8.456	500	Circular
20	497421.876	104346.723	9.800	1.389			Junction		1	2.005	8.411	500	Circular
									0	2.005	8.411	500	Circular
21	497403.994	104346.755	9.800	1.428			Junction		1	2.006	8.372	500	Circular
									0	2.007	8.372	500	Circular
22	497403.874	104365.877	9.800	1.800			Junction		1	2.007	8.000	500	Circular
									0	2.008	8.000	500	Circular
23	497673.358	104325.506	7.750	1.000			Junction		1	2.008	6.750	500	Circular
									0	2.009	6.750	500	Circular
24	497675.694	104324.700	10.000	0.500			Junction		1	2.009	9.500	500	Circular
									0	2.010	9.500	500	Circular
24_OUT	497681.300	104322.600	10.000	2.467			Junction		1	2.010	9.000	500	Circular
25	497427.476	104324.523	9.798	1.000			Manhole	Adoptable					
									0	3.000	8.798	150	Circular
26	497427.169	104289.155	9.435	1.000			Manhole	Adoptable	1	3.000	8.435	150	Circular
									0	3.001	8.435	150	Circular
27	497427.260	104249.248	9.115	1.000			Manhole	Adoptable	1	3.001	8.115	150	Circular
									0	3.002	8.115	150	Circular
28	497427.404	104216.618	8.695	1.000			Manhole	Adoptable	1	3.002	7.695	150	Circular

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										0	3.003	7.685	150 Circular
29	497427.476	104180.749	8.085	1.000			Manhole	Adoptable	1	3.003	7.085	150 Circular
										0	3.004	7.085	150 Circular
30	497429.000	104174.136	7.825	1.000			Manhole	Adoptable	1	3.004	6.900	150 Circular
										0	3.005	6.825	500 Trapezoidal 1:1
31	497448.559	104174.026	7.695	1.000			Junction		1	3.005	6.695	500 Trapezoidal 1:1
										0	3.006	6.695	500 Trapezoidal 1:1
32	497462.481	104174.026	7.645	1.000			Junction		1	3.006	6.645	500 Trapezoidal 1:1
										0	3.007	6.645	500 Trapezoidal 1:1
33	497476.403	104174.027	7.775	1.000			Junction		1	3.007	6.775	500 Trapezoidal 1:1
										0	3.008	6.775	500 Trapezoidal 1:1
34	497489.630	104174.027	7.745	1.000			Junction		1	3.008	6.745	500 Trapezoidal 1:1
										0	3.009	6.745	500 Trapezoidal 1:1
35	497499.479	104174.027	7.675	1.000			Junction		1	3.009	6.675	500 Trapezoidal 1:1
										0	3.010	6.675	500 Trapezoidal 1:1
36	497512.299	104174.028	7.555	1.050			Junction		1	3.010	6.505	500 Trapezoidal 1:1
										0	3.011	7.200	150 Circular
37	497514.653	104174.012	7.505	1.000			Junction		1	3.011	7.100	150 Circular
										0	3.012	6.505	500 Trapezoidal 1:1
38	497536.572	104174.028	7.285	1.000			Junction		1	3.012	6.285	500 Trapezoidal 1:1

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									0	3.013	6.265	500 Trapezoidal 1:1
39	497550.562	104174.029	7.455	1.000			Junction	1	3.013	6.455	500 Trapezoidal 1:1
									0	3.014	6.455	500 Trapezoidal 1:1
40	497564.417	104174.029	7.695	1.000			Junction	1	3.014	6.695	500 Trapezoidal 1:1
									0	3.015	6.695	500 Trapezoidal 1:1
41	497577.500	104174.029	7.865	1.000			Junction	1	3.015	6.865	500 Trapezoidal 1:1
									0	3.016	6.865	500 Trapezoidal 1:1
42	497590.416	104174.030	8.085	1.000			Junction	1	3.016	7.085	500 Trapezoidal 1:1
									0	3.017	7.085	500 Trapezoidal 1:1
43	497603.519	104174.030	8.145	1.000			Junction	1	3.017	7.145	500 Trapezoidal 1:1
									0	3.018	7.145	500 Trapezoidal 1:1
44	497616.391	104174.030	8.225	1.000			Junction	1	3.018	7.225	500 Trapezoidal 1:1
									0	3.019	7.225	500 Trapezoidal 1:1
45	497628.444	104174.031	8.195	1.000			Junction	1	3.019	7.195	500 Trapezoidal 1:1
									0	3.020	7.195	500 Trapezoidal 1:1
46	497641.528	104174.031	8.125	1.000			Junction	1	3.020	7.125	500 Trapezoidal 1:1
									0	3.021	7.125	500 Trapezoidal 1:1
47	497655.546	104174.031	7.965	1.000			Junction	1	3.021	6.965	500 Trapezoidal 1:1
									0	3.022	6.965	500 Trapezoidal 1:1
48	497669.760	104174.032	7.795	1.000			Junction	1	3.022	6.795	500 Trapezoidal 1:1

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									0	3.023	6.795	500	Trapezoidal 1:1
S3	497685.237	104195.709	9.500	1.500			Manhole	Adoptable					
									0	4.000	8.000	150	Circular
S0	497684.236	104186.929	7.815	0.415			Junction		1	4.000	7.400	150	Circular
									0	4.001	7.400	150	Circular
S1	497684.116	104180.159	7.785	0.485			Junction		1	4.001	7.300	150	Circular
									0	4.002	7.300	150	Circular
S2	497684.176	104176.325	7.735	0.535			Junction		1	4.002	7.200	150	Circular
									0	4.003	7.200	150	Circular
S3	497683.502	104174.032	7.785	1.000			Junction		1	4.003	7.150	150	Circular
									2	3.022	6.785	500	Trapezoidal 1:1
									0	3.024	6.785	500	Trapezoidal 1:1
S4	497697.537	104174.033	7.625	1.000			Junction		1	3.024	6.625	500	Trapezoidal 1:1
									0	3.025	6.625	500	Trapezoidal 1:1
S4_OUT	497712.485	104174.033	7.505	1.000			Junction		1	3.025	6.505	500	Trapezoidal 1:1
S5	497151.021	104244.200	9.446	1.000			Junction						
									0	5.000	8.446	150	Circular
S6	497165.158	104235.214	9.416	1.000			Manhole	Adoptable	1	5.000	8.416	150	Circular
									0	5.001	8.416	150	Circular
S7	497183.729	104225.269	9.310	1.000			Junction		1	5.001	8.310	150	Circular

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										0	5.002	8.310	150 Circular
S8	497211.286	104211.012	9.245	1.000			Manhole	Adoptable	1	5.002	8.245	150 Circular
										0	5.003	8.245	150 Circular
S9	497230.935	104200.708	9.205	1.000			Junction		1	5.003	8.205	150 Circular
										0	5.004	8.205	500 Trapezoidal 1:1
S0	497285.560	104200.468	9.185	1.000			Junction		1	5.004	8.185	500 Trapezoidal 1:1
										0	5.005	8.185	500 Trapezoidal 1:1
S1	497311.000	104200.468	9.136	1.000			Junction		1	5.005	8.136	500 Trapezoidal 1:1
										0	5.006	8.700	150 Circular
S2	497313.000	104200.468	9.136	1.000			Junction		1	5.006	8.600	150 Circular
										0	5.007	8.136	500 Trapezoidal 1:1
S3	497378.183	104201.187	8.836	1.000			Junction		1	5.007	7.836	500 Trapezoidal 1:1
										0	5.008	7.836	500 Trapezoidal 1:1
S3_OUT	497402.665	104201.200	8.765	1.000			Junction		1	5.008	7.765	500 Trapezoidal 1:1
S4	497729.470	104160.543	7.185	1.000			Junction					
										0	5.000	6.185	500 Trapezoidal 1:1
S5	497728.891	104150.124	7.125	1.000			Junction		1	5.000	6.125	500 Trapezoidal 1:1
										0	5.001	6.125	500 Trapezoidal 1:1
S6	497726.399	104138.347	7.105	1.012			Junction		1	5.001	6.093	500 Trapezoidal 1:1

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									0	8.002	8.083	500 Trapezoidal 1:1
67	497725.321	104132.093	7.105	1.029			Junction	1	8.002	8.075	500 Trapezoidal 1:1
									0	8.003	6.700	150 Circular
68	497725.000	104130.021	7.105	1.029			Junction	1	8.003	6.600	150 Circular
									0	8.004	8.076	500 Trapezoidal 1:1
69	497719.992	104102.200	8.765	1.000			Junction	1	8.004	5.765	500 Trapezoidal 1:1
									0	8.005	6.400	150 Circular
70	497719.578	104099.513	8.755	1.000			Junction	1	8.005	6.300	150 Circular
									0	8.006	5.755	500 Trapezoidal 1:1
71	497719.907	104090.526	8.685	1.000			Junction	1	8.006	5.685	500 Trapezoidal 1:1
									0	8.007	5.685	500 Trapezoidal 1:1
72	497734.465	104070.609	8.685	1.000			Junction	1	8.007	5.685	500 Trapezoidal 1:1
									0	8.008	6.300	150 Circular
73	497736.141	104069.536	8.705	1.000			Junction	1	8.008	6.200	150 Circular
									0	8.009	5.705	500 Trapezoidal 1:1
74	497741.575	104067.032	8.705	1.000			Junction	1	8.009	5.705	500 Trapezoidal 1:1
									0	8.010	5.705	500 Trapezoidal 1:1
75	497743.732	104060.610	8.705	1.000			Junction	1	8.010	5.705	500 Trapezoidal 1:1
									0	8.011	5.705	500 Trapezoidal 1:1
76	497743.588	104054.140	8.685	1.050			Junction	1	8.011	5.635	500 Trapezoidal 1:1

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									0	6.012	5.635	500	Trapezoidal 1:1
78_OUT	497741.528	104048.437	6.635	1.000			Junction		1	6.012	5.635	500	Trapezoidal 1:1

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Rainfall Methodology	FEH-13		Return Period (years)	Climate Change (%)
Summer CV	0.750		2	0
Winter CV	0.840		30	0
Analysis Speed	Detailed		100	30
Drain Down Time (mins)	240		1000	0
Additional Storage (m³/ha)	20.0			
Storm Durations (mins)	15			
	30			
	60			
	120			
	180			
	240			
	360			
	480			
	600			
	720			
	960			
	1440			
	2160			
	2880			
	4320			
	5760			
	7200			
	8640			
	10080			
Check Discharge Rate(s)				
1 year (l/s)	7.8			
30 year (l/s)	21.4			
100 year (l/s)	27.6			
Check Discharge Volume				
100 year 360 minute (m³)				

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Site Makeup	Greenfield
Greenfield Method	ReFH2
Region	England, Wales, NI
Include Baseflow	
Positively Drained Area (ha)	3.632
Betterment (%)	0
Q 1 year (l/s)	7.8
Q 30 year (l/s)	21.4
Q 100 year (l/s)	27.6

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Site Makeup	Greenfield
Greenfield Method	FSR/FEH
Positively Drained Area (ha)	3.832
Soil Index	1
SPR	0.10
CWI	
Return Period (years)	100
Climate Change (%)	0
Storm Duration (mins)	360
Betterment (%)	0
PR	
Runoff Volume (m3)	

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Orifice										
Node	Flap Valve	Online / Offline	Downstream Link	Replaces Downstream Link	Loop to Node	Invert Level (m)	Design Depth (m)	Design Flow (l/s)	Diameter (m)	Discharge Coefficient
49	x	Online				8.000	0.500	2.5	0.041	0.600

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Link Infiltration

Node	Base Inf Coefficient (m/hr)	Side Inf Coefficient (m/hr)	Safety Factor	Porosity	Invert Level (m)	Time to half empty (mins)	Link
S4_OUT	0.11988	0.11988	2.0	1.00	6.505		3.025
S4	0.11988	0.11988	2.0	1.00	6.625		3.024
S3	0.11988	0.11988	2.0	1.00	6.785	0	3.023
S8	0.11988	0.11988	2.0	1.00	6.795	0	3.022
S7	0.11988	0.11988	2.0	1.00	6.965	0	3.021
S6	0.11988	0.11988	2.0	1.00	7.125	0	3.020
S5	0.11988	0.11988	2.0	1.00	7.195	0	3.019
S3	0.11988	0.11988	2.0	1.00	7.145	0	3.018
S2	0.11988	0.11988	2.0	1.00	7.085	0	3.017
S1	0.11988	0.11988	2.0	1.00	6.885	0	3.016
S0	0.11988	0.11988	2.0	1.00	6.695	0	3.015
S9	0.55440	0.55440	2.0	1.00	6.455	0	3.014
S8	0.55440	0.55440	2.0	1.00	6.255	0	3.013
S8	0.55440	0.55440	2.0	1.00	6.265	28	3.012
S6	0.55440	0.55440	2.0	1.00	6.505	88	3.010
S5	0.55440	0.55440	2.0	1.00	6.675	44	3.009
S4	0.55440	0.55440	2.0	1.00	6.745	30	3.008
S2	0.55440	0.55440	2.0	1.00	6.845	30	3.007
S2	0.55440	0.55440	2.0	1.00	6.845	50	3.006
S1	0.55440	0.55440	2.0	1.00	6.895	40	3.005
S3_OUT	0.08064	0.08064	2.0	1.00	7.765		5.006
S3	0.08064	0.08064	2.0	1.00	7.838	0	5.007
S0	0.08064	0.08064	2.0	1.00	8.185	74	5.004
S1	0.08064	0.08064	2.0	1.00	8.136	108	5.005
T6_OUT	0.08064	0.08064	2.0	1.00	5.635		6.012
T6	0.08064	0.08064	2.0	1.00	5.635		6.011
T5	0.08064	0.08064	2.0	1.00	5.705		6.010
T4	0.08064	0.08064	2.0	1.00	5.705		6.009
T2	0.08064	0.08064	2.0	1.00	5.685	24	6.007
T1	0.08064	0.08064	2.0	1.00	5.685	20	6.006
T9	0.08064	0.08064	2.0	1.00	5.785	36	6.004
T7	0.08064	0.08064	2.0	1.00	6.076	184	6.002
T6	0.08064	0.08064	2.0	1.00	6.093	176	6.001
T5	0.08064	0.08064	2.0	1.00	6.125	140	6.000

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Link Surround

Node	Base Inf Coefficient (m/hr)	Side Inf Coefficient (m/hr)	Safety Factor	Porosity	Invert Level (m)	Time to half empty (mins)	Link	Surround Shape	Diameter (mm)
S9	0.08064	0.08064	2.0	0.30	8.205		5.003	Filter Drain	1000
S8	0.08064	0.08064	2.0	0.30	8.245		5.002	Filter Drain	1000
S7	0.08064	0.08064	2.0	0.30	8.310	201	5.001	Filter Drain	1000
S6	0.08064	0.08064	2.0	0.30	8.416	144	5.000	Filter Drain	1000
29	0.55440	0.55440	2.0	1.00	7.065	37	3.003	(Trench)	1000
28	0.55440	0.55440	2.0	1.00	7.695	17	3.002	Filter Drain	1000
27	0.55440	0.55440	2.0	1.00	8.115	14	3.001	Filter Drain	1000
26	0.55440	0.55440	2.0	1.00	8.435	10	3.000	Filter Drain	1000

Flow through Pond

Node	Base Inf Coefficient (m/hr)	Side Inf Coefficient (m/hr)	Safety Factor	Porosity	Invert Level (m)	Time to half empty (mins)	Main Channel Length (m)	Main Channel Slope (1:X)	Main Channel n	Inlets	Depth (m)	Area (m²)	Inf. Area (m²)
49	0.00001	0.00000	2.0	1.00	7.500	0	100.000	3000.0	0.001	13_OUT	0.000	8800.0	0.0
										24_OUT	2.000	10626.0	0.0

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Results for 2 year Critical Storm Duration. Lowest mass balance: 81.46%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	1	74	9.800	0.500	5.3	0.0000	0.0000	FLOOD RISK	1.000	2	-5.3	-0.170	-0.242	0.4653	
120 minute winter	2	74	9.800	0.550	13.4	0.0000	0.0000	FLOOD RISK	1.001	3	-13.4	-0.429	-0.675	1.1264	
120 minute winter	3	76	9.800	0.650	17.7	0.0000	0.0000	FLOOD RISK	1.002	4	-17.7	-0.566	-0.835	0.4986	
120 minute winter	4	78	9.800	0.700	20.4	0.0000	0.0000	FLOOD RISK	1.003	5	-20.4	-0.651	-0.885	0.8441	
120 minute winter	5	78	9.800	0.800	22.8	0.0000	0.0000	FLOOD RISK	1.004	6	-22.8	-0.625	-0.610	0.1621	
120 minute winter	6	76	9.800	0.900	57.6	7.5268	0.0000	FLOOD RISK	1.005	7	-36.6	0.960	-0.796	0.7796	
120 minute winter	7	76	9.800	1.050	45.5	4.3050	0.0000	FLOOD RISK	1.006	8	-34.6	0.955	-0.492	2.4923	
120 minute winter	8	76	9.796	1.246	81.1	8.5529	0.0000	FLOOD RISK	1.007	9	55.5	0.998	0.513	5.9236	
120 minute winter	9	76	9.765	1.435	94.0	13.9498	0.0000	FLOOD RISK	1.008	10	92.3	0.868	0.389	3.1366	
240 minute summer	10	132	9.776	1.476	66.8	2.6165	0.0000	FLOOD RISK	1.009	11	69.0	0.724	0.487	47.8613	
180 minute winter	11	104	9.703	1.703	71.2	0.0000	0.0000	FLOOD RISK	1.010	12	70.7	0.659	0.246	53.3278	
15 minute summer	12	15	7.750	1.000	172.8	0.0000	0.0000	FLOOD RISK	1.011	13	0.0	0.000	0.000	0.2415	
120 minute winter	13	76	9.581	0.981	71.6	0.0000	0.0000	OK	1.012	13_OUT	71.6	3.525	0.658	0.1217	
10080 minute winter	13_OUT	9960	7.831	0.297	5.1	0.0000	0.0000	OK	Flow through pond	49	13.8	0.002	0.000	2774.0469	
60 minute winter	14	40	9.800	0.500	4.2	0.0000	0.0000	FLOOD RISK	2.000	15	-4.2	-0.189	-0.139	0.8136	
60 minute winter	15	40	9.800	0.714	51.1	5.8263	0.0000	FLOOD RISK	2.001	16	-33.9	0.989	-0.699	0.9264	
60 minute winter	16	41	9.800	0.809	61.5	0.0000	0.0000	FLOOD RISK	2.002	17	-41.1	0.994	-0.834	0.6320	
120 minute summer	17	68	9.800	0.941	29.6	3.0536	0.0000	FLOOD RISK	2.003	18	28.9	0.959	0.369	1.8750	
120 minute summer	18	68	9.800	1.119	53.8	7.3136	0.0000	FLOOD RISK	2.004	19	45.7	0.995	0.363	5.4896	
120 minute summer	19	68	9.800	1.344	84.9	12.4288	0.0000	FLOOD RISK	2.005	20	83.0	1.079	0.421	4.0628	
120 minute summer	20	70	9.800	1.389	83.0	0.0000	0.0000	FLOOD RISK	2.006	21	76.8	1.399	0.398	3.4979	
120 minute summer	21	70	9.800	1.425	76.8	0.0000	0.0000	FLOOD RISK	2.007	22	82.6	1.362	0.139	3.7404	
120 minute summer	22	70	9.793	1.793	167.9	7.7866	0.0000	FLOOD RISK	2.008	23	94.7	0.742	0.329	53.3617	
15 minute summer	23	12	7.750	1.000	221.1	0.0000	0.0000	FLOOD RISK	2.009	24	0.0	0.000	0.000	0.2417	
120 minute summer	24	70	9.592	0.092	94.7	0.0000	0.0000	OK	2.010	24_OUT	94.8	3.830	0.077	0.1481	
10080 minute winter	24_OUT	9960	7.831	0.297	5.0	0.0000	0.0000	OK	Flow through pond	49	13.8	0.002	0.000	2774.0469	
15 minute winter	25	10	8.848	0.052	4.8	0.0334	0.0000	OK	3.000	26	4.7	0.664	0.281	0.2582	
15 minute winter	26	11	8.513	0.078	9.5	0.3115	0.0000	OK	3.001	27	8.3	0.876	0.522	0.3774	
									Infiltration		0.7				
15 minute winter	27	12	8.197	0.082	12.8	0.4179	0.0000	OK	3.002	28	11.3	1.123	0.562	0.3292	
									Infiltration		0.9				
15 minute winter	28	12	7.781	0.086	15.5	0.5046	0.0000	OK	3.003	29	14.7	1.283	0.822	0.4696	
									Infiltration		0.6				
15 minute winter	29	12	7.155	0.100	18.7	0.3125	0.0000	OK	3.004	30	17.9	1.548	0.645	0.0785	
									Infiltration		0.6				
15 minute winter	30	12	6.901	0.075	18.6	0.0091	0.0000	OK	3.005	31	18.5	0.349	0.008	1.4786	
15 minute winter	31	15	6.862	0.167	19.2	0.0201	0.0000	OK	3.006	32	14.8	0.218	0.008	1.8531	
									Infiltration		1.2				

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15 minute winter	32	15	6.861	0.216	15.3	0.0259	0.0000	OK	3.007	33	11.9	0.124	0.008	1.4042
									Infiltration		1.0			
									Infiltration		1.1			
30 minute winter	33	27	6.859	0.084	11.6	0.0100	0.0000	OK	3.008	34	11.5	0.299	0.008	0.7836
30 minute winter	34	28	6.858	0.114	11.9	0.0136	0.0000	OK	3.009	35	10.3	0.342	0.004	0.9601
									Infiltration		0.6			
30 minute winter	35	27	6.858	0.183	10.8	0.0220	0.0000	OK	3.010	36	8.3	0.087	0.002	2.7393
									Infiltration		0.7			
30 minute winter	36	28	6.859	0.354	8.8	0.0403	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.2			
15 minute winter	37	11	6.515	0.010	0.9	0.0012	0.0000	OK	3.012	38	0.8	0.063	0.000	1.1892
30 minute winter	38	27	6.448	0.183	4.9	0.0220	0.0000	OK	3.013	39	-3.6	-0.101	-0.002	0.9316
									Infiltration		0.8			
									Infiltration		1.1			
15 minute winter	39	12	6.480	0.025	4.1	0.0030	0.0000	OK	3.014	40	-3.4	-0.288	-0.002	0.1626
									Infiltration		0.1			
15 minute winter	40	12	6.716	0.021	3.4	0.0025	0.0000	OK	3.015	41	-2.7	-0.256	-0.002	0.1365
									Infiltration		0.0			
15 minute winter	41	12	6.885	0.030	2.7	0.0023	0.0000	OK	3.016	42	-1.9	-0.229	-0.001	0.1148
									Infiltration		0.0			
15 minute winter	42	11	7.100	0.015	2.0	0.0018	0.0000	OK	3.017	43	-1.2	-0.144	-0.001	0.1129
									Infiltration		0.0			
15 minute winter	43	11	7.163	0.018	1.4	0.0022	0.0000	OK	3.018	44	-0.5	-0.075	0.000	0.0896
									Infiltration		0.0			
15 minute winter	44	11	7.234	0.009	0.9	0.0011	0.0000	OK	3.019	45	0.3	0.053	0.000	0.0732
15 minute winter	45	11	7.210	0.015	1.2	0.0018	0.0000	OK	3.020	46	1.1	0.138	0.000	0.1035
									Infiltration		0.0			
15 minute winter	46	11	7.141	0.018	1.9	0.0019	0.0000	OK	3.021	47	1.8	0.198	0.001	0.1275
									Infiltration		0.0			
15 minute winter	47	12	6.984	0.019	2.6	0.0023	0.0000	OK	3.022	48	2.5	0.148	0.001	0.2515
									Infiltration		0.0			
15 minute winter	48	13	6.841	0.046	3.3	0.0058	0.0000	OK	3.023	53	3.0	0.158	0.004	0.2601
									Infiltration		0.0			
10080 minute winter	49	10329	7.827	-0.173	18.3	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
15 minute summer	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
15 minute summer	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
15 minute summer	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
120 minute winter	53	114	6.820	0.035	1.5	0.0041	0.0000	OK	3.024	54	1.5	0.117	0.000	1.0778
									Infiltration		0.1			
120 minute winter	54	114	6.820	0.195	1.8	0.0233	0.0000	OK	3.025	54_OUT	0.7	0.037	0.000	2.9256
									Infiltration		0.2			
120 minute winter	54_OUT	114	6.820	0.315	1.0	0.0377	0.0000	OK	Infiltration		0.3			

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15 minute winter	55	10	8.507	0.061	2.6	0.0206	0.0000	OK	5.000	56	2.5	0.378	0.338	0.1131
15 minute winter	56	11	8.479	0.063	5.1	0.2359	0.0000	OK	5.001	57	4.6	0.492	0.367	0.2004
									Infiltration		0.2			
15 minute winter	57	12	8.409	0.099	7.0	0.2881	0.0000	OK	5.002	58	5.2	0.497	0.778	0.3957
									Infiltration		0.2			
15 minute winter	58	13	8.354	0.109	8.3	0.6629	0.0000	OK	5.003	59	6.6	0.585	0.916	0.2602
									Infiltration		0.4			
120 minute winter	59	92	8.341	0.138	3.8	0.7201	0.0000	OK	5.004	60	2.3	0.076	0.093	3.2568
									Infiltration		0.3			
120 minute winter	60	92	8.341	0.156	3.2	0.0529	0.0000	OK	5.005	61	0.9	0.042	0.001	5.5928
									Infiltration		0.4			
120 minute winter	61	92	8.341	0.205	1.7	0.0695	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.5			
15 minute winter	62	12	8.159	0.023	2.6	0.0076	0.0000	OK	5.007	63	2.1	0.144	0.091	1.5306
240 minute winter	63	184	7.979	0.143	1.2	0.0467	0.0000	OK	5.008	63_OUT	0.3	0.019	0.000	3.0282
									Infiltration		0.3			
240 minute winter	63_OUT	184	7.979	0.214	0.6	0.0726	0.0000	OK	Infiltration		0.3			
240 minute winter	64	215	6.302	0.117	0.3	0.0187	0.0000	OK	6.000	65	0.2	0.044	0.000	0.9992
240 minute winter	65	215	6.302	0.177	0.5	0.0283	0.0000	OK	6.001	66	0.2	0.059	0.000	1.6100
									Infiltration		0.1			
240 minute winter	66	215	6.302	0.209	0.4	0.0330	0.0000	OK	6.002	67	0.2	0.023	0.000	0.9891
									Infiltration		0.1			
240 minute winter	67	215	6.302	0.228	0.3	0.0350	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
15 minute winter	68	11	6.088	0.012	1.2	0.0019	0.0000	OK	6.004	69	1.1	0.074	0.000	0.9842
240 minute winter	69	216	5.976	0.211	0.6	0.0338	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
240 minute winter	70	184	5.810	0.055	0.3	0.0087	0.0000	OK	6.006	71	0.3	0.042	0.000	0.4975
240 minute winter	71	184	5.810	0.125	0.6	0.0200	0.0000	OK	6.007	72	0.2	0.011	0.000	1.9159
									Infiltration		0.1			
240 minute winter	72	184	5.810	0.125	0.5	0.0200	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
240 minute winter	73	215	5.929	0.224	0.3	0.0359	0.0000	OK	6.009	74	0.2	0.016	0.000	0.9726
240 minute winter	74	215	5.929	0.224	0.5	0.0359	0.0000	OK	6.010	75	0.2	0.043	0.000	1.1613
									Infiltration		0.1			
240 minute winter	75	215	5.929	0.224	0.4	0.0359	0.0000	OK	6.011	76	0.3	0.034	0.000	1.2828
									Infiltration		0.1			
240 minute winter	76	215	5.929	0.294	0.4	0.0447	0.0000	OK	6.012	76_OUT	0.1	-0.007	0.000	1.4182
									Infiltration		0.1			
240 minute winter	76_OUT	215	5.829	0.294	0.3	0.0471	0.0000	OK	Infiltration		0.1			

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Results for 30 year Critical Storm Duration. Lowest mass balance: 81.48%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	1	11	9.800	0.500	13.1	0.0000	0.0000	FLOOD RISK	1.000	2	-13.1	-0.420	-0.600	0.4653	
15 minute summer	2	11	9.800	0.550	24.0	0.0000	0.0000	FLOOD RISK	1.001	3	-24.0	-0.875	-1.205	1.1284	
15 minute summer	3	11	9.800	0.650	31.5	0.0000	0.0000	FLOOD RISK	1.002	4	-31.5	-1.007	-1.490	0.4988	
15 minute summer	4	11	9.800	0.700	39.4	0.0000	0.0000	FLOOD RISK	1.003	5	-39.4	-1.258	-1.712	0.8441	
15 minute summer	5	10	9.800	0.800	45.3	0.0000	0.0000	FLOOD RISK	1.004	6	-45.3	-1.448	-1.212	0.1621	
15 minute summer	6	10	9.800	0.900	129.9	15.4162	0.0000	FLOOD RISK	1.005	7	55.8	1.198	1.148	0.7795	
15 minute summer	7	10	9.800	1.050	103.5	8.0817	0.0000	FLOOD RISK	1.006	8	98.1	1.261	1.398	2.4923	
15 minute summer	8	10	9.800	1.250	234.7	14.5758	0.0000	FLOOD RISK	1.007	9	192.3	1.537	1.778	5.9230	
15 minute summer	9	11	9.800	1.450	425.8	21.8310	0.0000	FLOOD RISK	1.008	10	379.7	1.941	1.602	3.1360	
15 minute summer	10	12	9.800	1.500	424.1	4.0510	0.0000	FLOOD RISK	1.009	11	361.3	1.882	2.445	47.8613	
15 minute summer	11	13	9.800	1.800	361.3	0.0000	0.0000	FLOOD RISK	1.010	12	255.5	1.511	0.887	53.3278	
15 minute summer	12	12	7.750	1.000	255.5	0.0000	0.0000	FLOOD RISK	1.011	13	311.8	2.655	1.568	0.3211	
60 minute summer	13	37	9.734	0.234	372.8	0.0000	0.0000	OK	1.012	13_OUT	295.7	6.820	0.239	0.4356	
60 minute winter	13_OUT	38	8.114	0.581	320.8	0.0000	0.0000	OK	Flow through pond	48	972.2	0.187	0.000	1023.8654	
15 minute summer	14	11	9.800	0.500	16.2	0.0000	0.0000	FLOOD RISK	2.000	15	-16.2	-0.519	-0.539	0.8136	
15 minute summer	15	10	9.800	0.714	135.2	20.4733	0.0000	FLOOD RISK	2.001	16	57.3	1.220	1.182	0.9254	
15 minute summer	16	10	9.800	0.809	57.3	0.0000	0.0000	FLOOD RISK	2.002	17	61.4	1.256	1.247	0.6320	
15 minute summer	17	10	9.800	0.941	92.4	8.3719	0.0000	FLOOD RISK	2.003	18	83.8	1.121	1.072	1.8750	
15 minute summer	18	10	9.800	1.119	196.3	17.6262	0.0000	FLOOD RISK	2.004	19	175.2	1.400	1.392	5.4890	
15 minute summer	19	10	9.800	1.344	377.8	26.0575	0.0000	FLOOD RISK	2.005	20	364.1	1.891	1.846	4.0626	
15 minute summer	20	10	9.800	1.389	364.1	0.0000	0.0000	FLOOD RISK	2.006	21	361.2	3.307	1.825	3.4979	
15 minute summer	21	10	9.800	1.428	361.2	0.0000	0.0000	FLOOD RISK	2.007	22	284.9	2.129	0.478	3.7404	
15 minute summer	22	10	9.800	1.800	415.5	13.7470	0.0000	FLOOD RISK	2.008	23	306.1	1.555	1.083	53.3017	
15 minute summer	23	9	7.750	1.000	306.1	0.0000	0.0000	FLOOD RISK	2.009	24	422.7	2.572	2.153	0.3543	
15 minute winter	24	13	9.757	0.257	496.7	0.0000	0.0000	OK	2.010	24_OUT	399.3	7.084	0.323	0.4831	
60 minute winter	24_OUT	20	8.282	0.749	424.3	0.0000	0.0000	OK	Flow through pond	49	526.1	0.129	0.000	738.9588	
15 minute winter	25	10	8.884	0.088	11.8	0.0560	0.0000	OK	3.000	26	11.8	0.850	0.647	0.4958	
15 minute winter	26	12	8.611	0.176	23.4	1.4708	0.0000	SURCHARGED	3.001	27	16.6	0.968	1.047	0.7028	
									Infiltration		1.7				
15 minute winter	27	14	8.297	0.162	28.4	1.9848	0.0000	SURCHARGED	3.002	28	20.4	1.199	1.011	0.5744	
									Infiltration		2.2				
15 minute winter	28	13	7.913	0.218	32.2	1.8369	0.0000	SURCHARGED	3.003	29	22.8	1.354	0.958	0.6315	
									Infiltration		1.8				
15 minute winter	29	12	7.288	0.224	33.9	1.4598	0.0000	SURCHARGED	3.004	30	28.4	1.626	1.020	0.1183	
									Infiltration		1.5				
60 minute winter	30	49	7.086	0.251	27.0	0.0314	0.0000	OK	3.005	31	24.5	0.249	0.010	5.3605	
60 minute winter	31	49	7.086	0.391	25.7	0.0470	0.0000	OK	3.006	32	19.0	0.178	0.011	5.3240	
									Infiltration		2.1				
60 minute winter	32	48	7.087	0.442	29.2	0.0530	0.0000	OK	3.007	33	14.3	0.139	0.010	4.6551	

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								Infiltration		1.7					
								Infiltration		1.8					
60 minute winter	33	48	7.087	0.312	15.3	0.0374	0.0000 OK	3.008	34	13.7	0.294	0.010	3.5730		
60 minute winter	34	48	7.086	0.341	14.7	0.0410	0.0000 OK	3.009	35	10.1	0.304	0.004	3.2648		
								Infiltration		1.4					
60 minute winter	35	48	7.087	0.412	11.1	0.0494	0.0000 OK	3.010	36	6.3	0.071	0.002	6.4373		
								Infiltration		1.2					
60 minute winter	36	47	7.087	0.582	7.1	0.0663	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000		
								Infiltration		1.9					
60 minute winter	37	46	6.590	0.085	2.8	0.0162	0.0000 OK	3.012	38	-1.8	0.055	-0.001	3.4675		
60 minute winter	38	46	6.589	0.324	7.1	0.0389	0.0000 OK	3.013	39	-5.8	-0.096	-0.004	2.4780		
								Infiltration		1.2					
								Infiltration		1.8					
60 minute winter	39	44	6.589	0.134	6.8	0.0161	0.0000 OK	3.014	40	-5.4	-0.314	-0.004	0.6486		
								Infiltration		0.5					
15 minute winter	40	11	6.733	0.038	9.4	0.0045	0.0000 OK	3.015	41	-7.3	-0.371	-0.005	0.2579		
								Infiltration		0.0					
15 minute winter	41	11	6.901	0.036	7.4	0.0043	0.0000 OK	3.016	42	-5.3	-0.318	-0.004	0.2166		
								Infiltration		0.0					
15 minute winter	42	11	7.112	0.027	5.4	0.0033	0.0000 OK	3.017	43	-3.3	-0.210	-0.002	0.2094		
								Infiltration		0.1					
15 minute winter	43	11	7.178	0.033	3.5	0.0039	0.0000 OK	3.018	44	-1.3	-0.105	-0.001	0.1629		
								Infiltration		0.0					
15 minute winter	44	11	7.241	0.016	2.2	0.0019	0.0000 OK	3.019	45	0.8	0.075	0.001	0.1334		
15 minute winter	45	11	7.222	0.027	3.0	0.0032	0.0000 OK	3.020	46	2.9	0.198	0.001	0.1922		
								Infiltration		0.1					
15 minute winter	46	11	7.154	0.029	5.0	0.0035	0.0000 OK	3.021	47	4.9	0.285	0.002	0.2399		
								Infiltration		0.1					
15 minute winter	47	11	7.060	0.035	7.0	0.0042	0.0000 OK	3.022	48	6.8	0.218	0.002	0.4508		
								Infiltration		0.0					
120 minute winter	48	98	6.946	0.151	3.0	0.0181	0.0000 OK	3.023	53	2.7	0.145	0.003	1.4003		
								Infiltration		0.2					
10080 minute winter	49	10140	8.005	0.005	27.8	0.0829	0.0000 OK	Orifice	50	0.0					
								Infiltration		0.0					
10080 minute winter	50	10320	7.404	0.004	0.0	0.0000	0.0000 OK	4.001	51	0.0	0.216	0.001	0.0007		
10080 minute winter	51	10140	7.363	0.003	0.0	0.0000	0.0000 OK	4.002	52	0.0	0.227	0.001	0.0004		
10080 minute winter	52	10140	7.204	0.004	0.0	0.0000	0.0000 OK	4.003	53	0.0	0.282	0.001	0.0002		
120 minute winter	53	98	6.946	0.151	3.4	0.0193	0.0000 OK	3.024	54	3.0	0.133	0.001	2.5930		
								Infiltration		0.2					
120 minute winter	54	98	6.946	0.321	3.6	0.0385	0.0000 OK	3.025	54_OUT	1.3	0.037	0.001	5.0862		
								Infiltration		0.3					
120 minute winter	54_OUT	98	6.946	0.441	1.9	0.0529	0.0000 OK	Infiltration		0.4					
15 minute winter	55	13	8.618	0.170	6.3	0.0577	0.0000 [illegible]	5.000	56	5.9	0.456	0.795	0.2949		
15 minute winter	56	13	8.609	0.193	12.2	0.8708	0.0000 [illegible]	5.001	57	9.3	0.613	0.739	0.3709		

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									Infiltration		0.3					
15 minute winter	57	13	8.568	0.259	15.2	1.2784	0.0000	SURCHARGED	5.002	58	10.2	0.577	1.268	0.5462		
									Infiltration		0.3					
120 minute winter	58	112	8.499	0.254	6.8	1.9818	0.0000	SURCHARGED	5.003	59	5.0	0.386	0.668	0.3906		
									Infiltration		0.5					
120 minute winter	59	112	8.498	0.294	6.9	1.8028	0.0000	OK	5.004	60	4.1	0.085	0.006	8.4488		
									Infiltration		0.4					
120 minute winter	60	112	8.499	0.314	6.1	0.1066	0.0000	OK	5.005	61	1.3	0.055	0.001	12.8939		
									Infiltration		0.5					
120 minute winter	61	112	8.498	0.363	3.3	0.1233	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000		
									Infiltration		0.7					
15 minute winter	62	11	8.177	0.041	8.3	0.0139	0.0000	OK	5.007	63	5.5	0.171	0.003	4.2549		
120 minute winter	63	114	8.115	0.279	4.5	0.0950	0.0000	OK	5.008	63_OUT	0.6	0.030	0.000	8.3625		
									Infiltration		0.6					
120 minute winter	63_OUT	114	8.115	0.350	2.0	0.1181	0.0000	OK	Infiltration		0.4					
120 minute winter	64	116	6.444	0.259	1.0	0.0414	0.0000	OK	6.000	65	0.5	0.055	0.000	2.3885		
120 minute winter	65	116	6.444	0.319	1.5	0.0510	0.0000	OK	6.001	66	0.4	0.050	0.000	3.3697		
									Infiltration		0.2					
120 minute winter	66	116	6.444	0.351	1.5	0.0554	0.0000	OK	6.002	67	-0.5	0.023	0.000	1.9508		
									Infiltration		0.2					
120 minute winter	67	116	6.444	0.368	1.0	0.0570	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000		
									Infiltration		0.1					
120 minute winter	68	116	6.106	0.030	1.0	0.0047	0.0000	OK	6.004	69	1.0	0.041	0.000	4.2602		
120 minute winter	69	114	6.106	0.341	2.0	0.0546	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000		
									Infiltration		0.3					
120 minute winter	70	116	5.924	0.169	1.0	0.0270	0.0000	OK	6.006	71	0.8	0.051	0.000	1.3317		
120 minute winter	71	116	5.924	0.239	1.5	0.0382	0.0000	OK	6.007	72	0.3	0.014	0.000	4.3438		
									Infiltration		0.1					
120 minute winter	72	116	5.924	0.239	1.3	0.0382	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000		
									Infiltration		0.3					
360 minute winter	73	344	6.104	0.399	0.4	0.0638	0.0000	OK	6.009	74	0.2	0.016	0.000	2.1466		
360 minute winter	74	344	6.104	0.399	0.6	0.0638	0.0000	OK	6.010	75	0.2	0.043	0.000	2.4308		
									Infiltration		0.1					
360 minute winter	75	344	6.104	0.399	0.5	0.0638	0.0000	OK	6.011	76	0.3	0.034	0.000	2.6320		
									Infiltration		0.1					
360 minute winter	76	344	6.104	0.469	0.5	0.0713	0.0000	OK	6.012	76_OUT	0.1	0.005	0.000	2.7565		
									Infiltration		0.1					
360 minute winter	76_OUT	344	6.104	0.469	0.4	0.0750	0.0000	OK	Infiltration		0.1					

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Results for 100 year +30% Critical Storm Duration. Lowest mass balance: 81.46%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	1	10	9.800	0.500	14.3	0.0000	0.0000	FLOOD RISK	1.000	2	-14.3	-0.458	-0.654	0.4653	
15 minute summer	2	10	9.800	0.550	32.7	0.0000	0.0000	FLOOD RISK	1.001	3	-32.7	-1.068	-1.643	1.1284	
15 minute summer	3	10	9.800	0.650	42.9	0.0000	0.0000	FLOOD RISK	1.002	4	-42.9	-1.371	-2.028	0.4988	
15 minute summer	4	9	9.800	0.700	57.4	0.0000	0.0000	FLOOD RISK	1.003	5	-57.4	-1.835	-2.495	0.8441	
15 minute summer	5	9	9.800	0.800	71.5	0.0000	0.0000	FLOOD RISK	1.004	6	-71.5	-2.286	-1.913	0.1621	
15 minute summer	6	9	9.800	0.900	211.7	40.2401	0.0000	FLOOD RISK	1.005	7	92.8	1.898	1.915	0.7795	
15 minute summer	7	9	9.800	1.050	148.7	20.2740	0.0000	FLOOD RISK	1.006	8	124.1	1.594	1.758	2.4923	
15 minute summer	8	9	9.800	1.250	334.4	34.5519	0.0000	FLOOD RISK	1.007	9	243.5	1.945	2.251	5.9230	
15 minute summer	9	9	9.800	1.450	845.7	48.7930	0.0000	FLOOD RISK	1.008	10	528.6	2.700	2.230	3.1360	
15 minute summer	10	10	9.800	1.500	604.5	8.8333	0.0000	FLOOD RISK	1.009	11	389.3	2.064	2.635	47.8613	
15 minute summer	11	11	9.800	1.800	389.3	0.0000	0.0000	FLOOD RISK	1.010	12	350.8	1.793	1.218	53.3278	
15 minute summer	12	11	7.750	1.000	350.8	0.0000	0.0000	FLOOD RISK	1.011	13	567.4	3.642	2.880	0.3744	
30 minute summer	13	21	9.778	0.276	566.9	0.0000	0.0000	OK	1.012	13_OUT	483.7	7.428	0.391	0.5585	
30 minute winter	13_OUT	21	8.517	0.984	465.6	0.0000	0.0000	OK	Flow through pond	49	808.8	0.095	0.000	1414.9508	
15 minute summer	14	9	9.800	0.500	23.9	0.0000	0.0000	FLOOD RISK	2.000	15	-23.9	-0.762	-0.791	0.8136	
15 minute summer	15	9	9.800	0.714	210.5	42.3231	0.0000	FLOOD RISK	2.001	16	89.6	1.832	1.848	0.9254	
15 minute summer	16	9	9.800	0.809	89.6	0.0000	0.0000	FLOOD RISK	2.002	17	98.3	2.010	1.995	0.6320	
15 minute summer	17	9	9.800	0.941	158.4	16.5832	0.0000	FLOOD RISK	2.003	18	132.5	1.702	1.695	1.8750	
15 minute summer	18	9	9.800	1.119	241.2	33.8733	0.0000	FLOOD RISK	2.004	19	213.8	1.708	1.699	5.4890	
15 minute summer	19	9	9.800	1.344	459.0	48.1818	0.0000	FLOOD RISK	2.005	20	368.0	1.881	1.866	4.0626	
15 minute summer	20	9	9.800	1.389	368.0	0.0000	0.0000	FLOOD RISK	2.006	21	374.4	2.168	1.892	3.4979	
15 minute summer	21	9	9.800	1.428	374.4	0.0000	0.0000	FLOOD RISK	2.007	22	380.7	2.135	0.639	3.7404	
15 minute summer	22	9	9.800	1.800	503.2	23.2534	0.0000	FLOOD RISK	2.008	23	489.0	2.500	1.698	53.3017	
15 minute summer	23	8	7.750	1.000	489.0	0.0000	0.0000	FLOOD RISK	2.009	24	489.2	3.047	2.491	0.3407	
30 minute winter	24	31	9.779	0.279	605.7	0.0000	0.0000	OK	2.010	24_OUT	483.1	6.975	0.374	0.5394	
30 minute winter	24_OUT	22	8.803	1.269	527.0	0.0000	0.0000	OK	Flow through pond	49	808.8	0.095	0.000	1414.9508	
15 minute winter	25	11	9.118	0.320	19.2	0.2050	0.0000	SURCHARGED	3.000	26	17.8	1.000	0.982	0.6227	
15 minute winter	26	14	8.768	0.333	35.7	5.3440	0.0000	SURCHARGED	3.001	27	16.8	0.982	1.047	0.7028	
									Infiltration		3.4				
15 minute winter	27	15	8.398	0.264	34.9	4.8894	0.0000	SURCHARGED	3.002	28	20.3	1.193	1.009	0.5744	
									Infiltration		3.6				
15 minute winter	28	14	8.023	0.328	37.0	4.1502	0.0000	SURCHARGED	3.003	29	23.2	1.329	0.983	0.6315	
									Infiltration		2.6				
15 minute winter	29	13	7.372	0.307	40.8	2.7227	0.0000	SURCHARGED	3.004	30	32.8	1.853	1.180	0.1195	
									Infiltration		2.1				
30 minute winter	30	55	7.243	0.418	30.7	0.0501	0.0000	OK	3.005	31	27.5	0.280	0.011	9.3634	
30 minute winter	31	55	7.243	0.548	29.5	0.0657	0.0000	OK	3.006	32	21.1	0.207	0.012	8.5660	
									Infiltration		2.8				
30 minute winter	32	55	7.243	0.598	23.1	0.0717	0.0000	OK	3.007	33	14.1	0.139	0.009	7.7237	

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									Infiltration		2.2				
									Infiltration		2.3				
60 minute winter	33	55	7.243	0.468	16.1	0.0562	0.0000	OK	3.008	34	12.2	0.277	0.009	6.2617	
60 minute winter	34	55	7.243	0.498	13.2	0.0597	0.0000	OK	3.009	35	9.3	0.268	0.004	5.4365	
									Infiltration		1.9				
60 minute winter	35	55	7.243	0.568	10.4	0.0682	0.0000	OK	3.010	36	6.7	0.672	0.002	9.7468	
									Infiltration		1.5				
60 minute winter	36	55	7.243	0.738	7.5	0.0841	0.0000	OK	3.011	37	2.4	0.579	0.176	0.0097	
									Infiltration		2.3				
60 minute winter	37	47	6.758	0.203	3.9	0.0243	0.0000	OK	3.012	38	3.8	0.665	0.001	6.1299	
60 minute winter	38	46	6.758	0.443	16.3	0.0531	0.0000	OK	3.013	39	-8.3	-0.112	-0.006	4.2755	
									Infiltration		1.6				
									Infiltration		2.4				
60 minute winter	39	47	6.758	0.253	10.8	0.0303	0.0000	OK	3.014	40	-8.9	-0.326	-0.006	1.3824	
									Infiltration		0.9				
15 minute winter	40	11	6.746	0.051	15.6	0.0062	0.0000	OK	3.015	41	-12.2	-0.444	-0.008	0.3592	
									Infiltration		0.9				
15 minute winter	41	11	6.914	0.049	12.2	0.0058	0.0000	OK	3.016	42	-8.8	-0.361	-0.006	0.3002	
									Infiltration		0.9				
15 minute winter	42	11	7.122	0.037	8.9	0.0044	0.0000	OK	3.017	43	-5.5	-0.253	-0.004	0.2674	
									Infiltration		0.1				
15 minute winter	43	11	7.159	0.044	5.7	0.0052	0.0000	OK	3.018	44	-2.1	-0.125	-0.001	0.2218	
									Infiltration		0.1				
15 minute winter	44	10	7.246	0.021	3.6	0.0025	0.0000	OK	3.019	45	1.3	0.090	0.001	0.1823	
15 minute winter	45	11	7.231	0.036	4.9	0.0043	0.0000	OK	3.020	46	4.7	0.233	0.002	0.2646	
									Infiltration		0.1				
15 minute winter	46	11	7.164	0.039	8.2	0.0047	0.0000	OK	3.021	47	8.1	0.340	0.003	0.3324	
									Infiltration		0.1				
10080 minute winter	47	10260	7.096	0.131	0.1	0.0157	0.0000	OK	3.022	48	-0.1	-0.001	0.000	2.3011	
									Infiltration		0.1				
10080 minute winter	48	10260	7.096	0.301	0.4	0.0361	0.0000	OK	3.023	50	-0.4	-0.012	-0.001	3.3898	
									Infiltration		0.3				
10080 minute winter	49	9960	8.227	0.227	39.0	3.2155	0.0000	CIRCULAR HAIRCREID	Orifice	50	1.6				
									Infiltration		0.0				
10080 minute winter	50	9900	7.428	0.028	1.6	0.0000	0.0000	OK	4.001	51	1.6	0.783	0.074	0.0138	
10080 minute winter	51	9900	7.324	0.024	1.6	0.0000	0.0000	OK	4.002	52	1.6	0.845	0.055	0.0072	
10080 minute winter	52	9900	7.225	0.025	1.5	0.0000	0.0000	OK	4.003	53	1.5	0.813	0.052	0.0047	
10080 minute winter	53	10260	7.096	0.311	1.5	0.0373	0.0000	OK	3.024	54	0.9	0.088	0.000	4.9797	
									Infiltration		0.3				
10080 minute winter	54	10260	7.096	0.471	0.9	0.0565	0.0000	OK	3.025	54_OUT	0.5	0.014	0.000	8.2379	
									Infiltration		0.4				
10080 minute winter	54_OUT	10260	7.096	0.591	0.5	0.0709	0.0000	OK	Infiltration		0.5				
15 minute winter	55	13	8.893	0.447	16.2	0.1521	0.0000	CIRCULAR HAIRCREID	5.000	56	8.5	0.484	1.149	0.2949	
15 minute winter	56	13	8.875	0.458	18.7	2.2985	0.0000	CIRCULAR HAIRCREID	5.001	57	11.0	0.626	0.879	0.3709	

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									Infiltration		0.4				
30 minute winter	57	23	8.810	0.500	17.6	2.8853	0.0000	SURCHARGED	5.002	58	12.3	0.700	1.538	0.5462	
									Infiltration		0.4				
60 minute winter	58	44	8.668	0.423	14.9	3.6148	0.0000	SURCHARGED	5.003	59	11.6	0.659	1.563	0.3908	
									Infiltration		0.6				
120 minute winter	59	116	8.657	0.452	10.8	2.9150	0.0000	OK	5.004	60	6.6	0.101	0.009	15.4188	
									Infiltration		0.5				
120 minute winter	60	116	8.657	0.472	9.7	0.1508	0.0000	OK	5.005	61	2.1	0.064	0.002	22.5457	
									Infiltration		0.7				
120 minute winter	61	116	8.658	0.522	5.1	0.1773	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000	
									Infiltration		1.0				
180 minute winter	62	152	8.229	0.093	2.9	0.0315	0.0000	OK	5.007	63	2.4	0.073	0.001	13.1864	
180 minute winter	63	148	8.228	0.392	5.4	0.1334	0.0000	OK	5.008	63_OUT	-0.9	0.030	-0.001	9.8308	
									Infiltration		0.9				
180 minute winter	63_OUT	148	8.228	0.463	2.4	0.1575	0.0000	OK	Infiltration		0.5				
240 minute winter	64	224	6.610	0.425	0.9	0.0680	0.0000	OK	6.000	65	0.4	0.053	0.000	4.5468	
240 minute winter	65	224	6.610	0.485	1.3	0.0776	0.0000	OK	6.001	66	0.3	0.050	0.000	8.0438	
									Infiltration		0.2				
240 minute winter	66	224	6.610	0.517	1.3	0.0817	0.0000	OK	6.002	67	-0.4	0.023	0.000	3.4223	
									Infiltration		0.3				
240 minute winter	67	224	6.610	0.534	0.9	0.0828	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000	
									Infiltration		0.1				
120 minute winter	68	116	6.210	0.134	2.3	0.0208	0.0000	OK	6.004	69	1.5	0.047	0.000	7.1304	
120 minute winter	69	116	6.209	0.444	3.1	0.0711	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000	
									Infiltration		0.4				
120 minute winter	70	116	6.043	0.288	1.5	0.0461	0.0000	OK	6.006	71	1.0	0.062	0.000	2.4571	
120 minute winter	71	116	6.043	0.358	2.5	0.0573	0.0000	OK	6.007	72	0.4	0.015	0.000	7.5592	
									Infiltration		0.1				
120 minute winter	72	116	6.043	0.358	1.9	0.0573	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0105	
									Infiltration		0.4				
240 minute winter	73	216	6.382	0.657	11.3	0.1052	0.0000	OK	6.009	74	12.4	0.022	0.008	4.5499	
240 minute winter	74	348	6.362	0.657	12.4	0.1052	0.0000	OK	6.010	75	12.8	0.051	0.009	5.1545	
									Infiltration		0.2				
240 minute winter	75	348	6.362	0.657	12.8	0.1052	0.0000	OK	6.011	76	9.7	0.034	0.003	5.3492	
									Infiltration		0.2				
240 minute winter	76	348	6.362	0.727	9.7	0.1165	0.0000	OK	6.012	76_OUT	5.3	0.007	0.004	5.4097	
									Infiltration		0.2				
240 minute winter	76_OUT	348	6.362	0.727	5.3	0.1163	0.0000	OK	Infiltration		0.2				

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Results for 1000 year Critical Storm Duration. Lowest mass balance: 81.48%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	1	10	9.800	0.500	27.9	0.0000	0.0000	FLOOD RISK	1.000	2	-27.9	-0.925	-1.275	0.4653	
15 minute summer	2	10	9.800	0.550	33.5	0.0000	0.0000	FLOOD RISK	1.001	3	-33.5	-1.070	-1.684	1.1284	
15 minute summer	3	9	9.800	0.650	46.6	0.0000	0.0000	FLOOD RISK	1.002	4	-46.6	-1.554	-2.299	0.4986	
15 minute summer	4	9	9.800	0.700	65.9	0.0000	0.0000	FLOOD RISK	1.003	5	-65.9	-2.106	-2.862	0.8441	
15 minute summer	5	8	9.800	0.800	85.5	0.0000	0.0000	FLOOD RISK	1.004	6	-85.5	-2.733	-2.287	0.1621	
15 minute summer	6	8	9.800	0.900	249.3	49.9395	0.0000	FLOOD RISK	1.005	7	106.4	2.175	2.195	0.7795	
15 minute summer	7	8	9.800	1.050	182.3	25.0709	0.0000	FLOOD RISK	1.006	8	141.5	1.818	2.016	2.4923	
15 minute summer	8	8	9.800	1.250	373.5	42.5027	0.0000	FLOOD RISK	1.007	9	282.6	2.098	2.428	5.9230	
15 minute summer	9	9	9.800	1.450	722.1	59.5822	0.0000	FLOOD RISK	1.008	10	574.4	2.937	2.423	3.1360	
15 minute summer	10	9	9.800	1.500	861.0	10.7423	0.0000	FLOOD RISK	1.009	11	429.3	2.236	2.905	47.8613	
15 minute summer	11	11	9.800	1.800	429.3	0.0000	0.0000	FLOOD RISK	1.010	12	401.1	2.051	1.393	53.3278	
15 minute summer	12	11	7.750	1.000	401.1	0.0000	0.0000	FLOOD RISK	1.011	13	556.9	3.696	2.851	0.3796	
60 minute summer	13	32	9.782	0.282	583.8	0.0000	0.0000	OK	1.012	13_OUT	472.4	6.874	0.382	0.5605	
30 minute winter	13_OUT	23	8.647	1.113	484.9	0.0000	0.0000	OK	Flow through pond	49	1006.2	0.094	0.000	1705.2510	
15 minute summer	14	8	9.800	0.500	26.7	0.0000	0.0000	FLOOD RISK	2.000	15	-26.7	-0.853	-0.865	0.8136	
15 minute summer	15	9	9.800	0.714	245.8	51.0395	0.0000	FLOOD RISK	2.001	16	99.8	2.040	2.058	0.9254	
15 minute summer	16	9	9.800	0.809	99.8	0.0000	0.0000	FLOOD RISK	2.002	17	109.6	2.241	2.224	0.6320	
15 minute summer	17	9	9.800	0.941	188.4	19.8288	0.0000	FLOOD RISK	2.003	18	147.0	1.888	1.881	1.8750	
15 minute summer	18	9	9.800	1.119	247.6	40.4554	0.0000	FLOOD RISK	2.004	19	237.1	1.894	1.883	5.4890	
15 minute summer	19	9	9.800	1.344	484.3	56.9922	0.0000	FLOOD RISK	2.005	20	408.7	2.090	2.073	4.0626	
15 minute summer	20	8	9.800	1.389	408.7	0.0000	0.0000	FLOOD RISK	2.006	21	415.8	2.298	2.102	3.4979	
15 minute summer	21	8	9.800	1.428	415.8	0.0000	0.0000	FLOOD RISK	2.007	22	422.9	2.162	0.710	3.7404	
15 minute summer	22	8	9.800	1.800	563.8	27.0735	0.0000	FLOOD RISK	2.008	23	544.1	2.782	1.889	53.3017	
15 minute summer	23	8	7.750	1.000	544.1	0.0000	0.0000	FLOOD RISK	2.009	24	544.1	3.332	2.771	0.3639	
120 minute winter	24	74	9.781	0.281	598.5	0.0000	0.0000	OK	2.010	24_OUT	485.3	7.552	0.376	0.5503	
30 minute winter	24_OUT	22	9.084	1.551	595.0	0.0000	0.0000	OK	Flow through pond	49	1006.2	0.094	0.000	1705.2510	
15 minute winter	25	11	9.275	0.475	21.9	0.3063	0.0000	SURCHARGED	3.000	26	20.1	1.144	1.123	0.6227	
15 minute winter	26	14	8.814	0.379	41.3	6.9198	0.0000	SURCHARGED	3.001	27	16.5	0.988	1.037	0.7028	
									Infiltration		3.8				
30 minute winter	27	24	8.440	0.325	33.5	6.4156	0.0000	SURCHARGED	3.002	28	20.3	1.197	1.006	0.5744	
									Infiltration		4.1				
30 minute winter	28	23	8.085	0.370	35.4	5.2878	0.0000	SURCHARGED	3.003	29	23.2	1.355	0.984	0.6315	
									Infiltration		3.1				
60 minute winter	29	44	7.412	0.347	34.3	3.4837	0.0000	SURCHARGED	3.004	30	28.5	1.674	1.059	0.1195	
									Infiltration		2.4				
120 minute winter	30	68	7.279	0.454	26.4	0.0545	0.0000	OK	3.005	31	23.9	0.235	0.010	10.4412	
120 minute winter	31	68	7.279	0.584	25.3	0.0761	0.0000	OK	3.006	32	18.4	0.168	0.010	9.4235	
									Infiltration		3.0				
120 minute winter	32	88	7.279	0.634	19.8	0.0761	0.0000	OK	3.007	33	12.8	0.076	0.008	8.5387	

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									Infiltration		2.3				
									Infiltration		2.4				
120 minute winter	33	88	7.279	0.504	13.5	0.0805	0.0000	OK	3.008	34	12.7	0.204	0.009	7.0089	
120 minute winter	34	88	7.280	0.535	13.3	0.0841	0.0000	OK	3.009	35	10.7	0.232	0.004	6.0111	
									Infiltration		2.0				
120 minute winter	35	88	7.279	0.604	11.3	0.0725	0.0000	OK	3.010	36	9.6	0.651	0.003	10.6079	
									Infiltration		1.8				
120 minute winter	36	88	7.280	0.775	10.2	0.0883	0.0000	OK	3.011	37	7.5	0.768	0.548	0.0223	
									Infiltration		2.4				
120 minute winter	37	98	6.811	0.306	8.0	0.0367	0.0000	OK	3.012	38	7.0	0.649	0.002	8.9568	
120 minute winter	38	98	6.811	0.546	7.4	0.0655	0.0000	OK	3.013	39	-5.8	-0.094	-0.004	6.1825	
									Infiltration		1.9				
									Infiltration		2.9				
120 minute winter	39	98	6.811	0.356	7.7	0.0427	0.0000	OK	3.014	40	-6.3	-0.264	-0.004	2.5817	
									Infiltration		1.2				
120 minute winter	40	96	6.811	0.116	6.4	0.0139	0.0000	OK	3.015	41	-5.0	-0.321	-0.000	0.5049	
									Infiltration		0.1				
15 minute winter	41	11	6.918	0.053	14.0	0.0063	0.0000	OK	3.016	42	-10.2	-0.400	-0.007	0.3285	
									Infiltration		0.0				
15 minute winter	42	11	7.125	0.040	10.2	0.0048	0.0000	OK	3.017	43	-6.3	-0.286	-0.004	0.3134	
									Infiltration		0.1				
15 minute winter	43	11	7.192	0.047	6.5	0.0057	0.0000	OK	3.018	44	-2.4	-0.132	-0.002	0.2415	
									Infiltration		0.1				
15 minute winter	44	10	7.248	0.023	4.1	0.0028	0.0000	OK	3.019	45	1.5	0.095	0.001	0.1987	
15 minute winter	45	11	7.234	0.039	5.6	0.0047	0.0000	OK	3.020	46	5.4	0.244	0.003	0.2890	
									Infiltration		0.1				
15 minute winter	46	11	7.168	0.043	9.4	0.0051	0.0000	OK	3.021	47	9.2	0.357	0.003	0.3635	
									Infiltration		0.1				
10080 minute winter	47	10200	7.138	0.173	0.2	0.0207	0.0000	OK	3.022	48	-0.2	-0.001	0.000	2.8815	
									Infiltration		0.2				
10080 minute winter	48	10200	7.138	0.343	0.5	0.0411	0.0000	OK	3.023	53	-0.5	-0.010	-0.001	4.0548	
									Infiltration		0.3				
10080 minute winter	49	9900	8.275	0.275	46.5	3.8941	0.0000	SURCHARGED	Orifice	50	1.8				
									Infiltration		0.0				
10080 minute winter	50	9900	7.428	0.029	1.8	0.0000	0.0000	OK	4.001	51	1.8	0.807	0.062	0.0149	
10080 minute winter	51	9960	7.325	0.025	1.8	0.0000	0.0000	OK	4.002	52	1.8	0.872	0.061	0.0078	
10080 minute winter	52	9960	7.227	0.027	1.8	0.0000	0.0000	OK	4.003	53	1.8	0.839	0.058	0.0050	
10080 minute winter	53	10200	7.138	0.353	1.8	0.0423	0.0000	OK	3.024	54	0.9	0.103	0.000	5.7587	
									Infiltration		0.3				
10080 minute winter	54	10200	7.138	0.513	0.9	0.0615	0.0000	OK	3.025	54_OUT	0.5	0.012	0.000	9.2431	
									Infiltration		0.4				
10080 minute winter	54_OUT	10200	7.138	0.633	0.5	0.0759	0.0000	OK	Infiltration		0.5				
30 minute winter	55	22	9.019	0.573	9.4	0.1950	0.0000	SURCHARGED	5.000	56	8.2	0.463	1.103	0.2949	
30 minute winter	56	22	9.003	0.586	17.8	2.9785	0.0000	SURCHARGED	5.001	57	11.0	0.627	0.881	0.3709	

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									Infiltration		0.4					
30 minute winter	57	23	8.930	0.620	20.0	3.6837	0.0000	SURCHARGED	5.002	58	13.7	0.781	1.715	0.5462		
									Infiltration		0.5					
60 minute winter	58	44	8.754	0.509	17.3	4.4474	0.0000	SURCHARGED	5.003	59	13.5	0.765	1.816	0.3908		
									Infiltration		0.7					
120 minute winter	59	114	8.728	0.523	13.3	3.4058	0.0000	OK	5.004	60	8.9	0.108	0.011	19.0534		
									Infiltration		0.5					
120 minute winter	60	114	8.728	0.543	11.9	0.1845	0.0000	OK	5.005	61	2.4	0.068	0.003	27.5350		
									Infiltration		0.6					
120 minute winter	61	114	8.728	0.592	8.2	0.2012	0.0000	OK	5.006	62	1.1	0.488	0.074	0.0045		
									Infiltration		1.1					
180 minute winter	62	172	8.293	0.157	3.7	0.0534	0.0000	OK	5.007	63	2.8	0.079	0.001	17.8251		
180 minute winter	63	176	8.293	0.457	8.2	0.1555	0.0000	OK	5.008	63_OUT	-1.6	0.032	-0.001	12.1061		
									Infiltration		1.0					
180 minute winter	63_OUT	176	8.293	0.528	2.9	0.1798	0.0000	OK	Infiltration		0.5					
240 minute winter	64	228	6.678	0.490	1.1	0.0769	0.0000	OK	6.000	65	0.4	0.053	0.000	5.5980		
240 minute winter	65	228	6.678	0.553	1.7	0.0685	0.0000	OK	6.001	66	0.3	0.050	0.000	7.3335		
									Infiltration		0.2					
240 minute winter	66	228	6.678	0.585	1.5	0.0925	0.0000	OK	6.002	67	-0.5	0.023	0.000	4.1234		
									Infiltration		0.3					
240 minute winter	67	228	6.678	0.602	1.1	0.0934	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000		
									Infiltration		0.2					
180 minute winter	68	156	6.259	0.153	1.9	0.0284	0.0000	OK	6.004	69	1.3	0.046	0.000	8.6958		
180 minute winter	69	156	6.258	0.493	2.7	0.0789	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000		
									Infiltration		0.5					
240 minute winter	70	236	6.188	0.413	2.9	0.0661	0.0000	OK	6.006	71	-2.2	0.042	-0.001	3.9179		
240 minute winter	71	236	6.188	0.463	11.1	0.0773	0.0000	OK	6.007	72	-10.4	0.135	-0.007	11.6606		
									Infiltration		0.2					
240 minute winter	72	232	6.159	0.484	8.5	0.0774	0.0000	OK	6.008	73	11.1	0.795	0.774	0.0311		
									Infiltration		0.5					
240 minute summer	73	172	6.387	0.662	11.1	0.1059	0.0000	OK	6.009	74	11.1	0.017	0.007	4.6009		
720 minute winter	74	845	6.367	0.662	9.1	0.1059	0.0000	OK	6.010	75	-8.7	0.043	-0.006	5.2095		
									Infiltration		0.2					
240 minute summer	75	172	6.367	0.662	10.8	0.1059	0.0000	OK	6.011	76	9.1	0.037	0.003	5.4077		
									Infiltration		0.2					
240 minute winter	76	156	6.368	0.733	9.0	0.1114	0.0000	OK	6.012	76_OUT	-5.0	-0.007	-0.003	5.4745		
									Infiltration		0.2					
720 minute winter	76_OUT	450	6.367	0.732	2.0	0.1172	0.0000	OK	Infiltration		0.2					

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Results for 2 year 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 81.48%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	1	1	9.300	0.000	0.0	0.0000	0.0000	OK	1.000	2	0.0	0.000	0.000	0.0000	
15 minute summer	2	1	9.250	0.000	0.0	0.0000	0.0000	OK	1.001	3	0.0	0.000	0.000	0.0000	
15 minute summer	3	1	9.150	0.000	0.0	0.0000	0.0000	OK	1.002	4	0.0	0.000	0.000	0.0035	
15 minute summer	4	12	9.108	0.008	0.4	0.0000	0.0000	OK	1.003	5	-0.4	0.079	-0.017	0.2311	
15 minute summer	5	11	9.107	0.107	2.5	0.0000	0.0000	OK	1.004	6	2.8	-0.277	0.070	0.1121	
15 minute summer	6	11	9.107	0.207	53.9	1.7042	0.0000	OK	1.005	7	59.2	1.195	1.035	0.6877	
15 minute summer	7	12	9.034	0.284	79.7	1.1576	0.0000	OK	1.006	8	78.5	1.146	1.118	2.4284	
15 minute summer	8	12	8.983	0.433	137.4	2.9700	0.0000	SURCHARGED	1.007	9	131.2	1.204	1.213	5.9230	
15 minute summer	9	12	8.870	0.520	227.6	5.0580	0.0000	SURCHARGED	1.008	10	208.9	1.311	0.873	3.1360	
15 minute summer	10	12	8.841	0.541	225.0	0.9588	0.0000	SURCHARGED	1.009	11	194.5	1.268	1.316	37.0555	
15 minute summer	11	26	8.461	0.461	194.5	0.0000	0.0000	OK	1.010	12	172.8	1.432	0.800	52.3892	
15 minute summer	12	18	7.750	1.000	172.8	0.0000	0.0000	FLOOD RISK	1.011	13	0.0	0.000	0.000	0.2415	
15 minute summer	13	1	9.500	0.000	0.0	0.0000	0.0000	OK	1.012	13_OUT	0.0	0.000	0.000	0.0000	
15 minute summer	13_OUT	1	7.533	0.000	0.0	0.0000	0.0000	OK	Flow through pond	49	0.0	0.000	0.000	71.0338	
15 minute summer	14	1	9.300	0.000	0.0	0.0000	0.0000	OK	2.000	15	0.0	0.000	0.000	0.2478	
15 minute summer	15	11	9.253	0.167	40.4	1.3258	0.0000	OK	2.001	16	39.3	1.138	0.811	0.6536	
15 minute summer	16	11	9.156	0.165	39.3	0.0000	0.0000	OK	2.002	17	39.6	1.165	0.803	0.4387	
15 minute summer	17	11	9.057	0.198	56.4	0.8146	0.0000	OK	2.003	18	56.8	1.199	0.765	1.2008	
15 minute summer	18	11	8.952	0.271	107.7	1.7062	0.0000	OK	2.004	19	108.4	1.286	0.861	3.7584	
15 minute summer	19	25	8.887	0.431	190.9	3.8833	0.0000	OK	2.005	20	190.5	1.359	0.986	3.8145	
15 minute summer	20	21	8.889	0.478	190.5	0.0000	0.0000	OK	2.006	21	212.4	2.062	1.073	3.4838	
15 minute summer	21	20	8.896	0.524	212.4	0.0000	0.0000	SURCHARGED	2.007	22	188.9	1.868	0.317	3.7404	
15 minute summer	22	42	8.887	0.887	242.1	3.8537	0.0000	SURCHARGED	2.008	23	221.1	1.418	0.768	53.3017	
15 minute summer	23	12	7.750	1.000	221.1	0.0000	0.0000	FLOOD RISK	2.009	24	0.0	0.000	0.000	0.2417	
15 minute summer	24	1	9.500	0.000	0.0	0.0000	0.0000	OK	2.010	24_OUT	0.0	0.000	0.000	0.0000	
15 minute summer	24_OUT	1	7.533	0.000	0.0	0.0000	0.0000	OK	Flow through pond	49	0.0	0.000	0.000	71.0338	
15 minute summer	25	10	8.847	0.051	4.8	0.0328	0.0000	OK	3.000	26	4.5	0.673	0.252	0.2516	
15 minute summer	26	11	8.511	0.076	9.1	0.2991	0.0000	OK	3.001	27	8.0	0.870	0.501	0.3651	
									Infiltration		0.7				
15 minute summer	27	12	8.195	0.080	12.4	0.3987	0.0000	OK	3.002	28	10.9	1.114	0.539	0.3184	
									Infiltration		0.9				
15 minute summer	28	12	7.778	0.053	14.9	0.2897	0.0000	OK	3.003	29	14.0	1.274	0.594	0.3947	
									Infiltration		0.6				
15 minute summer	29	12	7.182	0.097	17.5	0.2941	0.0000	OK	3.004	30	17.1	1.535	0.615	0.0758	
									Infiltration		0.6				
15 minute summer	30	12	6.898	0.074	17.8	0.0089	0.0000	OK	3.005	31	17.7	0.343	0.007	1.3896	
15 minute summer	31	15	6.854	0.159	18.4	0.0191	0.0000	OK	3.006	32	13.5	0.210	0.008	1.7587	
									Infiltration		1.2				

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15 minute summer	32	15	6.853	0.208	13.9	0.0250	0.0000	OK	3.007	33	10.2	0.114	0.007	1.3244
									Infiltration		1.0			
									Infiltration		1.1			
15 minute summer	33	15	6.849	0.074	10.5	0.0089	0.0000	OK	3.008	34	10.1	0.285	0.007	0.4761
15 minute summer	34	20	6.821	0.076	10.3	0.0091	0.0000	OK	3.009	35	9.9	0.356	0.004	0.6893
									Infiltration		0.7			
15 minute summer	35	20	6.823	0.148	10.1	0.0178	0.0000	OK	3.010	36	7.2	0.084	0.002	2.2563
									Infiltration		0.6			
15 minute summer	36	20	6.821	0.316	7.3	0.0380	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.1			
15 minute summer	37	11	6.515	0.010	0.9	0.0012	0.0000	OK	3.012	38	0.8	0.062	0.000	1.0798
15 minute summer	38	18	6.414	0.149	5.4	0.0179	0.0000	OK	3.013	39	-3.9	-0.145	-0.003	0.7279
									Infiltration		0.6			
									Infiltration		0.6			
15 minute summer	39	12	6.479	0.024	4.0	0.0029	0.0000	OK	3.014	40	-3.3	-0.285	-0.002	0.1807
									Infiltration		0.1			
15 minute summer	40	12	6.715	0.020	3.4	0.0024	0.0000	OK	3.015	41	-2.5	-0.255	-0.002	0.1352
									Infiltration		0.0			
15 minute summer	41	12	6.884	0.018	2.7	0.0023	0.0000	OK	3.016	42	-1.9	-0.218	-0.001	0.1140
									Infiltration		0.0			
15 minute summer	42	12	7.100	0.015	2.0	0.0018	0.0000	OK	3.017	43	-1.2	-0.143	-0.001	0.1117
									Infiltration		0.0			
15 minute summer	43	11	7.183	0.018	1.4	0.0022	0.0000	OK	3.018	44	-0.5	-0.075	0.000	0.0888
									Infiltration		0.0			
15 minute summer	44	11	7.234	0.009	0.9	0.0011	0.0000	OK	3.019	45	0.3	0.054	0.000	0.0728
15 minute summer	45	11	7.210	0.015	1.2	0.0018	0.0000	OK	3.020	46	1.1	0.135	0.000	0.1025
									Infiltration		0.0			
15 minute summer	46	11	7.141	0.016	1.8	0.0019	0.0000	OK	3.021	47	1.8	0.197	0.001	0.1267
									Infiltration		0.0			
15 minute summer	47	12	6.984	0.019	2.6	0.0023	0.0000	OK	3.022	48	2.5	0.150	0.001	0.2472
									Infiltration		0.0			
15 minute summer	48	13	8.841	0.046	3.2	0.0055	0.0000	OK	3.023	53	2.9	0.155	0.004	0.2542
									Infiltration		0.0			
15 minute summer	49	21	7.516	-0.484	151.4	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
15 minute summer	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
15 minute summer	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
15 minute summer	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
15 minute summer	53	13	6.808	0.023	3.5	0.0028	0.0000	OK	3.024	54	3.3	0.248	0.001	0.4149
									Infiltration		0.1			
15 minute summer	54	23	6.718	0.093	3.9	0.0112	0.0000	OK	3.025	54_OUT	3.5	0.077	0.001	1.5518
									Infiltration		0.1			
15 minute summer	54_OUT	25	6.719	0.214	4.2	0.0257	0.0000	OK	Infiltration		0.2			

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15 minute summer	55	10	8.504	0.058	2.4	0.0199	0.0000	OK	5.000	56	2.4	0.379	0.318	0.1079
15 minute summer	56	11	8.478	0.060	4.8	0.2245	0.0000	OK	5.001	57	4.3	0.467	0.342	0.1910
									Infiltration		0.2			
15 minute summer	57	12	8.404	0.094	6.8	0.2849	0.0000	OK	5.002	58	5.8	0.492	0.726	0.3714
									Infiltration		0.2			
15 minute summer	58	13	8.347	0.102	7.7	0.5095	0.0000	OK	5.003	59	6.2	0.574	0.838	0.2397
									Infiltration		0.4			
15 minute summer	59	14	8.282	0.077	7.6	0.3652	0.0000	OK	5.004	60	6.2	0.161	0.069	1.6899
									Infiltration		0.3			
15 minute summer	60	22	8.278	0.093	7.0	0.0018	0.0000	OK	5.005	61	3.0	0.085	0.003	3.3408
									Infiltration		0.3			
15 minute summer	61	22	8.279	0.143	4.8	0.0455	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
15 minute summer	62	12	8.158	0.022	2.4	0.0074	0.0000	OK	5.007	63	1.9	0.141	0.001	1.3329
15 minute summer	63	20	7.900	0.054	4.8	0.0216	0.0000	OK	5.008	63_OUT	1.6	0.054	0.001	1.4980
									Infiltration		0.1			
15 minute summer	63_OUT	21	7.900	0.135	4.8	0.0450	0.0000	OK	Infiltration		0.2			
15 minute summer	64	17	6.208	0.023	1.1	0.0036	0.0000	OK	6.000	65	1.1	0.105	0.000	0.3688
15 minute summer	65	18	6.207	0.082	2.4	0.0131	0.0000	OK	6.001	66	1.3	0.073	0.001	0.7975
									Infiltration		0.1			
15 minute summer	66	19	6.207	0.114	2.5	0.0180	0.0000	OK	6.002	67	-0.4	0.023	0.000	0.4852
									Infiltration		0.1			
15 minute summer	67	19	6.207	0.131	1.1	0.0203	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
15 minute summer	68	11	6.068	0.012	1.1	0.0018	0.0000	OK	6.004	69	1.1	0.074	0.000	0.8894
15 minute summer	69	20	5.867	0.102	2.2	0.0163	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
15 minute summer	70	11	5.768	0.013	1.1	0.0021	0.0000	OK	6.006	71	1.1	0.094	0.000	0.1987
15 minute summer	71	18	5.757	0.072	2.2	0.0115	0.0000	OK	6.007	72	0.5	0.027	0.000	1.0084
									Infiltration		0.1			
15 minute summer	72	18	5.757	0.072	1.8	0.0115	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
15 minute summer	73	18	5.792	0.087	1.1	0.0140	0.0000	OK	6.009	74	0.8	0.048	0.001	0.3564
15 minute summer	74	18	5.792	0.087	1.9	0.0139	0.0000	OK	6.010	75	1.5	0.113	0.001	0.3455
									Infiltration		0.1			
15 minute summer	75	19	5.792	0.057	2.8	0.0139	0.0000	OK	6.011	76	2.2	0.082	0.001	0.4977
									Infiltration		0.1			
15 minute summer	76	19	5.792	0.157	3.3	0.0238	0.0000	OK	6.012	76_OUT	0.6	0.013	0.000	0.5238
									Infiltration		0.1			
15 minute summer	76_OUT	18	5.792	0.157	1.7	0.0251	0.0000	OK	Infiltration		0.1			

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Results for 2 year 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 82.79%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	1	1	9.300	0.000	0.0	0.0000	0.0000	OK	1.000	2	0.0	0.000	0.000	0.0000	
15 minute winter	2	1	9.250	0.000	0.0	0.0000	0.0000	OK	1.001	3	0.0	0.000	0.000	0.0001	
15 minute winter	3	14	9.150	0.000	0.0	0.0000	0.0000	OK	1.002	4	0.0	-0.000	0.000	0.0503	
15 minute winter	4	13	9.151	0.051	1.5	0.0000	0.0000	OK	1.003	5	-1.5	0.244	-0.066	0.3748	
15 minute winter	5	12	9.146	0.146	4.4	0.0000	0.0000	OK	1.004	6	6.6	0.482	0.177	0.1435	
15 minute winter	6	12	9.142	0.242	55.7	1.9941	0.0000	OK	1.005	7	51.0	1.198	1.053	0.7759	
15 minute winter	7	12	9.092	0.342	83.0	1.3930	0.0000	SURCHARGED	1.006	8	78.8	1.149	1.123	2.4923	
15 minute winter	8	12	9.017	0.467	143.2	3.2064	0.0000	SURCHARGED	1.007	9	132.0	1.191	1.220	5.9230	
15 minute winter	9	12	8.913	0.563	237.8	5.4719	0.0000	SURCHARGED	1.008	10	217.1	1.262	0.918	3.1360	
15 minute winter	10	12	8.880	0.580	237.0	1.0277	0.0000	SURCHARGED	1.009	11	206.7	1.288	1.399	38.0335	
15 minute winter	11	21	8.638	0.638	206.7	0.0000	0.0000	SURCHARGED	1.010	12	166.0	1.438	0.846	50.3278	
15 minute winter	12	15	7.750	1.000	185.0	0.0000	0.0000	FLOOD RISK	1.011	13	0.0	0.000	0.000	0.2415	
15 minute winter	13	1	9.500	0.000	0.0	0.0000	0.0000	OK	1.012	13_OUT	0.0	0.000	0.000	0.0000	
15 minute winter	13_OUT	1	7.533	0.000	0.0	0.0000	0.0000	OK	Flow through pond	49	0.0	0.000	0.000	77.8854	
15 minute winter	14	1	9.300	0.000	0.0	0.0000	0.0000	OK	2.000	15	0.0	0.000	0.000	0.2608	
15 minute winter	15	11	9.256	0.172	42.5	1.3659	0.0000	OK	2.001	16	41.0	1.150	0.847	0.8828	
15 minute winter	16	18	9.250	0.269	41.0	0.0000	0.0000	SURCHARGED	2.002	17	41.4	1.184	0.843	0.8215	
15 minute winter	17	22	9.233	0.374	62.0	1.1602	0.0000	SURCHARGED	2.003	18	62.3	1.200	0.797	1.8750	
15 minute winter	18	22	9.245	0.564	112.8	3.5474	0.0000	SURCHARGED	2.004	19	113.0	1.258	0.898	5.4890	
15 minute winter	19	18	9.245	0.783	198.7	7.1133	0.0000	SURCHARGED	2.005	20	201.2	1.399	1.020	4.0628	
15 minute winter	20	18	9.240	0.829	201.2	0.0000	0.0000	SURCHARGED	2.006	21	203.8	2.029	1.030	3.4979	
15 minute winter	21	14	9.247	0.875	203.8	0.0000	0.0000	SURCHARGED	2.007	22	204.5	1.950	0.343	3.7404	
15 minute winter	22	15	9.269	1.269	259.8	5.5111	0.0000	SURCHARGED	2.008	23	230.6	1.428	0.801	53.3017	
15 minute winter	23	12	7.750	1.000	230.6	0.0000	0.0000	FLOOD RISK	2.009	24	0.0	0.000	0.000	0.2417	
15 minute winter	24	1	9.500	0.000	0.0	0.0000	0.0000	OK	2.010	24_OUT	0.0	0.000	0.000	0.0000	
15 minute winter	24_OUT	1	7.533	0.000	0.0	0.0000	0.0000	OK	Flow through pond	49	0.0	0.000	0.000	77.8854	
15 minute winter	25	10	8.848	0.052	4.8	0.0334	0.0000	OK	3.000	26	4.7	0.884	0.261	0.2582	
15 minute winter	26	11	8.513	0.078	9.5	0.3118	0.0000	OK	3.001	27	8.3	0.876	0.522	0.3774	
									Infiltration		0.7				
15 minute winter	27	12	8.197	0.082	12.8	0.4179	0.0000	OK	3.002	28	11.3	1.123	0.562	0.3292	
									Infiltration		0.9				
15 minute winter	28	12	7.751	0.086	15.5	0.3046	0.0000	OK	3.003	29	14.7	1.283	0.622	0.4096	
									Infiltration		0.6				
15 minute winter	29	12	7.165	0.100	18.7	0.3125	0.0000	OK	3.004	30	17.9	1.549	0.545	0.0785	
									Infiltration		0.6				
15 minute winter	30	12	6.991	0.078	18.6	0.0091	0.0000	OK	3.005	31	18.5	0.349	0.008	1.4780	
15 minute winter	31	15	6.862	0.187	19.2	0.0201	0.0000	OK	3.006	32	14.8	0.216	0.008	1.8531	
									Infiltration		1.2				

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15 minute winter	32	15	6.861	0.216	15.3	0.0259	0.0000	OK	3.007	33	11.9	0.124	0.008	1.4042
									Infiltration		1.0			
									Infiltration		1.1			
15 minute winter	33	15	6.856	0.661	12.3	0.0097	0.0000	OK	3.008	34	11.9	0.304	0.008	0.8250
15 minute winter	34	19	6.842	0.097	12.1	0.0115	0.0000	OK	3.009	35	11.5	0.342	0.005	0.8230
									Infiltration		0.7			
15 minute winter	35	19	6.840	0.165	11.8	0.0198	0.0000	OK	3.010	36	7.0	0.097	0.002	2.5165
									Infiltration		0.7			
15 minute winter	36	18	6.843	0.338	7.4	0.0385	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.2			
15 minute winter	37	11	6.515	0.010	0.9	0.0012	0.0000	OK	3.012	38	0.8	0.063	0.000	1.1892
15 minute winter	38	18	6.426	0.161	5.5	0.0193	0.0000	OK	3.013	39	-4.0	-0.142	-0.003	0.7993
									Infiltration		0.7			
									Infiltration		0.9			
15 minute winter	39	12	6.450	0.025	4.1	0.0030	0.0000	OK	3.014	40	-3.4	-0.286	-0.002	0.1626
									Infiltration		0.1			
15 minute winter	40	12	6.716	0.021	3.4	0.0025	0.0000	OK	3.015	41	-2.7	-0.256	-0.002	0.1385
									Infiltration		0.0			
15 minute winter	41	12	6.885	0.020	2.7	0.0023	0.0000	OK	3.016	42	-1.9	-0.220	-0.001	0.1148
									Infiltration		0.0			
15 minute winter	42	11	7.100	0.015	3.0	0.0018	0.0000	OK	3.017	43	-1.2	-0.144	-0.001	0.1129
									Infiltration		0.0			
15 minute winter	43	11	7.163	0.018	1.4	0.0022	0.0000	OK	3.018	44	-0.5	-0.075	0.000	0.0695
									Infiltration		0.0			
15 minute winter	44	11	7.234	0.009	0.9	0.0011	0.0000	OK	3.019	45	0.3	0.053	0.000	0.0732
15 minute winter	45	11	7.210	0.015	1.2	0.0018	0.0000	OK	3.020	46	1.1	0.136	0.000	0.1035
									Infiltration		0.0			
15 minute winter	46	11	7.141	0.015	1.9	0.0019	0.0000	OK	3.021	47	1.8	0.198	0.001	0.1275
									Infiltration		0.0			
15 minute winter	47	12	6.984	0.019	2.6	0.0023	0.0000	OK	3.022	48	2.5	0.148	0.001	0.2515
									Infiltration		0.0			
15 minute winter	48	13	6.841	0.048	3.3	0.0056	0.0000	OK	3.023	53	3.0	0.158	0.004	0.2601
									Infiltration		0.0			
15 minute winter	49	20	7.518	-0.482	159.1	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
15 minute winter	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
15 minute winter	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
15 minute winter	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
15 minute winter	53	13	6.809	0.024	3.6	0.0029	0.0000	OK	3.024	54	3.5	0.242	0.001	0.4745
									Infiltration		0.1			
15 minute winter	54	24	6.731	0.108	4.1	0.0127	0.0000	OK	3.025	54_OUT	3.1	0.076	0.001	1.7010
									Infiltration		0.1			
15 minute winter	54_OUT	28	6.731	0.228	3.9	0.0272	0.0000	OK	Infiltration		0.2			

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15 minute winter	55	10	8.507	0.061	2.6	0.0208	0.0000	OK	5.000	56	2.5	0.379	0.339	0.1131
15 minute winter	56	11	8.479	0.063	5.1	0.2369	0.0000	OK	5.001	57	4.6	0.492	0.367	0.2004
									Infiltration		0.2			
15 minute winter	57	12	8.409	0.093	7.0	0.2881	0.0000	OK	5.002	58	6.2	0.497	0.775	0.3957
									Infiltration		0.2			
15 minute winter	58	13	8.354	0.109	8.3	0.6829	0.0000	OK	5.003	59	6.8	0.585	0.915	0.2602
									Infiltration		0.4			
15 minute winter	59	21	8.290	0.085	8.4	0.4124	0.0000	OK	5.004	60	7.0	0.166	0.010	1.9883
									Infiltration		0.3			
15 minute winter	60	22	8.290	0.105	8.1	0.0358	0.0000	OK	5.005	61	3.1	0.083	0.003	3.7493
									Infiltration		0.3			
15 minute winter	61	22	8.291	0.155	5.1	0.0528	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
15 minute winter	62	12	8.159	0.023	2.6	0.0078	0.0000	OK	5.007	63	2.1	0.144	0.001	1.5300
15 minute winter	63	21	7.909	0.073	8.4	0.0249	0.0000	OK	5.008	63_OUT	-2.0	0.054	-0.001	1.8618
									Infiltration		0.1			
15 minute winter	63_OUT	22	7.910	0.145	4.4	0.0492	0.0000	OK	Infiltration		0.2			
15 minute winter	64	19	6.215	0.030	1.2	0.0047	0.0000	OK	6.000	65	1.1	0.160	0.001	0.3536
15 minute winter	65	18	6.214	0.089	2.3	0.0142	0.0000	OK	6.001	66	1.1	0.075	0.001	0.7650
									Infiltration		0.1			
15 minute winter	66	17	6.214	0.121	3.2	0.0191	0.0000	OK	6.002	67	-0.6	0.029	0.000	0.5167
									Infiltration		0.1			
15 minute winter	67	17	6.214	0.136	1.2	0.0214	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
15 minute winter	68	11	6.058	0.012	1.2	0.0019	0.0000	OK	6.004	69	1.1	0.074	0.000	0.9642
15 minute winter	69	20	5.874	0.109	2.3	0.0175	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
15 minute winter	70	10	5.789	0.014	1.2	0.0022	0.0000	OK	6.006	71	1.2	0.094	0.000	0.2199
15 minute winter	71	17	5.762	0.077	2.4	0.0123	0.0000	OK	6.007	72	0.5	0.026	0.000	1.0920
									Infiltration		0.1			
15 minute winter	72	18	5.762	0.077	1.7	0.0123	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
15 minute winter	73	19	5.800	0.095	1.2	0.0152	0.0000	OK	6.009	74	0.9	0.050	0.001	0.3390
15 minute winter	74	19	5.800	0.095	2.0	0.0153	0.0000	OK	6.010	75	1.6	0.118	0.001	0.3856
									Infiltration		0.1			
15 minute winter	75	19	5.801	0.098	2.7	0.0153	0.0000	OK	6.011	76	2.3	0.081	0.001	0.5409
									Infiltration		0.1			
15 minute winter	76	18	5.801	0.166	3.4	0.0252	0.0000	OK	6.012	76_OUT	0.6	0.012	0.000	0.6686
									Infiltration		0.1			
15 minute winter	76_OUT	18	5.801	0.166	1.7	0.0265	0.0000	OK	Infiltration		0.1			

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Results for 2 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 82.81%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	1	1	9.300	0.000	0.0	0.0000	0.0000	OK	1.000	2	0.0	0.000	0.000	0.0000	
30 minute summer	2	1	9.250	0.000	0.0	0.0000	0.0000	OK	1.001	3	0.0	0.000	0.000	0.0000	
30 minute summer	3	1	9.150	0.000	0.0	0.0000	0.0000	OK	1.002	4	0.0	0.000	0.000	0.0000	
30 minute summer	4	1	9.100	0.000	0.0	0.0000	0.0000	OK	1.003	5	0.0	0.000	0.000	0.1798	
30 minute summer	5	18	9.088	0.088	1.8	0.0000	0.0000	OK	1.004	6	1.9	0.202	0.052	0.0946	
30 minute summer	6	18	9.089	0.189	47.8	1.5585	0.0000	OK	1.005	7	46.5	1.198	0.960	0.6188	
30 minute summer	7	19	9.004	0.254	73.9	1.8357	0.0000	OK	1.006	8	72.4	1.150	1.031	2.2173	
30 minute summer	8	20	8.938	0.388	127.3	2.8615	0.0000	OK	1.007	9	120.7	1.132	1.116	5.8975	
30 minute summer	9	20	8.855	0.505	211.1	4.9096	0.0000	SURCHARGED	1.008	10	194.0	1.125	0.818	3.1358	
30 minute summer	10	20	8.830	0.530	211.1	0.9094	0.0000	SURCHARGED	1.009	11	192.5	1.180	1.303	46.8115	
30 minute summer	11	32	8.782	0.782	192.5	0.0000	0.0000	SURCHARGED	1.010	12	167.9	1.021	0.583	53.3278	
30 minute summer	12	22	7.750	1.000	187.9	0.0000	0.0000	FLOOD RISK	1.011	13	0.0	0.000	0.000	0.2415	
30 minute summer	13	1	9.500	0.000	0.0	0.0000	0.0000	OK	1.012	13_OUT	0.0	0.000	0.000	0.0000	
30 minute summer	13_OUT	35	7.534	0.001	0.0	0.0000	0.0000	OK	Flow through pond	49	19.7	0.011	0.000	94.7260	
30 minute summer	14	32	9.583	0.283	5.8	0.0000	0.0000	FLOOD RISK	2.000	15	-5.8	-0.222	-0.193	0.8136	
30 minute summer	15	32	9.578	0.492	36.3	3.9022	0.0000	FLOOD RISK	2.001	16	36.0	1.115	0.742	0.9254	
30 minute summer	16	32	9.593	0.602	36.0	0.0000	0.0000	FLOOD RISK	2.002	17	35.7	1.126	0.725	0.6329	
30 minute summer	17	32	9.603	0.744	56.4	2.3095	0.0000	FLOOD RISK	2.003	18	53.8	1.162	0.988	1.8750	
30 minute summer	18	31	9.571	0.890	98.9	5.8014	0.0000	FLOOD RISK	2.004	19	97.9	1.261	0.778	5.4690	
30 minute summer	19	31	9.552	1.106	174.3	9.9758	0.0000	FLOOD RISK	2.005	20	172.5	1.349	0.875	4.0828	
30 minute summer	20	32	9.569	1.158	216.4	0.0000	0.0000	FLOOD RISK	2.006	21	186.9	1.770	0.844	3.4978	
30 minute summer	21	32	9.579	1.297	166.9	0.0000	0.0000	FLOOD RISK	2.007	22	179.0	1.873	0.285	3.7404	
30 minute summer	22	32	9.578	1.578	218.9	6.8557	0.0000	FLOOD RISK	2.008	23	188.5	1.077	0.554	53.3017	
30 minute summer	23	18	7.750	1.000	188.5	0.0000	0.0000	FLOOD RISK	2.009	24	21.3	0.176	0.109	0.2524	
30 minute summer	24	33	8.545	0.045	21.3	0.0000	0.0000	OK	2.010	24_OUT	21.0	2.431	0.017	0.0518	
30 minute summer	24_OUT	33	7.626	0.093	21.0	0.0000	0.0000	OK	Flow through pond	49	19.7	0.011	0.000	94.7260	
30 minute summer	25	18	8.845	0.049	4.1	0.0311	0.0000	OK	3.000	26	4.1	0.639	0.228	0.2325	
30 minute summer	26	19	8.508	0.071	8.2	0.2654	0.0000	OK	3.001	27	7.2	0.845	0.455	0.3418	
									Infiltration		0.6				
30 minute summer	27	19	8.190	0.075	11.1	0.3611	0.0000	OK	3.002	28	9.9	1.087	0.492	0.2975	
									Infiltration		0.8				
30 minute summer	28	19	7.774	0.079	13.8	0.2628	0.0000	OK	3.003	29	12.8	1.247	0.543	0.3685	
									Infiltration		0.6				
30 minute summer	29	19	7.156	0.091	16.5	0.2648	0.0000	OK	3.004	30	15.7	1.508	0.564	0.0706	
									Infiltration		0.5				
30 minute summer	30	20	6.896	0.071	16.4	0.0085	0.0000	OK	3.005	31	15.3	0.287	0.097	1.4244	
30 minute summer	31	22	6.859	0.164	16.9	0.0197	0.0000	OK	3.006	32	13.4	0.144	0.068	1.8111	
									Infiltration		1.2				

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30 minute summer	32	22	6.858	0.213	13.9	0.0255	0.0000	OK	3.007	33	10.7	0.117	0.007	1.3867
									Infiltration		1.0			
									Infiltration		1.1			
30 minute summer	33	22	6.853	0.078	11.1	0.0093	0.0000	OK	3.008	34	10.9	0.295	0.068	0.8341
30 minute summer	34	25	6.842	0.097	11.2	0.0116	0.0000	OK	3.009	35	10.5	0.328	0.004	0.8308
									Infiltration		0.7			
30 minute summer	35	27	6.842	0.187	10.5	0.0250	0.0000	OK	3.010	36	7.2	0.091	0.002	2.5250
									Infiltration		0.7			
30 minute summer	36	25	6.843	0.338	7.6	0.0385	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.2			
30 minute summer	37	18	6.515	0.010	0.8	0.0012	0.0000	OK	3.012	38	0.8	0.043	0.000	1.2572
30 minute summer	38	26	6.433	0.168	5.2	0.0202	0.0000	OK	3.013	39	-3.7	-0.110	-0.002	0.8408
									Infiltration		0.7			
									Infiltration		1.0			
30 minute summer	39	20	6.479	0.024	3.9	0.0028	0.0000	OK	3.014	40	-3.2	-0.280	-0.002	0.1555
									Infiltration		0.1			
30 minute summer	40	19	6.715	0.020	3.2	0.0024	0.0000	OK	3.015	41	-2.5	-0.251	-0.002	0.1311
									Infiltration		0.0			
30 minute summer	41	19	6.884	0.018	2.8	0.0023	0.0000	OK	3.016	42	-1.8	-0.214	-0.001	0.1107
									Infiltration		0.0			
30 minute summer	42	19	7.099	0.014	1.9	0.0017	0.0000	OK	3.017	43	-1.2	-0.140	-0.001	0.1085
									Infiltration		0.0			
30 minute summer	43	19	7.183	0.018	1.3	0.0021	0.0000	OK	3.018	44	-0.5	-0.072	0.000	0.0853
									Infiltration		0.0			
30 minute summer	44	18	7.234	0.009	0.8	0.0010	0.0000	OK	3.019	45	0.3	0.052	0.000	0.0894
30 minute summer	45	19	7.209	0.014	1.1	0.0017	0.0000	OK	3.020	46	1.0	0.131	0.000	0.0991
									Infiltration		0.0			
30 minute summer	46	19	7.140	0.015	1.5	0.0018	0.0000	OK	3.021	47	1.7	0.192	0.001	0.1228
									Infiltration		0.0			
30 minute summer	47	19	6.984	0.019	2.4	0.0022	0.0000	OK	3.022	48	2.3	0.141	0.001	0.2437
									Infiltration		0.0			
30 minute summer	48	20	6.841	0.046	3.0	0.0055	0.0000	OK	3.023	53	2.8	0.155	0.004	0.2541
									Infiltration		0.0			
30 minute summer	49	100	7.521	-0.479	135.8	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
30 minute summer	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
30 minute summer	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
30 minute summer	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
30 minute summer	53	20	6.808	0.023	3.4	0.0028	0.0000	OK	3.024	54	3.3	0.231	0.001	0.5777
									Infiltration		0.1			
30 minute summer	54	35	6.751	0.128	3.9	0.0151	0.0000	OK	3.025	54_OUT	2.9	0.082	0.001	1.9551
									Infiltration		0.1			
30 minute summer	54_OUT	37	6.751	0.246	3.7	0.0295	0.0000	OK	Infiltration		0.3			

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30 minute summer	55	18	8.502	0.056	2.2	0.0191	0.0000	OK	5.000	56	2.2	0.365	0.297	0.1029
30 minute summer	56	19	8.474	0.058	4.4	0.2133	0.0000	OK	5.001	57	4.0	0.474	0.318	0.1818
									Infiltration		0.2			
30 minute summer	57	19	8.400	0.090	6.1	0.2413	0.0000	OK	5.002	58	5.5	0.474	0.881	0.3861
									Infiltration		0.2			
30 minute summer	58	21	8.347	0.102	7.4	0.5044	0.0000	OK	5.003	59	6.1	0.561	0.826	0.2452
									Infiltration		0.4			
30 minute summer	59	32	8.299	0.094	7.6	0.4658	0.0000	OK	5.004	60	6.2	0.150	0.009	2.1731
									Infiltration		0.3			
30 minute summer	60	32	8.299	0.114	7.5	0.0087	0.0000	OK	5.005	61	2.7	0.078	0.003	4.0386
									Infiltration		0.3			
30 minute summer	61	32	8.299	0.163	4.8	0.0554	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.5			
30 minute summer	62	19	8.157	0.021	2.2	0.0073	0.0000	OK	5.007	63	1.8	0.124	0.001	1.7187
30 minute summer	63	34	7.920	0.054	4.8	0.0286	0.0000	OK	5.008	63_OUT	1.3	0.045	0.001	1.8807
									Infiltration		0.2			
30 minute summer	63_OUT	35	7.820	0.155	3.3	0.0529	0.0000	OK	Infiltration		0.2			
30 minute summer	64	33	6.221	0.036	1.9	0.0057	0.0000	OK	6.000	65	1.9	0.083	0.000	0.3948
30 minute summer	65	32	6.220	0.095	2.9	0.0152	0.0000	OK	6.001	66	0.6	0.055	0.000	0.8228
									Infiltration		0.1			
30 minute summer	66	32	6.221	0.128	1.7	0.0202	0.0000	OK	6.002	67	-0.4	0.025	0.000	0.5499
									Infiltration		0.1			
30 minute summer	67	32	6.221	0.145	1.0	0.0224	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
30 minute summer	68	18	6.057	0.011	1.0	0.0017	0.0000	OK	6.004	69	0.9	0.051	0.000	1.0831
30 minute summer	69	33	5.884	0.119	1.9	0.0191	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
30 minute summer	70	18	5.768	0.013	1.0	0.0020	0.0000	OK	6.006	71	1.0	0.058	0.000	0.2393
30 minute summer	71	32	5.766	0.081	2.0	0.0129	0.0000	OK	6.007	72	0.4	0.018	0.000	1.1490
									Infiltration		0.1			
30 minute summer	72	32	5.765	0.080	1.4	0.0129	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
30 minute summer	73	32	5.810	0.105	1.0	0.0158	0.0000	OK	6.009	74	0.5	0.040	0.000	0.3805
30 minute summer	74	33	5.810	0.105	1.6	0.0158	0.0000	OK	6.010	75	0.9	0.089	0.001	0.4309
									Infiltration		0.1			
30 minute summer	75	33	5.810	0.105	1.8	0.0188	0.0000	OK	6.011	76	1.4	0.053	0.000	0.5888
									Infiltration		0.1			
30 minute summer	76	33	5.810	0.175	2.1	0.0256	0.0000	OK	6.012	76_OUT	0.3	0.007	0.000	0.7178
									Infiltration		0.1			
30 minute summer	76_OUT	32	5.810	0.175	1.2	0.0261	0.0000	OK	Infiltration		0.1			

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Results for 2 year 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 83.87%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	1	1	9.300	0.000	0.0	0.0000	0.0000	OK	1.000	2	0.0	0.000	0.000	0.0000	
30 minute winter	2	1	9.250	0.000	0.0	0.0000	0.0000	OK	1.001	3	0.0	0.000	0.000	0.0000	
30 minute winter	3	1	9.150	0.000	0.0	0.0000	0.0000	OK	1.002	4	0.0	0.000	0.000	0.0000	
30 minute winter	4	1	9.100	0.000	0.0	0.0000	0.0000	OK	1.003	5	0.0	0.000	0.000	0.1460	
30 minute winter	5	18	9.076	0.076	2.0	0.0000	0.0000	OK	1.004	6	2.1	0.296	0.056	0.0817	
30 minute winter	6	18	9.076	0.176	43.0	1.4498	0.0000	OK	1.005	7	42.6	1.186	0.883	0.5826	
30 minute winter	7	33	9.036	0.286	87.4	1.1759	0.0000	OK	1.006	8	86.4	1.138	0.948	2.4412	
30 minute winter	8	31	9.057	0.507	115.1	3.4618	0.0000	SURCHARGED	1.007	9	111.1	1.102	1.027	5.9230	
30 minute winter	9	37	9.050	0.700	192.6	6.8197	0.0000	SURCHARGED	1.008	10	180.6	1.046	0.762	3.1360	
30 minute winter	10	35	9.052	0.752	198.0	1.3342	0.0000	SURCHARGED	1.009	11	186.5	1.183	1.262	47.8613	
30 minute winter	11	35	9.195	1.195	186.5	0.0000	0.0000	SURCHARGED	1.010	12	164.3	1.076	0.576	50.3278	
30 minute winter	12	21	7.750	1.000	164.3	0.0000	0.0000	FLOOD RISK	1.011	13	0.0	0.000	0.000	0.2415	
30 minute winter	13	1	9.500	0.000	0.0	0.0000	0.0000	OK	1.012	13_OUT	0.0	0.000	0.000	0.0000	
30 minute winter	13_OUT	31	7.535	0.002	0.0	0.0000	0.0000	OK	Flow through pond	49	40.7	0.037	0.000	119.1688	
30 minute winter	14	25	9.708	0.408	14.1	0.0000	0.0000	FLOOD RISK	2.000	15	-14.1	-0.456	-0.466	0.8138	
30 minute winter	15	27	9.664	0.578	42.8	4.5801	0.0000	FLOOD RISK	2.001	16	32.6	1.088	0.673	0.9254	
30 minute winter	16	28	9.664	0.693	32.6	0.0000	0.0000	FLOOD RISK	2.002	17	32.5	1.092	0.859	0.6320	
30 minute winter	17	27	9.691	0.832	67.3	2.5822	0.0000	FLOOD RISK	2.003	18	49.0	1.128	0.627	1.8750	
30 minute winter	18	27	9.873	0.992	89.8	8.2407	0.0000	FLOOD RISK	2.004	19	89.2	1.223	0.708	5.4890	
30 minute winter	19	27	9.523	1.167	158.8	10.5219	0.0000	FLOOD RISK	2.005	20	156.8	1.290	0.795	4.0628	
30 minute winter	20	25	9.556	1.245	156.8	0.0000	0.0000	FLOOD RISK	2.006	21	170.9	1.928	0.864	3.4979	
30 minute winter	21	25	9.685	1.313	170.9	0.0000	0.0000	FLOOD RISK	2.007	22	156.2	1.819	0.262	3.7494	
30 minute winter	22	28	9.694	1.694	260.5	7.3583	0.0000	FLOOD RISK	2.008	23	186.3	1.077	0.577	53.3017	
30 minute winter	23	18	7.750	1.000	186.3	0.0000	0.0000	FLOOD RISK	2.009	24	53.6	0.421	0.273	0.2822	
30 minute winter	24	28	9.570	0.070	53.6	0.0000	0.0000	OK	2.010	24_OUT	53.2	3.216	0.943	0.0991	
30 minute winter	24_OUT	28	7.706	0.173	53.2	0.0000	0.0000	OK	Flow through pond	49	40.7	0.037	0.000	119.1688	
30 minute winter	25	18	8.842	0.048	3.7	0.0295	0.0000	OK	3.000	26	3.7	0.811	0.206	0.2175	
30 minute winter	26	19	8.503	0.068	7.4	0.2438	0.0000	OK	3.001	27	6.6	0.824	0.418	0.3218	
									Infiltration		0.6				
30 minute winter	27	19	8.187	0.072	10.2	0.3331	0.0000	OK	3.002	28	9.2	1.067	0.457	0.2822	
									Infiltration		0.8				
30 minute winter	28	19	7.771	0.076	12.7	0.2452	0.0000	OK	3.003	29	12.0	1.228	0.519	0.3514	
									Infiltration		0.5				
30 minute winter	29	19	7.153	0.088	15.6	0.2477	0.0000	OK	3.004	30	14.6	1.491	0.634	0.0676	
									Infiltration		0.5				
30 minute winter	30	20	6.893	0.068	15.5	0.0082	0.0000	OK	3.005	31	15.5	0.286	0.005	1.4380	
30 minute winter	31	22	6.861	0.166	18.1	0.0199	0.0000	OK	3.006	32	13.3	0.155	0.008	1.8379	
									Infiltration		1.2				

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30 minute winter	32	22	6.860	0.215	13.8	0.0258	0.0000	OK	3.007	33	11.2	0.117	0.007	1.4032
									Infiltration		1.0			
									Infiltration		1.1			
30 minute winter	33	27	6.859	0.084	11.6	0.0160	0.0000	OK	3.008	34	11.5	0.239	0.005	0.7838
30 minute winter	34	28	6.859	0.114	11.9	0.0136	0.0000	OK	3.009	35	10.3	0.342	0.004	0.9601
									Infiltration		0.8			
30 minute winter	35	27	6.858	0.183	10.8	0.0220	0.0000	OK	3.010	36	8.3	0.057	0.002	2.7393
									Infiltration		0.7			
30 minute winter	36	28	6.859	0.354	8.8	0.0403	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.2			
30 minute winter	37	19	6.514	0.009	0.7	0.0011	0.0000	OK	3.012	38	0.7	0.043	0.000	1.3882
30 minute winter	38	27	6.448	0.183	4.9	0.0220	0.0000	OK	3.013	39	-3.6	-0.101	-0.002	0.9316
									Infiltration		0.6			
									Infiltration		1.1			
30 minute winter	39	28	6.478	0.023	3.7	0.0028	0.0000	OK	3.014	40	-3.0	-0.273	-0.002	0.1597
									Infiltration		0.1			
30 minute winter	40	19	6.714	0.019	3.1	0.0023	0.0000	OK	3.015	41	-2.4	-0.244	-0.002	0.1282
									Infiltration		0.0			
30 minute winter	41	19	6.883	0.018	2.4	0.0022	0.0000	OK	3.016	42	-1.7	-0.208	-0.001	0.1063
									Infiltration		0.0			
30 minute winter	42	19	7.099	0.014	1.8	0.0017	0.0000	OK	3.017	43	-1.1	-0.136	-0.001	0.1039
									Infiltration		0.0			
30 minute winter	43	19	7.162	0.017	1.1	0.0020	0.0000	OK	3.018	44	-0.4	-0.068	0.000	0.0815
									Infiltration		0.0			
30 minute winter	44	19	7.233	0.008	0.7	0.0010	0.0000	OK	3.019	45	0.3	0.049	0.000	0.0663
30 minute winter	45	19	7.208	0.013	1.0	0.0015	0.0000	OK	3.020	46	0.9	0.127	0.000	0.0947
									Infiltration		0.0			
30 minute winter	46	19	7.140	0.015	1.6	0.0018	0.0000	OK	3.021	47	1.6	0.187	0.000	0.1177
									Infiltration		0.0			
30 minute winter	47	19	6.983	0.018	2.3	0.0021	0.0000	OK	3.022	48	2.2	0.134	0.001	0.2384
									Infiltration		0.0			
30 minute winter	48	28	6.840	0.045	2.9	0.0054	0.0000	OK	3.023	53	2.7	0.152	0.003	0.2494
									Infiltration		0.0			
30 minute winter	49	100	7.527	-0.473	122.9	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
30 minute winter	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
30 minute winter	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
30 minute winter	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
30 minute winter	53	20	6.808	0.023	3.3	0.0027	0.0000	OK	3.024	54	3.3	0.221	0.001	0.5800
									Infiltration		0.1			
30 minute winter	54	35	6.758	0.144	3.9	0.0173	0.0000	OK	3.025	54_OUT	2.6	0.059	0.001	2.2015
									Infiltration		0.2			
30 minute winter	54_OUT	35	6.770	0.285	3.3	0.0318	0.0000	OK	Infiltration		0.3			

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30 minute winter	55	18	8.499	0.053	2.0	0.0181	0.0000	OK	5.000	56	2.0	0.352	0.271	0.0959
30 minute winter	56	19	8.471	0.055	4.0	0.2020	0.0000	OK	5.001	57	3.7	0.457	0.294	0.1728
									Infiltration		0.2			
30 minute winter	57	20	8.397	0.087	5.6	0.2256	0.0000	OK	5.002	58	5.2	0.480	0.845	0.3579
									Infiltration		0.2			
30 minute winter	58	21	8.346	0.101	7.0	0.6013	0.0000	OK	5.003	59	6.1	0.549	0.818	0.2509
									Infiltration		0.4			
30 minute winter	59	32	8.311	0.105	7.7	0.5384	0.0000	OK	5.004	60	6.0	0.147	0.009	2.4777
									Infiltration		0.3			
30 minute winter	60	32	8.311	0.126	7.7	0.0428	0.0000	OK	5.005	61	2.6	0.079	0.003	4.4752
									Infiltration		0.3			
30 minute winter	61	32	8.311	0.175	4.6	0.0585	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.5			
30 minute winter	62	20	8.157	0.021	2.6	0.0071	0.0000	OK	5.007	63	1.8	0.119	0.001	1.9704
30 minute winter	63	33	7.931	0.095	4.5	0.0323	0.0000	OK	5.008	63_OUT	1.3	0.044	0.001	2.0587
									Infiltration		0.2			
30 minute winter	63_OUT	34	7.931	0.166	3.0	0.0585	0.0000	OK	Infiltration		0.2			
30 minute winter	64	31	6.237	0.052	0.9	0.0063	0.0000	OK	6.000	65	0.9	0.060	0.000	0.5089
30 minute winter	65	32	6.237	0.112	1.8	0.0179	0.0000	OK	6.001	66	0.7	0.060	0.000	0.9697
									Infiltration		0.1			
30 minute winter	66	33	6.237	0.144	1.6	0.0227	0.0000	OK	6.002	67	-0.4	0.028	0.000	0.8319
									Infiltration		0.1			
30 minute winter	67	33	6.237	0.161	0.9	0.0250	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
30 minute winter	68	18	6.087	0.011	0.9	0.0015	0.0000	OK	6.004	69	0.9	0.051	0.000	1.2599
30 minute winter	69	33	5.902	0.137	1.8	0.0220	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
30 minute winter	70	30	5.778	0.023	0.9	0.0038	0.0000	OK	6.006	71	0.9	0.071	0.000	0.3083
30 minute winter	71	32	5.778	0.093	1.8	0.0148	0.0000	OK	6.007	72	0.4	0.017	0.000	1.3464
									Infiltration		0.1			
30 minute winter	72	31	5.778	0.093	1.3	0.0148	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
30 minute winter	73	32	5.831	0.125	0.9	0.0201	0.0000	OK	6.009	74	0.6	0.040	0.000	0.4712
30 minute winter	74	33	5.831	0.125	1.4	0.0201	0.0000	OK	6.010	75	1.0	0.093	0.001	0.5343
									Infiltration		0.1			
30 minute winter	75	32	5.831	0.128	1.7	0.0202	0.0000	OK	6.011	76	1.3	0.051	0.000	0.8959
									Infiltration		0.1			
30 minute winter	76	33	5.831	0.196	2.0	0.0298	0.0000	OK	6.012	76_OUT	0.4	0.008	0.000	0.5271
									Infiltration		0.1			
30 minute winter	76_OUT	33	5.831	0.196	1.1	0.0314	0.0000	OK	Infiltration		0.1			

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Results for 2 year 60 minute summer. 360 minute analysis at 1 minute timestep. Mass balance: 84.88%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	1	65	9.517	0.217	1.8	0.0000	0.0000	FLOOD RISK	1.000	2	-1.8	-0.203	-0.081	0.4653	
60 minute summer	2	65	9.518	0.268	5.7	0.0000	0.0000	FLOOD RISK	1.001	3	-5.7	-0.209	-0.288	1.1264	
60 minute summer	3	65	9.517	0.367	6.1	0.0000	0.0000	FLOOD RISK	1.002	4	-6.1	-0.333	-0.289	0.4986	
60 minute summer	4	65	9.514	0.414	8.9	0.0000	0.0000	FLOOD RISK	1.003	5	-8.9	-0.247	-0.298	0.8441	
60 minute summer	5	65	9.516	0.516	12.4	0.0000	0.0000	FLOOD RISK	1.004	6	-12.4	-0.443	-0.332	0.1621	
60 minute summer	6	65	9.516	0.616	35.9	5.0780	0.0000	FLOOD RISK	1.005	7	35.6	1.117	0.734	0.7796	
60 minute summer	7	64	9.516	0.766	56.3	3.1207	0.0000	FLOOD RISK	1.006	8	55.7	1.125	0.793	2.4923	
60 minute summer	8	65	9.515	0.965	97.2	6.8259	0.0000	FLOOD RISK	1.007	9	95.3	1.063	0.680	5.9230	
60 minute summer	9	64	9.515	1.185	163.2	11.3322	0.0000	FLOOD RISK	1.008	10	156.7	0.963	0.661	3.1360	
60 minute summer	10	65	9.522	1.222	169.8	2.1659	0.0000	FLOOD RISK	1.009	11	160.9	1.137	1.089	47.8613	
60 minute summer	11	67	9.518	1.518	163.8	0.0000	0.0000	FLOOD RISK	1.010	12	123.7	0.799	0.429	50.3278	
60 minute summer	12	34	7.750	1.000	123.7	0.0000	0.0000	FLOOD RISK	1.011	13	1.4	0.613	0.507	0.2431	
60 minute summer	13	66	9.513	0.013	1.4	0.0000	0.0000	OK	1.012	13_OUT	1.4	1.093	0.601	0.0079	
60 minute summer	13_OUT	66	7.550	0.017	1.4	0.0000	0.0000	OK	Flow through pond	49	42.0	0.037	0.000	152.2435	
60 minute summer	14	42	9.703	0.403	9.7	0.0000	0.0000	FLOOD RISK	2.000	15	-9.7	-0.311	-0.321	0.8138	
60 minute summer	15	42	9.686	0.600	43.0	4.7572	0.0000	FLOOD RISK	2.001	16	-30.8	1.042	-0.635	0.9254	
60 minute summer	16	42	9.673	0.662	52.8	0.0000	0.0000	FLOOD RISK	2.002	17	-36.0	1.046	-0.730	0.6320	
60 minute summer	17	42	9.683	0.804	41.2	2.4950	0.0000	FLOOD RISK	2.003	18	40.9	1.068	0.523	1.6750	
60 minute summer	18	42	9.674	0.993	94.2	6.2456	0.0000	FLOOD RISK	2.004	19	74.5	1.158	0.592	5.4890	
60 minute summer	19	41	9.685	1.229	132.2	11.0789	0.0000	FLOOD RISK	2.005	20	131.3	1.231	0.866	4.0628	
60 minute summer	20	41	9.672	1.251	131.3	0.0000	0.0000	FLOOD RISK	2.006	21	138.6	1.783	0.709	3.4979	
60 minute summer	21	41	9.633	1.261	138.6	0.0000	0.0000	FLOOD RISK	2.007	22	134.5	1.707	0.225	3.7404	
60 minute summer	22	41	9.628	1.826	170.4	7.0614	0.0000	FLOOD RISK	2.008	23	119.7	0.855	0.418	53.3017	
60 minute summer	23	31	7.750	1.000	119.7	0.0000	0.0000	FLOOD RISK	2.009	24	54.2	0.425	0.276	0.2823	
60 minute summer	24	43	8.570	0.070	54.2	0.0000	0.0000	OK	2.010	24_OUT	54.7	3.286	0.944	0.1003	
60 minute summer	24_OUT	43	7.711	0.177	54.7	0.0000	0.0000	OK	Flow through pond	49	42.0	0.037	0.000	152.2435	
60 minute summer	25	33	8.838	0.042	3.1	0.0269	0.0000	OK	3.000	26	3.1	0.584	0.172	0.1904	
60 minute summer	26	34	8.496	0.061	8.2	0.2021	0.0000	OK	3.001	27	5.5	0.787	0.347	0.2798	
									Infiltration		0.5				
60 minute summer	27	34	8.160	0.085	8.5	0.2734	0.0000	OK	3.002	28	7.7	1.019	0.380	0.2453	
									Infiltration		0.7				
60 minute summer	28	34	7.763	0.058	10.8	0.2026	0.0000	OK	3.003	29	10.0	1.178	0.423	0.3041	
									Infiltration		0.5				
60 minute summer	29	34	7.143	0.078	12.9	0.2059	0.0000	OK	3.004	30	12.3	1.432	0.444	0.0585	
									Infiltration		0.4				
60 minute summer	30	35	6.886	0.051	12.9	0.0073	0.0000	OK	3.005	31	12.9	0.210	0.005	1.3180	
60 minute summer	31	37	6.851	0.156	13.4	0.0187	0.0000	OK	3.006	32	11.0	0.119	0.006	1.7189	
									Infiltration		1.1				

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60 minute summer	32	37	6.850	0.205	11.5	0.0046	0.0000	OK	3.007	33	8.9	0.102	0.006	1.2876	
									Infiltration		1.0				
									Infiltration		1.1				
60 minute summer	33	37	6.846	0.071	9.3	0.0085	0.0000	OK	3.008	34	9.6	0.276	0.007	0.8581	
60 minute summer	34	43	6.845	0.100	9.9	0.0119	0.0000	OK	3.009	35	8.7	0.299	0.004	0.8462	
									Infiltration		0.8				
60 minute summer	35	42	6.843	0.168	9.1	0.0202	0.0000	OK	3.010	36	5.7	0.079	0.002	2.5515	
									Infiltration		0.7				
60 minute summer	36	43	6.845	0.340	8.2	0.0388	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		1.2				
60 minute summer	37	34	6.513	0.008	0.8	0.0010	0.0000	OK	3.012	38	0.6	0.043	0.000	1.3542	
60 minute summer	38	42	6.444	0.179	4.2	0.0214	0.0000	OK	3.013	39	-3.0	-0.075	-0.002	0.9025	
									Infiltration		0.6				
									Infiltration		1.6				
60 minute summer	39	35	6.476	0.021	3.1	0.0025	0.0000	OK	3.014	40	-2.5	-0.257	-0.002	0.1359	
									Infiltration		0.1				
60 minute summer	40	34	6.712	0.017	2.5	0.0021	0.0000	OK	3.015	41	-2.0	-0.230	-0.001	0.1140	
									Infiltration		0.0				
60 minute summer	41	34	6.881	0.016	2.1	0.0020	0.0000	OK	3.016	42	-1.5	-0.196	-0.001	0.0961	
									Infiltration		0.0				
60 minute summer	42	34	7.097	0.012	1.5	0.0015	0.0000	OK	3.017	43	-0.9	-0.128	-0.001	0.0841	
									Infiltration		0.0				
60 minute summer	43	34	7.160	0.015	1.9	0.0018	0.0000	OK	3.018	44	-0.4	-0.064	0.000	0.0740	
									Infiltration		0.0				
60 minute summer	44	34	7.232	0.007	0.8	0.0009	0.0000	OK	3.019	45	0.2	0.046	0.000	0.0601	
60 minute summer	45	34	7.207	0.012	0.8	0.0015	0.0000	OK	3.020	46	0.8	0.120	0.000	0.0857	
									Infiltration		0.0				
60 minute summer	46	34	7.138	0.013	1.4	0.0016	0.0000	OK	3.021	47	1.3	0.175	0.000	0.1084	
									Infiltration		0.0				
60 minute summer	47	34	6.981	0.016	1.9	0.0019	0.0000	OK	3.022	48	1.9	0.125	0.001	0.2172	
									Infiltration		0.0				
60 minute summer	48	35	6.836	0.041	2.5	0.0049	0.0000	OK	3.023	53	2.3	0.141	0.003	0.2268	
									Infiltration		0.0				
60 minute summer	49	172	7.534	-0.466	102.5	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
60 minute summer	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
60 minute summer	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
60 minute summer	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
60 minute summer	53	35	6.808	0.021	2.8	0.0025	0.0000	OK	3.024	54	2.7	0.170	0.001	0.7599	
									Infiltration		0.1				
60 minute summer	54	62	6.784	0.159	3.2	0.0191	0.0000	OK	3.025	54_OUT	1.6	0.037	0.001	2.4079	
									Infiltration		0.2				
60 minute summer	54_OUT	63	6.784	0.279	2.0	0.0335	0.0000	OK	Infiltration		0.3				

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60 minute summer	55	32	8.493	0.047	1.6	0.0181	0.0000	OK	5.000	56	1.6	0.334	0.217	0.0820
60 minute summer	56	34	8.485	0.049	3.2	0.1739	0.0000	OK	5.001	57	3.0	0.432	0.237	0.1471
									Infiltration		0.2			
60 minute summer	57	35	8.386	0.076	4.8	0.1787	0.0000	OK	5.002	58	4.2	0.433	0.524	0.3069
									Infiltration		0.2			
60 minute summer	58	36	8.334	0.089	5.8	0.4980	0.0000	OK	5.003	59	4.8	0.509	0.862	0.2245
									Infiltration		0.4			
60 minute summer	59	52	8.307	0.102	6.2	0.5148	0.0000	OK	5.004	60	4.5	0.115	0.008	2.3773
									Infiltration		0.3			
60 minute summer	60	51	8.307	0.122	5.9	0.0415	0.0000	OK	5.005	61	1.7	0.058	0.002	4.3335
									Infiltration		0.3			
60 minute summer	61	51	8.307	0.171	3.2	0.0582	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.5			
60 minute summer	62	35	8.155	0.019	1.6	0.0063	0.0000	OK	5.007	63	1.5	0.067	0.001	2.0127
60 minute summer	63	62	7.934	0.098	3.5	0.0335	0.0000	OK	5.008	63_OUT	0.8	0.028	0.000	2.1257
									Infiltration		0.2			
60 minute summer	63_OUT	61	7.835	0.170	1.7	0.0577	0.0000	OK	Infiltration		0.2			
60 minute summer	64	61	6.240	0.055	0.8	0.0058	0.0000	OK	5.000	65	0.8	0.055	0.000	0.5293
60 minute summer	65	61	6.240	0.115	1.6	0.0184	0.0000	OK	5.001	66	-0.5	0.050	0.000	0.9976
									Infiltration		0.1			
60 minute summer	66	61	6.240	0.147	1.2	0.0232	0.0000	OK	5.002	67	-0.4	0.023	0.000	0.8463
									Infiltration		0.1			
60 minute summer	67	61	6.240	0.184	0.8	0.0254	0.0000	OK	5.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
60 minute summer	68	33	6.086	0.010	0.8	0.0015	0.0000	OK	5.004	69	0.8	0.041	0.000	1.3338
60 minute summer	69	62	5.909	0.144	1.6	0.0231	0.0000	OK	5.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
60 minute summer	70	61	5.777	0.022	0.8	0.0035	0.0000	OK	5.006	71	0.8	0.054	0.000	0.3037
60 minute summer	71	61	5.777	0.092	1.6	0.0147	0.0000	OK	5.007	72	0.3	0.011	0.000	1.3395
									Infiltration		0.1			
60 minute summer	72	60	5.777	0.092	1.1	0.0147	0.0000	OK	5.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
60 minute summer	73	61	5.838	0.133	0.8	0.0213	0.0000	OK	5.009	74	0.3	0.026	0.000	0.5038
60 minute summer	74	61	5.838	0.133	1.1	0.0213	0.0000	OK	5.010	75	0.4	0.060	0.000	0.5706
									Infiltration		0.1			
60 minute summer	75	61	5.838	0.133	1.0	0.0213	0.0000	OK	5.011	76	0.6	0.039	0.000	0.7345
									Infiltration		0.1			
60 minute summer	76	61	5.838	0.203	1.1	0.0309	0.0000	OK	5.012	76_OUT	-0.2	0.008	0.000	0.5656
									Infiltration		0.1			
60 minute summer	76_OUT	61	5.838	0.203	0.8	0.0325	0.0000	OK	Infiltration		0.1			

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Results for 2 year 60 minute winter. 360 minute analysis at 1 minute timestep. Mass balance: 88.87%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	1	52	9.630	0.330	2.9	0.0000	0.0000	FLOOD RISK	1.000	2	-2.9	-0.296	-0.131	0.4653	
60 minute winter	2	52	9.638	0.388	11.1	0.0000	0.0000	FLOOD RISK	1.001	3	-11.1	-0.388	-0.556	1.1254	
60 minute winter	3	52	9.626	0.476	12.6	0.0000	0.0000	FLOOD RISK	1.002	4	-12.6	-0.569	-0.598	0.4986	
60 minute winter	4	51	9.629	0.529	15.0	0.0000	0.0000	FLOOD RISK	1.003	5	-15.0	-0.479	-0.652	0.8441	
60 minute winter	5	51	9.631	0.631	16.4	0.0000	0.0000	FLOOD RISK	1.004	6	-16.4	-0.525	-0.439	0.1621	
60 minute winter	6	51	9.630	0.730	32.4	6.0176	0.0000	FLOOD RISK	1.005	7	28.9	1.049	0.596	0.7796	
60 minute winter	7	51	9.625	0.875	60.0	3.5671	0.0000	FLOOD RISK	1.006	8	45.5	1.062	0.648	2.4923	
60 minute winter	8	50	9.620	1.070	79.1	7.3429	0.0000	FLOOD RISK	1.007	9	78.4	1.041	0.725	5.9230	
60 minute winter	9	50	9.615	1.265	133.6	12.2993	0.0000	FLOOD RISK	1.008	10	131.2	0.888	0.553	3.1360	
60 minute winter	10	50	9.642	1.342	141.4	2.3786	0.0000	FLOOD RISK	1.009	11	148.0	1.083	1.002	47.5613	
60 minute winter	11	52	9.622	1.622	159.1	0.0000	0.0000	FLOOD RISK	1.010	12	111.5	0.861	0.387	53.3278	
60 minute winter	12	32	7.750	1.000	111.5	0.0000	0.0000	FLOOD RISK	1.011	13	34.4	0.277	0.175	0.2565	
60 minute winter	13	53	9.557	0.057	34.4	0.0000	0.0000	OK	1.012	13_OUT	34.1	2.808	0.028	0.0727	
60 minute winter	13_OUT	53	7.661	0.128	34.1	0.0000	0.0000	OK	Flow through pond	49	74.6	0.058	0.000	208.3816	
60 minute winter	14	40	9.800	0.500	4.2	0.0000	0.0000	FLOOD RISK	2.000	15	-4.2	-0.169	-0.139	0.8136	
60 minute winter	15	40	9.800	0.714	51.1	5.8283	0.0000	FLOOD RISK	2.001	16	-33.9	0.989	-0.699	0.9254	
60 minute winter	16	41	9.800	0.809	61.5	0.0000	0.0000	FLOOD RISK	2.002	17	-41.1	0.994	-0.834	0.5329	
60 minute winter	17	41	9.799	0.940	33.5	2.9163	0.0000	FLOOD RISK	2.003	18	33.4	1.005	0.427	1.5750	
60 minute winter	18	41	9.798	1.117	88.5	7.0275	0.0000	FLOOD RISK	2.004	19	86.5	1.085	0.480	5.4690	
60 minute winter	19	41	9.799	1.343	107.9	12.1096	0.0000	FLOOD RISK	2.005	20	107.6	1.157	0.546	4.0628	
60 minute winter	20	40	9.784	1.373	107.6	0.0000	0.0000	FLOOD RISK	2.006	21	112.6	1.702	0.569	3.4979	
60 minute winter	21	41	9.769	1.397	112.6	0.0000	0.0000	FLOOD RISK	2.007	22	108.3	1.568	0.152	3.7404	
60 minute winter	22	41	9.752	1.752	138.9	7.5096	0.0000	FLOOD RISK	2.008	23	103.3	0.920	0.356	53.3617	
60 minute winter	23	29	7.750	1.000	103.3	0.0000	0.0000	FLOOD RISK	2.009	24	85.8	0.651	0.437	0.2702	
60 minute winter	24	42	9.588	0.088	85.8	0.0000	0.0000	OK	2.010	24_OUT	86.1	3.728	0.070	0.1382	
60 minute winter	24_OUT	42	7.772	0.239	86.1	0.0000	0.0000	OK	Flow through pond	49	74.6	0.058	0.000	208.3816	
60 minute winter	25	34	8.834	0.038	2.5	0.0242	0.0000	OK	3.000	26	2.5	0.548	0.139	0.1648	
60 minute winter	26	34	8.490	0.055	5.0	0.1675	0.0000	OK	3.001	27	4.5	0.746	0.286	0.2429	
									Infiltration		0.4				
60 minute winter	27	34	8.173	0.058	7.0	0.2262	0.0000	OK	3.002	28	6.4	0.969	0.316	0.2145	
									Infiltration		0.6				
60 minute winter	28	35	7.757	0.082	8.9	0.1711	0.0000	OK	3.003	29	8.4	1.129	0.356	0.2669	
									Infiltration		0.4				
60 minute winter	29	35	7.135	0.070	10.9	0.1681	0.0000	OK	3.004	30	10.5	1.379	0.376	0.0515	
									Infiltration		0.4				
60 minute winter	30	35	6.880	0.055	10.9	0.0067	0.0000	OK	3.005	31	10.9	0.188	0.005	1.2547	
60 minute winter	31	45	6.858	0.151	11.3	0.0193	0.0000	OK	3.006	32	9.8	0.128	0.006	1.7830	
									Infiltration		1.2				

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60 minute winter	32	45	6.856	0.211	10.2	0.0253	0.0000	OK	3.007	33	8.2	0.097	0.005	1.3690
									Infiltration		1.0			
									Infiltration		1.1			
60 minute winter	33	45	6.856	0.051	8.6	0.0097	0.0000	OK	3.008	34	8.6	0.261	0.006	0.7534
60 minute winter	34	46	6.855	0.110	9.0	0.0132	0.0000	OK	3.009	35	7.4	0.297	0.003	0.9363
									Infiltration		0.8			
60 minute winter	35	45	6.855	0.181	7.8	0.0217	0.0000	OK	3.010	36	6.0	0.071	0.002	2.6934
									Infiltration		0.7			
60 minute winter	36	45	6.855	0.350	6.4	0.0399	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.2			
60 minute winter	37	34	6.512	0.007	0.5	0.0009	0.0000	OK	3.012	38	0.5	0.043	0.000	1.3701
60 minute winter	38	44	6.445	0.150	3.5	0.0215	0.0000	OK	3.013	39	-2.5	-0.075	-0.002	0.9128
									Infiltration		0.8			
									Infiltration		1.0			
60 minute winter	39	34	6.474	0.019	2.6	0.0022	0.0000	OK	3.014	40	-2.1	-0.241	-0.001	0.1220
									Infiltration		0.0			
60 minute winter	40	34	6.711	0.016	2.2	0.0019	0.0000	OK	3.015	41	-1.7	-0.215	-0.001	0.1024
									Infiltration		0.0			
60 minute winter	41	34	6.880	0.015	1.7	0.0018	0.0000	OK	3.016	42	-1.3	-0.183	-0.001	0.0862
									Infiltration		0.0			
60 minute winter	42	34	7.096	0.011	1.3	0.0013	0.0000	OK	3.017	43	-0.8	-0.119	-0.001	0.0643
									Infiltration		0.0			
60 minute winter	43	34	7.159	0.014	0.8	0.0015	0.0000	OK	3.018	44	-0.3	-0.059	0.000	0.0662
									Infiltration		0.0			
60 minute winter	44	34	7.232	0.007	0.5	0.0005	0.0000	OK	3.019	45	0.2	0.043	0.000	0.0528
60 minute winter	45	34	7.295	0.011	0.7	0.0013	0.0000	OK	3.020	46	0.7	0.112	0.000	0.0767
									Infiltration		0.0			
60 minute winter	46	34	7.137	0.012	1.2	0.0014	0.0000	OK	3.021	47	1.1	0.163	0.000	0.0953
									Infiltration		0.0			
60 minute winter	47	34	6.980	0.015	1.6	0.0017	0.0000	OK	3.022	48	1.6	0.115	0.000	0.1968
									Infiltration		0.0			
60 minute winter	48	35	6.833	0.038	2.1	0.0045	0.0000	OK	3.023	53	1.9	0.131	0.002	0.2080
									Infiltration		0.0			
60 minute winter	49	66	7.541	-0.459	108.3	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
60 minute winter	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
60 minute winter	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
60 minute winter	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
60 minute winter	53	35	6.804	0.019	2.4	0.0022	0.0000	OK	3.024	54	2.3	0.170	0.001	0.8234
									Infiltration		0.1			
60 minute winter	54	61	6.794	0.169	2.8	0.0203	0.0000	OK	3.025	54_OUT	1.5	0.037	0.001	2.5436
									Infiltration		0.2			
60 minute winter	54_OUT	60	6.794	0.259	2.0	0.0347	0.0000	OK	Infiltration		0.3			

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60 minute winter	55	31	8.488	0.042	1.3	0.0144	0.0000	OK	5.000	56	1.3	0.313	0.176	0.0705
60 minute winter	56	35	8.460	0.044	2.6	0.1503	0.0000	OK	5.001	57	2.4	0.403	0.193	0.1289
									Infiltration		0.2			
60 minute winter	57	35	8.379	0.069	3.7	0.1482	0.0000	OK	5.002	58	3.5	0.404	0.439	0.2747
									Infiltration		0.2			
60 minute winter	58	36	8.327	0.082	4.8	0.4377	0.0000	OK	5.003	59	4.3	0.474	0.578	0.2621
									Infiltration		0.4			
60 minute winter	59	54	8.321	0.116	5.5	0.6009	0.0000	OK	5.004	60	3.7	0.111	0.008	2.7378
									Infiltration		0.3			
60 minute winter	60	55	8.321	0.136	5.0	0.0463	0.0000	OK	5.005	61	1.7	0.062	0.002	4.8503
									Infiltration		0.3			
60 minute winter	61	55	8.321	0.155	2.8	0.0630	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.5			
60 minute winter	62	35	8.153	0.017	1.3	0.0056	0.0000	OK	5.007	63	1.3	0.090	0.001	2.3650
60 minute winter	63	61	7.947	0.111	3.0	0.0377	0.0000	OK	5.008	63_OUT	0.9	0.031	0.001	2.3644
									Infiltration		0.2			
60 minute winter	63_OUT	60	7.947	0.182	1.8	0.0618	0.0000	OK	Infiltration		0.3			
60 minute winter	64	60	6.253	0.068	0.6	0.0108	0.0000	OK	6.000	65	0.6	0.062	0.000	0.6188
60 minute winter	65	60	6.253	0.128	1.2	0.0204	0.0000	OK	6.001	66	0.4	0.050	0.000	1.1156
									Infiltration		0.1			
60 minute winter	66	60	6.253	0.160	1.0	0.0252	0.0000	OK	6.002	67	-0.3	0.023	0.000	0.7132
									Infiltration		0.1			
60 minute winter	67	60	6.253	0.177	0.6	0.0274	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
60 minute winter	68	36	6.084	0.008	0.6	0.0013	0.0000	OK	6.004	69	0.6	0.041	0.000	1.4674
60 minute winter	69	61	5.923	0.158	1.2	0.0252	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
60 minute winter	70	60	5.786	0.031	0.6	0.0050	0.0000	OK	6.006	71	0.6	0.064	0.000	0.3565
60 minute winter	71	60	5.786	0.101	1.2	0.0162	0.0000	OK	6.007	72	0.3	0.011	0.000	1.4979
									Infiltration		0.1			
60 minute winter	72	59	5.786	0.101	0.9	0.0162	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
60 minute winter	73	60	5.854	0.149	0.6	0.0236	0.0000	OK	6.009	74	0.3	0.028	0.000	0.5770
60 minute winter	74	60	5.854	0.149	0.9	0.0236	0.0000	OK	6.010	75	0.5	0.068	0.000	0.6534
									Infiltration		0.1			
60 minute winter	75	60	5.854	0.149	0.9	0.0236	0.0000	OK	6.011	76	0.7	0.039	0.000	0.8205
									Infiltration		0.1			
60 minute winter	76	60	5.854	0.219	1.0	0.0332	0.0000	OK	6.012	76_OUT	0.2	0.006	0.000	0.9530
									Infiltration		0.1			
60 minute winter	76_OUT	60	5.854	0.219	0.6	0.0350	0.0000	OK	Infiltration		0.1			

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Results for 2 year 120 minute summer. 360 minute analysis at 3 minute timestep. Mass balance: 88.82%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	1	76	9.734	0.434	6.9	0.0000	0.0000	FLOOD RISK	1.000	2	-6.9	-0.220	-0.315	0.4653	
120 minute summer	2	78	9.736	0.486	9.5	0.0000	0.0000	FLOOD RISK	1.001	3	-9.5	-0.304	-0.479	1.1264	
120 minute summer	3	76	9.724	0.574	15.5	0.0000	0.0000	FLOOD RISK	1.002	4	-15.5	-0.494	-0.732	0.4986	
120 minute summer	4	78	9.714	0.614	19.5	0.0000	0.0000	FLOOD RISK	1.003	5	-19.5	-0.622	-0.845	0.8441	
120 minute summer	5	76	9.711	0.711	24.1	0.0000	0.0000	FLOOD RISK	1.004	6	-24.1	-0.770	-0.844	0.1521	
120 minute summer	6	76	9.712	0.812	57.8	5.6957	0.0000	FLOOD RISK	1.005	7	-40.1	1.025	-0.828	0.7798	
120 minute summer	7	76	9.709	0.959	41.4	3.9098	0.0000	FLOOD RISK	1.006	8	41.3	1.030	0.588	2.4923	
120 minute summer	8	76	9.699	1.149	100.9	7.8599	0.0000	FLOOD RISK	1.007	9	71.5	1.045	0.681	5.9230	
120 minute summer	9	76	9.687	1.337	121.4	13.0998	0.0000	FLOOD RISK	1.008	10	129.2	0.903	0.507	3.1369	
120 minute summer	10	76	9.714	1.414	129.6	2.5079	0.0000	FLOOD RISK	1.009	11	125.7	0.984	0.850	47.8613	
120 minute summer	11	76	9.668	1.668	128.9	0.0000	0.0000	FLOOD RISK	1.010	12	64.1	0.692	0.223	53.3278	
120 minute summer	12	56	7.750	1.000	64.1	0.0000	0.0000	FLOOD RISK	1.011	13	55.5	0.434	0.282	0.2825	
120 minute summer	13	78	9.571	0.071	55.5	0.0000	0.0000	OK	1.012	13_OUT	55.7	3.274	0.045	0.1019	
120 minute summer	13_OUT	78	7.712	0.179	55.7	0.0000	0.0000	OK	Flow through pond	49	113.3	0.063	0.000	330.1351	
120 minute summer	14	58	9.800	0.500	3.8	0.0000	0.0000	FLOOD RISK	2.000	15	-3.8	-0.121	-0.125	0.8138	
120 minute summer	15	58	9.800	0.714	40.8	6.1294	0.0000	FLOOD RISK	2.001	16	-21.7	0.957	-0.447	0.9254	
120 minute summer	16	68	9.800	0.809	21.9	0.0000	0.0000	FLOOD RISK	2.002	17	-21.9	0.955	-0.444	0.6329	
120 minute summer	17	68	9.800	0.941	29.6	3.0538	0.0000	FLOOD RISK	2.003	18	28.9	0.959	0.389	1.8750	
120 minute summer	18	68	9.800	1.119	53.8	7.3138	0.0000	FLOOD RISK	2.004	19	45.7	0.995	0.383	5.4880	
120 minute summer	19	58	9.800	1.344	84.9	12.4286	0.0000	FLOOD RISK	2.005	20	83.0	1.078	0.421	4.0528	
120 minute summer	20	70	9.800	1.389	83.0	0.0000	0.0000	FLOOD RISK	2.006	21	78.8	1.398	0.398	3.4979	
120 minute summer	21	70	9.800	1.428	78.8	0.0000	0.0000	FLOOD RISK	2.007	22	82.6	1.362	0.139	3.7404	
120 minute summer	22	70	9.793	1.793	167.9	7.7568	0.0000	FLOOD RISK	2.008	23	94.7	0.742	0.329	53.3017	
120 minute summer	23	52	7.750	1.000	94.7	0.0000	0.0000	FLOOD RISK	2.009	24	94.7	0.714	0.483	0.2723	
120 minute summer	24	70	9.592	0.092	94.7	0.0000	0.0000	OK	2.010	24_OUT	94.8	3.830	0.077	0.1481	
120 minute summer	24_OUT	70	7.788	0.255	94.8	0.0000	0.0000	OK	Flow through pond	49	113.3	0.063	0.000	330.1351	
120 minute summer	25	64	8.802	0.038	2.3	0.0232	0.0000	OK	3.000	26	2.3	0.534	0.128	0.1548	
120 minute summer	26	64	8.487	0.652	4.6	0.1538	0.0000	OK	3.001	27	4.1	0.730	0.281	0.2264	
									Infiltration		0.4				
120 minute summer	27	64	8.170	0.655	5.4	0.2050	0.0000	OK	3.002	28	5.8	0.944	0.285	0.1991	
									Infiltration		0.5				
120 minute summer	28	64	7.753	0.658	8.1	0.1548	0.0000	OK	3.003	29	7.6	1.101	0.320	0.2463	
									Infiltration		0.4				
120 minute summer	29	64	7.131	0.066	9.9	0.1508	0.0000	OK	3.004	30	9.4	1.344	0.338	0.0475	
									Infiltration		0.3				
120 minute summer	30	56	6.877	0.052	9.8	0.0063	0.0000	OK	3.005	31	9.8	0.172	0.004	1.1905	
120 minute summer	31	76	6.844	0.149	10.2	0.0179	0.0000	OK	3.006	32	8.7	0.097	0.005	1.6412	
									Infiltration		1.1				

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120 minute summer	32	76	6.844	0.198	9.1	0.0239	0.0000	OK	3.007	33	7.2	0.089	0.005	1.2399
									Infiltration		0.9			
									Infiltration		1.1			
120 minute summer	33	76	6.844	0.089	7.5	0.0382	0.0000	OK	3.008	34	7.5	0.245	0.005	0.6464
120 minute summer	34	76	6.843	0.098	7.9	0.0116	0.0000	OK	3.009	35	6.4	0.251	0.003	0.8405
									Infiltration		0.7			
120 minute summer	35	76	6.843	0.168	6.8	0.0201	0.0000	OK	3.010	36	5.1	0.082	0.002	2.5352
									Infiltration		0.7			
120 minute summer	36	76	6.843	0.338	5.5	0.0386	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.2			
120 minute summer	37	66	6.512	0.007	0.4	0.0008	0.0000	OK	3.012	38	0.4	0.040	0.000	1.2567
120 minute summer	38	74	6.433	0.166	2.9	0.0202	0.0000	OK	3.013	39	-2.1	-0.075	-0.001	0.8372
									Infiltration		0.7			
									Infiltration		1.0			
120 minute summer	39	66	6.472	0.017	2.2	0.0029	0.0000	OK	3.014	40	-1.8	-0.224	-0.001	0.1089
									Infiltration		0.0			
120 minute summer	40	66	6.709	0.014	1.8	0.0017	0.0000	OK	3.015	41	-1.4	-0.199	-0.001	0.0910
									Infiltration		0.0			
120 minute summer	41	66	6.878	0.013	1.4	0.0018	0.0000	OK	3.016	42	-1.0	-0.169	-0.001	0.0764
									Infiltration		0.0			
120 minute summer	42	66	7.095	0.010	1.0	0.0012	0.0000	OK	3.017	43	-0.6	-0.119	0.000	0.0748
									Infiltration		0.0			
120 minute summer	43	66	7.157	0.012	0.8	0.0015	0.0000	OK	3.018	44	-0.2	-0.054	0.000	0.0584
									Infiltration		0.0			
120 minute summer	44	66	7.231	0.008	0.4	0.0007	0.0000	OK	3.019	45	0.2	0.040	0.000	0.0473
120 minute summer	45	66	7.265	0.010	0.6	0.0012	0.0000	OK	3.020	46	0.5	0.103	0.000	0.0678
									Infiltration		0.0			
120 minute summer	46	66	7.135	0.011	0.9	0.0013	0.0000	OK	3.021	47	0.9	0.151	0.000	0.0845
									Infiltration		0.0			
120 minute summer	47	66	6.978	0.013	1.3	0.0018	0.0000	OK	3.022	48	1.3	0.104	0.000	0.1784
									Infiltration		0.0			
120 minute summer	48	66	6.830	0.035	1.7	0.0041	0.0000	OK	3.023	53	1.6	0.121	0.002	0.1868
									Infiltration		0.0			
120 minute summer	49	144	7.556	-0.444	130.1	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
120 minute summer	50	2	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
120 minute summer	51	2	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
120 minute summer	52	2	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
120 minute summer	53	66	6.802	0.017	2.0	0.0020	0.0000	OK	3.024	54	2.0	0.132	0.001	0.8758
									Infiltration		0.0			
120 minute summer	54	104	6.799	0.174	2.4	0.0208	0.0000	OK	3.025	54_OUT	0.9	0.037	0.000	2.6248
									Infiltration		0.2			
120 minute summer	54_OUT	104	6.799	0.294	1.3	0.0353	0.0000	OK	Infiltration		0.3			

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120 minute summer	55	84	8.487	0.041	1.2	0.0138	0.0000	OK	5.006	56	1.2	0.305	0.163	0.0863
120 minute summer	56	84	8.456	0.042	2.4	0.1398	0.0000	OK	5.001	57	2.2	0.392	0.175	0.1187
									Infiltration		0.2			
120 minute summer	57	96	8.375	0.085	3.4	0.1325	0.0000	OK	5.002	58	3.2	0.395	0.393	0.2512
									Infiltration		0.2			
120 minute summer	58	86	8.322	0.077	4.3	0.3992	0.0000	OK	5.003	59	3.8	0.434	0.509	0.2657
									Infiltration		0.4			
120 minute summer	59	86	8.322	0.117	4.9	0.6084	0.0000	OK	5.004	60	3.0	0.082	0.004	2.7705
									Infiltration		0.3			
120 minute summer	60	86	8.322	0.137	4.1	0.0467	0.0000	OK	5.005	61	1.1	0.038	0.001	4.8962
									Infiltration		0.3			
120 minute summer	61	86	8.322	0.186	2.2	0.0634	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.5			
120 minute summer	62	86	8.152	0.016	1.2	0.0054	0.0000	OK	5.007	63	1.1	0.061	0.001	2.4585
120 minute summer	63	100	7.963	0.117	2.4	0.0399	0.0000	OK	5.008	63_OUT	0.4	0.019	0.000	2.4955
									Infiltration		0.2			
120 minute summer	63_OUT	100	7.953	0.186	1.2	0.0540	0.0000	OK	Infiltration		0.3			
120 minute summer	64	120	6.270	0.085	0.6	0.0137	0.0000	OK	6.000	65	0.4	0.054	0.000	0.7499
120 minute summer	65	120	6.270	0.145	0.9	0.0232	0.0000	OK	6.001	66	0.2	0.048	0.000	1.2873
									Infiltration		0.1			
120 minute summer	66	120	6.270	0.177	0.9	0.0280	0.0000	OK	6.002	67	-0.3	0.023	0.000	0.8093
									Infiltration		0.1			
120 minute summer	67	120	6.270	0.194	0.6	0.0301	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
120 minute summer	68	84	8.084	0.008	0.6	0.0013	0.0000	OK	6.004	69	0.5	0.040	0.000	1.7553
120 minute summer	69	120	5.945	0.160	1.2	0.0288	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
120 minute summer	70	120	5.793	0.036	0.6	0.0061	0.0000	OK	6.006	71	0.6	0.049	0.000	0.3980
120 minute summer	71	120	5.793	0.106	1.2	0.0173	0.0000	OK	6.007	72	0.3	0.011	0.000	1.8205
									Infiltration		0.1			
120 minute summer	72	116	5.793	0.108	0.9	0.0173	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
120 minute summer	73	120	5.883	0.176	0.6	0.0284	0.0000	OK	6.009	74	0.2	0.018	0.000	0.7208
120 minute summer	74	120	5.883	0.176	0.8	0.0284	0.0000	OK	6.010	75	0.2	0.043	0.000	0.8164
									Infiltration		0.1			
120 minute summer	75	120	5.883	0.178	0.8	0.0284	0.0000	OK	6.011	76	0.3	0.038	0.000	0.9898
									Infiltration		0.1			
120 minute summer	76	120	5.883	0.248	0.8	0.0377	0.0000	OK	6.012	76_OUT	-0.1	0.008	0.000	1.1235
									Infiltration		0.1			
120 minute summer	76_OUT	120	5.883	0.248	0.6	0.0398	0.0000	OK	Infiltration		0.1			

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Results for 2 year 120 minute winter. 360 minute analysis at 3 minute timestep. Mass balance: 99.87%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	1	74	9.800	0.500	5.3	0.0000	0.0000	FLOOD RISK	1.000	2	-5.3	-0.170	-0.242	0.4653	
120 minute winter	2	74	9.800	0.550	13.4	0.0000	0.0000	FLOOD RISK	1.001	3	-13.4	-0.429	-0.875	1.1264	
120 minute winter	3	76	9.800	0.650	17.7	0.0000	0.0000	FLOOD RISK	1.002	4	-17.7	-0.586	-0.835	0.4986	
120 minute winter	4	76	9.800	0.700	20.4	0.0000	0.0000	FLOOD RISK	1.003	5	-20.4	-0.651	-0.585	0.8441	
120 minute winter	5	76	9.800	0.800	22.8	0.0000	0.0000	FLOOD RISK	1.004	6	-22.8	-0.825	-0.510	0.1621	
120 minute winter	6	76	9.800	0.900	57.8	7.5268	0.0000	FLOOD RISK	1.005	7	-38.6	0.960	-0.796	0.7796	
120 minute winter	7	76	9.800	1.050	45.5	4.3050	0.0000	FLOOD RISK	1.006	8	-34.6	0.955	-0.492	2.4923	
120 minute winter	8	76	9.796	1.246	61.1	8.5523	0.0000	FLOOD RISK	1.007	9	55.5	0.998	0.513	5.9230	
120 minute winter	9	76	9.785	1.435	94.0	13.9498	0.0000	FLOOD RISK	1.008	10	92.3	0.868	0.389	3.1360	
120 minute winter	10	76	9.775	1.475	99.6	2.6159	0.0000	FLOOD RISK	1.009	11	96.6	0.928	0.555	47.8613	
120 minute winter	11	76	9.701	1.701	103.9	0.0000	0.0000	FLOOD RISK	1.010	12	71.6	0.745	0.249	53.3278	
120 minute winter	12	52	7.750	1.000	71.8	0.0000	0.0000	FLOOD RISK	1.011	13	71.8	0.551	0.365	0.2666	
120 minute winter	13	76	9.581	0.081	71.8	0.0000	0.0000	OK	1.012	13_OUT	71.6	3.525	0.058	0.1217	
120 minute winter	13_OUT	76	7.745	0.211	71.6	0.0000	0.0000	OK	Flow through pond	49	161.6	0.070	0.000	408.0414	
120 minute winter	14	68	9.800	0.500	3.5	0.0000	0.0000	FLOOD RISK	2.000	15	-3.5	-0.114	-0.118	0.5138	
120 minute winter	15	66	9.800	0.714	25.9	5.9594	0.0000	FLOOD RISK	2.001	16	14.9	0.890	0.308	0.9254	
120 minute winter	16	66	9.800	0.809	35.7	0.0000	0.0000	FLOOD RISK	2.002	17	-35.7	0.892	-0.734	0.6320	
120 minute winter	17	66	9.800	0.941	22.9	2.9927	0.0000	FLOOD RISK	2.003	18	20.7	0.879	0.303	1.8750	
120 minute winter	18	68	9.800	1.119	77.0	7.1244	0.0000	FLOOD RISK	2.004	19	40.9	0.932	0.325	5.4890	
120 minute winter	19	68	9.800	1.344	71.9	12.1402	0.0000	FLOOD RISK	2.005	20	74.0	0.986	0.375	4.9828	
120 minute winter	20	70	9.791	1.380	74.0	0.0000	0.0000	FLOOD RISK	2.006	21	70.7	1.356	0.357	3.4979	
120 minute winter	21	68	9.786	1.414	91.7	0.0000	0.0000	FLOOD RISK	2.007	22	-81.2	1.317	-0.136	3.7404	
120 minute winter	22	68	9.785	1.755	90.5	7.7559	0.0000	FLOOD RISK	2.008	23	91.1	0.783	0.315	53.3017	
120 minute winter	23	48	7.750	1.000	91.1	0.0000	0.0000	FLOOD RISK	2.009	24	91.0	0.687	0.463	0.2714	
120 minute winter	24	68	9.581	0.091	91.0	0.0000	0.0000	OK	2.010	24_OUT	91.0	3.784	0.074	0.1439	
120 minute winter	24_OUT	70	7.781	0.248	91.0	0.0000	0.0000	OK	Flow through pond	49	161.6	0.070	0.000	408.0414	
120 minute winter	25	68	8.827	0.031	1.7	0.0199	0.0000	OK	3.000	26	1.7	0.492	0.095	0.1240	
120 minute winter	26	66	8.480	0.045	3.4	0.1180	0.0000	OK	3.001	27	3.0	0.872	0.192	0.1812	
									Infiltration		0.4				
120 minute winter	27	66	8.162	0.047	4.7	0.1537	0.0000	OK	3.002	28	4.3	0.869	0.212	0.1605	
									Infiltration		0.5				
120 minute winter	28	66	7.745	0.050	6.0	0.1190	0.0000	OK	3.003	29	5.7	1.023	0.240	0.1985	
									Infiltration		0.3				
120 minute winter	29	66	7.121	0.056	7.4	0.1143	0.0000	OK	3.004	30	7.1	1.254	0.255	0.0383	
									Infiltration		0.3				
120 minute winter	30	68	6.869	0.044	7.4	0.0053	0.0000	OK	3.005	31	7.4	0.151	0.003	1.1192	
120 minute winter	31	60	6.843	0.148	7.7	0.0176	0.0000	OK	3.006	32	6.6	0.124	0.004	1.6293	
									Infiltration		1.1				

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120 minute winter	32	80	6.843	0.198	6.8	0.0237	0.0000 OK	3.007	33	5.0	0.070	0.003	1.2291
								Infiltration		0.9			
								Infiltration		1.1			
120 minute winter	33	82	6.843	0.088	5.3	0.0081	0.0000 OK	3.008	34	5.3	0.211	0.004	0.6378
120 minute winter	34	82	6.842	0.097	5.6	0.0117	0.0000 OK	3.009	35	4.5	0.228	0.002	0.8343
								Infiltration		0.7			
120 minute winter	35	80	6.842	0.157	4.8	0.0201	0.0000 OK	3.010	36	3.5	0.048	0.001	2.5232
								Infiltration		0.7			
120 minute winter	36	82	6.842	0.337	3.8	0.0364	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.2			
120 minute winter	37	72	6.511	0.006	0.3	0.0007	0.0000 OK	3.012	38	0.3	0.040	0.000	1.2995
120 minute winter	38	78	6.438	0.173	2.2	0.0207	0.0000 OK	3.013	39	-1.6	-0.075	-0.001	0.8651
								Infiltration		0.8			
								Infiltration		1.0			
120 minute winter	39	72	6.469	0.014	1.6	0.0017	0.0000 OK	3.014	40	-1.3	-0.291	-0.001	0.0918
								Infiltration		0.0			
120 minute winter	40	72	6.707	0.012	1.3	0.0014	0.0000 OK	3.015	41	-1.0	-0.179	-0.001	0.0755
								Infiltration		0.0			
120 minute winter	41	70	6.876	0.011	1.1	0.0013	0.0000 OK	3.016	42	-0.8	-0.151	-0.001	0.0642
								Infiltration		0.0			
120 minute winter	42	68	7.093	0.008	0.8	0.0010	0.0000 OK	3.017	43	-0.5	-0.099	0.000	0.0627
								Infiltration		0.0			
120 minute winter	43	66	7.155	0.010	0.5	0.0012	0.0000 OK	3.018	44	-0.2	-0.049	0.000	0.0491
								Infiltration		0.0			
120 minute winter	44	70	7.230	0.005	0.3	0.0006	0.0000 OK	3.019	45	0.1	0.035	0.000	0.0398
120 minute winter	45	72	7.203	0.008	0.4	0.0010	0.0000 OK	3.020	46	0.4	0.092	0.000	0.0567
								Infiltration		0.0			
120 minute winter	46	72	7.134	0.009	0.7	0.0011	0.0000 OK	3.021	47	0.7	0.135	0.000	0.0709
								Infiltration		0.0			
120 minute winter	47	72	6.976	0.011	1.0	0.0013	0.0000 OK	3.022	48	1.0	0.091	0.000	0.1535
								Infiltration		0.0			
120 minute winter	48	74	6.825	0.030	1.3	0.0036	0.0000 OK	3.023	53	1.2	0.107	0.002	0.2184
								Infiltration		0.0			
120 minute winter	49	136	7.565	-0.435	175.1	0.0000	0.0000 OK	Orifice	50	0.0			
								Infiltration		0.0			
120 minute winter	50	2	7.400	0.000	0.0	0.0000	0.0000 OK	4.001	51	0.0	0.000	0.000	0.0000
120 minute winter	51	2	7.300	0.000	0.0	0.0000	0.0000 OK	4.002	52	0.0	0.000	0.000	0.0000
120 minute winter	52	2	7.200	0.000	0.0	0.0000	0.0000 OK	4.003	53	0.0	0.000	0.000	0.0000
120 minute winter	53	114	6.820	0.035	1.5	0.0041	0.0000 OK	3.024	54	1.5	0.117	0.000	1.0778
								Infiltration		0.1			
120 minute winter	54	114	6.820	0.195	1.6	0.0233	0.0000 OK	3.025	54_OUT	0.7	0.037	0.000	2.8250
								Infiltration		0.2			
120 minute winter	54_OUT	114	6.820	0.315	1.0	0.0377	0.0000 OK	Infiltration		0.3			

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120 minute winter	55	60	8.481	0.035	0.9	0.0119	0.0000 OK	5.000	56	0.9	0.262	0.122	0.0540
120 minute winter	56	68	8.453	0.037	1.8	0.1120	0.0000 OK	5.001	57	1.7	0.380	0.132	0.0981
								Infiltration		0.1			
120 minute winter	57	68	8.368	0.056	2.6	0.1024	0.0000 OK	5.002	58	2.4	0.367	0.302	0.2381
								Infiltration		0.1			
120 minute winter	58	90	8.340	0.095	3.3	0.5516	0.0000 OK	5.003	59	2.9	0.396	0.368	0.3168
								Infiltration		0.4			
120 minute winter	59	92	8.341	0.138	3.8	0.7201	0.0000 OK	5.004	60	2.3	0.076	0.003	3.2556
								Infiltration		0.3			
120 minute winter	60	92	8.341	0.156	3.2	0.0529	0.0000 OK	5.005	61	0.9	0.042	0.001	5.5926
								Infiltration		0.4			
120 minute winter	61	92	8.341	0.205	1.7	0.0696	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.5			
120 minute winter	62	68	8.150	0.014	0.9	0.0047	0.0000 OK	5.007	63	0.9	0.058	0.003	2.9112
120 minute winter	63	114	7.972	0.136	1.9	0.0462	0.0000 OK	5.008	63_OUT	0.4	0.024	0.000	2.8740
								Infiltration		0.3			
120 minute winter	63_OUT	114	7.972	0.257	1.0	0.5704	0.0000 OK	Infiltration		0.3			
120 minute winter	64	118	6.281	0.096	0.4	0.0154	0.0000 OK	6.000	65	0.4	0.054	0.000	0.8334
120 minute winter	65	118	6.281	0.156	0.8	0.0250	0.0000 OK	6.001	66	0.2	0.048	0.000	1.3958
								Infiltration		0.1			
120 minute winter	66	118	6.281	0.188	0.6	0.0297	0.0000 OK	6.002	67	-0.2	0.023	0.000	0.8698
								Infiltration		0.1			
120 minute winter	67	118	6.281	0.205	0.4	0.0318	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
120 minute winter	68	70	6.083	0.007	0.4	0.0010	0.0000 OK	6.004	69	0.4	0.040	0.000	1.8849
120 minute winter	69	118	5.958	0.191	0.8	0.0305	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.2			
120 minute winter	70	90	5.802	0.047	0.4	0.0075	0.0000 OK	6.006	71	0.4	0.049	0.000	0.4476
120 minute winter	71	90	5.802	0.117	0.8	0.0187	0.0000 OK	6.007	72	0.2	0.011	0.000	1.7675
								Infiltration		0.1			
120 minute winter	72	94	5.802	0.117	0.6	0.0187	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.2			
120 minute winter	73	118	5.896	0.191	0.4	0.0305	0.0000 OK	6.009	74	0.2	0.016	0.000	0.7877
120 minute winter	74	118	5.896	0.191	0.8	0.0305	0.0000 OK	6.010	75	0.2	0.043	0.000	0.8921
								Infiltration		0.1			
120 minute winter	75	118	5.896	0.191	0.5	0.0305	0.0000 OK	6.011	76	0.3	0.038	0.000	1.0677
								Infiltration		0.1			
120 minute winter	76	118	5.896	0.261	0.5	0.0396	0.0000 OK	6.012	76_OUT	0.1	0.006	0.000	1.2022
								Infiltration		0.1			
120 minute winter	76_OUT	118	5.896	0.261	0.4	0.0417	0.0000 OK	Infiltration		0.1			

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Results for 2 year 180 minute summer, 420 minute analysis at 4 minute timestep. Mass balance: 99.21%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	1	104	9.786	0.486	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	1.0	0.033	0.047	0.4653	
180 minute summer	2	104	9.784	0.534	4.2	0.0000	0.0000	FLOOD RISK	1.001	3	-4.2	-0.269	-0.209	1.1264	
180 minute summer	3	104	9.779	0.629	16.2	0.0000	0.0000	FLOOD RISK	1.002	4	-16.2	-0.517	-0.764	0.4986	
180 minute summer	4	104	9.773	0.673	20.8	0.0000	0.0000	FLOOD RISK	1.003	5	-20.8	-0.663	-0.901	0.8441	
180 minute summer	5	104	9.774	0.774	23.1	0.0000	0.0000	FLOOD RISK	1.004	6	-23.1	-0.737	-0.817	0.1521	
180 minute summer	6	104	9.775	0.875	39.9	7.2135	0.0000	FLOOD RISK	1.005	7	-22.6	0.983	-0.466	0.7798	
180 minute summer	7	104	9.785	1.615	32.9	4.1371	0.0000	FLOOD RISK	1.006	8	32.0	0.943	0.456	2.4923	
180 minute summer	8	104	9.758	1.208	85.7	8.2894	0.0000	FLOOD RISK	1.007	9	52.8	0.987	0.488	5.9230	
180 minute summer	9	104	9.750	1.400	91.8	13.6109	0.0000	FLOOD RISK	1.008	10	89.2	0.894	0.381	3.1369	
180 minute summer	10	104	9.755	1.455	97.6	2.5795	0.0000	FLOOD RISK	1.009	11	89.8	0.823	0.608	47.8613	
180 minute summer	11	108	9.681	1.681	89.8	0.0000	0.0000	FLOOD RISK	1.010	12	68.6	0.632	0.231	53.3278	
180 minute summer	12	76	7.750	1.000	85.6	0.0000	0.0000	FLOOD RISK	1.011	13	85.8	0.515	0.339	0.2853	
180 minute summer	13	108	9.578	0.078	85.6	0.0000	0.0000	OK	1.012	13_OUT	85.6	3.453	0.054	0.1156	
180 minute summer	13_OUT	108	7.735	0.202	85.6	0.0000	0.0000	OK	Flow through pond	49	170.0	0.068	0.000	442.9538	
180 minute summer	14	100	9.800	0.500	1.8	0.0000	0.0000	FLOOD RISK	2.000	15	-1.8	-0.056	-0.058	0.8136	
180 minute summer	15	96	9.800	0.714	33.2	5.8621	0.0000	FLOOD RISK	2.001	16	-17.5	0.854	-0.361	0.9254	
180 minute summer	16	96	9.800	0.809	17.8	0.0000	0.0000	FLOOD RISK	2.002	17	-17.8	0.851	-0.381	0.6320	
180 minute summer	17	96	9.800	0.941	22.2	2.9553	0.0000	FLOOD RISK	2.003	18	23.2	0.850	0.297	1.8750	
180 minute summer	18	96	9.800	1.119	39.6	7.0603	0.0000	FLOOD RISK	2.004	19	41.1	0.863	0.327	5.4890	
180 minute summer	19	96	9.790	1.334	69.4	12.0295	0.0000	FLOOD RISK	2.005	20	71.7	0.928	0.364	4.0628	
180 minute summer	20	100	9.779	1.368	71.7	0.0000	0.0000	FLOOD RISK	2.006	21	70.6	1.288	0.357	3.4979	
180 minute summer	21	100	9.775	1.403	70.6	0.0000	0.0000	FLOOD RISK	2.007	22	71.5	1.169	0.120	3.7404	
180 minute summer	22	100	9.775	1.775	89.8	7.7168	0.0000	FLOOD RISK	2.008	23	90.9	0.680	0.316	53.3017	
180 minute summer	23	72	7.750	1.000	90.9	0.0000	0.0000	FLOOD RISK	2.009	24	91.0	0.687	0.483	0.2714	
180 minute summer	24	100	9.590	0.090	91.0	0.0000	0.0000	OK	2.010	24_OUT	91.0	3.764	0.074	0.1440	
180 minute summer	24_OUT	100	7.781	0.248	91.0	0.0000	0.0000	OK	Flow through pond	49	170.0	0.068	0.000	442.9538	
180 minute summer	25	96	8.828	0.032	1.8	0.0205	0.0000	OK	3.000	28	1.8	0.501	0.100	0.1293	
180 minute summer	26	96	8.481	0.046	3.6	0.1223	0.0000	OK	3.001	27	3.2	0.682	0.204	0.1892	
									Infiltration		0.4				
180 minute summer	27	96	8.163	0.048	5.0	0.1625	0.0000	OK	3.002	28	4.5	0.883	0.225	0.1673	
									Infiltration		0.5				
180 minute summer	28	96	7.748	0.051	6.3	0.1250	0.0000	OK	3.003	29	6.0	1.036	0.253	0.2068	
									Infiltration		0.3				
180 minute summer	29	96	7.122	0.057	7.8	0.1203	0.0000	OK	3.004	30	7.5	1.270	0.289	0.0399	
									Infiltration		0.3				
180 minute summer	30	96	6.870	0.045	7.8	0.0954	0.0000	OK	3.005	31	7.7	0.151	0.093	1.0589	
180 minute summer	31	108	6.831	0.136	8.0	0.0163	0.0000	OK	3.006	32	8.7	0.088	0.094	1.4849	
									Infiltration		1.1				

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180 minute summer	32	108	8.830	0.185	7.0	0.0223	0.0000	OK	3.007	33	5.3	0.072	0.004	1.0978
									Infiltration		0.9			
									Infiltration		1.0			
180 minute summer	33	108	8.830	0.055	5.6	0.0066	0.0000	OK	3.008	34	5.7	0.213	0.004	0.5252
180 minute summer	34	108	8.829	0.084	6.0	0.0103	0.0000	OK	3.009	35	4.5	0.233	0.002	0.7358
									Infiltration		0.7			
180 minute summer	35	108	8.829	0.154	4.8	0.0185	0.0000	OK	3.010	36	3.7	0.051	0.001	2.3521
									Infiltration		0.8			
180 minute summer	36	108	8.828	0.323	4.0	0.0368	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.2			
180 minute summer	37	100	8.511	0.006	0.3	0.0007	0.0000	OK	3.012	38	0.3	0.034	0.000	1.1438
180 minute summer	38	108	8.421	0.156	2.2	0.0187	0.0000	OK	3.013	39	-1.6	-0.075	-0.001	0.7812
									Infiltration		0.7			
									Infiltration		0.9			
180 minute summer	39	100	8.469	0.014	1.6	0.0017	0.0000	OK	3.014	40	-1.3	-0.201	-0.001	0.0918
									Infiltration		0.0			
180 minute summer	40	100	8.797	0.012	1.3	0.0014	0.0000	OK	3.015	41	-1.0	-0.179	-0.001	0.0765
									Infiltration		0.0			
180 minute summer	41	100	8.876	0.011	1.1	0.0013	0.0000	OK	3.016	42	-0.8	-0.151	-0.001	0.0642
									Infiltration		0.0			
180 minute summer	42	100	7.093	0.008	0.8	0.0010	0.0000	OK	3.017	43	-0.5	-0.099	0.000	0.0627
									Infiltration		0.0			
180 minute summer	43	100	7.155	0.010	0.5	0.0012	0.0000	OK	3.018	44	-0.2	-0.048	0.000	0.0491
									Infiltration		0.0			
180 minute summer	44	100	7.230	0.005	0.3	0.0006	0.0000	OK	3.019	45	0.1	0.035	0.000	0.0398
180 minute summer	45	100	7.293	0.008	0.4	0.0010	0.0000	OK	3.020	46	0.4	0.092	0.000	0.0567
									Infiltration		0.0			
180 minute summer	46	100	7.134	0.009	0.7	0.0011	0.0000	OK	3.021	47	0.7	0.135	0.000	0.0705
									Infiltration		0.0			
180 minute summer	47	100	6.976	0.011	1.0	0.0013	0.0000	OK	3.022	48	1.0	0.091	0.000	0.1534
									Infiltration		0.0			
180 minute summer	48	100	8.825	0.030	1.3	0.0036	0.0000	OK	3.023	53	1.2	0.107	0.002	0.1609
									Infiltration		0.0			
180 minute summer	49	212	7.569	-0.431	175.4	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
180 minute summer	50	4	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
180 minute summer	51	4	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
180 minute summer	52	4	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
180 minute summer	53	100	5.799	0.014	1.5	0.0017	0.0000	OK	3.024	54	1.5	0.117	0.000	0.8716
									Infiltration		0.0			
180 minute summer	54	140	8.799	0.174	1.8	0.0208	0.0000	OK	3.025	54_OUT	0.8	0.037	0.000	2.6193
									Infiltration		0.2			
180 minute summer	54_OUT	140	8.799	0.294	1.1	0.0353	0.0000	OK	Infiltration		0.3			

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180 minute summer	55	96	8.481	0.035	0.9	0.0119	0.0000	OK	5.006	56	0.9	0.280	0.122	0.0539
180 minute summer	56	96	8.453	0.037	1.8	0.1117	0.0000	OK	5.001	57	1.7	0.359	0.132	0.0976
									Infiltration		0.1			
180 minute summer	57	96	8.368	0.058	2.5	0.1015	0.0000	OK	5.002	58	2.4	0.357	0.299	0.2031
									Infiltration		0.1			
180 minute summer	58	124	8.328	0.081	3.3	0.4290	0.0000	OK	5.003	59	2.9	0.393	0.386	0.2768
									Infiltration		0.4			
180 minute summer	59	124	8.325	0.121	3.8	0.6300	0.0000	OK	5.004	60	2.2	0.069	0.003	2.8863
									Infiltration		0.3			
180 minute summer	60	124	8.328	0.141	3.1	0.0479	0.0000	OK	5.005	61	0.6	0.031	0.001	5.0334
									Infiltration		0.3			
180 minute summer	61	124	8.325	0.190	1.7	0.0648	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.5			
180 minute summer	62	96	8.150	0.014	0.9	0.0048	0.0000	OK	5.007	63	0.9	0.053	0.000	2.6419
180 minute summer	63	132	7.961	0.125	1.9	0.0425	0.0000	OK	5.008	63_OUT	0.3	0.019	0.000	2.6454
									Infiltration		0.3			
180 minute summer	63_OUT	136	7.961	0.196	0.9	0.0568	0.0000	OK	Infiltration		0.3			
180 minute summer	64	156	6.274	0.089	0.4	0.0142	0.0000	OK	6.000	65	0.3	0.044	0.000	0.7767
180 minute summer	65	156	6.274	0.149	0.7	0.0238	0.0000	OK	6.001	66	-0.2	0.050	0.000	1.3218
									Infiltration		0.1			
180 minute summer	66	156	6.274	0.181	0.6	0.0286	0.0000	OK	6.002	67	-0.2	0.023	0.000	0.8280
									Infiltration		0.1			
180 minute summer	67	156	6.274	0.198	0.4	0.0308	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
180 minute summer	68	100	8.083	0.007	0.4	0.0010	0.0000	OK	6.004	69	0.4	0.037	0.000	1.8063
180 minute summer	69	156	5.950	0.185	0.8	0.0295	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
180 minute summer	70	152	5.794	0.039	0.4	0.0063	0.0000	OK	6.006	71	0.4	0.042	0.000	0.4045
180 minute summer	71	156	5.794	0.109	0.8	0.0175	0.0000	OK	6.007	72	0.2	0.011	0.000	1.6407
									Infiltration		0.1			
180 minute summer	72	156	5.794	0.109	0.6	0.0175	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
180 minute summer	73	156	5.886	0.183	0.4	0.0293	0.0000	OK	6.009	74	0.2	0.018	0.000	0.7495
180 minute summer	74	156	5.886	0.183	0.6	0.0293	0.0000	OK	6.010	75	0.2	0.043	0.000	0.8487
									Infiltration		0.1			
180 minute summer	75	156	5.888	0.183	0.5	0.0293	0.0000	OK	6.011	76	0.3	0.034	0.000	1.0229
									Infiltration		0.1			
180 minute summer	76	156	5.886	0.253	0.5	0.0385	0.0000	OK	6.012	75_OUT	0.1	-0.007	0.000	1.1573
									Infiltration		0.1			
180 minute summer	76_OUT	156	5.888	0.253	0.4	0.0405	0.0000	OK	Infiltration		0.1			

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Results for 2 year 180 minute winter, 420 minute analysis at 4 minute timestep. Mass balance: 91.23%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	1	104	9.800	0.500	2.3	0.0000	0.0000	FLOOD RISK	1.000	2	-2.3	-0.073	-0.104	0.4653	
180 minute winter	2	104	9.800	0.550	3.4	0.0000	0.0000	FLOOD RISK	1.001	3	-3.4	-0.108	-0.170	1.1264	
180 minute winter	3	104	9.800	0.650	11.0	0.0000	0.0000	FLOOD RISK	1.002	4	-11.0	-0.600	-0.521	0.4986	
180 minute winter	4	104	9.800	0.700	16.5	0.0000	0.0000	FLOOD RISK	1.003	5	-16.5	-0.527	-0.718	0.8441	
180 minute winter	5	104	9.800	0.800	18.5	0.0000	0.0000	FLOOD RISK	1.004	6	-18.5	-0.591	-0.494	0.1621	
180 minute winter	6	104	9.800	0.900	23.8	7.5259	0.0000	FLOOD RISK	1.005	7	15.7	0.896	0.324	0.7796	
180 minute winter	7	104	9.800	1.050	24.8	4.2928	0.0000	FLOOD RISK	1.006	8	24.8	0.872	0.351	2.4923	
180 minute winter	8	104	9.786	1.236	46.0	8.5000	0.0000	FLOOD RISK	1.007	9	40.4	0.913	0.373	5.9230	
180 minute winter	9	104	9.773	1.423	69.2	13.8417	0.0000	FLOOD RISK	1.008	10	67.3	0.817	0.284	3.1366	
180 minute winter	10	104	9.771	1.471	72.4	2.6080	0.0000	FLOOD RISK	1.009	11	71.2	0.802	0.482	47.8613	
180 minute winter	11	104	9.703	1.703	71.2	0.0000	0.0000	FLOOD RISK	1.010	12	70.7	0.659	0.246	53.3278	
180 minute winter	12	68	7.750	1.000	70.7	0.0000	0.0000	FLOOD RISK	1.011	13	70.8	0.544	0.360	0.2663	
180 minute winter	13	104	9.580	0.080	70.8	0.0000	0.0000	OK	1.012	13_OUT	70.6	3.508	0.057	0.1206	
180 minute winter	13_OUT	104	7.742	0.209	70.6	0.0000	0.0000	OK	Flow through pond	49	186.7	0.058	0.000	536.7404	
180 minute winter	14	96	9.760	0.480	5.8	0.0000	0.0000	FLOOD RISK	2.000	15	-5.8	-0.290	-0.184	0.5138	
180 minute winter	15	96	9.755	0.688	30.1	5.3090	0.0000	FLOOD RISK	2.001	16	-18.5	0.811	-0.361	0.9254	
180 minute winter	16	96	9.750	0.758	21.7	0.0000	0.0000	FLOOD RISK	2.002	17	-21.7	0.812	-0.441	0.6320	
180 minute winter	17	96	9.747	0.868	23.7	2.7543	0.0000	FLOOD RISK	2.003	18	19.0	0.789	0.243	1.8750	
180 minute winter	18	96	9.741	1.060	42.3	6.6713	0.0000	FLOOD RISK	2.004	19	33.3	0.851	0.264	5.4890	
180 minute winter	19	96	9.731	1.275	59.1	11.4965	0.0000	FLOOD RISK	2.005	20	59.3	0.895	0.301	4.0628	
180 minute winter	20	96	9.726	1.315	59.3	0.0000	0.0000	FLOOD RISK	2.006	21	60.1	1.230	0.304	3.4979	
180 minute winter	21	96	9.723	1.351	60.1	0.0000	0.0000	FLOOD RISK	2.007	22	61.4	1.147	0.103	3.7404	
180 minute winter	22	96	9.721	1.721	78.1	7.4740	0.0000	FLOOD RISK	2.008	23	76.8	0.701	0.266	53.3017	
180 minute winter	23	64	7.750	1.000	76.8	0.0000	0.0000	FLOOD RISK	2.009	24	76.8	0.588	0.381	0.2681	
180 minute winter	24	96	9.583	0.083	76.8	0.0000	0.0000	OK	2.010	24_OUT	76.8	3.598	0.062	0.1278	
180 minute winter	24_OUT	96	7.755	0.221	76.8	0.0000	0.0000	OK	Flow through pond	49	186.7	0.058	0.000	536.7404	
180 minute winter	25	96	8.624	0.028	1.4	0.0181	0.0000	OK	3.000	26	1.4	0.466	0.078	0.1074	
180 minute winter	26	96	8.475	0.040	2.8	0.0988	0.0000	OK	3.001	27	2.5	0.836	0.155	0.1557	
									Infiltration		0.3				
180 minute winter	27	96	8.157	0.042	3.9	0.1263	0.0000	OK	3.002	28	3.5	0.820	0.171	0.1375	
									Infiltration		0.4				
180 minute winter	28	96	7.740	0.045	4.9	0.0985	0.0000	OK	3.003	29	4.6	0.967	0.193	0.1693	
									Infiltration		0.3				
180 minute winter	29	96	7.114	0.049	6.0	0.0939	0.0000	OK	3.004	30	5.7	1.187	0.205	0.0327	
									Infiltration		0.2				
180 minute winter	30	96	6.864	0.039	6.0	0.0047	0.0000	OK	3.005	31	6.0	0.157	0.003	0.8719	
180 minute winter	31	116	6.824	0.129	6.3	0.0155	0.0000	OK	3.006	32	5.2	0.093	0.003	1.4075	
									Infiltration		1.0				

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180 minute winter	32	116	6.824	0.179	5.5	0.0214	0.0000 OK	3.007	33	3.7	0.056	0.002	1.0284	
								Infiltration		0.9				
								Infiltration		1.0				
180 minute winter	33	116	6.823	0.048	3.9	0.0058	0.0000 OK	3.008	34	4.0	0.192	0.003	0.4888	
180 minute winter	34	116	6.822	0.077	4.2	0.0092	0.0000 OK	3.009	35	3.4	0.267	0.001	0.6865	
								Infiltration		0.7				
180 minute winter	35	116	6.822	0.147	3.7	0.0176	0.0000 OK	3.010	36	2.4	0.038	0.001	2.2681	
								Infiltration		0.8				
180 minute winter	36	116	6.822	0.317	2.5	0.0351	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000	
								Infiltration		1.1				
180 minute winter	37	96	6.511	0.006	0.3	0.0007	0.0000 OK	3.012	38	0.3	0.034	0.000	1.0768	
180 minute winter	38	112	6.413	0.148	2.1	0.0178	0.0000 OK	3.013	39	-1.5	-0.075	-0.001	0.7159	
								Infiltration		0.8				
								Infiltration		0.8				
180 minute winter	39	96	6.469	0.014	1.6	0.0017	0.0000 OK	3.014	40	-1.3	-0.199	-0.001	0.0893	
								Infiltration		0.0				
180 minute winter	40	96	6.707	0.012	1.3	0.0014	0.0000 OK	3.015	41	-1.0	-0.177	-0.001	0.0748	
								Infiltration		0.0				
180 minute winter	41	96	6.876	0.011	1.0	0.0013	0.0000 OK	3.016	42	-0.7	-0.150	0.000	0.0631	
								Infiltration		0.0				
180 minute winter	42	96	7.093	0.008	0.8	0.0010	0.0000 OK	3.017	43	-0.5	-0.098	0.000	0.0619	
								Infiltration		0.0				
180 minute winter	43	96	7.155	0.010	0.5	0.0012	0.0000 OK	3.018	44	-0.2	-0.048	0.000	0.0487	
								Infiltration		0.0				
180 minute winter	44	96	7.230	0.005	0.3	0.0006	0.0000 OK	3.019	45	0.1	0.035	0.000	0.0394	
180 minute winter	45	96	7.203	0.008	0.4	0.0010	0.0000 OK	3.020	46	0.4	0.091	0.000	0.0560	
								Infiltration		0.0				
180 minute winter	46	96	7.134	0.009	0.7	0.0011	0.0000 OK	3.021	47	0.7	0.134	0.000	0.0697	
								Infiltration		0.0				
180 minute winter	47	96	6.976	0.011	1.0	0.0013	0.0000 OK	3.022	48	0.9	0.091	0.000	0.1485	
								Infiltration		0.0				
180 minute winter	48	96	6.824	0.028	1.2	0.0035	0.0000 OK	3.023	53	1.2	0.104	0.001	0.1737	
								Infiltration		0.0				
180 minute winter	49	188	7.580	-0.420	193.1	0.0000	0.0000 OK	Orifice	50	0.0				
								Infiltration		0.0				
180 minute winter	50	4	7.400	0.000	0.0	0.0000	0.0000 OK	4.001	51	0.0	0.000	0.000	0.0000	
180 minute winter	51	4	7.300	0.000	0.0	0.0000	0.0000 OK	4.002	52	0.0	0.000	0.000	0.0000	
180 minute winter	52	4	7.200	0.000	0.0	0.0000	0.0000 OK	4.003	53	0.0	0.000	0.000	0.0000	
180 minute winter	53	144	6.813	0.028	1.5	0.0034	0.0000 OK	3.024	54	1.4	0.117	0.000	1.0134	
								Infiltration		0.1				
180 minute winter	54	144	6.813	0.188	1.7	0.0226	0.0000 OK	3.025	54_OUT	0.7	0.037	0.000	2.8303	
								Infiltration		0.2				
180 minute winter	54_OUT	144	6.813	0.308	1.0	0.0370	0.0000 OK	Infiltration		0.3				

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180 minute winter	55	96	8.477	0.031	0.7	0.0105	0.0000 OK	5.000	56	0.7	0.262	0.095	0.0450
180 minute winter	56	100	8.448	0.032	1.4	0.0898	0.0000 OK	5.001	57	1.3	0.334	0.102	0.0812
								Infiltration		0.1			
180 minute winter	57	100	8.359	0.049	2.0	0.0800	0.0000 OK	5.002	58	1.9	0.343	0.232	0.2218
								Infiltration		0.1			
180 minute winter	58	132	8.337	0.092	2.6	0.5189	0.0000 OK	5.003	59	2.1	0.361	0.290	0.3065
								Infiltration		0.4			
180 minute winter	59	132	8.337	0.132	2.8	0.6951	0.0000 OK	5.004	60	1.7	0.087	0.002	3.1477
								Infiltration		0.3			
180 minute winter	60	132	8.337	0.152	2.4	0.0515	0.0000 OK	5.005	61	0.5	0.032	0.001	5.4356
								Infiltration		0.3			
180 minute winter	61	132	8.337	0.201	1.3	0.0682	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.5			
180 minute winter	62	100	8.148	0.012	0.7	0.0040	0.0000 OK	5.007	63	0.7	0.053	0.000	2.9430
180 minute winter	63	144	7.973	0.137	1.5	0.0466	0.0000 OK	5.008	63_OUT	0.3	0.019	0.000	2.8985
								Infiltration		0.3			
180 minute winter	63_OUT	144	7.973	0.258	0.8	0.5708	0.0000 OK	Infiltration		0.3			
180 minute winter	64	172	6.295	0.110	0.3	0.0176	0.0000 OK	6.000	65	0.3	0.044	0.000	0.9420
180 minute winter	65	172	6.295	0.170	0.6	0.0272	0.0000 OK	6.001	66	0.2	0.050	0.000	1.5363
								Infiltration		0.1			
180 minute winter	66	172	6.295	0.202	0.5	0.0319	0.0000 OK	6.002	67	0.2	0.023	0.000	0.9481
								Infiltration		0.1			
180 minute winter	67	172	6.295	0.219	0.3	0.0039	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
180 minute winter	68	100	6.082	0.006	0.3	0.0008	0.0000 OK	6.004	69	0.3	0.037	0.000	2.0629
180 minute winter	69	172	5.970	0.205	0.5	0.0328	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.2			
180 minute winter	70	128	5.807	0.052	0.3	0.0084	0.0000 OK	6.006	71	0.3	0.042	0.000	0.4821
180 minute winter	71	128	5.807	0.122	0.6	0.0196	0.0000 OK	6.007	72	0.2	0.011	0.000	1.8703
								Infiltration		0.1			
180 minute winter	72	128	5.807	0.122	0.5	0.0196	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.2			
180 minute winter	73	172	5.918	0.213	0.3	0.0340	0.0000 OK	6.009	74	0.1	0.016	0.000	0.9075
180 minute winter	74	172	5.918	0.213	0.4	0.0340	0.0000 OK	6.010	75	0.2	0.043	0.000	1.0276
								Infiltration		0.1			
180 minute winter	75	172	5.918	0.213	0.4	0.0340	0.0000 OK	6.011	76	0.3	0.034	0.000	1.2072
								Infiltration		0.1			
180 minute winter	76	172	5.918	0.283	0.4	0.0430	0.0000 OK	6.012	76_OUT	0.1	-0.007	0.000	1.3423
								Infiltration		0.1			
180 minute winter	76_OUT	172	5.918	0.283	0.3	0.0452	0.0000 OK	Infiltration		0.1			

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Results for 2 year 240 minute summer, 480 minute analysis at 4 minute timestep. Mass balance: 91.18%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	1	136	9.788	0.488	1.5	0.0000	0.0000	FLOOD RISK	1.000	2	-1.5	-0.230	-0.068	0.4653	
240 minute summer	2	136	9.787	0.537	14.1	0.0000	0.0000	FLOOD RISK	1.001	3	-14.1	-0.630	-0.711	1.1264	
240 minute summer	3	132	9.786	0.636	16.2	0.0000	0.0000	FLOOD RISK	1.002	4	-16.2	-0.518	-0.786	0.4986	
240 minute summer	4	132	9.782	0.692	17.3	0.0000	0.0000	FLOOD RISK	1.003	5	-17.3	-0.553	-0.752	0.8441	
240 minute summer	5	132	9.798	0.798	19.3	0.0000	0.0000	FLOOD RISK	1.004	6	-19.3	-0.618	-0.517	0.1521	
240 minute summer	6	132	9.796	0.896	38.2	7.4972	0.0000	FLOOD RISK	1.005	7	-21.6	0.903	-0.445	0.7796	
240 minute summer	7	132	9.794	1.044	32.1	4.2551	0.0000	FLOOD RISK	1.006	8	25.3	0.890	0.380	2.4923	
240 minute summer	8	132	9.788	1.238	44.5	8.4993	0.0000	FLOOD RISK	1.007	9	42.9	0.889	0.396	5.9230	
240 minute summer	9	132	9.776	1.426	74.5	13.8528	0.0000	FLOOD RISK	1.008	10	63.6	0.833	0.268	3.1369	
240 minute summer	10	132	9.776	1.476	68.8	2.6165	0.0000	FLOOD RISK	1.009	11	69.0	0.724	0.467	47.8613	
240 minute summer	11	136	9.690	1.690	69.0	0.0000	0.0000	FLOOD RISK	1.010	12	69.2	0.594	0.240	53.3278	
240 minute summer	12	92	7.750	1.000	69.2	0.0000	0.0000	FLOOD RISK	1.011	13	69.3	0.534	0.353	0.2860	
240 minute summer	13	136	9.579	0.079	69.3	0.0000	0.0000	OK	1.012	13_OUT	69.3	3.492	0.056	0.1189	
240 minute summer	13_OUT	136	7.740	0.207	69.3	0.0000	0.0000	OK	Flow through pond	49	184.7	0.070	0.000	525.7435	
240 minute summer	14	124	9.800	0.500	10.6	0.0000	0.0000	FLOOD RISK	2.000	15	-10.6	-0.337	-0.350	0.8136	
240 minute summer	15	124	9.788	0.702	23.0	5.5615	0.0000	FLOOD RISK	2.001	16	13.8	0.813	0.285	0.9254	
240 minute summer	16	128	9.779	0.788	13.8	0.0000	0.0000	FLOOD RISK	2.002	17	13.9	0.776	0.282	0.6329	
240 minute summer	17	128	9.773	0.914	20.4	2.8370	0.0000	FLOOD RISK	2.003	18	20.4	0.775	0.281	1.8750	
240 minute summer	18	124	9.770	1.089	36.2	8.8531	0.0000	FLOOD RISK	2.004	19	36.7	0.797	0.292	5.4890	
240 minute summer	19	124	9.760	1.304	65.8	11.7590	0.0000	FLOOD RISK	2.005	20	65.1	0.856	0.330	4.0628	
240 minute summer	20	124	9.761	1.350	65.1	0.0000	0.0000	FLOOD RISK	2.006	21	65.3	1.250	0.330	3.4979	
240 minute summer	21	124	9.751	1.379	65.3	0.0000	0.0000	FLOOD RISK	2.007	22	65.3	1.038	0.110	3.7404	
240 minute summer	22	124	9.745	1.745	83.3	7.5848	0.0000	FLOOD RISK	2.008	23	82.8	0.629	0.287	53.3017	
240 minute summer	23	88	7.750	1.000	82.8	0.0000	0.0000	FLOOD RISK	2.009	24	82.8	0.630	0.422	0.2885	
240 minute summer	24	128	9.586	0.086	82.8	0.0000	0.0000	OK	2.010	24_OUT	82.8	3.660	0.067	0.1348	
240 minute summer	24_OUT	128	7.768	0.233	82.8	0.0000	0.0000	OK	Flow through pond	49	184.7	0.070	0.000	525.7435	
240 minute summer	25	124	8.825	0.629	1.5	0.0187	0.0000	OK	3.000	28	1.5	0.475	0.053	0.1117	
240 minute summer	26	124	8.475	0.641	3.0	0.1012	0.0000	OK	3.001	27	2.8	0.645	0.184	0.1808	
									Infiltration		0.3				
240 minute summer	27	124	8.158	0.043	4.1	0.1312	0.0000	OK	3.002	28	3.6	0.829	0.178	0.1414	
									Infiltration		0.4				
240 minute summer	28	128	7.741	0.048	5.1	0.1017	0.0000	OK	3.003	29	4.7	0.977	0.291	0.1740	
									Infiltration		0.3				
240 minute summer	29	128	7.115	0.050	5.2	0.0971	0.0000	OK	3.004	30	5.9	1.199	0.214	0.0336	
									Infiltration		0.2				
240 minute summer	30	128	6.865	0.040	6.2	0.0048	0.0000	OK	3.005	31	6.3	0.155	0.003	0.9927	
240 minute summer	31	128	6.822	0.127	6.6	0.0153	0.0000	OK	3.006	32	5.4	0.068	0.003	1.3901	
									Infiltration		1.0				

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240 minute summer	32	128	6.822	0.177	5.7	0.0212	0.0000	OK	3.007	33	3.8	0.057	0.003	1.0055
									Infiltration		0.9			
									Infiltration		1.0			
240 minute summer	33	128	6.820	0.045	4.1	0.0054	0.0000	OK	3.008	34	4.2	0.198	0.003	0.4188
240 minute summer	34	140	6.815	0.070	4.4	0.0084	0.0000	OK	3.009	35	3.9	0.205	0.002	0.6404
									Infiltration		0.7			
240 minute summer	35	140	6.815	0.140	4.2	0.0169	0.0000	OK	3.010	36	2.7	0.044	0.001	2.1865
									Infiltration		0.8			
240 minute summer	36	140	6.815	0.310	3.0	0.0353	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.1			
240 minute summer	37	128	6.511	0.006	0.3	0.0007	0.0000	OK	3.012	38	0.3	0.034	0.000	1.1039
240 minute summer	38	136	6.416	0.151	2.2	0.0182	0.0000	OK	3.013	39	-1.6	-0.075	-0.001	0.7357
									Infiltration		0.6			
									Infiltration		0.6			
240 minute summer	39	128	6.469	0.014	1.6	0.0017	0.0000	OK	3.014	40	-1.3	-0.200	-0.001	0.0913
									Infiltration		0.0			
240 minute summer	40	128	5.797	0.012	1.3	0.0014	0.0000	OK	3.015	41	-1.0	-0.178	-0.001	0.0763
									Infiltration		0.0			
240 minute summer	41	128	6.876	0.011	1.0	0.0013	0.0000	OK	3.016	42	-0.7	-0.151	0.000	0.0641
									Infiltration		0.0			
240 minute summer	42	128	7.093	0.008	0.8	0.0010	0.0000	OK	3.017	43	-0.5	-0.099	0.000	0.0628
									Infiltration		0.0			
240 minute summer	43	128	7.155	0.010	0.5	0.0012	0.0000	OK	3.018	44	-0.2	-0.048	0.000	0.0491
									Infiltration		0.0			
240 minute summer	44	128	7.230	0.005	0.3	0.0006	0.0000	OK	3.019	45	0.1	0.035	0.000	0.0398
240 minute summer	45	128	7.203	0.008	0.4	0.0010	0.0000	OK	3.020	46	0.4	0.092	0.000	0.0568
									Infiltration		0.0			
240 minute summer	46	128	7.134	0.009	0.7	0.0011	0.0000	OK	3.021	47	0.7	0.135	0.000	0.0705
									Infiltration		0.0			
240 minute summer	47	128	6.976	0.011	1.0	0.0013	0.0000	OK	3.022	48	1.0	0.091	0.000	0.1527
									Infiltration		0.0			
240 minute summer	48	128	6.825	0.030	1.3	0.0036	0.0000	OK	3.023	53	1.2	0.107	0.002	0.1599
									Infiltration		0.0			
240 minute summer	49	256	7.579	-0.421	184.7	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
240 minute summer	50	4	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
240 minute summer	51	4	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
240 minute summer	52	4	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
240 minute summer	53	172	6.805	0.025	1.5	0.0024	0.0000	OK	3.024	54	1.5	0.117	0.000	0.9292
									Infiltration		0.1			
240 minute summer	54	172	6.805	0.180	1.8	0.0216	0.0000	OK	3.025	54_OUT	0.7	0.037	0.000	2.7039
									Infiltration		0.2			
240 minute summer	54_OUT	172	6.805	0.300	1.0	0.0360	0.0000	OK	Infiltration		0.3			

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240 minute summer	55	128	8.479	0.033	0.8	0.0112	0.0000	OK	5.006	56	0.8	0.272	0.108	0.0495
240 minute summer	56	128	8.450	0.034	1.6	0.1911	0.0000	OK	5.001	57	1.5	0.347	0.117	0.0898
									Infiltration		0.1			
240 minute summer	57	128	8.362	0.052	2.3	0.0916	0.0000	OK	5.002	58	2.1	0.356	0.257	0.2042
									Infiltration		0.1			
240 minute summer	58	156	8.329	0.084	2.9	0.4518	0.0000	OK	5.003	59	2.5	0.366	0.336	0.2847
									Infiltration		0.4			
240 minute summer	59	156	8.329	0.124	3.3	0.6465	0.0000	OK	5.004	60	1.9	0.059	0.003	2.9384
									Infiltration		0.3			
240 minute summer	60	156	8.329	0.144	2.7	0.0488	0.0000	OK	5.005	61	0.7	0.031	0.001	5.1378
									Infiltration		0.3			
240 minute summer	61	156	8.329	0.193	1.5	0.0555	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.5			
240 minute summer	62	128	8.149	0.013	0.8	0.0944	0.0000	OK	5.007	63	0.8	0.044	0.000	2.7863
240 minute summer	63	156	7.967	0.131	1.6	0.0445	0.0000	OK	5.008	63_OUT	0.2	0.019	0.000	2.7578
									Infiltration		0.3			
240 minute summer	63_OUT	188	7.967	0.202	0.8	0.0588	0.0000	OK	Infiltration		0.3			
240 minute summer	64	188	6.276	0.093	0.4	0.0149	0.0000	OK	6.000	65	0.3	0.044	0.000	0.8092
240 minute summer	65	188	6.276	0.153	0.7	0.0245	0.0000	OK	6.001	66	0.2	0.050	0.000	1.3640
									Infiltration		0.1			
240 minute summer	66	188	6.276	0.185	0.6	0.0292	0.0000	OK	6.002	67	0.2	0.023	0.000	0.8521
									Infiltration		0.1			
240 minute summer	67	188	6.276	0.202	0.4	0.0313	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
240 minute summer	68	128	6.083	0.007	0.4	0.0016	0.0000	OK	6.004	69	0.4	0.037	0.000	1.8585
240 minute summer	69	188	5.954	0.169	0.8	0.0302	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
240 minute summer	70	184	5.797	0.042	0.4	0.0067	0.0000	OK	6.006	71	0.4	0.042	0.000	0.4203
240 minute summer	71	184	5.797	0.112	0.8	0.0179	0.0000	OK	6.007	72	0.2	0.011	0.000	1.8872
									Infiltration		0.1			
240 minute summer	72	188	5.797	0.112	0.6	0.0179	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
240 minute summer	73	188	5.894	0.188	0.4	0.0302	0.0000	OK	6.009	74	0.2	0.018	0.000	0.7792
240 minute summer	74	188	5.894	0.188	0.6	0.0302	0.0000	OK	6.010	75	0.2	0.043	0.000	0.8824
									Infiltration		0.1			
240 minute summer	75	188	5.894	0.188	0.5	0.0302	0.0000	OK	6.011	76	0.3	0.034	0.000	1.0577
									Infiltration		0.1			
240 minute summer	76	188	5.894	0.259	0.5	0.0394	0.0000	OK	6.012	76_OUT	0.1	-0.007	0.000	1.1923
									Infiltration		0.1			
240 minute summer	76_OUT	188	5.894	0.259	0.4	0.0414	0.0000	OK	Infiltration		0.1			

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Results for 2 year 240 minute winter, 480 minute analysis at 4 minute timestep. Mass balance: 91.84%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	1	132	9.769	0.469	2.9	0.0000	0.0000	FLOOD RISK	1.000	2	-2.9	-0.325	-0.133	0.4653	
240 minute winter	2	132	9.765	0.518	12.3	0.0000	0.0000	FLOOD RISK	1.001	3	-12.3	-0.438	-0.815	1.1264	
240 minute winter	3	132	9.763	0.613	14.4	0.0000	0.0000	FLOOD RISK	1.002	4	-14.4	-0.481	-0.682	0.4986	
240 minute winter	4	132	9.758	0.668	15.5	0.0000	0.0000	FLOOD RISK	1.003	5	-15.5	-0.485	-0.573	0.8441	
240 minute winter	5	132	9.763	0.783	16.8	0.0000	0.0000	FLOOD RISK	1.004	6	-16.8	-0.538	-0.450	0.1621	
240 minute winter	6	132	9.761	0.861	28.5	7.1007	0.0000	FLOOD RISK	1.005	7	-15.3	0.841	-0.316	0.7796	
240 minute winter	7	132	9.756	1.006	22.3	4.1002	0.0000	FLOOD RISK	1.006	8	20.4	0.828	0.290	2.4923	
240 minute winter	8	132	9.748	1.198	34.7	8.2247	0.0000	FLOOD RISK	1.007	9	35.3	0.835	0.326	5.9230	
240 minute winter	9	132	9.736	1.388	59.3	13.4953	0.0000	FLOOD RISK	1.008	10	60.7	0.777	0.256	3.1360	
240 minute winter	10	128	9.740	1.440	85.2	2.5536	0.0000	FLOOD RISK	1.009	11	85.2	0.729	0.441	47.8613	
240 minute winter	11	132	9.677	1.877	85.2	0.0000	0.0000	FLOOD RISK	1.010	12	85.4	0.617	0.227	53.3278	
240 minute winter	12	84	7.750	1.000	85.4	0.0000	0.0000	FLOOD RISK	1.011	13	85.4	0.507	0.333	0.2650	
240 minute winter	13	132	9.577	0.077	85.4	0.0000	0.0000	OK	1.012	13_OUT	85.5	3.435	0.053	0.1142	
240 minute winter	13_OUT	132	7.732	0.199	85.5	0.0000	0.0000	OK	Flow through pond	49	169.9	0.056	0.000	625.4727	
240 minute winter	14	124	9.703	0.403	6.8	0.0000	0.0000	FLOOD RISK	2.000	15	-6.8	-0.324	-0.227	0.5138	
240 minute winter	15	120	9.698	0.612	19.6	4.8506	0.0000	FLOOD RISK	2.001	16	10.7	0.760	0.221	0.9254	
240 minute winter	16	120	9.693	0.702	10.7	0.0000	0.0000	FLOOD RISK	2.002	17	10.7	0.745	0.217	0.6320	
240 minute winter	17	120	9.689	0.830	15.8	2.5743	0.0000	FLOOD RISK	2.003	18	15.8	0.744	0.200	1.8750	
240 minute winter	18	124	9.685	1.004	33.2	6.3140	0.0000	FLOOD RISK	2.004	19	27.8	0.782	0.221	5.4890	
240 minute winter	19	120	9.682	1.226	49.4	11.0524	0.0000	FLOOD RISK	2.005	20	49.3	0.852	0.250	4.9828	
240 minute winter	20	128	9.675	1.284	49.3	0.0000	0.0000	FLOOD RISK	2.006	21	49.5	1.173	0.252	3.4979	
240 minute winter	21	124	9.673	1.301	49.8	0.0000	0.0000	FLOOD RISK	2.007	22	50.0	1.035	0.084	3.7404	
240 minute winter	22	120	9.674	1.674	53.8	7.2721	0.0000	FLOOD RISK	2.008	23	53.9	0.824	0.222	53.3017	
240 minute winter	23	80	7.750	1.000	53.9	0.0000	0.0000	FLOOD RISK	2.009	24	53.9	0.496	0.326	0.2648	
240 minute winter	24	120	9.576	0.076	53.9	0.0000	0.0000	OK	2.010	24_OUT	53.9	3.411	0.052	0.1122	
240 minute winter	24_OUT	120	7.729	0.196	53.9	0.0000	0.0000	OK	Flow through pond	49	169.9	0.056	0.000	625.4727	
240 minute winter	25	124	8.621	0.025	1.1	0.0161	0.0000	OK	3.000	26	1.1	0.438	0.061	0.0899	
240 minute winter	26	124	8.479	0.035	2.2	0.0778	0.0000	OK	3.001	27	1.9	0.594	0.121	0.1292	
									Infiltration		0.3				
240 minute winter	27	128	8.152	0.037	3.0	0.0999	0.0000	OK	3.002	28	2.7	0.760	0.131	0.1138	
									Infiltration		0.4				
240 minute winter	28	128	7.734	0.038	3.6	0.0787	0.0000	OK	3.003	29	3.5	0.902	0.149	0.1394	
									Infiltration		0.2				
240 minute winter	29	132	7.105	0.043	4.8	0.0744	0.0000	OK	3.004	30	4.4	1.109	0.159	0.0270	
									Infiltration		0.2				
240 minute winter	30	132	6.858	0.033	4.5	0.0040	0.0000	OK	3.005	31	4.5	0.154	0.002	0.8716	
240 minute winter	31	128	6.811	0.116	4.8	0.0139	0.0000	OK	3.006	32	4.6	0.097	0.002	1.2647	
									Infiltration		0.9				

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240 minute winter	32	128	6.811	0.166	4.2	0.0199	0.0000 OK	3.007	33	2.5	0.041	0.002	0.8968	
								Infiltration		0.8				
								Infiltration		1.0				
240 minute winter	33	128	6.810	0.035	2.7	0.0042	0.0000 OK	3.008	34	2.7	0.163	0.002	0.3181	
240 minute winter	34	148	6.801	0.056	2.9	0.0058	0.0000 OK	3.009	35	2.4	0.192	0.001	0.5448	
								Infiltration		0.5				
240 minute winter	35	148	6.801	0.126	2.8	0.0152	0.0000 OK	3.010	36	1.8	0.034	0.001	2.0204	
								Infiltration		0.8				
240 minute winter	36	148	6.801	0.296	2.9	0.0338	0.0000 OK	3.011	37	0.9	0.000	0.000	0.0000	
								Infiltration		1.1				
240 minute winter	37	124	6.509	0.004	0.2	0.0005	0.0000 OK	3.012	38	0.2	0.034	0.000	1.0088	
240 minute winter	38	148	6.405	0.140	1.5	0.0188	0.0000 OK	3.013	39	-1.1	-0.075	-0.001	0.8729	
								Infiltration		0.8				
								Infiltration		0.8				
240 minute winter	39	124	6.466	0.011	1.1	0.0013	0.0000 OK	3.014	40	-0.9	-0.171	-0.001	0.0710	
								Infiltration		0.0				
240 minute winter	40	124	6.704	0.008	0.9	0.0011	0.0000 OK	3.015	41	-0.7	-0.152	0.000	0.0594	
								Infiltration		0.0				
240 minute winter	41	120	6.874	0.009	0.7	0.0010	0.0000 OK	3.016	42	-0.5	-0.128	0.000	0.0499	
								Infiltration		0.0				
240 minute winter	42	120	7.092	0.007	0.5	0.0008	0.0000 OK	3.017	43	-0.3	-0.084	0.000	0.0488	
								Infiltration		0.0				
240 minute winter	43	116	7.153	0.008	0.3	0.0010	0.0000 OK	3.018	44	-0.1	-0.041	0.000	0.0383	
								Infiltration		0.0				
240 minute winter	44	124	7.229	0.004	0.2	0.0005	0.0000 OK	3.019	45	0.1	0.030	0.000	0.0309	
240 minute winter	45	128	7.201	0.006	0.3	0.0008	0.0000 OK	3.020	46	0.3	0.078	0.000	0.0440	
								Infiltration		0.0				
240 minute winter	46	132	7.132	0.007	0.5	0.0008	0.0000 OK	3.021	47	0.5	0.115	0.000	0.0550	
								Infiltration		0.0				
240 minute winter	47	128	6.974	0.008	0.7	0.0010	0.0000 OK	3.022	48	0.8	0.077	0.000	0.1222	
								Infiltration		0.0				
240 minute winter	48	136	6.820	0.025	0.8	0.0029	0.0000 OK	3.023	53	0.9	0.089	0.001	0.1972	
								Infiltration		0.0				
240 minute winter	49	264	7.590	-0.410	186.2	0.0000	0.0000 OK	Orifice	50	0.0				
								Infiltration		0.0				
240 minute winter	50	4	7.400	0.000	0.0	0.0000	0.0000 OK	4.001	51	0.0	0.000	0.000	0.0000	
240 minute winter	51	4	7.300	0.000	0.0	0.0000	0.0000 OK	4.002	52	0.0	0.000	0.000	0.0000	
240 minute winter	52	4	7.200	0.000	0.0	0.0000	0.0000 OK	4.003	53	0.0	0.000	0.000	0.0000	
240 minute winter	53	184	6.817	0.032	1.1	0.0038	0.0000 OK	3.024	54	1.0	0.117	0.000	1.0478	
								Infiltration		0.1				
240 minute winter	54	184	6.817	0.192	1.2	0.0230	0.0000 OK	3.025	54_OUT	0.5	0.037	0.000	2.3808	
								Infiltration		0.2				
240 minute winter	54_OUT	184	6.817	0.312	0.7	0.0374	0.0000 OK	Infiltration		0.3				

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240 minute winter	55	120	8.475	0.029	0.6	0.0097	0.0000 OK	5.000	56	0.6	0.250	0.081	0.0402
240 minute winter	56	132	8.446	0.030	1.2	0.0778	0.0000 OK	5.001	57	1.1	0.320	0.086	0.0723
								Infiltration		0.1			
240 minute winter	57	132	8.355	0.045	1.7	0.0659	0.0000 OK	5.002	58	1.5	0.329	0.197	0.2174
								Infiltration		0.1			
240 minute winter	58	172	8.338	0.093	2.2	0.5261	0.0000 OK	5.003	59	1.5	0.333	0.242	0.3095
								Infiltration		0.4			
240 minute winter	59	172	8.338	0.133	2.4	0.7025	0.0000 OK	5.004	60	1.4	0.083	0.002	3.1797
								Infiltration		0.3			
240 minute winter	60	172	8.338	0.153	2.6	0.0519	0.0000 OK	5.005	61	0.5	0.031	0.001	5.4818
								Infiltration		0.4			
240 minute winter	61	172	8.338	0.202	1.1	0.0686	0.0000 OK	5.006	62	0.9	0.000	0.000	0.0000
								Infiltration		0.5			
240 minute winter	62	132	8.147	0.011	0.6	0.0037	0.0000 OK	5.007	63	0.6	0.051	0.003	3.0996
240 minute winter	63	184	7.979	0.143	1.2	0.0467	0.0000 OK	5.008	63_OUT	0.3	0.019	0.000	3.0262
								Infiltration		0.3			
240 minute winter	63_OUT	184	7.979	0.214	0.8	0.0728	0.0000 OK	Infiltration		0.3			
240 minute winter	64	216	6.302	0.117	0.3	0.0187	0.0000 OK	6.000	65	0.2	0.044	0.000	0.9992
240 minute winter	65	216	6.302	0.177	0.5	0.0283	0.0000 OK	6.001	66	0.2	0.050	0.000	1.8100
								Infiltration		0.1			
240 minute winter	66	216	6.302	0.208	0.4	0.0330	0.0000 OK	6.002	67	0.2	0.023	0.000	0.9891
								Infiltration		0.1			
240 minute winter	67	216	6.302	0.228	0.3	0.0350	0.0000 OK	6.003	68	0.3	0.000	0.000	0.0000
								Infiltration		0.1			
240 minute winter	68	132	6.082	0.006	0.3	0.0008	0.0000 OK	6.004	69	0.3	0.037	0.000	2.1436
240 minute winter	69	216	5.976	0.211	0.5	0.0338	0.0000 OK	6.005	70	0.9	0.050	0.000	0.0000
								Infiltration		0.2			
240 minute winter	70	184	5.810	0.055	0.3	0.0087	0.0000 OK	6.006	71	0.3	0.042	0.000	0.4975
240 minute winter	71	184	5.810	0.125	0.6	0.0200	0.0000 OK	6.007	72	0.2	0.011	0.000	1.9159
								Infiltration		0.1			
240 minute winter	72	184	5.810	0.125	0.5	0.0200	0.0000 OK	6.008	73	0.9	0.000	0.000	0.0000
								Infiltration		0.2			
240 minute winter	73	216	5.928	0.224	0.3	0.0359	0.0000 OK	6.009	74	0.2	0.016	0.000	0.9726
240 minute winter	74	216	5.928	0.224	0.5	0.0359	0.0000 OK	6.010	75	0.2	0.043	0.000	1.1013
								Infiltration		0.1			
240 minute winter	75	216	5.928	0.224	0.4	0.0359	0.0000 OK	6.011	76	0.3	0.034	0.000	1.2828
								Infiltration		0.1			
240 minute winter	76	216	5.928	0.294	0.4	0.0447	0.0000 OK	6.012	76_OUT	0.1	-0.007	0.000	1.4182
								Infiltration		0.1			
240 minute winter	76_OUT	216	5.928	0.294	0.3	0.0471	0.0000 OK	Infiltration		0.1			

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Results for 2 year 360 minute summer. 600 minute analysis at 5 minute timestep. Mass balance: 82.18%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	1	192	9.757	0.457	5.1	0.0000	0.0000	FLOOD RISK	1.000	2	-5.1	-0.394	-0.233	0.4653	
360 minute summer	2	192	9.758	0.508	12.2	0.0000	0.0000	FLOOD RISK	1.001	3	-12.2	-0.415	-0.611	1.1264	
360 minute summer	3	192	9.757	0.607	15.2	0.0000	0.0000	FLOOD RISK	1.002	4	-15.2	-0.485	-0.717	0.4986	
360 minute summer	4	192	9.750	0.650	18.7	0.0000	0.0000	FLOOD RISK	1.003	5	-18.7	-0.533	-0.724	0.8441	
360 minute summer	5	192	9.750	0.750	18.3	0.0000	0.0000	FLOOD RISK	1.004	6	-18.3	-0.585	-0.489	0.1521	
360 minute summer	6	192	9.751	0.851	31.7	7.0130	0.0000	FLOOD RISK	1.005	7	-17.8	0.828	-0.369	0.7796	
360 minute summer	7	192	9.744	0.994	22.2	4.0524	0.0000	FLOOD RISK	1.006	8	19.7	0.788	0.281	2.4923	
360 minute summer	8	192	9.736	1.186	33.5	8.1400	0.0000	FLOOD RISK	1.007	9	34.5	0.798	0.318	5.9230	
360 minute summer	9	192	9.726	1.376	57.1	13.3625	0.0000	FLOOD RISK	1.008	10	56.7	0.728	0.248	3.1369	
360 minute summer	10	192	9.722	1.422	63.0	2.5212	0.0000	FLOOD RISK	1.009	11	63.7	0.596	0.431	47.8613	
360 minute summer	11	192	9.671	1.671	63.7	0.0000	0.0000	FLOOD RISK	1.010	12	63.8	0.538	0.221	53.3278	
360 minute summer	12	128	7.750	1.000	63.8	0.0000	0.0000	FLOOD RISK	1.011	13	63.8	0.495	0.325	0.2845	
360 minute summer	13	192	9.575	0.075	63.8	0.0000	0.0000	OK	1.012	13_OUT	63.8	3.409	0.052	0.1122	
360 minute summer	13_OUT	192	7.729	0.196	63.8	0.0000	0.0000	OK	Flow through pond	49	152.2	0.043	0.000	635.6313	
360 minute summer	14	176	9.712	0.412	0.9	0.0000	0.0000	FLOOD RISK	2.000	15	-0.9	-0.028	-0.030	0.8136	
360 minute summer	15	184	9.699	0.613	10.5	4.8616	0.0000	FLOOD RISK	2.001	16	9.9	0.686	0.294	0.9254	
360 minute summer	16	184	9.696	0.705	10.8	0.0000	0.0000	FLOOD RISK	2.002	17	10.0	0.687	0.293	0.6329	
360 minute summer	17	184	9.663	0.834	15.2	2.5887	0.0000	FLOOD RISK	2.003	18	15.2	0.688	0.194	1.8750	
360 minute summer	18	184	9.589	1.006	26.3	8.3423	0.0000	FLOOD RISK	2.004	19	27.6	0.694	0.219	5.4890	
360 minute summer	19	184	9.582	1.228	50.1	11.0560	0.0000	FLOOD RISK	2.005	20	49.1	0.751	0.249	4.0528	
360 minute summer	20	184	9.580	1.269	49.1	0.0000	0.0000	FLOOD RISK	2.006	21	49.2	1.052	0.248	3.4979	
360 minute summer	21	184	9.578	1.306	49.2	0.0000	0.0000	FLOOD RISK	2.007	22	49.2	0.853	0.083	3.7404	
360 minute summer	22	184	9.575	1.675	63.7	7.2779	0.0000	FLOOD RISK	2.008	23	63.8	0.578	0.221	53.3017	
360 minute summer	23	120	7.750	1.000	63.8	0.0000	0.0000	FLOOD RISK	2.009	24	63.8	0.493	0.324	0.2845	
360 minute summer	24	184	9.575	0.075	63.6	0.0000	0.0000	OK	2.010	24_OUT	63.5	3.403	0.051	0.1117	
360 minute summer	24_OUT	184	7.728	0.195	63.5	0.0000	0.0000	OK	Flow through pond	49	152.2	0.043	0.000	635.6313	
360 minute summer	25	184	8.822	0.028	1.2	0.0167	0.0000	OK	3.000	28	1.2	0.447	0.066	0.0943	
360 minute summer	26	184	8.471	0.036	2.4	0.0821	0.0000	OK	3.001	27	2.0	0.605	0.128	0.1345	
									Infiltration		0.3				
360 minute summer	27	184	8.153	0.036	3.2	0.1044	0.0000	OK	3.002	28	2.8	0.772	0.138	0.1178	
									Infiltration		0.4				
360 minute summer	28	184	7.735	0.040	4.0	0.0818	0.0000	OK	3.003	29	3.7	0.913	0.155	0.1442	
									Infiltration		0.3				
360 minute summer	29	184	7.109	0.044	4.9	0.0774	0.0000	OK	3.004	30	4.6	1.122	0.186	0.0279	
									Infiltration		0.2				
360 minute summer	30	184	6.859	0.034	4.8	0.0040	0.0000	OK	3.005	31	4.6	0.141	0.002	0.8708	
360 minute summer	31	192	6.811	0.118	5.0	0.0140	0.0000	OK	3.006	32	3.6	0.083	0.002	1.2588	
									Infiltration		0.9				

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360 minute summer	32	192	6.811	0.166	4.0	0.0199	0.0000	OK	3.007	33	2.3	0.038	0.002	0.9008
									Infiltration		0.8			
									Infiltration		1.0			
360 minute summer	33	192	6.810	0.035	2.5	0.0042	0.0000	OK	3.008	34	2.5	0.155	0.002	0.2218
360 minute summer	34	208	6.781	0.036	2.7	0.0044	0.0000	OK	3.009	35	2.5	0.196	0.001	0.4137
									Infiltration		0.4			
360 minute summer	35	208	5.781	0.105	2.7	0.0128	0.0000	OK	3.010	36	1.9	0.035	0.001	1.7873
									Infiltration		0.5			
360 minute summer	36	208	6.781	0.278	2.1	0.0315	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.0			
360 minute summer	37	192	6.509	0.004	0.2	0.0005	0.0000	OK	3.012	38	0.2	0.040	0.000	0.9508
360 minute summer	38	200	6.396	0.133	1.5	0.0160	0.0000	OK	3.013	39	-1.1	-0.088	-0.001	0.6356
									Infiltration		0.6			
									Infiltration		0.7			
360 minute summer	39	192	6.468	0.011	1.1	0.0013	0.0000	OK	3.014	40	-0.9	-0.171	-0.001	0.0710
									Infiltration		0.0			
360 minute summer	40	192	5.704	0.008	0.9	0.0011	0.0000	OK	3.015	41	-0.7	-0.152	0.000	0.0594
									Infiltration		0.0			
360 minute summer	41	192	6.874	0.009	0.7	0.0010	0.0000	OK	3.016	42	-0.5	-0.129	0.000	0.0489
									Infiltration		0.0			
360 minute summer	42	192	7.092	0.007	0.5	0.0008	0.0000	OK	3.017	43	-0.3	-0.084	0.000	0.0488
									Infiltration		0.0			
360 minute summer	43	184	7.153	0.003	0.3	0.0010	0.0000	OK	3.018	44	-0.1	-0.041	0.000	0.0383
									Infiltration		0.0			
360 minute summer	44	192	7.229	0.004	0.2	0.0005	0.0000	OK	3.019	45	0.1	0.030	0.000	0.0309
360 minute summer	45	192	7.201	0.006	0.3	0.0005	0.0000	OK	3.020	46	0.3	0.075	0.000	0.0440
									Infiltration		0.0			
360 minute summer	46	192	7.132	0.007	0.5	0.0008	0.0000	OK	3.021	47	0.5	0.115	0.000	0.0550
									Infiltration		0.0			
360 minute summer	47	200	6.974	0.008	0.7	0.0010	0.0000	OK	3.022	48	0.6	0.078	0.000	0.1222
									Infiltration		0.0			
360 minute summer	48	200	6.820	0.025	0.8	0.0029	0.0000	OK	3.023	53	0.8	0.089	0.001	0.1278
									Infiltration		0.0			
360 minute summer	49	472	7.590	-0.410	157.3	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
360 minute summer	50	8	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
360 minute summer	51	8	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
360 minute summer	52	8	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
360 minute summer	53	240	5.805	0.020	1.0	0.0024	0.0000	OK	3.024	54	1.0	0.117	0.000	0.9348
									Infiltration		0.1			
360 minute summer	54	240	6.805	0.180	1.2	0.0216	0.0000	OK	3.025	54_OUT	0.5	0.034	0.000	2.7124
									Infiltration		0.2			
360 minute summer	54_OUT	240	6.805	0.300	0.7	0.0360	0.0000	OK	Infiltration		0.3			

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360 minute summer	55	184	8.474	0.028	0.6	0.0097	0.0000	OK	5.006	56	0.6	0.251	0.080	0.0394
360 minute summer	56	184	8.445	0.029	1.2	0.0749	0.0000	OK	5.001	57	1.0	0.318	0.083	0.0895
									Infiltration		0.1			
360 minute summer	57	184	8.353	0.043	1.6	0.0852	0.0000	OK	5.002	58	1.5	0.326	0.155	0.1650
									Infiltration		0.1			
360 minute summer	58	224	8.314	0.069	2.1	0.3292	0.0000	OK	5.003	59	1.7	0.328	0.229	0.2410
									Infiltration		0.4			
360 minute summer	59	224	8.314	0.109	2.3	0.5590	0.0000	OK	5.004	60	1.3	0.051	0.002	2.5822
									Infiltration		0.3			
360 minute summer	60	224	8.314	0.129	1.9	0.0440	0.0000	OK	5.005	61	0.5	0.030	0.001	4.5974
									Infiltration		0.3			
360 minute summer	61	224	8.314	0.178	1.1	0.0508	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.5			
360 minute summer	62	184	8.148	0.010	0.6	0.0035	0.0000	OK	5.007	63	0.6	0.043	0.000	2.6522
360 minute summer	63	232	7.961	0.125	1.2	0.0425	0.0000	OK	5.008	63_OUT	0.2	0.019	0.000	2.6560
									Infiltration		0.3			
360 minute summer	63_OUT	232	7.961	0.196	0.6	0.0568	0.0000	OK	Infiltration		0.3			
360 minute summer	64	256	6.274	0.089	0.3	0.0143	0.0000	OK	6.000	65	0.2	0.048	0.000	0.7817
360 minute summer	65	256	6.274	0.149	0.5	0.0239	0.0000	OK	6.001	66	0.2	0.042	0.000	1.3287
									Infiltration		0.1			
360 minute summer	66	256	6.274	0.181	0.5	0.0287	0.0000	OK	6.002	67	-0.1	0.021	0.000	0.8323
									Infiltration		0.1			
360 minute summer	67	256	6.274	0.193	0.3	0.0308	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
360 minute summer	68	192	6.082	0.008	0.3	0.0008	0.0000	OK	6.004	69	0.3	0.022	0.000	1.8293
360 minute summer	69	256	5.951	0.186	0.6	0.0295	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
360 minute summer	70	256	5.792	0.037	0.3	0.0060	0.0000	OK	6.006	71	0.3	0.050	0.000	0.3925
360 minute summer	71	256	5.792	0.107	0.6	0.0172	0.0000	OK	6.007	72	0.2	0.011	0.000	1.8053
									Infiltration		0.1			
360 minute summer	72	256	5.792	0.107	0.5	0.0172	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
360 minute summer	73	256	5.892	0.187	0.3	0.0299	0.0000	OK	6.009	74	0.1	0.018	0.000	0.7871
360 minute summer	74	256	5.892	0.187	0.4	0.0299	0.0000	OK	6.010	75	0.2	0.043	0.000	0.8686
									Infiltration		0.1			
360 minute summer	75	256	5.892	0.187	0.4	0.0299	0.0000	OK	6.011	76	0.3	0.034	0.000	1.0438
									Infiltration		0.1			
360 minute summer	76	256	5.892	0.257	0.4	0.0390	0.0000	OK	6.012	76_OUT	0.1	0.005	0.000	1.1781
									Infiltration		0.1			
360 minute summer	76_OUT	256	5.892	0.257	0.3	0.0411	0.0000	OK	Infiltration		0.1			

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Results for 2 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 92.84%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	1	184	9.690	0.390	2.8	0.0000	0.0000	FLOOD RISK	1.000	2	-2.8	-0.111	-0.128	0.4653	
360 minute winter	2	184	9.691	0.441	10.8	0.0000	0.0000	FLOOD RISK	1.001	3	-10.8	-0.341	-0.532	1.1264	
360 minute winter	3	184	9.694	0.544	12.0	0.0000	0.0000	FLOOD RISK	1.002	4	-12.0	-0.384	-0.568	0.4986	
360 minute winter	4	184	9.687	0.587	12.8	0.0000	0.0000	FLOOD RISK	1.003	5	-12.8	-0.408	-0.555	0.8441	
360 minute winter	5	184	9.689	0.689	13.7	0.0000	0.0000	FLOOD RISK	1.004	6	-13.7	-0.438	-0.367	0.1621	
360 minute winter	6	184	9.690	0.790	21.8	6.5121	0.0000	FLOOD RISK	1.005	7	-12.0	0.753	-0.247	0.7796	
360 minute winter	7	184	9.685	0.935	22.7	3.6103	0.0000	FLOOD RISK	1.006	8	16.5	0.739	0.234	2.4923	
360 minute winter	8	184	9.678	1.128	28.1	7.7421	0.0000	FLOOD RISK	1.007	9	28.3	0.747	0.262	5.9230	
360 minute winter	9	184	9.670	1.320	47.4	12.8393	0.0000	FLOOD RISK	1.008	10	49.0	0.710	0.207	3.1366	
360 minute winter	10	184	9.667	1.387	52.6	2.4241	0.0000	FLOOD RISK	1.009	11	52.2	0.617	0.353	47.8613	
360 minute winter	11	184	9.634	1.634	52.2	0.0000	0.0000	FLOOD RISK	1.010	12	52.3	0.542	0.182	53.3278	
360 minute winter	12	112	7.750	1.000	52.3	0.0000	0.0000	FLOOD RISK	1.011	13	52.3	0.411	0.266	0.2616	
360 minute winter	13	184	9.568	0.068	52.3	0.0000	0.0000	OK	1.012	13_OUT	52.3	3.209	0.042	0.0976	
360 minute winter	13_OUT	184	7.705	0.171	52.3	0.0000	0.0000	OK	Flow through pond	49	132.9	0.035	0.000	751.3151	
360 minute winter	14	184	9.638	0.338	4.5	0.0000	0.0000	FLOOD RISK	2.000	15	-4.5	-0.155	-0.148	0.5138	
360 minute winter	15	184	9.637	0.551	14.5	4.3646	0.0000	FLOOD RISK	2.001	16	-8.0	0.662	-0.168	0.9254	
360 minute winter	16	184	9.634	0.643	9.6	0.0000	0.0000	FLOOD RISK	2.002	17	-9.6	0.663	-0.196	0.6320	
360 minute winter	17	184	9.632	0.773	12.7	2.3995	0.0000	FLOOD RISK	2.003	18	11.5	0.681	0.147	1.8750	
360 minute winter	18	184	9.631	0.950	26.9	5.9738	0.0000	FLOOD RISK	2.004	19	21.0	0.682	0.167	5.4890	
360 minute winter	19	184	9.627	1.171	37.4	10.5617	0.0000	FLOOD RISK	2.005	20	37.1	0.734	0.188	4.9828	
360 minute winter	20	184	9.625	1.214	37.1	0.0000	0.0000	FLOOD RISK	2.006	21	37.0	1.030	0.187	3.4979	
360 minute winter	21	184	9.624	1.252	37.0	0.0000	0.0000	FLOOD RISK	2.007	22	37.1	0.860	0.062	3.7404	
360 minute winter	22	184	9.622	1.622	47.7	7.0482	0.0000	FLOOD RISK	2.008	23	47.8	0.582	0.166	53.3017	
360 minute winter	23	112	7.750	1.000	47.8	0.0000	0.0000	FLOOD RISK	2.009	24	47.8	0.378	0.243	0.2606	
360 minute winter	24	184	9.586	0.086	47.8	0.0000	0.0000	OK	2.010	24_OUT	47.8	3.125	0.038	0.0915	
360 minute winter	24_OUT	184	7.695	0.161	47.8	0.0000	0.0000	OK	Flow through pond	49	132.9	0.035	0.000	751.3151	
360 minute winter	25	184	8.619	0.023	0.9	0.0146	0.0000	OK	3.000	26	0.9	0.415	0.050	0.0786	
360 minute winter	26	184	8.466	0.031	1.8	0.0639	0.0000	OK	3.001	27	1.5	0.557	0.095	0.1084	
									Infiltration		0.2				
360 minute winter	27	184	8.147	0.032	2.4	0.0800	0.0000	OK	3.002	28	2.1	0.707	0.102	0.0946	
									Infiltration		0.3				
360 minute winter	28	184	7.729	0.034	3.0	0.0635	0.0000	OK	3.003	29	2.7	0.841	0.114	0.1153	
									Infiltration		0.2				
360 minute winter	29	184	7.102	0.037	3.8	0.0597	0.0000	OK	3.004	30	3.4	1.035	0.122	0.0223	
									Infiltration		0.2				
360 minute winter	30	184	6.853	0.028	3.5	0.0034	0.0000	OK	3.005	31	3.5	0.151	0.001	0.7804	
360 minute winter	31	192	6.802	0.107	3.8	0.0129	0.0000	OK	3.006	32	2.9	0.070	0.002	1.1714	
									Infiltration		0.8				

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360 minute winter	32	192	6.802	0.157	3.1	0.0188	0.0000 OK	3.007	33	1.3	0.024	0.001	0.8157	
								Infiltration		0.8				
								Infiltration		0.9				
360 minute winter	33	192	6.802	0.027	1.5	0.0032	0.0000 OK	3.008	34	1.5	0.134	0.001	0.1499	
360 minute winter	34	192	6.762	0.017	1.7	0.0020	0.0000 OK	3.009	35	1.5	0.178	0.001	0.2026	
								Infiltration		0.2				
360 minute winter	35	200	6.735	0.060	1.7	0.0072	0.0000 OK	3.010	36	1.2	0.035	0.000	1.2916	
								Infiltration		0.4				
360 minute winter	36	200	6.735	0.230	1.4	0.0252	0.0000 OK	3.011	37	0.9	0.060	0.000	0.0000	
								Infiltration		0.9				
360 minute winter	37	192	6.508	0.004	0.2	0.0005	0.0000 OK	3.012	38	0.2	0.040	0.000	0.8493	
360 minute winter	38	200	6.387	0.122	1.5	0.0146	0.0000 OK	3.013	39	-1.1	-0.086	-0.001	0.5670	
								Infiltration		0.5				
								Infiltration		0.7				
360 minute winter	39	192	6.466	0.011	1.1	0.0013	0.0000 OK	3.014	40	-0.9	-0.171	-0.001	0.0710	
								Infiltration		0.6				
360 minute winter	40	192	6.704	0.008	0.9	0.0011	0.0000 OK	3.015	41	-0.7	-0.152	0.000	0.0594	
								Infiltration		0.0				
360 minute winter	41	192	6.874	0.009	0.7	0.0010	0.0000 OK	3.016	42	-0.5	-0.128	0.000	0.0499	
								Infiltration		0.0				
360 minute winter	42	192	7.092	0.007	0.5	0.0008	0.0000 OK	3.017	43	-0.3	-0.084	0.000	0.0488	
								Infiltration		0.0				
360 minute winter	43	192	7.153	0.008	0.3	0.0010	0.0000 OK	3.018	44	-0.1	-0.041	0.000	0.0383	
								Infiltration		0.0				
360 minute winter	44	192	7.229	0.004	0.2	0.0005	0.0000 OK	3.019	45	0.1	0.030	0.000	0.0309	
360 minute winter	45	192	7.201	0.006	0.3	0.0008	0.0000 OK	3.020	46	0.3	0.078	0.000	0.0440	
								Infiltration		0.0				
360 minute winter	46	192	7.132	0.007	0.5	0.0008	0.0000 OK	3.021	47	0.5	0.115	0.000	0.0550	
								Infiltration		0.0				
360 minute winter	47	192	6.974	0.008	0.7	0.0010	0.0000 OK	3.022	48	0.8	0.076	0.000	0.1222	
								Infiltration		0.0				
360 minute winter	48	192	6.820	0.025	0.8	0.0029	0.0000 OK	3.023	53	0.8	0.089	0.001	0.1278	
								Infiltration		0.0				
360 minute winter	49	488	7.603	-0.397	138.2	0.0000	0.0000 OK	Orifice	50	0.0				
								Infiltration		0.0				
360 minute winter	50	8	7.400	0.000	0.0	0.0000	0.0000 OK	4.001	51	0.0	0.000	0.000	0.0000	
360 minute winter	51	8	7.300	0.000	0.0	0.0000	0.0000 OK	4.002	52	0.0	0.000	0.000	0.0000	
360 minute winter	52	8	7.200	0.000	0.0	0.0000	0.0000 OK	4.003	53	0.0	0.000	0.000	0.0000	
360 minute winter	53	256	6.804	0.019	1.0	0.0023	0.0000 OK	3.024	54	1.0	0.117	0.000	0.9232	
								Infiltration		0.1				
360 minute winter	54	256	6.804	0.179	1.2	0.0215	0.0000 OK	3.025	54_OUT	0.5	0.034	0.000	2.6955	
								Infiltration		0.2				
360 minute winter	54_OUT	256	6.804	0.299	0.7	0.0359	0.0000 OK	Infiltration		0.3				

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360 minute winter	55	184	8.472	0.026	0.5	0.0088	0.0000 OK	5.000	56	0.5	0.258	0.066	0.0344
360 minute winter	56	184	8.442	0.026	1.0	0.0625	0.0000 OK	5.001	57	0.8	0.300	0.068	0.0800
								Infiltration		0.1			
360 minute winter	57	184	8.349	0.039	1.3	0.0542	0.0000 OK	5.002	58	1.2	0.295	0.150	0.1878
								Infiltration		0.1			
360 minute winter	58	240	8.325	0.080	1.7	0.4238	0.0000 OK	5.003	59	1.2	0.305	0.166	0.2747
								Infiltration		0.4			
360 minute winter	59	240	8.325	0.120	1.7	0.6261	0.0000 OK	5.004	60	1.0	0.055	0.001	2.8490
								Infiltration		0.3			
360 minute winter	60	240	8.325	0.140	1.5	0.0477	0.0000 OK	5.005	61	0.4	0.031	0.000	5.0085
								Infiltration		0.3			
360 minute winter	61	240	8.325	0.159	0.9	0.0644	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.5			
360 minute winter	62	184	8.145	0.099	0.5	0.0031	0.0000 OK	5.007	63	0.5	0.043	0.000	3.0052
360 minute winter	63	256	7.978	0.140	1.0	0.0475	0.0000 OK	5.008	63_OUT	0.2	0.018	0.000	2.9502
								Infiltration		0.3			
360 minute winter	63_OUT	256	7.975	0.211	0.5	0.5716	0.0000 OK	Infiltration		0.3			
360 minute winter	64	272	6.278	0.093	0.2	0.0148	0.0000 OK	6.000	65	0.2	0.046	0.000	0.8057
360 minute winter	65	272	6.278	0.153	0.4	0.0244	0.0000 OK	6.001	66	0.2	0.042	0.000	1.3601
								Infiltration		0.1			
360 minute winter	66	272	6.278	0.185	0.3	0.0292	0.0000 OK	6.002	67	0.1	0.021	0.000	0.5498
								Infiltration		0.1			
360 minute winter	67	272	6.278	0.202	0.2	0.0312	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
360 minute winter	68	184	6.080	0.004	0.2	0.0007	0.0000 OK	6.004	69	0.2	0.022	0.000	1.8780
360 minute winter	69	272	5.955	0.190	0.4	0.0305	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.2			
360 minute winter	70	272	5.791	0.036	0.2	0.0057	0.0000 OK	6.006	71	0.2	0.050	0.000	0.3835
360 minute winter	71	272	5.791	0.106	0.4	0.0168	0.0000 OK	6.007	72	0.1	0.011	0.000	1.5782
								Infiltration		0.1			
360 minute winter	72	272	5.791	0.106	0.3	0.0159	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.2			
360 minute winter	73	272	5.898	0.194	0.2	0.0311	0.0000 OK	6.009	74	0.1	0.016	0.000	0.8054
360 minute winter	74	272	5.898	0.194	0.3	0.0311	0.0000 OK	6.010	75	0.2	0.043	0.000	0.9131
								Infiltration		0.1			
360 minute winter	75	272	5.898	0.194	0.3	0.0311	0.0000 OK	6.011	76	0.3	0.034	0.000	1.0893
								Infiltration		0.1			
360 minute winter	76	272	5.898	0.264	0.4	0.0401	0.0000 OK	6.012	76_OUT	0.1	0.005	0.000	1.2240
								Infiltration		0.1			
360 minute winter	76_OUT	272	5.898	0.264	0.2	0.0423	0.0000 OK	Infiltration		0.1			

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Results for 2 year 480 minute summer, 720 minute analysis at 5 minute timestep. Mass balance: 92.66%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	1	248	9.795	0.405	1.9	0.0000	0.0000	FLOOD RISK	1.000	2	-1.9	-0.060	-0.086	0.4653	
480 minute summer	2	248	9.708	0.458	7.7	0.0000	0.0000	FLOOD RISK	1.001	3	-7.7	-0.247	-0.389	1.1264	
480 minute summer	3	248	9.705	0.555	9.8	0.0000	0.0000	FLOOD RISK	1.002	4	-9.8	-0.314	-0.464	0.4986	
480 minute summer	4	248	9.710	0.610	11.8	0.0000	0.0000	FLOOD RISK	1.003	5	-11.8	-0.377	-0.512	0.8441	
480 minute summer	5	248	9.711	0.711	13.2	0.0000	0.0000	FLOOD RISK	1.004	6	-13.2	-0.423	-0.354	0.1521	
480 minute summer	6	248	9.711	0.811	23.9	5.6847	0.0000	FLOOD RISK	1.005	7	-13.0	0.743	-0.289	0.7796	
480 minute summer	7	248	9.705	0.955	16.5	3.8847	0.0000	FLOOD RISK	1.006	8	16.7	0.727	0.286	2.4923	
480 minute summer	8	248	9.698	1.148	31.3	7.8770	0.0000	FLOOD RISK	1.007	9	31.5	0.723	0.291	5.9230	
480 minute summer	9	248	9.689	1.339	52.2	13.0181	0.0000	FLOOD RISK	1.008	10	51.3	0.673	0.217	3.1369	
480 minute summer	10	248	9.687	1.387	55.2	2.4588	0.0000	FLOOD RISK	1.009	11	55.9	0.519	0.379	47.8613	
480 minute summer	11	248	9.645	1.645	55.9	0.0000	0.0000	FLOOD RISK	1.010	12	55.9	0.499	0.194	53.3278	
480 minute summer	12	180	7.750	1.000	55.9	0.0000	0.0000	FLOOD RISK	1.011	13	55.0	0.438	0.285	0.2826	
480 minute summer	13	248	9.571	0.071	56.0	0.0000	0.0000	OK	1.012	13_OUT	56.0	3.278	0.045	0.1024	
480 minute summer	13_OUT	248	7.713	0.163	56.0	0.0000	0.0000	OK	Flow through pond	49	127.5	0.035	0.000	713.5672	
480 minute summer	14	248	9.654	0.354	3.6	0.0000	0.0000	FLOOD RISK	2.000	15	-3.5	-0.118	-0.120	0.8136	
480 minute summer	15	248	9.652	0.566	15.8	4.4845	0.0000	FLOOD RISK	2.001	16	-9.6	0.651	-0.198	0.9254	
480 minute summer	16	248	9.649	0.658	11.0	0.0000	0.0000	FLOOD RISK	2.002	17	-11.0	0.634	-0.224	0.6320	
480 minute summer	17	248	9.647	0.788	15.9	2.4459	0.0000	FLOOD RISK	2.003	18	12.7	0.638	0.182	1.8750	
480 minute summer	18	248	9.645	0.964	23.0	6.0633	0.0000	FLOOD RISK	2.004	19	22.9	0.647	0.182	5.4890	
480 minute summer	19	248	9.640	1.184	40.7	10.6792	0.0000	FLOOD RISK	2.005	20	40.5	0.894	0.268	4.0528	
480 minute summer	20	248	9.639	1.228	40.6	0.0000	0.0000	FLOOD RISK	2.006	21	40.5	0.974	0.255	3.4979	
480 minute summer	21	248	9.637	1.265	40.6	0.0000	0.0000	FLOOD RISK	2.007	22	40.6	0.767	0.068	3.7404	
480 minute summer	22	248	9.635	1.635	52.1	7.1048	0.0000	FLOOD RISK	2.008	23	52.2	0.529	0.181	53.3017	
480 minute summer	23	192	7.750	1.000	52.2	0.0000	0.0000	FLOOD RISK	2.009	24	52.2	0.411	0.266	0.2618	
480 minute summer	24	248	9.568	0.068	52.2	0.0000	0.0000	OK	2.010	24_OUT	52.2	3.208	0.042	0.0975	
480 minute summer	24_OUT	248	7.705	0.171	52.2	0.0000	0.0000	OK	Flow through pond	49	127.5	0.035	0.000	713.5672	
480 minute summer	25	248	8.819	0.023	0.9	0.0146	0.0000	OK	3.000	26	0.9	0.415	0.050	0.0775	
480 minute summer	26	248	8.467	0.632	1.8	0.0550	0.0000	OK	3.001	27	1.5	0.583	0.098	0.1105	
									Infiltration		0.3				
480 minute summer	27	248	8.148	0.033	2.4	0.0823	0.0000	OK	3.002	28	2.1	0.713	0.105	0.0979	
									Infiltration		0.3				
480 minute summer	28	248	7.730	0.035	3.0	0.0654	0.0000	OK	3.003	29	2.8	0.850	0.119	0.1183	
									Infiltration		0.2				
480 minute summer	29	248	7.103	0.035	3.7	0.0515	0.0000	OK	3.004	30	3.5	1.045	0.127	0.0229	
									Infiltration		0.2				
480 minute summer	30	248	6.854	0.029	3.7	0.0035	0.0000	OK	3.005	31	3.7	0.151	0.002	0.7887	
480 minute summer	31	256	6.803	0.108	3.9	0.0129	0.0000	OK	3.006	32	3.0	0.083	0.002	1.1778	
									Infiltration		0.8				

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480 minute summer	32	256	8.803	0.158	3.2	0.0189	0.0000	OK	3.007	33	1.4	0.025	0.001	0.8214
									Infiltration		0.8			
									Infiltration		0.9			
480 minute summer	33	256	8.802	0.027	1.6	0.0033	0.0000	OK	3.008	34	1.5	0.136	0.001	0.1538
480 minute summer	34	256	8.762	0.017	1.8	0.0021	0.0000	OK	3.009	35	1.6	0.155	0.001	0.2194
									Infiltration		0.2			
480 minute summer	35	264	5.741	0.066	1.8	0.0079	0.0000	OK	3.010	36	1.8	0.035	0.000	1.3535
									Infiltration		0.4			
480 minute summer	36	264	8.741	0.238	1.8	0.0288	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.9			
480 minute summer	37	256	8.509	0.004	0.2	0.0005	0.0000	OK	3.012	38	0.2	0.040	0.000	0.9009
480 minute summer	38	264	5.393	0.128	1.5	0.0153	0.0000	OK	3.013	39	-1.1	-0.068	-0.001	0.6035
									Infiltration		0.5			
									Infiltration		0.7			
480 minute summer	39	256	8.468	0.011	1.1	0.0013	0.0000	OK	3.014	40	-0.9	-0.171	-0.001	0.0710
									Infiltration		0.0			
480 minute summer	40	256	5.704	0.008	0.9	0.0011	0.0000	OK	3.015	41	-0.7	-0.152	0.000	0.0594
									Infiltration		0.0			
480 minute summer	41	256	8.874	0.009	0.7	0.0010	0.0000	OK	3.016	42	-0.5	-0.129	0.000	0.0489
									Infiltration		0.0			
480 minute summer	42	256	7.092	0.007	0.5	0.0008	0.0000	OK	3.017	43	-0.3	-0.084	0.000	0.0488
									Infiltration		0.0			
480 minute summer	43	248	7.153	0.003	0.3	0.0010	0.0000	OK	3.018	44	-0.1	-0.041	0.000	0.0383
									Infiltration		0.0			
480 minute summer	44	248	7.229	0.004	0.2	0.0005	0.0000	OK	3.019	45	0.1	0.030	0.000	0.0309
480 minute summer	45	256	7.201	0.006	0.3	0.0005	0.0000	OK	3.020	46	0.3	0.075	0.000	0.0440
									Infiltration		0.0			
480 minute summer	46	256	7.132	0.007	0.5	0.0008	0.0000	OK	3.021	47	0.5	0.115	0.000	0.0550
									Infiltration		0.0			
480 minute summer	47	256	6.974	0.008	0.7	0.0010	0.0000	OK	3.022	48	0.6	0.078	0.000	0.1222
									Infiltration		0.0			
480 minute summer	48	256	8.820	0.025	0.8	0.0029	0.0000	OK	3.023	53	0.8	0.089	0.001	0.1278
									Infiltration		0.0			
480 minute summer	49	544	7.599	-0.401	130.2	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
480 minute summer	50	8	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
480 minute summer	51	8	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
480 minute summer	52	8	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
480 minute summer	53	304	5.801	0.015	1.0	0.0020	0.0000	OK	3.024	54	1.0	0.117	0.000	0.8958
									Infiltration		0.0			
480 minute summer	54	304	8.801	0.178	1.2	0.0212	0.0000	OK	3.025	54_OUT	0.5	0.034	0.000	2.6542
									Infiltration		0.2			
480 minute summer	54_OUT	304	8.801	0.296	0.7	0.0355	0.0000	OK	Infiltration		0.3			

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480 minute summer	55	248	8.472	0.026	0.5	0.0089	0.0000	OK	5.006	56	0.5	0.238	0.068	0.0353
480 minute summer	56	248	8.443	0.027	1.0	0.0655	0.0000	OK	5.001	57	0.9	0.302	0.071	0.0830
									Infiltration		0.1			
480 minute summer	57	248	8.350	0.040	1.4	0.0579	0.0000	OK	5.002	58	1.3	0.310	0.152	0.1524
									Infiltration		0.1			
480 minute summer	58	288	8.310	0.065	1.8	0.2945	0.0000	OK	5.003	59	1.5	0.300	0.291	0.2285
									Infiltration		0.4			
480 minute summer	59	288	8.310	0.105	2.0	0.5344	0.0000	OK	5.004	60	1.2	0.049	0.002	2.4808
									Infiltration		0.3			
480 minute summer	60	288	8.310	0.125	1.7	0.0425	0.0000	OK	5.005	61	0.5	0.031	0.001	4.4518
									Infiltration		0.3			
480 minute summer	61	288	8.310	0.174	1.0	0.0593	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.5			
480 minute summer	62	248	8.148	0.010	0.5	0.0033	0.0000	OK	5.007	63	0.5	0.043	0.000	2.6498
480 minute summer	63	304	7.961	0.125	1.0	0.0425	0.0000	OK	5.008	63_OUT	0.2	0.018	0.000	2.6562
									Infiltration		0.3			
480 minute summer	63_OUT	304	7.961	0.196	0.5	0.0668	0.0000	OK	Infiltration		0.3			
480 minute summer	64	320	6.253	0.066	0.2	0.0108	0.0000	OK	6.000	65	0.2	0.048	0.000	0.6175
480 minute summer	65	320	6.253	0.126	0.4	0.0204	0.0000	OK	6.001	66	0.2	0.042	0.000	1.1150
									Infiltration		0.1			
480 minute summer	66	320	6.253	0.160	0.3	0.0252	0.0000	OK	6.002	67	0.1	0.021	0.000	0.7128
									Infiltration		0.1			
480 minute summer	67	320	6.253	0.177	0.2	0.0274	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
480 minute summer	68	256	6.080	0.004	0.2	0.0007	0.0000	OK	6.004	69	0.2	0.022	0.000	1.5972
480 minute summer	69	320	5.902	0.167	0.4	0.0286	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
480 minute summer	70	320	5.775	0.020	0.2	0.0033	0.0000	OK	6.006	71	0.2	0.050	0.000	0.2942
480 minute summer	71	320	5.775	0.090	0.4	0.0145	0.0000	OK	6.007	72	0.1	0.011	0.000	1.3125
									Infiltration		0.1			
480 minute summer	72	320	5.775	0.090	0.3	0.0145	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
480 minute summer	73	320	5.866	0.161	0.2	0.0257	0.0000	OK	6.009	74	0.1	0.018	0.000	0.8345
480 minute summer	74	320	5.866	0.161	0.3	0.0257	0.0000	OK	6.010	75	0.2	0.043	0.000	0.7185
									Infiltration		0.1			
480 minute summer	75	320	5.866	0.161	0.3	0.0257	0.0000	OK	6.011	76	0.3	0.034	0.000	0.8583
									Infiltration		0.1			
480 minute summer	76	320	5.866	0.231	0.4	0.0350	0.0000	OK	6.012	75_OUT	0.1	0.005	0.000	1.0214
									Infiltration		0.1			
480 minute summer	76_OUT	320	5.866	0.231	0.2	0.0369	0.0000	OK	Infiltration		0.1			

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Results for 2 year 480 minute winter, 720 minute analysis at 8 minute timestep. Mass balance: 93.32%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	1	232	9.647	0.347	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.3	0.011	0.018	0.4653	
480 minute winter	2	232	9.643	0.398	6.0	0.0000	0.0000	FLOOD RISK	1.001	3	-6.0	-0.313	-0.300	1.1264	
480 minute winter	3	232	9.643	0.498	8.8	0.0000	0.0000	FLOOD RISK	1.002	4	-8.8	-0.275	-0.406	0.4966	
480 minute winter	4	232	9.649	0.549	8.9	0.0000	0.0000	FLOOD RISK	1.003	5	-8.9	-0.284	-0.388	0.8441	
480 minute winter	5	232	9.654	0.654	9.7	0.0000	0.0000	FLOOD RISK	1.004	6	-9.7	-0.310	-0.260	0.1621	
480 minute winter	6	232	9.655	0.755	16.8	6.2274	0.0000	FLOOD RISK	1.005	7	9.4	0.793	0.195	0.7796	
480 minute winter	7	232	9.653	0.903	13.9	3.5789	0.0000	FLOOD RISK	1.006	8	14.1	0.691	0.201	2.4923	
480 minute winter	8	232	9.648	1.098	23.2	7.5379	0.0000	FLOOD RISK	1.007	9	23.5	0.701	0.217	5.9230	
480 minute winter	9	232	9.643	1.293	38.5	12.5735	0.0000	FLOOD RISK	1.008	10	38.7	0.657	0.163	3.1369	
480 minute winter	10	232	9.640	1.340	41.5	2.3755	0.0000	FLOOD RISK	1.009	11	41.7	0.558	0.282	47.8613	
480 minute winter	11	232	9.610	1.610	41.7	0.0000	0.0000	FLOOD RISK	1.010	12	41.4	0.498	0.144	53.3278	
480 minute winter	12	144	7.750	1.000	41.4	0.0000	0.0000	FLOOD RISK	1.011	13	41.4	0.330	0.211	0.2586	
480 minute winter	13	232	9.562	0.062	41.4	0.0000	0.0000	OK	1.012	13_OUT	41.3	2.984	0.033	0.0829	
480 minute winter	13_OUT	232	7.680	0.146	41.3	0.0000	0.0000	OK	Flow through pond	49	119.8	0.034	0.000	839.0551	
480 minute winter	14	240	9.607	0.307	2.2	0.0000	0.0000	FLOOD RISK	2.000	15	-2.2	-0.069	-0.072	0.5138	
480 minute winter	15	248	9.607	0.521	8.3	4.1283	0.0000	FLOOD RISK	2.001	16	6.2	0.622	0.128	0.9254	
480 minute winter	16	248	9.605	0.614	6.2	0.0000	0.0000	FLOOD RISK	2.002	17	6.2	0.624	0.139	0.6320	
480 minute winter	17	248	9.604	0.745	9.4	2.3122	0.0000	FLOOD RISK	2.003	18	9.4	0.608	0.120	1.8750	
480 minute winter	18	248	9.603	0.922	17.1	5.7990	0.0000	FLOOD RISK	2.004	19	17.1	0.653	0.136	5.4890	
480 minute winter	19	248	9.600	1.144	30.3	10.3198	0.0000	FLOOD RISK	2.005	20	30.3	0.673	0.153	4.9828	
480 minute winter	20	248	9.599	1.188	30.3	0.0000	0.0000	FLOOD RISK	2.006	21	30.3	0.945	0.153	3.4979	
480 minute winter	21	248	9.598	1.226	30.3	0.0000	0.0000	FLOOD RISK	2.007	22	30.3	0.812	0.051	3.7404	
480 minute winter	22	248	9.596	1.596	38.8	6.9397	0.0000	FLOOD RISK	2.008	23	38.8	0.510	0.135	53.3017	
480 minute winter	23	136	7.750	1.000	38.8	0.0000	0.0000	FLOOD RISK	2.009	24	38.8	0.310	0.198	0.2580	
480 minute winter	24	248	9.580	0.980	38.8	0.0000	0.0000	OK	2.010	24_OUT	38.8	2.931	0.031	0.0793	
480 minute winter	24_OUT	248	7.675	0.142	38.8	0.0000	0.0000	OK	Flow through pond	49	119.8	0.034	0.000	839.0551	
480 minute winter	25	232	8.618	0.020	0.7	0.0130	0.0000	OK	3.000	26	0.7	0.369	0.009	0.0644	
480 minute winter	26	232	8.463	0.028	1.4	0.0522	0.0000	OK	3.001	27	1.2	0.519	0.074	0.0908	
									Infiltration		0.2				
480 minute winter	27	240	8.144	0.029	1.9	0.0647	0.0000	OK	3.002	28	1.6	0.657	0.079	0.0793	
									Infiltration		0.3				
480 minute winter	28	240	7.725	0.030	2.3	0.0520	0.0000	OK	3.003	29	2.1	0.755	0.089	0.0961	
									Infiltration		0.2				
480 minute winter	29	240	7.098	0.033	2.8	0.0487	0.0000	OK	3.004	30	2.7	0.967	0.095	0.0186	
									Infiltration		0.2				
480 minute winter	30	240	6.849	0.024	2.8	0.0028	0.0000	OK	3.005	31	2.8	0.138	0.001	0.6851	
480 minute winter	31	264	6.791	0.096	2.9	0.0115	0.0000	OK	3.006	32	2.1	0.070	0.001	1.0551	
									Infiltration		0.7				

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480 minute winter	32	264	6.791	0.146	2.2	0.0175	0.0000 OK	3.007	33	0.5	0.011	0.000	0.7130	
								Infiltration		0.8				
								Infiltration		0.9				
480 minute winter	33	264	6.791	0.016	0.5	0.0019	0.0000 OK	3.008	34	0.5	0.093	0.000	0.0902	
480 minute winter	34	264	6.756	0.011	0.7	0.0013	0.0000 OK	3.009	35	0.5	0.125	0.000	0.0478	
								Infiltration		0.1				
480 minute winter	35	264	6.683	0.008	0.7	0.0010	0.0000 OK	3.010	36	0.7	0.035	0.000	0.6966	
								Infiltration		0.1				
480 minute winter	36	272	6.684	0.159	0.8	0.0181	0.0000 OK	3.011	37	0.9	0.000	0.000	0.0000	
								Infiltration		0.7				
480 minute winter	37	184	6.508	0.003	0.1	0.0003	0.0000 OK	3.012	38	0.1	0.040	0.000	0.5364	
480 minute winter	38	336	6.347	0.062	0.7	0.0098	0.0000 OK	3.013	39	-0.5	-0.086	0.000	0.3605	
								Infiltration		0.3				
								Infiltration		0.4				
480 minute winter	39	184	6.462	0.007	0.5	0.0009	0.0000 OK	3.014	40	-0.4	-0.130	0.000	0.0481	
								Infiltration		0.0				
480 minute winter	40	184	6.701	0.006	0.4	0.0007	0.0000 OK	3.015	41	-0.3	-0.116	0.000	0.0356	
								Infiltration		0.0				
480 minute winter	41	184	6.871	0.006	0.3	0.0007	0.0000 OK	3.016	42	-0.2	-0.097	0.000	0.0324	
								Infiltration		0.0				
480 minute winter	42	176	7.089	0.004	0.3	0.0005	0.0000 OK	3.017	43	-0.2	-0.064	0.000	0.0319	
								Infiltration		0.0				
480 minute winter	43	176	7.150	0.005	0.2	0.0006	0.0000 OK	3.018	44	-0.1	-0.032	0.000	0.0251	
								Infiltration		0.0				
480 minute winter	44	184	7.228	0.003	0.1	0.0003	0.0000 OK	3.019	45	0.0	0.023	0.000	0.0202	
480 minute winter	45	200	7.199	0.004	0.1	0.0005	0.0000 OK	3.020	46	0.1	0.059	0.000	0.0286	
								Infiltration		0.0				
480 minute winter	46	200	7.130	0.005	0.2	0.0005	0.0000 OK	3.021	47	0.2	0.087	0.000	0.0357	
								Infiltration		0.0				
480 minute winter	47	200	6.971	0.006	0.3	0.0007	0.0000 OK	3.022	48	0.3	0.080	0.000	0.0828	
								Infiltration		0.0				
480 minute winter	48	208	6.612	0.017	0.4	0.0021	0.0000 OK	3.023	53	0.4	0.065	0.001	0.1041	
								Infiltration		0.0				
480 minute winter	49	600	7.613	-0.387	124.4	0.0000	0.0000 OK	Orifice	50	0.0				
								Infiltration		0.0				
480 minute winter	50	8	7.400	0.000	0.0	0.0000	0.0000 OK	4.001	51	0.0	0.000	0.000	0.0000	
480 minute winter	51	8	7.300	0.000	0.0	0.0000	0.0000 OK	4.002	52	0.0	0.000	0.000	0.0000	
480 minute winter	52	8	7.200	0.000	0.0	0.0000	0.0000 OK	4.003	53	0.0	0.000	0.000	0.0000	
480 minute winter	53	344	6.798	0.014	0.5	0.0017	0.0000 OK	3.024	54	0.5	0.117	0.000	0.8754	
								Infiltration		0.0				
480 minute winter	54	336	6.799	0.174	0.5	0.0208	0.0000 OK	3.025	54_OUT	0.5	0.034	0.000	2.6242	
								Infiltration		0.2				
480 minute winter	54_OUT	336	6.799	0.294	0.7	0.0353	0.0000 OK	Infiltration		0.3				

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480 minute winter	55	240	8.470	0.024	0.4	0.0080	0.0000	OK	5.000	56	0.4	0.224	0.054	0.0300
480 minute winter	56	256	8.446	0.024	0.8	0.0531	0.0000	OK	5.001	57	0.7	0.283	0.056	0.0532
									Infiltration		0.1			
480 minute winter	57	256	8.348	0.036	1.1	0.0471	0.0000	OK	5.002	58	1.0	0.292	0.127	0.1588
									Infiltration		0.1			
480 minute winter	58	304	8.313	0.068	1.4	0.3187	0.0000	OK	5.003	59	1.2	0.289	0.159	0.2373
									Infiltration		0.4			
480 minute winter	59	304	8.313	0.108	1.8	0.5516	0.0000	OK	5.004	60	0.9	0.048	0.001	2.5320
									Infiltration		0.3			
480 minute winter	60	304	8.313	0.128	1.3	0.0436	0.0000	OK	5.005	61	0.4	0.031	0.000	4.5539
									Infiltration		0.3			
480 minute winter	61	304	8.313	0.177	0.8	0.0602	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.5			
480 minute winter	62	256	8.145	0.009	0.4	0.0023	0.0000	OK	5.007	63	0.4	0.043	0.000	2.8892
480 minute winter	63	328	7.971	0.135	0.8	0.0459	0.0000	OK	5.008	63_OUT	0.2	0.018	0.000	2.8549
									Infiltration		0.3			
480 minute winter	63_OUT	328	7.971	0.258	0.4	0.5701	0.0000	OK	Infiltration		0.3			
480 minute winter	64	352	6.283	0.098	0.2	0.0156	0.0000	OK	6.000	65	0.2	0.046	0.000	0.8448
480 minute winter	65	352	6.283	0.158	0.4	0.0252	0.0000	OK	6.001	66	0.2	0.042	0.000	1.4105
									Infiltration		0.1			
480 minute winter	66	352	6.283	0.190	0.3	0.0299	0.0000	OK	6.002	67	0.1	0.021	0.000	0.5779
									Infiltration		0.1			
480 minute winter	67	352	6.283	0.207	0.2	0.0020	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
480 minute winter	68	248	6.080	0.004	0.2	0.0007	0.0000	OK	6.004	69	0.2	0.022	0.000	1.9340
480 minute winter	69	352	5.960	0.195	0.4	0.0312	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
480 minute winter	70	352	5.790	0.035	0.2	0.0057	0.0000	OK	6.006	71	0.2	0.050	0.000	0.3806
480 minute winter	71	352	5.790	0.155	0.4	0.0188	0.0000	OK	6.007	72	0.1	0.011	0.000	1.5695
									Infiltration		0.1			
480 minute winter	72	352	5.790	0.105	0.3	0.0159	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
480 minute winter	73	352	5.908	0.204	0.2	0.0327	0.0000	OK	6.009	74	0.1	0.016	0.000	0.8607
480 minute winter	74	352	5.908	0.204	0.3	0.0327	0.0000	OK	6.010	75	0.2	0.043	0.000	0.9747
									Infiltration		0.1			
480 minute winter	75	352	5.909	0.204	0.3	0.0327	0.0000	OK	6.011	76	0.3	0.034	0.000	1.1528
									Infiltration		0.1			
480 minute winter	76	352	5.909	0.274	0.4	0.0417	0.0000	OK	6.012	76_OUT	0.1	0.005	0.000	1.2878
									Infiltration		0.1			
480 minute winter	76_OUT	352	5.909	0.274	0.2	0.0439	0.0000	OK	Infiltration		0.1			

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Results for 2 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 92.88%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	1	315	9.654	0.354	0.7	0.0000	0.0000	FLOOD RISK	1.000	2	-0.7	-0.024	-0.034	0.4653	
600 minute summer	2	315	9.652	0.402	1.2	0.0000	0.0000	FLOOD RISK	1.001	3	-1.2	-0.039	-0.062	1.1264	
600 minute summer	3	315	9.651	0.501	2.3	0.0000	0.0000	FLOOD RISK	1.002	4	-2.3	-0.074	-0.109	0.4986	
600 minute summer	4	315	9.652	0.552	2.4	0.0000	0.0000	FLOOD RISK	1.003	5	-2.4	-0.075	-0.152	0.8441	
600 minute summer	5	315	9.653	0.553	2.6	0.0000	0.0000	FLOOD RISK	1.004	6	-2.6	-0.083	-0.070	0.1521	
600 minute summer	6	315	9.653	0.753	8.9	5.2951	0.0000	FLOOD RISK	1.005	7	9.0	0.717	0.185	0.7798	
600 minute summer	7	315	9.650	0.900	14.1	3.6583	0.0000	FLOOD RISK	1.006	8	14.1	0.657	0.201	2.4923	
600 minute summer	8	315	9.646	1.096	24.4	7.5204	0.0000	FLOOD RISK	1.007	9	24.3	0.682	0.225	5.9230	
600 minute summer	9	315	9.641	1.291	41.2	12.5508	0.0000	FLOOD RISK	1.008	10	41.2	0.628	0.174	3.1369	
600 minute summer	10	315	9.639	1.339	44.4	2.3744	0.0000	FLOOD RISK	1.009	11	44.3	0.486	0.300	47.8613	
600 minute summer	11	315	9.612	1.612	44.3	0.0000	0.0000	FLOOD RISK	1.010	12	44.3	0.451	0.154	53.3278	
600 minute summer	12	195	7.750	1.000	44.3	0.0000	0.0000	FLOOD RISK	1.011	13	44.3	0.352	0.226	0.2594	
600 minute summer	13	315	9.564	0.064	44.3	0.0000	0.0000	OK	1.012	13_OUT	44.3	3.053	0.036	0.0870	
600 minute summer	13_OUT	315	7.686	0.154	44.3	0.0000	0.0000	OK	Flow through pond	49	100.9	0.030	0.000	770.2737	
600 minute summer	14	315	9.619	0.319	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	0.1	0.002	0.002	0.8136	
600 minute summer	15	315	9.619	0.533	8.8	4.2234	0.0000	FLOOD RISK	2.001	16	8.8	0.580	0.140	0.9254	
600 minute summer	16	315	9.617	0.626	8.4	0.0000	0.0000	FLOOD RISK	2.002	17	8.8	0.580	0.138	0.6320	
600 minute summer	17	315	9.615	0.756	11.2	2.3473	0.0000	FLOOD RISK	2.003	18	19.3	0.587	0.132	1.8750	
600 minute summer	18	315	9.614	0.933	18.7	5.8587	0.0000	FLOOD RISK	2.004	19	18.7	0.580	0.148	5.4890	
600 minute summer	19	315	9.611	1.155	33.2	10.4168	0.0000	FLOOD RISK	2.005	20	33.2	0.605	0.158	4.0528	
600 minute summer	20	315	9.610	1.199	33.2	0.0000	0.0000	FLOOD RISK	2.006	21	33.2	0.850	0.158	3.4979	
600 minute summer	21	315	9.609	1.237	33.2	0.0000	0.0000	FLOOD RISK	2.007	22	33.2	0.704	0.056	3.7404	
600 minute summer	22	315	9.607	1.607	42.6	8.9829	0.0000	FLOOD RISK	2.008	23	42.6	0.490	0.148	53.3017	
600 minute summer	23	195	7.750	1.000	42.6	0.0000	0.0000	FLOOD RISK	2.009	24	42.6	0.339	0.217	0.2591	
600 minute summer	24	315	9.563	0.063	42.6	0.0000	0.0000	OK	2.010	24_OUT	42.6	3.016	0.034	0.0846	
600 minute summer	24_OUT	315	7.684	0.150	42.6	0.0000	0.0000	OK	Flow through pond	49	100.9	0.030	0.000	770.2737	
600 minute summer	25	315	8.818	0.022	0.8	0.0136	0.0000	OK	3.000	26	0.8	0.402	0.045	0.0710	
600 minute summer	26	315	8.485	0.030	1.6	0.0588	0.0000	OK	3.001	27	1.4	0.541	0.086	0.1008	
									Infiltration		0.2				
600 minute summer	27	315	8.146	0.031	2.2	0.0735	0.0000	OK	3.002	28	1.9	0.668	0.092	0.0882	
									Infiltration		0.3				
600 minute summer	28	315	7.728	0.033	2.7	0.0587	0.0000	OK	3.003	29	2.5	0.819	0.104	0.1074	
									Infiltration		0.2				
600 minute summer	29	315	7.100	0.035	3.3	0.0551	0.0000	OK	3.004	30	3.1	1.008	0.111	0.0203	
									Infiltration		0.2				
600 minute summer	30	315	6.852	0.027	3.2	0.0032	0.0000	OK	3.005	31	3.2	0.135	0.001	0.7250	
600 minute summer	31	315	6.795	0.100	3.3	0.0120	0.0000	OK	3.006	32	2.5	0.080	0.001	1.0973	
									Infiltration		0.8				

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600 minute summer	32	315	6.795	0.150	2.6	0.0180	0.0000	OK	3.007	33	0.9	0.017	0.001	0.7501
									Infiltration		0.8			
									Infiltration		0.9			
600 minute summer	33	315	6.795	0.020	1.0	0.0024	0.0000	OK	3.008	34	0.9	0.108	0.001	0.1138
600 minute summer	34	315	6.758	0.013	1.0	0.0016	0.0000	OK	3.009	35	0.9	0.144	0.000	0.0591
									Infiltration		0.2			
600 minute summer	35	315	5.685	0.010	1.0	0.0012	0.0000	OK	3.010	36	0.9	0.027	0.000	0.8025
									Infiltration		0.1			
600 minute summer	36	330	8.583	0.178	1.0	0.0203	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.6			
600 minute summer	37	270	8.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.023	0.000	0.5361
600 minute summer	38	375	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.087	0.000	0.3803
									Infiltration		0.3			
									Infiltration		0.4			
600 minute summer	39	270	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461
									Infiltration		0.0			
600 minute summer	40	270	5.791	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.118	0.000	0.0385
									Infiltration		0.0			
600 minute summer	41	270	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324
									Infiltration		0.0			
600 minute summer	42	270	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.084	0.000	0.0319
									Infiltration		0.0			
600 minute summer	43	270	7.150	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.032	0.000	0.0251
									Infiltration		0.0			
600 minute summer	44	270	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202
600 minute summer	45	285	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.058	0.000	0.0288
									Infiltration		0.0			
600 minute summer	46	285	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357
									Infiltration		0.0			
600 minute summer	47	285	6.971	0.005	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.060	0.000	0.0828
									Infiltration		0.0			
600 minute summer	48	300	8.812	0.017	0.4	0.0021	0.0000	OK	3.023	53	0.4	0.065	0.001	0.0561
									Infiltration		0.0			
600 minute summer	49	675	7.605	-0.395	104.9	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
600 minute summer	50	15	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
600 minute summer	51	15	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
600 minute summer	52	15	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
600 minute summer	53	300	5.792	0.007	0.5	0.0009	0.0000	OK	3.024	54	0.5	0.117	0.000	0.6933
									Infiltration		0.0			
600 minute summer	54	390	8.774	0.149	0.6	0.0179	0.0000	OK	3.025	54_OUT	0.5	0.032	0.000	2.2568
									Infiltration		0.2			
600 minute summer	54_OUT	390	8.774	0.269	0.7	0.0323	0.0000	OK	Infiltration		0.3			

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600 minute summer	55	315	8.470	0.024	0.4	0.0080	0.0000	OK	5.000	56	0.4	0.224	0.054	0.0300
600 minute summer	56	315	8.440	0.024	0.8	0.0531	0.0000	OK	5.001	57	0.7	0.282	0.056	0.0532
									Infiltration		0.1			
600 minute summer	57	315	8.348	0.038	1.1	0.0471	0.0000	OK	5.002	58	1.0	0.290	0.127	0.1317
									Infiltration		0.1			
600 minute summer	58	360	8.303	0.058	1.4	0.2339	0.0000	OK	5.003	59	1.1	0.293	0.150	0.2043
									Infiltration		0.3			
600 minute summer	59	360	8.303	0.098	1.5	0.4393	0.0000	OK	5.004	60	0.9	0.048	0.001	2.2882
									Infiltration		0.3			
600 minute summer	60	360	8.303	0.118	1.3	0.0400	0.0000	OK	5.005	61	0.4	0.029	0.000	4.1760
									Infiltration		0.3			
600 minute summer	61	360	8.303	0.167	0.8	0.0567	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.5			
600 minute summer	62	315	8.145	0.009	0.4	0.0029	0.0000	OK	5.007	63	0.4	0.042	0.000	2.5486
600 minute summer	63	375	7.957	0.121	0.8	0.0412	0.0000	OK	5.008	63_OUT	0.2	0.018	0.000	2.5724
									Infiltration		0.2			
600 minute summer	63_OUT	375	7.957	0.192	0.4	0.0654	0.0000	OK	Infiltration		0.3			
600 minute summer	64	390	6.267	0.082	0.2	0.0131	0.0000	OK	6.000	65	0.2	0.041	0.000	0.7239
600 minute summer	65	390	6.267	0.142	0.4	0.0227	0.0000	OK	6.001	66	0.1	0.039	0.000	1.2538
									Infiltration		0.1			
600 minute summer	66	390	6.267	0.174	0.3	0.0275	0.0000	OK	6.002	67	-0.1	-0.002	0.000	0.7903
									Infiltration		0.1			
600 minute summer	67	390	6.267	0.191	0.2	0.0298	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
600 minute summer	68	315	8.080	0.004	0.2	0.0007	0.0000	OK	6.004	69	0.2	0.029	0.000	1.7523
600 minute summer	69	390	5.948	0.181	0.4	0.0290	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
600 minute summer	70	390	5.784	0.029	0.2	0.0047	0.0000	OK	6.006	71	0.2	0.034	0.000	0.3436
600 minute summer	71	390	5.784	0.099	0.4	0.0159	0.0000	OK	6.007	72	0.1	0.009	0.000	1.4586
									Infiltration		0.1			
600 minute summer	72	390	5.784	0.099	0.3	0.0159	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
600 minute summer	73	390	5.885	0.180	0.2	0.0288	0.0000	OK	6.009	74	0.1	0.018	0.000	0.7327
600 minute summer	74	390	5.885	0.180	0.3	0.0288	0.0000	OK	6.010	75	0.2	0.043	0.000	0.8296
									Infiltration		0.1			
600 minute summer	75	390	5.885	0.180	0.3	0.0288	0.0000	OK	6.011	76	0.3	0.030	0.000	1.0032
									Infiltration		0.1			
600 minute summer	76	390	5.885	0.250	0.4	0.0380	0.0000	OK	6.012	76_OUT	0.1	0.005	0.000	1.1374
									Infiltration		0.1			
600 minute summer	76_OUT	390	5.885	0.250	0.2	0.0400	0.0000	OK	Infiltration		0.1			

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Results for 2 year 600 minute winter, 840 minute analysis at 15 minute timestep. Mass balance: 93.68%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	1	285	9.625	0.325	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.5	0.015	0.021	0.4653	
600 minute winter	2	285	9.623	0.373	0.5	0.0000	0.0000	FLOOD RISK	1.001	3	0.8	0.020	0.031	1.1264	
600 minute winter	3	285	9.624	0.474	0.8	0.0000	0.0000	FLOOD RISK	1.002	4	0.7	0.023	0.034	0.4986	
600 minute winter	4	285	9.625	0.525	0.7	0.0000	0.0000	FLOOD RISK	1.003	5	0.7	0.021	0.028	0.8441	
600 minute winter	5	285	9.627	0.627	3.0	0.0000	0.0000	FLOOD RISK	1.004	6	-3.0	-0.156	-0.080	0.1621	
600 minute winter	6	285	9.628	0.728	7.1	5.9989	0.0000	FLOOD RISK	1.005	7	7.2	0.658	0.148	0.7796	
600 minute winter	7	285	9.627	0.877	10.9	3.5736	0.0000	FLOOD RISK	1.006	8	10.7	0.647	0.153	2.4923	
600 minute winter	8	285	9.624	1.074	18.8	7.3703	0.0000	FLOOD RISK	1.007	9	18.8	0.646	0.172	5.9230	
600 minute winter	9	285	9.620	1.270	31.5	12.3452	0.0000	FLOOD RISK	1.008	10	31.5	0.605	0.133	3.1360	
600 minute winter	10	285	9.617	1.317	33.9	2.3343	0.0000	FLOOD RISK	1.009	11	34.2	0.593	0.202	47.8613	
600 minute winter	11	285	9.598	1.596	34.2	0.0000	0.0000	FLOOD RISK	1.010	12	33.9	0.442	0.118	53.3278	
600 minute winter	12	180	7.750	1.000	33.9	0.0000	0.0000	FLOOD RISK	1.011	13	33.9	0.273	0.173	0.2564	
600 minute winter	13	315	9.556	0.056	33.9	0.0000	0.0000	OK	1.012	13_OUT	33.9	2.813	0.027	0.0722	
600 minute winter	13_OUT	315	7.664	0.130	33.9	0.0000	0.0000	OK	Flow through pond	49	104.5	0.030	0.000	905.9310	
600 minute winter	14	300	9.589	0.289	1.9	0.0000	0.0000	FLOOD RISK	2.000	15	-1.9	-0.065	-0.082	0.5138	
600 minute winter	15	315	9.589	0.503	8.3	3.9879	0.0000	FLOOD RISK	2.001	16	5.2	0.585	0.107	0.9254	
600 minute winter	16	315	9.588	0.597	5.2	0.0000	0.0000	FLOOD RISK	2.002	17	5.2	0.587	0.106	0.6320	
600 minute winter	17	315	9.587	0.728	7.9	2.2594	0.0000	FLOOD RISK	2.003	18	7.9	0.570	0.101	1.8750	
600 minute winter	18	315	9.586	0.905	14.4	5.6943	0.0000	FLOOD RISK	2.004	19	14.4	0.611	0.114	5.4890	
600 minute winter	19	315	9.585	1.129	25.5	10.1771	0.0000	FLOOD RISK	2.005	20	25.5	0.602	0.129	4.0628	
600 minute winter	20	315	9.584	1.173	25.5	0.0000	0.0000	FLOOD RISK	2.006	21	25.5	0.846	0.129	3.4979	
600 minute winter	21	315	9.583	1.211	25.5	0.0000	0.0000	FLOOD RISK	2.007	22	25.5	0.760	0.043	3.7404	
600 minute winter	22	315	9.582	1.582	32.7	6.5739	0.0000	FLOOD RISK	2.008	23	32.7	0.474	0.114	53.3017	
600 minute winter	23	165	7.750	1.000	32.7	0.0000	0.0000	FLOOD RISK	2.009	24	32.7	0.284	0.167	0.2562	
600 minute winter	24	315	9.555	0.055	32.7	0.0000	0.0000	OK	2.010	24_OUT	32.7	2.784	0.026	0.0703	
600 minute winter	24_OUT	315	7.661	0.127	32.7	0.0000	0.0000	OK	Flow through pond	49	104.5	0.030	0.000	905.9310	
600 minute winter	25	300	8.615	0.018	0.6	0.0120	0.0000	OK	3.000	26	0.6	0.373	0.033	0.0575	
600 minute winter	26	300	8.460	0.025	1.2	0.0457	0.0000	OK	3.001	27	1.0	0.495	0.063	0.0804	
									Infiltration		0.2				
600 minute winter	27	300	8.141	0.026	1.6	0.0560	0.0000	OK	3.002	28	1.3	0.623	0.066	0.0700	
									Infiltration		0.3				
600 minute winter	28	300	7.723	0.028	1.9	0.0452	0.0000	OK	3.003	29	1.5	0.747	0.075	0.0846	
									Infiltration		0.2				
600 minute winter	29	300	7.095	0.030	2.4	0.0423	0.0000	OK	3.004	30	2.2	0.921	0.080	0.0164	
									Infiltration		0.1				
600 minute winter	30	300	6.847	0.022	2.3	0.0026	0.0000	OK	3.005	31	2.3	0.135	0.001	0.6325	
600 minute winter	31	300	6.785	0.090	2.4	0.0108	0.0000	OK	3.006	32	1.7	0.060	0.001	0.9942	
									Infiltration		0.7				

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600 minute winter	32	330	6.785	0.140	1.8	0.0168	0.0000	OK	3.007	33	0.2	-0.005	0.000	0.6592
									Infiltration		0.8			
									Infiltration		0.9			
600 minute winter	33	330	6.785	0.010	0.3	0.0012	0.0000	OK	3.008	34	0.3	0.067	0.000	0.0585
600 minute winter	34	330	6.752	0.007	0.4	0.0008	0.0000	OK	3.009	35	0.3	0.096	0.000	0.0317
									Infiltration		0.1			
600 minute winter	35	330	6.681	0.006	0.4	0.0007	0.0000	OK	3.010	36	0.4	0.027	0.000	0.4370
									Infiltration		0.0			
600 minute winter	36	345	6.613	0.108	0.5	0.0123	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
600 minute winter	37	240	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.023	0.000	0.5365
600 minute winter	38	405	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.087	0.000	0.3605
									Infiltration		0.3			
									Infiltration		0.4			
600 minute winter	39	240	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0481
									Infiltration		0.0			
600 minute winter	40	240	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0366
									Infiltration		0.0			
600 minute winter	41	240	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324
									Infiltration		0.0			
600 minute winter	42	240	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.064	0.000	0.0319
									Infiltration		0.0			
600 minute winter	43	240	7.150	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.032	0.000	0.0251
									Infiltration		0.0			
600 minute winter	44	240	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202
600 minute winter	45	255	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0286
									Infiltration		0.0			
600 minute winter	46	255	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357
									Infiltration		0.0			
600 minute winter	47	255	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.080	0.000	0.0828
									Infiltration		0.0			
600 minute winter	48	270	6.612	0.017	0.4	0.0021	0.0000	OK	3.023	53	0.4	0.065	0.001	0.1230
									Infiltration		0.0			
600 minute winter	49	705	7.625	-0.360	111.0	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
600 minute winter	50	15	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
600 minute winter	51	15	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
600 minute winter	52	15	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
600 minute winter	53	405	6.804	0.019	0.5	0.0023	0.0000	OK	3.024	54	0.5	0.117	0.000	0.9261
									Infiltration		0.1			
600 minute winter	54	405	6.804	0.179	0.5	0.0215	0.0000	OK	3.025	54_OUT	0.5	0.032	0.000	2.6898
									Infiltration		0.2			
600 minute winter	54_OUT	405	6.804	0.299	0.7	0.0359	0.0000	OK	Infiltration		0.3			

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600 minute winter	55	285	8.466	0.020	0.3	0.0070	0.0000	OK	5.000	56	0.3	0.206	0.041	0.0243
600 minute winter	56	300	8.437	0.021	0.6	0.0406	0.0000	OK	5.001	57	0.5	0.259	0.041	0.0427
									Infiltration		0.1			
600 minute winter	57	300	8.341	0.031	0.6	0.0351	0.0000	OK	5.002	58	0.7	0.258	0.093	0.1207
									Infiltration		0.1			
600 minute winter	58	360	8.298	0.053	1.0	0.2006	0.0000	OK	5.003	59	0.9	0.272	0.115	0.1893
									Infiltration		0.3			
600 minute winter	59	360	8.298	0.093	1.3	0.4606	0.0000	OK	5.004	60	0.7	0.043	0.001	2.1521
									Infiltration		0.3			
600 minute winter	60	360	8.298	0.113	1.6	0.0384	0.0000	OK	5.005	61	0.3	0.029	0.000	4.6074
									Infiltration		0.3			
600 minute winter	61	360	8.298	0.152	0.8	0.0550	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.5			
600 minute winter	62	345	8.143	0.097	0.3	0.0024	0.0000	OK	5.007	63	0.3	0.042	0.000	2.8827
600 minute winter	63	405	7.963	0.127	0.6	0.0431	0.0000	OK	5.008	63_OUT	0.2	0.018	0.000	2.6840
									Infiltration		0.3			
600 minute winter	63_OUT	405	7.963	0.198	0.4	0.0672	0.0000	OK	Infiltration		0.3			
600 minute winter	64	420	6.240	0.055	0.1	0.0089	0.0000	OK	6.000	65	0.1	0.041	0.000	0.5315
600 minute winter	65	420	6.240	0.115	0.2	0.0185	0.0000	OK	6.001	66	0.1	0.038	0.000	1.0024
									Infiltration		0.1			
600 minute winter	66	420	6.240	0.147	0.3	0.0233	0.0000	OK	6.002	67	0.0	-0.002	0.000	0.6497
									Infiltration		0.1			
600 minute winter	67	420	6.240	0.154	0.1	0.0255	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
600 minute winter	68	240	6.079	0.003	0.1	0.0004	0.0000	OK	6.004	69	0.1	0.029	0.000	1.5359
600 minute winter	69	420	5.927	0.182	0.2	0.0259	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
600 minute winter	70	420	5.759	0.004	0.1	0.0006	0.0000	OK	6.006	71	0.1	0.034	0.000	0.2042
600 minute winter	71	420	5.759	0.074	0.2	0.0118	0.0000	OK	6.007	72	0.1	0.009	0.000	1.0434
									Infiltration		0.1			
600 minute winter	72	420	5.759	0.074	0.2	0.0118	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
600 minute winter	73	420	5.858	0.154	0.1	0.0246	0.0000	OK	6.009	74	0.1	0.016	0.000	0.6012
600 minute winter	74	420	5.858	0.154	0.2	0.0246	0.0000	OK	6.010	75	0.2	0.043	0.000	0.6806
									Infiltration		0.1			
600 minute winter	75	420	5.858	0.154	0.3	0.0246	0.0000	OK	6.011	76	0.3	0.030	0.000	0.5492
									Infiltration		0.1			
600 minute winter	76	420	5.858	0.224	0.4	0.0340	0.0000	OK	6.012	76_OUT	0.1	0.005	0.000	0.9820
									Infiltration		0.1			
600 minute winter	76_OUT	420	5.858	0.224	0.2	0.0358	0.0000	OK	Infiltration		0.1			

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Results for 2 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 93.25%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	1	360	9.631	0.331	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.1	0.003	0.004	0.4653	
720 minute summer	2	375	9.630	0.380	0.1	0.0000	0.0000	FLOOD RISK	1.001	3	0.1	0.003	0.005	1.1264	
720 minute summer	3	360	9.632	0.482	0.4	0.0000	0.0000	FLOOD RISK	1.002	4	-0.4	-0.009	-0.018	0.4986	
720 minute summer	4	360	9.633	0.533	8.3	0.0000	0.0000	FLOOD RISK	1.003	5	-8.3	-0.265	-0.273	0.8441	
720 minute summer	5	360	9.634	0.634	9.9	0.0000	0.0000	FLOOD RISK	1.004	6	-9.9	-0.317	-0.255	0.1521	
720 minute summer	6	360	9.634	0.734	16.8	5.0536	0.0000	FLOOD RISK	1.005	7	-10.2	0.661	-0.211	0.7798	
720 minute summer	7	360	9.632	0.882	13.5	3.5962	0.0000	FLOOD RISK	1.006	8	13.9	0.648	0.198	2.4923	
720 minute summer	8	360	9.629	1.079	23.0	7.4064	0.0000	FLOOD RISK	1.007	9	23.0	0.638	0.213	5.9230	
720 minute summer	9	360	9.626	1.275	36.0	12.4957	0.0000	FLOOD RISK	1.008	10	36.1	0.592	0.161	3.1369	
720 minute summer	10	360	9.625	1.325	40.9	2.3491	0.0000	FLOOD RISK	1.009	11	41.0	0.450	0.277	47.8513	
720 minute summer	11	360	9.603	1.603	41.0	0.0000	0.0000	FLOOD RISK	1.010	12	41.0	0.407	0.142	53.3278	
720 minute summer	12	225	7.750	1.000	41.0	0.0000	0.0000	FLOOD RISK	1.011	13	41.0	0.327	0.209	0.2585	
720 minute summer	13	360	9.562	0.062	41.0	0.0000	0.0000	OK	1.012	13_OUT	41.0	2.980	0.033	0.0824	
720 minute summer	13_OUT	360	7.679	0.146	41.0	0.0000	0.0000	OK	Flow through pond	49	87.1	0.024	0.000	820.0251	
720 minute summer	14	360	9.604	0.304	1.0	0.0000	0.0000	FLOOD RISK	2.000	15	-1.0	-0.031	-0.032	0.8138	
720 minute summer	15	375	9.604	0.518	8.0	4.1047	0.0000	FLOOD RISK	2.001	16	8.0	0.580	0.124	0.9254	
720 minute summer	16	375	9.602	0.611	8.0	0.0000	0.0000	FLOOD RISK	2.002	17	8.0	0.555	0.122	0.6320	
720 minute summer	17	375	9.601	0.742	9.1	2.3031	0.0000	FLOOD RISK	2.003	18	9.1	0.554	0.116	1.8750	
720 minute summer	18	375	9.600	0.919	16.6	5.7507	0.0000	FLOOD RISK	2.004	19	16.6	0.554	0.132	5.4890	
720 minute summer	19	375	9.598	1.142	29.5	10.2962	0.0000	FLOOD RISK	2.005	20	29.5	0.575	0.150	4.0528	
720 minute summer	20	375	9.597	1.186	29.5	0.0000	0.0000	FLOOD RISK	2.006	21	29.5	0.808	0.149	3.4979	
720 minute summer	21	375	9.596	1.224	29.5	0.0000	0.0000	FLOOD RISK	2.007	22	29.5	0.660	0.050	3.7404	
720 minute summer	22	375	9.595	1.595	37.8	8.9282	0.0000	FLOOD RISK	2.008	23	37.8	0.479	0.131	53.3017	
720 minute summer	23	210	7.750	1.000	37.8	0.0000	0.0000	FLOOD RISK	2.009	24	37.8	0.303	0.192	0.2577	
720 minute summer	24	375	9.558	0.058	37.8	0.0000	0.0000	OK	2.010	24_OUT	37.8	2.908	0.031	0.0778	
720 minute summer	24_OUT	375	7.673	0.138	37.8	0.0000	0.0000	OK	Flow through pond	49	87.1	0.024	0.000	820.0251	
720 minute summer	25	375	8.818	0.020	0.7	0.0130	0.0000	OK	3.000	26	0.7	0.388	0.039	0.0644	
720 minute summer	26	375	8.463	0.028	1.4	0.0522	0.0000	OK	3.001	27	1.2	0.519	0.074	0.0908	
									Infiltration		0.2				
720 minute summer	27	375	8.144	0.029	1.9	0.0647	0.0000	OK	3.002	28	1.6	0.657	0.079	0.0793	
									Infiltration		0.3				
720 minute summer	28	375	7.725	0.030	2.3	0.0520	0.0000	OK	3.003	29	2.1	0.785	0.089	0.0961	
									Infiltration		0.2				
720 minute summer	29	375	7.098	0.033	2.8	0.0487	0.0000	OK	3.004	30	2.7	0.987	0.095	0.0186	
									Infiltration		0.2				
720 minute summer	30	375	8.849	0.024	2.8	0.0028	0.0000	OK	3.005	31	2.8	0.138	0.001	0.6793	
720 minute summer	31	375	8.790	0.095	2.9	0.0114	0.0000	OK	3.006	32	2.1	0.080	0.001	1.0461	
									Infiltration		0.7				

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720 minute summer	32	375	6.790	0.145	2.2	0.0174	0.0000	OK	3.007	33	0.5	0.011	0.000	0.7050
									Infiltration		0.8			
									Infiltration		0.9			
720 minute summer	33	375	6.790	0.015	0.6	0.0018	0.0000	OK	3.008	34	0.5	0.089	0.000	0.0848
720 minute summer	34	375	6.755	0.010	0.7	0.0012	0.0000	OK	3.009	35	0.5	0.120	0.000	0.0448
									Infiltration		0.1			
720 minute summer	35	375	5.683	0.005	0.6	0.0009	0.0000	OK	3.010	36	0.6	0.027	0.000	0.5824
									Infiltration		0.0			
720 minute summer	36	390	8.542	0.137	0.7	0.0156	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.6			
720 minute summer	37	330	8.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.023	0.000	0.5361
720 minute summer	38	435	6.347	0.682	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.087	0.000	0.3803
									Infiltration		0.3			
									Infiltration		0.4			
720 minute summer	39	330	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461
									Infiltration		0.0			
720 minute summer	40	330	5.791	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.118	0.000	0.0386
									Infiltration		0.0			
720 minute summer	41	330	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324
									Infiltration		0.0			
720 minute summer	42	330	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.084	0.000	0.0319
									Infiltration		0.0			
720 minute summer	43	330	7.150	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.032	0.000	0.0251
									Infiltration		0.0			
720 minute summer	44	330	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202
720 minute summer	45	345	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.058	0.000	0.0288
									Infiltration		0.0			
720 minute summer	46	345	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357
									Infiltration		0.0			
720 minute summer	47	345	6.971	0.005	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.060	0.000	0.0828
									Infiltration		0.0			
720 minute summer	48	360	8.812	0.017	0.4	0.0021	0.0000	OK	3.023	53	0.4	0.065	0.001	0.0861
									Infiltration		0.0			
720 minute summer	49	810	7.810	-0.390	89.8	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
720 minute summer	50	15	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
720 minute summer	51	15	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
720 minute summer	52	15	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
720 minute summer	53	360	5.792	0.007	0.5	0.0009	0.0000	OK	3.024	54	0.5	0.117	0.000	0.6933
									Infiltration		0.0			
720 minute summer	54	450	8.774	0.149	0.6	0.0178	0.0000	OK	3.025	54_OUT	0.5	0.032	0.000	2.2568
									Infiltration		0.2			
720 minute summer	54_OUT	450	8.774	0.269	0.7	0.0323	0.0000	OK	Infiltration		0.3			

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720 minute summer	55	375	8.470	0.024	0.4	0.0080	0.0000	OK	5.006	56	0.4	0.224	0.054	0.0300
720 minute summer	56	375	8.440	0.024	0.8	0.0531	0.0000	OK	5.001	57	0.7	0.282	0.056	0.0532
									Infiltration		0.1			
720 minute summer	57	375	8.348	0.038	1.1	0.0471	0.0000	OK	5.002	58	1.0	0.291	0.127	0.1099
									Infiltration		0.1			
720 minute summer	58	405	8.292	0.047	1.4	0.1612	0.0000	OK	5.003	59	1.2	0.274	0.151	0.1703
									Infiltration		0.3			
720 minute summer	59	405	8.292	0.087	1.6	0.4202	0.0000	OK	5.004	60	0.9	0.048	0.001	2.0058
									Infiltration		0.3			
720 minute summer	60	405	8.292	0.107	1.3	0.0363	0.0000	OK	5.005	61	0.4	0.029	0.000	3.7964
									Infiltration		0.3			
720 minute summer	61	405	8.292	0.156	0.8	0.0533	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
720 minute summer	62	375	8.145	0.008	0.4	0.0029	0.0000	OK	5.007	63	0.4	0.042	0.000	2.3265
720 minute summer	63	450	7.948	0.112	0.8	0.0381	0.0000	OK	5.008	63_OUT	0.2	0.018	0.000	2.3885
									Infiltration		0.2			
720 minute summer	63_OUT	450	7.948	0.183	0.4	0.0622	0.0000	OK	Infiltration		0.3			
720 minute summer	64	485	8.254	0.068	0.2	0.0110	0.0000	OK	6.000	65	0.1	0.041	0.000	0.6252
720 minute summer	65	485	8.254	0.129	0.3	0.0208	0.0000	OK	6.001	66	0.1	0.039	0.000	1.1251
									Infiltration		0.1			
720 minute summer	66	485	8.254	0.161	0.3	0.0254	0.0000	OK	6.002	67	-0.1	-0.002	0.000	0.7185
									Infiltration		0.1			
720 minute summer	67	485	8.254	0.178	0.2	0.0275	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
720 minute summer	68	375	8.080	0.004	0.2	0.0007	0.0000	OK	6.004	69	0.2	0.029	0.000	1.6395
720 minute summer	69	485	5.938	0.171	0.4	0.0273	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
720 minute summer	70	485	5.771	0.015	0.2	0.0028	0.0000	OK	6.006	71	0.2	0.034	0.000	0.2705
720 minute summer	71	485	5.771	0.086	0.4	0.0138	0.0000	OK	6.007	72	0.1	0.009	0.000	1.2419
									Infiltration		0.1			
720 minute summer	72	485	5.771	0.088	0.3	0.0138	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
720 minute summer	73	485	5.872	0.167	0.2	0.0267	0.0000	OK	6.009	74	0.1	0.018	0.000	0.8850
720 minute summer	74	485	5.872	0.167	0.3	0.0267	0.0000	OK	6.010	75	0.2	0.043	0.000	0.7531
									Infiltration		0.1			
720 minute summer	75	485	5.872	0.167	0.3	0.0267	0.0000	OK	6.011	76	0.3	0.030	0.000	0.9241
									Infiltration		0.1			
720 minute summer	76	485	5.872	0.237	0.4	0.0380	0.0000	OK	6.012	76_OUT	0.1	0.005	0.000	1.0575
									Infiltration		0.1			
720 minute summer	76_OUT	485	5.872	0.237	0.2	0.0379	0.0000	OK	Infiltration		0.1			

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Results for 2 year 720 minute winter, 960 minute analysis at 15 minute timestep. Mass balance: 93.91%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	1	375	9.593	0.293	0.6	0.0000	0.0000	FLOOD RISK	1.000	2	-0.6	-0.020	-0.009	0.4653	
720 minute winter	2	375	9.593	0.343	0.8	0.0000	0.0000	FLOOD RISK	1.001	3	-0.8	-0.025	-0.039	1.1264	
720 minute winter	3	375	9.593	0.443	1.4	0.0000	0.0000	FLOOD RISK	1.002	4	-1.4	-0.044	-0.065	0.4986	
720 minute winter	4	375	9.593	0.493	1.9	0.0000	0.0000	FLOOD RISK	1.003	5	-1.9	-0.061	-0.083	0.8441	
720 minute winter	5	375	9.593	0.593	2.4	0.0000	0.0000	FLOOD RISK	1.004	6	-2.4	-0.078	-0.065	0.1621	
720 minute winter	6	375	9.593	0.693	11.0	5.7126	0.0000	FLOOD RISK	1.005	7	-6.1	0.627	-0.139	0.7796	
720 minute winter	7	375	9.592	0.842	9.3	3.4309	0.0000	FLOOD RISK	1.006	8	9.3	0.618	0.132	2.4923	
720 minute winter	8	375	9.590	1.040	16.2	7.1385	0.0000	FLOOD RISK	1.007	9	16.2	0.617	0.149	5.9230	
720 minute winter	9	375	9.588	1.238	27.5	12.0355	0.0000	FLOOD RISK	1.008	10	27.5	0.585	0.116	3.1360	
720 minute winter	10	375	9.587	1.287	29.6	2.2819	0.0000	FLOOD RISK	1.009	11	29.6	0.476	0.200	47.8613	
720 minute winter	11	375	9.575	1.575	29.6	0.0000	0.0000	FLOOD RISK	1.010	12	29.6	0.443	0.103	53.3278	
720 minute winter	12	195	7.750	1.000	29.8	0.0000	0.0000	FLOOD RISK	1.011	13	29.8	0.240	0.151	0.2550	
720 minute winter	13	375	9.553	0.053	29.8	0.0000	0.0000	OK	1.012	13_OUT	29.6	2.700	0.024	0.0857	
720 minute winter	13_OUT	375	7.653	0.120	29.6	0.0000	0.0000	OK	Flow through pond	49	95.2	0.020	0.000	960.4987	
720 minute winter	14	375	9.577	0.277	1.5	0.0000	0.0000	FLOOD RISK	2.000	15	-1.5	-0.050	-0.048	0.5138	
720 minute winter	15	375	9.577	0.491	5.6	0.8848	0.0000	FLOOD RISK	2.001	16	4.5	0.559	0.093	0.9254	
720 minute winter	16	375	9.576	0.585	4.5	0.0000	0.0000	FLOOD RISK	2.002	17	4.5	0.544	0.091	0.6320	
720 minute winter	17	375	9.576	0.717	6.8	2.2245	0.0000	FLOOD RISK	2.003	18	6.8	0.552	0.087	1.8750	
720 minute winter	18	375	9.575	0.894	12.4	5.6252	0.0000	FLOOD RISK	2.004	19	12.4	0.584	0.099	5.4890	
720 minute winter	19	375	9.574	1.118	22.1	10.0817	0.0000	FLOOD RISK	2.005	20	22.1	0.587	0.112	4.0828	
720 minute winter	20	375	9.573	1.162	22.1	0.0000	0.0000	FLOOD RISK	2.006	21	22.1	0.825	0.112	3.4979	
720 minute winter	21	375	9.573	1.201	22.1	0.0000	0.0000	FLOOD RISK	2.007	22	22.1	0.719	0.037	3.7404	
720 minute winter	22	375	9.572	1.572	28.4	6.6303	0.0000	FLOOD RISK	2.008	23	28.4	0.437	0.099	53.3017	
720 minute winter	23	195	7.750	1.000	28.4	0.0000	0.0000	FLOOD RISK	2.009	24	28.4	0.231	0.145	0.2548	
720 minute winter	24	375	9.552	0.052	28.4	0.0000	0.0000	OK	2.010	24_OUT	28.4	2.687	0.023	0.0838	
720 minute winter	24_OUT	375	7.650	0.116	28.4	0.0000	0.0000	OK	Flow through pond	49	95.2	0.020	0.000	960.4987	
720 minute winter	25	345	8.613	0.017	0.5	0.0110	0.0000	OK	3.000	26	0.5	0.356	0.028	0.0502	
720 minute winter	26	345	8.458	0.023	1.0	0.0391	0.0000	OK	3.001	27	0.8	0.489	0.051	0.0695	
									Infiltration		0.2				
720 minute winter	27	345	8.139	0.024	1.3	0.0471	0.0000	OK	3.002	28	1.1	0.585	0.053	0.0602	
									Infiltration		0.2				
720 minute winter	28	345	7.720	0.025	1.6	0.0384	0.0000	OK	3.003	29	1.4	0.793	0.060	0.0726	
									Infiltration		0.2				
720 minute winter	29	345	7.092	0.027	1.9	0.0380	0.0000	OK	3.004	30	1.8	0.887	0.065	0.0141	
									Infiltration		0.1				
720 minute winter	30	360	6.844	0.019	1.9	0.0023	0.0000	OK	3.005	31	1.9	0.138	0.001	0.5434	
720 minute winter	31	405	6.774	0.079	2.0	0.0094	0.0000	OK	3.006	32	1.4	0.060	0.001	0.5782	
									Infiltration		0.6				

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720 minute winter	32	465	6.773	0.128	1.6	0.0154	0.0000	OK	3.007	33	-0.1	-0.004	0.000	0.5700
									Infiltration		0.7			
									Infiltration		0.8			
720 minute winter	33	300	6.777	0.002	0.1	0.0003	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0184
720 minute winter	34	315	6.748	0.003	0.1	0.0004	0.0000	OK	3.009	35	0.1	0.055	0.000	0.0171
									Infiltration		0.0			
720 minute winter	35	315	6.679	0.004	0.2	0.0004	0.0000	OK	3.010	36	0.2	0.027	0.000	0.2791
									Infiltration		0.0			
720 minute winter	36	465	6.578	0.073	0.3	0.0063	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
720 minute winter	37	300	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.023	0.000	0.5365
720 minute winter	38	465	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.087	0.000	0.3605
									Infiltration		0.3			
									Infiltration		0.4			
720 minute winter	39	300	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0481
									Infiltration		0.0			
720 minute winter	40	300	6.701	0.008	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0368
									Infiltration		0.0			
720 minute winter	41	300	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324
									Infiltration		0.0			
720 minute winter	42	300	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.064	0.000	0.0319
									Infiltration		0.0			
720 minute winter	43	300	7.150	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.032	0.000	0.0251
									Infiltration		0.0			
720 minute winter	44	300	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202
720 minute winter	45	315	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0286
									Infiltration		0.0			
720 minute winter	46	315	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357
									Infiltration		0.0			
720 minute winter	47	315	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.080	0.000	0.0828
									Infiltration		0.0			
720 minute winter	48	300	6.612	0.017	0.4	0.0021	0.0000	OK	3.023	53	0.4	0.065	0.001	0.1230
									Infiltration		0.0			
720 minute winter	49	750	7.625	-0.374	96.8	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
720 minute winter	50	15	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
720 minute winter	51	15	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
720 minute winter	52	15	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
720 minute winter	53	465	6.804	0.019	0.5	0.0023	0.0000	OK	3.024	54	0.5	0.117	0.000	0.9261
									Infiltration		0.1			
720 minute winter	54	465	6.804	0.179	0.5	0.0215	0.0000	OK	3.025	54_OUT	0.5	0.032	0.000	2.6898
									Infiltration		0.2			
720 minute winter	54_OUT	465	6.804	0.299	0.7	0.0359	0.0000	OK	Infiltration		0.3			

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720 minute winter	55	360	8.466	0.020	0.3	0.0070	0.0000	OK	5.000	56	0.3	0.206	0.041	0.0243
720 minute winter	56	375	8.437	0.021	0.6	0.0406	0.0000	OK	5.001	57	0.5	0.259	0.041	0.0427
									Infiltration		0.1			
720 minute winter	57	375	8.341	0.031	0.6	0.0351	0.0000	OK	5.002	58	0.7	0.268	0.093	0.0954
									Infiltration		0.1			
720 minute winter	58	465	8.288	0.043	1.0	0.1334	0.0000	OK	5.003	59	0.9	0.272	0.115	0.1555
									Infiltration		0.2			
720 minute winter	59	465	8.287	0.052	1.0	0.3946	0.0000	OK	5.004	60	0.7	0.045	0.001	1.8921
									Infiltration		0.3			
720 minute winter	60	465	8.287	0.102	1.0	0.0347	0.0000	OK	5.005	61	0.3	0.029	0.000	3.6318
									Infiltration		0.3			
720 minute winter	61	465	8.287	0.151	0.8	0.0514	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
720 minute winter	62	390	8.143	0.007	0.3	0.0024	0.0000	OK	5.007	63	0.3	0.042	0.000	2.4503
720 minute winter	63	465	7.953	0.117	0.6	0.0398	0.0000	OK	5.008	63_OUT	0.2	0.018	0.000	2.4912
									Infiltration		0.2			
720 minute winter	63_OUT	465	7.953	0.188	0.4	0.0640	0.0000	OK	Infiltration		0.3			
720 minute winter	64	495	6.249	0.064	0.1	0.0103	0.0000	OK	6.000	65	0.1	0.041	0.000	0.5940
720 minute winter	65	495	6.249	0.124	0.2	0.0199	0.0000	OK	6.001	66	0.1	0.038	0.000	1.0843
									Infiltration		0.1			
720 minute winter	66	495	6.249	0.156	0.3	0.0247	0.0000	OK	6.002	67	0.0	-0.002	0.000	0.6956
									Infiltration		0.1			
720 minute winter	67	495	6.249	0.173	0.1	0.0269	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
720 minute winter	68	285	6.079	0.003	0.1	0.0004	0.0000	OK	6.004	69	0.1	0.029	0.000	1.6298
720 minute winter	69	495	5.935	0.170	0.2	0.0272	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
720 minute winter	70	495	5.762	0.007	0.1	0.0011	0.0000	OK	6.006	71	0.1	0.034	0.000	0.2198
720 minute winter	71	495	5.762	0.077	0.2	0.0123	0.0000	OK	6.007	72	0.1	0.009	0.000	1.0804
									Infiltration		0.1			
720 minute winter	72	495	5.762	0.077	0.2	0.0123	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
720 minute winter	73	495	5.873	0.158	0.1	0.0288	0.0000	OK	6.009	74	0.1	0.016	0.000	0.8694
720 minute winter	74	495	5.873	0.158	0.2	0.0288	0.0000	OK	6.010	75	0.2	0.043	0.000	0.7581
									Infiltration		0.1			
720 minute winter	75	495	5.873	0.188	0.3	0.0258	0.0000	OK	6.011	76	0.3	0.030	0.000	0.9293
									Infiltration		0.1			
720 minute winter	76	495	5.873	0.238	0.4	0.0381	0.0000	OK	6.012	76_OUT	0.1	0.005	0.000	1.9627
									Infiltration		0.1			
720 minute winter	76_OUT	495	5.873	0.238	0.2	0.0380	0.0000	OK	Infiltration		0.1			

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Results for 2 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 93.63%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	1	465	9.606	0.306	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	0.3	0.010	0.014	0.4653	
960 minute summer	2	465	9.605	0.355	0.3	0.0000	0.0000	FLOOD RISK	1.001	3	0.5	0.017	0.027	1.1264	
960 minute summer	3	465	9.604	0.454	2.3	0.0000	0.0000	FLOOD RISK	1.002	4	-2.3	-0.271	-0.107	0.4986	
960 minute summer	4	465	9.604	0.504	5.5	0.0000	0.0000	FLOOD RISK	1.003	5	-5.5	-0.207	-0.238	0.8441	
960 minute summer	5	465	9.604	0.604	8.7	0.0000	0.0000	FLOOD RISK	1.004	6	-8.7	-0.214	-0.179	0.1521	
960 minute summer	6	465	9.603	0.703	11.6	5.7985	0.0000	FLOOD RISK	1.005	7	7.6	0.618	0.157	0.7798	
960 minute summer	7	465	9.600	0.850	10.9	3.4564	0.0000	FLOOD RISK	1.006	8	11.2	0.580	0.159	2.4923	
960 minute summer	8	495	9.598	1.048	17.7	7.1938	0.0000	FLOOD RISK	1.007	9	16.1	0.676	0.188	5.9230	
960 minute summer	9	495	9.595	1.245	29.7	12.1109	0.0000	FLOOD RISK	1.008	10	29.7	0.543	0.125	3.1369	
960 minute summer	10	495	9.595	1.295	32.0	2.2955	0.0000	FLOOD RISK	1.009	11	32.0	0.403	0.217	47.8613	
960 minute summer	11	495	9.581	1.581	32.0	0.0000	0.0000	FLOOD RISK	1.010	12	32.0	0.374	0.111	53.3278	
960 minute summer	12	270	7.750	1.000	32.0	0.0000	0.0000	FLOOD RISK	1.011	13	32.0	0.259	0.183	0.2558	
960 minute summer	13	495	9.555	0.955	32.0	0.0000	0.0000	OK	1.012	13_OUT	32.0	2.788	0.026	0.0893	
960 minute summer	13_OUT	495	7.859	0.125	32.0	0.0000	0.0000	OK	Flow through pond	49	73.0	0.018	0.000	898.6800	
960 minute summer	14	495	9.584	0.284	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	0.2	0.008	0.008	0.8138	
960 minute summer	15	495	9.584	0.498	5.5	3.9458	0.0000	FLOOD RISK	2.001	16	4.9	0.524	0.191	0.9254	
960 minute summer	16	495	9.583	0.592	4.9	0.0000	0.0000	FLOOD RISK	2.002	17	4.9	0.525	0.099	0.6320	
960 minute summer	17	495	9.582	0.723	7.4	2.2437	0.0000	FLOOD RISK	2.003	18	7.4	0.511	0.095	1.8750	
960 minute summer	18	495	9.581	0.900	13.5	5.6633	0.0000	FLOOD RISK	2.004	19	13.5	0.519	0.107	5.4890	
960 minute summer	19	495	9.580	1.124	24.0	10.1341	0.0000	FLOOD RISK	2.005	20	24.0	0.528	0.122	4.0528	
960 minute summer	20	495	9.579	1.168	24.0	0.0000	0.0000	FLOOD RISK	2.006	21	24.0	0.718	0.121	3.4979	
960 minute summer	21	495	9.579	1.207	24.0	0.0000	0.0000	FLOOD RISK	2.007	22	24.0	0.601	0.040	3.7404	
960 minute summer	22	495	9.578	1.578	30.8	8.8545	0.0000	FLOOD RISK	2.008	23	30.8	0.448	0.107	53.3017	
960 minute summer	23	270	7.750	1.000	30.8	0.0000	0.0000	FLOOD RISK	2.009	24	30.8	0.249	0.157	0.2556	
960 minute summer	24	495	9.554	0.954	30.8	0.0000	0.0000	OK	2.010	24_OUT	30.8	2.734	0.025	0.0875	
960 minute summer	24_OUT	495	7.668	0.122	30.8	0.0000	0.0000	OK	Flow through pond	49	73.0	0.018	0.000	898.6800	
960 minute summer	25	495	8.815	0.019	0.6	0.0120	0.0000	OK	3.000	28	0.6	0.373	0.033	0.0575	
960 minute summer	26	495	8.460	0.625	1.2	0.0457	0.0000	OK	3.001	27	1.0	0.495	0.083	0.0804	
									Infiltration		0.2				
960 minute summer	27	495	8.141	0.026	1.6	0.0560	0.0000	OK	3.002	28	1.3	0.623	0.066	0.0709	
									Infiltration		0.3				
960 minute summer	28	495	7.723	0.028	1.9	0.0452	0.0000	OK	3.003	29	1.6	0.747	0.075	0.0548	
									Infiltration		0.2				
960 minute summer	29	495	7.065	0.030	2.4	0.0423	0.0000	OK	3.004	30	2.2	0.921	0.080	0.0164	
									Infiltration		0.1				
960 minute summer	30	495	6.847	0.022	2.3	0.0025	0.0000	OK	3.005	31	2.3	0.135	0.001	0.6038	
960 minute summer	31	516	6.782	0.067	2.4	0.0104	0.0000	OK	3.006	32	1.7	0.080	0.001	0.9595	
									Infiltration		0.7				

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960 minute summer	32	510	6.782	0.137	1.8	0.0184	0.0000	OK	3.007	33	-0.1	-0.005	0.000	0.6285
									Infiltration		0.8			
									Infiltration		0.9			
960 minute summer	33	510	6.782	0.007	0.2	0.0008	0.0000	OK	3.008	34	0.2	0.052	0.000	0.0390
960 minute summer	34	510	6.750	0.005	0.3	0.0006	0.0000	OK	3.009	35	0.2	0.082	0.000	0.0250
									Infiltration		0.1			
960 minute summer	35	510	5.680	0.005	0.3	0.0008	0.0000	OK	3.010	36	0.3	0.027	0.000	0.3324
									Infiltration		0.0			
960 minute summer	36	510	6.589	0.084	0.4	0.0096	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
960 minute summer	37	435	6.506	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.023	0.000	0.5364
960 minute summer	38	570	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.087	0.000	0.3804
									Infiltration		0.3			
									Infiltration		0.4			
960 minute summer	39	435	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461
									Infiltration		0.0			
960 minute summer	40	435	5.791	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.118	0.000	0.0385
									Infiltration		0.0			
960 minute summer	41	435	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324
									Infiltration		0.0			
960 minute summer	42	435	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.084	0.000	0.0319
									Infiltration		0.0			
960 minute summer	43	435	7.150	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.032	0.000	0.0251
									Infiltration		0.0			
960 minute summer	44	435	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202
960 minute summer	45	450	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.058	0.000	0.0288
									Infiltration		0.0			
960 minute summer	46	450	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357
									Infiltration		0.0			
960 minute summer	47	450	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.060	0.000	0.0828
									Infiltration		0.0			
960 minute summer	48	465	6.812	0.017	0.4	0.0021	0.0000	OK	3.023	53	0.4	0.065	0.001	0.0861
									Infiltration		0.0			
960 minute summer	49	1080	7.619	-0.381	74.7	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
960 minute summer	50	15	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
960 minute summer	51	15	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
960 minute summer	52	15	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
960 minute summer	53	465	6.792	0.007	0.5	0.0009	0.0000	OK	3.024	54	0.5	0.117	0.000	0.8085
									Infiltration		0.0			
960 minute summer	54	570	6.792	0.187	0.6	0.0201	0.0000	OK	3.025	54_OUT	0.5	0.032	0.000	2.5240
									Infiltration		0.2			
960 minute summer	54_OUT	570	6.792	0.287	0.7	0.0345	0.0000	OK	Infiltration		0.3			

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960 minute summer	55	480	8.466	0.020	0.3	0.0070	0.0000	OK	5.006	56	0.3	0.206	0.041	0.0243
960 minute summer	56	495	8.437	0.021	0.6	0.0406	0.0000	OK	5.001	57	0.5	0.259	0.041	0.0427
									Infiltration		0.1			
960 minute summer	57	495	8.341	0.031	0.8	0.0361	0.0000	OK	5.002	58	0.7	0.258	0.093	0.0887
									Infiltration		0.1			
960 minute summer	58	555	8.283	0.038	1.0	0.1050	0.0000	OK	5.003	59	0.9	0.272	0.115	0.1385
									Infiltration		0.2			
960 minute summer	59	555	8.282	0.077	1.2	0.3615	0.0000	OK	5.004	60	0.7	0.045	0.001	1.7809
									Infiltration		0.3			
960 minute summer	60	555	8.281	0.098	1.0	0.0325	0.0000	OK	5.005	61	0.3	0.029	0.000	3.4405
									Infiltration		0.3			
960 minute summer	61	555	8.281	0.145	0.6	0.0495	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
960 minute summer	62	510	8.143	0.007	0.3	0.0024	0.0000	OK	5.007	63	0.3	0.042	0.000	2.1379
960 minute summer	63	570	7.940	0.104	0.6	0.0355	0.0000	OK	5.008	63_OUT	0.2	0.018	0.000	2.2409
									Infiltration		0.2			
960 minute summer	63_OUT	570	7.940	0.175	0.4	0.0598	0.0000	OK	Infiltration		0.2			
960 minute summer	64	585	6.231	0.046	0.1	0.0073	0.0000	OK	6.000	65	0.1	0.041	0.000	0.4852
960 minute summer	65	585	6.231	0.106	0.2	0.0169	0.0000	OK	6.001	66	0.1	0.039	0.000	0.9153
									Infiltration		0.1			
960 minute summer	66	585	6.231	0.138	0.3	0.0216	0.0000	OK	6.002	67	0.0	-0.002	0.000	0.6008
									Infiltration		0.1			
960 minute summer	67	585	6.231	0.155	0.1	0.0240	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
960 minute summer	68	435	8.079	0.003	0.1	0.0004	0.0000	OK	6.004	69	0.1	0.029	0.000	1.4264
960 minute summer	69	585	5.917	0.152	0.2	0.0244	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
960 minute summer	70	405	5.756	0.003	0.1	0.0005	0.0000	OK	6.006	71	0.1	0.034	0.000	0.1917
960 minute summer	71	585	5.755	0.070	0.2	0.0112	0.0000	OK	6.007	72	0.1	0.009	0.000	0.9860
									Infiltration		0.1			
960 minute summer	72	585	5.755	0.070	0.2	0.0112	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
960 minute summer	73	585	5.844	0.138	0.1	0.0222	0.0000	OK	6.009	74	0.1	0.018	0.000	0.5300
960 minute summer	74	585	5.844	0.138	0.2	0.0222	0.0000	OK	6.010	75	0.2	0.043	0.000	0.6001
									Infiltration		0.1			
960 minute summer	75	585	5.844	0.138	0.3	0.0222	0.0000	OK	6.011	76	0.3	0.030	0.000	0.7552
									Infiltration		0.1			
960 minute summer	76	585	5.844	0.209	0.4	0.0317	0.0000	OK	6.012	75_OUT	0.1	0.005	0.000	0.8968
									Infiltration		0.1			
960 minute summer	76_OUT	585	5.844	0.209	0.2	0.0334	0.0000	OK	Infiltration		0.1			

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Results for 2 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 94.28%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	1	480	9.574	0.274	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	0.1	0.094	0.008	0.4653	
960 minute winter	2	480	9.574	0.324	2.8	0.0000	0.0000	FLOOD RISK	1.001	3	-2.8	-0.179	-0.133	1.1284	
960 minute winter	3	495	9.574	0.424	4.8	0.0000	0.0000	FLOOD RISK	1.002	4	-4.8	-0.157	-0.218	0.4986	
960 minute winter	4	485	9.574	0.474	5.1	0.0000	0.0000	FLOOD RISK	1.003	5	-5.1	-0.163	-0.221	0.8441	
960 minute winter	5	480	9.574	0.574	5.5	0.0000	0.0000	FLOOD RISK	1.004	6	-5.5	-0.174	-0.148	0.1621	
960 minute winter	6	495	9.574	0.674	8.8	5.5577	0.0000	FLOOD RISK	1.005	7	4.8	0.561	0.099	0.7795	
960 minute winter	7	495	9.573	0.823	7.8	3.3559	0.0000	FLOOD RISK	1.006	8	7.8	0.572	0.108	2.4923	
960 minute winter	8	495	9.572	1.022	13.1	7.9161	0.0000	FLOOD RISK	1.007	9	13.1	0.563	0.121	5.9230	
960 minute winter	9	495	9.571	1.221	22.3	11.8701	0.0000	FLOOD RISK	1.008	10	22.5	0.536	0.095	3.1360	
960 minute winter	10	495	9.570	1.270	24.0	2.2522	0.0000	FLOOD RISK	1.009	11	23.9	0.433	0.162	47.8613	
960 minute winter	11	495	9.562	1.562	23.9	0.0000	0.0000	FLOOD RISK	1.010	12	23.9	0.386	0.083	53.3278	
960 minute winter	12	240	7.750	1.000	23.9	0.0000	0.0000	FLOOD RISK	1.011	13	23.9	0.196	0.122	0.2531	
960 minute winter	13	495	9.548	0.048	23.9	0.0000	0.0000	OK	1.012	13_OUT	23.9	2.533	0.019	0.0566	
960 minute winter	13_OUT	510	7.639	0.105	23.9	0.0000	0.0000	OK	Flow through pond	49	-69.8	0.016	0.000	1047.8600	
960 minute winter	14	485	9.583	0.283	1.3	0.0000	0.0000	FLOOD RISK	2.000	15	-1.3	-0.041	-0.043	0.8136	
960 minute winter	15	495	9.563	0.477	4.3	0.7841	0.0000	FLOOD RISK	2.001	16	3.6	0.510	0.075	0.9254	
960 minute winter	16	480	9.563	0.572	3.6	0.0000	0.0000	FLOOD RISK	2.002	17	3.6	0.512	0.073	0.6320	
960 minute winter	17	480	9.562	0.760	5.5	2.1828	0.0000	FLOOD RISK	2.003	18	5.5	0.504	0.070	1.8750	
960 minute winter	18	480	9.562	0.861	10.0	5.5422	0.0000	FLOOD RISK	2.004	19	10.0	0.525	0.079	5.4880	
960 minute winter	19	485	9.561	1.105	17.8	9.9665	0.0000	FLOOD RISK	2.005	20	17.8	0.538	0.090	4.0528	
960 minute winter	20	485	9.561	1.150	17.8	0.0000	0.0000	FLOOD RISK	2.006	21	17.8	0.754	0.090	3.4979	
960 minute winter	21	495	9.560	1.188	17.8	0.0000	0.0000	FLOOD RISK	2.007	22	17.8	0.642	0.030	3.7464	
960 minute winter	22	495	9.560	1.560	22.8	6.7773	0.0000	FLOOD RISK	2.008	23	22.8	0.347	0.079	53.3017	
960 minute winter	23	240	7.750	1.000	22.8	0.0000	0.0000	FLOOD RISK	2.009	24	22.8	0.187	0.116	0.2530	
960 minute winter	24	495	9.547	0.047	22.8	0.0000	0.0000	OK	2.010	24_OUT	22.8	2.498	0.018	0.0546	
960 minute winter	24_OUT	945	7.636	0.103	22.8	0.0000	0.0000	OK	Flow through pond	49	-69.8	0.016	0.000	1047.8600	
960 minute winter	25	450	8.612	0.016	0.4	0.0099	0.0000	OK	3.000	26	0.4	0.338	0.022	0.0425	
960 minute winter	26	450	8.456	0.021	0.8	0.0324	0.0000	OK	3.001	27	0.8	0.438	0.040	0.0581	
									Infiltration		0.2				
960 minute winter	27	450	8.136	0.021	1.0	0.0382	0.0000	OK	3.002	28	0.8	0.541	0.041	0.0500	
									Infiltration		0.2				
960 minute winter	28	450	7.717	0.022	1.2	0.0314	0.0000	OK	3.003	29	1.1	0.652	0.048	0.0500	
									Infiltration		0.1				
960 minute winter	29	450	7.088	0.023	1.5	0.0295	0.0000	OK	3.004	30	1.4	0.806	0.050	0.0116	
									Infiltration		0.1				
960 minute winter	30	465	6.842	0.017	1.5	0.0020	0.0000	OK	3.005	31	1.5	0.135	0.001	0.3884	
960 minute winter	31	540	6.751	0.056	1.6	0.0067	0.0000	OK	3.006	32	1.2	0.060	0.001	0.6830	
									Infiltration		0.4				

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960 minute winter	32	540	6.751	0.106	1.4	0.0127	0.0000 OK	3.007	33	-0.1	-0.005	0.000	0.4543	
								Infiltration		0.6				
								Infiltration		0.8				
960 minute winter	33	405	6.777	0.002	0.1	0.0003	0.0000 OK	3.008	34	0.0	0.000	0.000	0.0184	
960 minute winter	34	420	6.748	0.003	0.1	0.0004	0.0000 OK	3.009	35	0.1	0.055	0.000	0.0171	
								Infiltration		0.0				
960 minute winter	35	420	6.679	0.004	0.2	0.0004	0.0000 OK	3.010	36	0.2	0.027	0.000	0.2791	
								Infiltration		0.0				
960 minute winter	36	600	6.578	0.073	0.3	0.0063	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000	
								Infiltration		0.3				
960 minute winter	37	405	6.508	0.003	0.1	0.0003	0.0000 OK	3.012	38	0.1	0.023	0.000	0.5365	
960 minute winter	38	600	6.347	0.082	0.7	0.0098	0.0000 OK	3.013	39	-0.5	-0.087	0.000	0.3865	
								Infiltration		0.3				
								Infiltration		0.4				
960 minute winter	39	405	6.462	0.007	0.5	0.0009	0.0000 OK	3.014	40	-0.4	-0.130	0.000	0.0461	
								Infiltration		0.0				
960 minute winter	40	405	6.701	0.008	0.4	0.0007	0.0000 OK	3.015	41	-0.3	-0.116	0.000	0.0385	
								Infiltration		0.0				
960 minute winter	41	405	6.871	0.006	0.3	0.0007	0.0000 OK	3.016	42	-0.2	-0.097	0.000	0.0324	
								Infiltration		0.0				
960 minute winter	42	405	7.089	0.004	0.3	0.0005	0.0000 OK	3.017	43	-0.2	-0.064	0.000	0.0319	
								Infiltration		0.0				
960 minute winter	43	405	7.150	0.005	0.2	0.0006	0.0000 OK	3.018	44	-0.1	-0.032	0.000	0.0251	
								Infiltration		0.0				
960 minute winter	44	405	7.228	0.003	0.1	0.0003	0.0000 OK	3.019	45	0.0	0.023	0.000	0.0202	
960 minute winter	45	420	7.199	0.004	0.1	0.0005	0.0000 OK	3.020	46	0.1	0.059	0.000	0.0288	
								Infiltration		0.0				
960 minute winter	46	420	7.130	0.005	0.2	0.0005	0.0000 OK	3.021	47	0.2	0.087	0.000	0.0357	
								Infiltration		0.0				
960 minute winter	47	420	6.971	0.006	0.3	0.0007	0.0000 OK	3.022	48	0.3	0.080	0.000	0.0907	
								Infiltration		0.0				
960 minute winter	48	600	6.614	0.018	0.4	0.0023	0.0000 OK	3.023	53	0.4	0.065	0.001	0.1570	
								Infiltration		0.0				
960 minute winter	49	1095	7.636	-0.364	75.9	0.0000	0.0000 OK	Orifice	50	0.0				
								Infiltration		0.0				
960 minute winter	50	15	7.400	0.000	0.0	0.0000	0.0000 OK	4.001	51	0.0	0.000	0.000	0.0000	
960 minute winter	51	15	7.300	0.000	0.0	0.0000	0.0000 OK	4.002	52	0.0	0.000	0.000	0.0000	
960 minute winter	52	15	7.200	0.000	0.0	0.0000	0.0000 OK	4.003	53	0.0	0.000	0.000	0.0000	
960 minute winter	53	600	6.812	0.027	0.5	0.0033	0.0000 OK	3.024	54	0.5	0.117	0.000	1.0036	
								Infiltration		0.1				
960 minute winter	54	600	6.812	0.187	0.5	0.0225	0.0000 OK	3.025	54_OUT	0.5	0.032	0.000	2.8153	
								Infiltration		0.2				
960 minute winter	54_OUT	600	6.812	0.307	0.7	0.0369	0.0000 OK	Infiltration		0.3				

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960 minute winter	55	420	8.463	0.017	0.2	0.0058	0.0000	OK	5.000	56	0.2	0.184	0.027	0.0182
960 minute winter	56	405	8.433	0.017	0.4	0.0280	0.0000	OK	5.001	57	0.3	0.228	0.027	0.0312
									Infiltration		0.1			
960 minute winter	57	405	8.335	0.025	0.5	0.0250	0.0000	OK	5.002	58	0.5	0.238	0.059	0.0664
									Infiltration		0.1			
960 minute winter	58	405	8.274	0.028	0.7	0.0657	0.0000	OK	5.003	59	0.5	0.272	0.071	0.1029
									Infiltration		0.2			
960 minute winter	59	585	8.269	0.064	0.7	0.2818	0.0000	OK	5.004	60	0.6	0.043	0.001	1.4653
									Infiltration		0.3			
960 minute winter	60	585	8.269	0.084	0.6	0.0284	0.0000	OK	5.005	61	0.3	0.029	0.000	3.0122
									Infiltration		0.3			
960 minute winter	61	585	8.269	0.133	0.5	0.0451	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
960 minute winter	62	465	8.142	0.096	0.2	0.0019	0.0000	OK	5.007	63	0.2	0.042	0.000	2.1084
960 minute winter	63	900	7.939	0.103	0.4	0.0351	0.0000	OK	5.008	63_OUT	0.2	0.018	0.000	2.2186
									Infiltration		0.2			
960 minute winter	63_OUT	900	7.939	0.174	0.3	0.0592	0.0000	OK	Infiltration		0.2			
960 minute winter	64	830	6.257	0.072	0.1	0.0116	0.0000	OK	6.000	65	0.1	0.041	0.000	0.6530
960 minute winter	65	830	6.257	0.132	0.2	0.0212	0.0000	OK	6.001	66	0.1	0.038	0.000	1.1614
									Infiltration		0.1			
960 minute winter	66	830	6.257	0.184	0.3	0.0260	0.0000	OK	6.002	67	0.0	-0.002	0.000	0.7368
									Infiltration		0.1			
960 minute winter	67	830	6.257	0.181	0.1	0.0281	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
960 minute winter	68	380	6.079	0.003	0.1	0.0004	0.0000	OK	6.004	69	0.1	0.029	0.000	1.7089
960 minute winter	69	830	5.942	0.177	0.2	0.0283	0.0000	OK	6.005	70	0.0	0.050	0.000	0.0000
									Infiltration		0.2			
960 minute winter	70	830	5.765	0.010	0.1	0.0015	0.0000	OK	6.006	71	0.1	0.034	0.000	0.2343
960 minute winter	71	830	5.765	0.060	0.2	0.0127	0.0000	OK	6.007	72	0.1	0.009	0.000	1.1338
									Infiltration		0.1			
960 minute winter	72	830	5.765	0.080	0.2	0.0127	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
960 minute winter	73	830	5.885	0.130	0.1	0.0289	0.0000	OK	6.009	74	0.1	0.016	0.000	0.7345
960 minute winter	74	830	5.885	0.150	0.2	0.0289	0.0000	OK	6.010	75	0.2	0.043	0.000	0.8318
									Infiltration		0.1			
960 minute winter	75	830	5.885	0.180	0.3	0.0289	0.0000	OK	6.011	76	0.3	0.030	0.000	1.0055
									Infiltration		0.1			
960 minute winter	76	830	5.885	0.250	0.4	0.0381	0.0000	OK	6.012	76_OUT	0.1	0.005	0.000	1.1395
									Infiltration		0.1			
960 minute winter	76_OUT	830	5.885	0.250	0.2	0.0401	0.0000	OK	Infiltration		0.1			

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Results for 2 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 94.11%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	1	750	9.572	0.272	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	-0.001	-0.002	0.4853	
1440 minute summer	2	750	9.572	0.322	0.0	0.0000	0.0000	FLOOD RISK	1.001	3	0.0	0.001	0.002	1.1264	
1440 minute summer	3	720	9.572	0.422	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.138	-0.026	0.4986	
1440 minute summer	4	720	9.572	0.472	2.4	0.0000	0.0000	FLOOD RISK	1.003	5	-2.4	-0.124	-0.105	0.8441	
1440 minute summer	5	750	9.572	0.572	3.4	0.0000	0.0000	FLOOD RISK	1.004	6	-3.4	-0.110	-0.091	0.1621	
1440 minute summer	6	750	9.572	0.672	5.6	5.5407	0.0000	FLOOD RISK	1.005	7	4.8	0.533	0.095	0.7796	
1440 minute summer	7	750	9.571	0.821	7.3	3.3476	0.0000	FLOOD RISK	1.006	8	7.3	0.528	0.104	2.4923	
1440 minute summer	8	720	9.570	1.020	12.7	7.0019	0.0000	FLOOD RISK	1.007	9	12.7	0.511	0.117	5.9230	
1440 minute summer	9	720	9.568	1.219	21.5	11.8505	0.0000	FLOOD RISK	1.008	10	21.5	0.473	0.091	3.1360	
1440 minute summer	10	720	9.568	1.268	23.2	2.2486	0.0000	FLOOD RISK	1.009	11	23.2	0.351	0.157	47.8613	
1440 minute summer	11	750	9.561	1.561	23.2	0.0000	0.0000	FLOOD RISK	1.010	12	23.2	0.386	0.081	53.3278	
1440 minute summer	12	390	7.750	1.000	23.2	0.0000	0.0000	FLOOD RISK	1.011	13	23.2	0.190	0.118	0.2529	
1440 minute summer	13	750	9.547	0.047	23.2	0.0000	0.0000	OK	1.012	13_OUT	23.2	2.510	0.019	0.0554	
1440 minute summer	13_OUT	750	7.637	0.103	23.2	0.0000	0.0000	OK	Flow through pond	49	-44.1	0.012	0.000	1020.1725	
1440 minute summer	14	720	9.562	0.262	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.003	-0.004	0.8138	
1440 minute summer	15	720	9.562	0.476	3.5	3.7728	0.0000	FLOOD RISK	2.001	16	3.5	0.453	0.072	0.9254	
1440 minute summer	16	720	9.561	0.570	3.5	0.0000	0.0000	FLOOD RISK	2.002	17	3.5	0.439	0.071	0.6320	
1440 minute summer	17	720	9.561	0.702	5.3	2.1785	0.0000	FLOOD RISK	2.003	18	5.3	0.451	0.058	1.8750	
1440 minute summer	18	720	9.561	0.886	9.7	5.5337	0.0000	FLOOD RISK	2.004	19	9.7	0.444	0.077	5.4890	
1440 minute summer	19	750	9.560	1.104	17.3	9.9546	0.0000	FLOOD RISK	2.005	20	17.3	0.446	0.088	4.0628	
1440 minute summer	20	750	9.560	1.149	17.3	0.0000	0.0000	FLOOD RISK	2.006	21	17.3	0.625	0.087	3.4979	
1440 minute summer	21	750	9.559	1.187	17.3	0.0000	0.0000	FLOOD RISK	2.007	22	17.3	0.534	0.029	3.7404	
1440 minute summer	22	750	9.558	1.559	22.2	6.7719	0.0000	FLOOD RISK	2.008	23	22.2	0.228	0.077	53.3017	
1440 minute summer	23	390	7.750	1.000	22.2	0.0000	0.0000	FLOOD RISK	2.009	24	22.2	0.183	0.113	0.2528	
1440 minute summer	24	750	9.546	0.046	22.2	0.0000	0.0000	OK	2.010	24_OUT	22.2	2.479	0.018	0.0536	
1440 minute summer	24_OUT	750	7.634	0.101	22.2	0.0000	0.0000	OK	Flow through pond	49	-44.1	0.012	0.000	1020.1725	
1440 minute summer	25	750	8.812	0.016	0.4	0.0099	0.0000	OK	3.000	26	0.4	0.338	0.022	0.0425	
1440 minute summer	26	750	8.456	0.021	0.8	0.0024	0.0000	OK	3.001	27	0.6	0.438	0.040	0.0581	
									Infiltration		0.2				
1440 minute summer	27	750	8.136	0.021	1.0	0.0363	0.0000	OK	3.002	28	0.8	0.541	0.041	0.0500	
									Infiltration		0.2				
1440 minute summer	28	750	7.717	0.022	1.2	0.0314	0.0000	OK	3.003	29	1.1	0.652	0.048	0.0500	
									Infiltration		0.1				
1440 minute summer	29	750	7.068	0.023	1.5	0.0295	0.0000	OK	3.004	30	1.4	0.806	0.050	0.0115	
									Infiltration		0.1				
1440 minute summer	30	750	6.842	0.017	1.5	0.0020	0.0000	OK	3.005	31	1.5	0.138	0.001	0.3679	
1440 minute summer	31	750	6.747	0.052	1.6	0.0063	0.0000	OK	3.006	32	1.2	0.656	0.001	0.6297	
									Infiltration		0.4				
1440 minute summer	32	750	6.747	0.102	1.4	0.0123	0.0000	OK	3.007	33	-0.1	-0.004	0.000	0.4363	

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									Infiltration		0.5				
									Infiltration		0.8				
1440 minute summer	33	690	6.777	0.002	0.1	0.0003	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0184	
1440 minute summer	34	720	6.748	0.003	0.1	0.0004	0.0000	OK	3.009	35	0.1	0.055	0.000	0.0171	
									Infiltration		0.5				
1440 minute summer	35	720	6.679	0.004	0.2	0.0004	0.0000	OK	3.010	36	0.2	0.017	0.000	0.2791	
									Infiltration		0.0				
1440 minute summer	36	810	6.578	0.073	0.3	0.0083	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.3				
1440 minute summer	37	690	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.011	0.000	0.5364	
1440 minute summer	38	810	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.045	0.000	0.3804	
									Infiltration		0.3				
									Infiltration		0.4				
1440 minute summer	39	690	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461	
									Infiltration		0.0				
1440 minute summer	40	690	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0368	
									Infiltration		0.0				
1440 minute summer	41	690	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324	
									Infiltration		0.0				
1440 minute summer	42	690	7.088	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.084	0.000	0.0319	
									Infiltration		0.0				
1440 minute summer	43	690	7.156	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251	
									Infiltration		0.0				
1440 minute summer	44	690	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202	
1440 minute summer	45	720	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0286	
									Infiltration		0.0				
1440 minute summer	46	720	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357	
									Infiltration		0.0				
1440 minute summer	47	720	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.055	0.000	0.0828	
									Infiltration		0.0				
1440 minute summer	48	720	6.812	0.017	0.4	0.0021	0.0000	OK	3.023	50	0.4	0.065	0.001	0.0861	
									Infiltration		0.0				
1440 minute summer	49	1470	7.632	-0.368	45.4	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.8				
1440 minute summer	50	30	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
1440 minute summer	51	30	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
1440 minute summer	52	30	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
1440 minute summer	53	720	6.792	0.007	0.5	0.0009	0.0000	OK	3.024	54	0.5	0.104	0.000	0.7798	
									Infiltration		0.0				
1440 minute summer	54	810	6.787	0.182	0.8	0.0195	0.0000	OK	3.025	54_OUT	0.4	0.026	0.000	2.4529	
									Infiltration		0.2				
1440 minute summer	54_OUT	810	6.787	0.282	0.5	0.0339	0.0000	OK	Infiltration		0.3				
1440 minute summer	55	720	8.463	0.017	0.2	0.0058	0.0000	OK	5.000	56	0.2	0.184	0.027	0.0182	
1440 minute summer	56	720	8.433	0.017	0.4	0.0280	0.0000	OK	5.001	57	0.3	0.228	0.027	0.0312	

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								Infiltration		0.1				
1440 minute summer	57	720	8.335	0.025	0.5	0.0250	0.0000 OK	5.002	58	0.5	0.238	0.059	0.0628	
								Infiltration		0.1				
1440 minute summer	58	690	8.273	0.028	0.7	0.0606	0.0000 OK	5.003	59	0.5	0.268	0.072	0.0740	
								Infiltration		0.2				
1440 minute summer	59	780	8.251	0.046	0.7	0.1767	0.0000 OK	5.004	60	0.5	0.042	0.001	1.0740	
								Infiltration		0.2				
1440 minute summer	60	780	8.250	0.065	0.7	0.0023	0.0000 OK	5.005	61	0.3	0.025	0.000	2.4394	
								Infiltration		0.3				
1440 minute summer	61	780	8.250	0.114	0.5	0.0389	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000	
								Infiltration		0.4				
1440 minute summer	62	780	8.142	0.006	0.2	0.0018	0.0000 OK	5.007	63	0.2	0.041	0.000	1.6020	
1440 minute summer	63	810	7.917	0.081	0.4	0.0275	0.0000 OK	5.008	63_OUT	0.2	0.017	0.000	1.8039	
								Infiltration		0.1				
1440 minute summer	63_OUT	810	7.917	0.152	0.3	0.0517	0.0000 OK	Infiltration		0.2				
1440 minute summer	64	840	6.238	0.053	0.1	0.0055	0.0000 OK	6.000	65	0.1	0.040	0.000	0.5143	
1440 minute summer	65	840	6.238	0.113	0.2	0.0181	0.0000 OK	6.001	66	0.2	0.022	0.000	0.9798	
								Infiltration		0.1				
1440 minute summer	66	840	6.238	0.145	0.3	0.0229	0.0000 OK	6.002	67	0.0	0.002	0.000	0.6370	
								Infiltration		0.1				
1440 minute summer	67	840	6.238	0.182	0.1	0.0251	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000	
								Infiltration		0.1				
1440 minute summer	68	690	6.079	0.003	0.1	0.0004	0.0000 OK	6.004	69	0.1	0.017	0.000	1.5097	
1440 minute summer	69	840	5.925	0.186	0.2	0.0256	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000	
								Infiltration		0.1				
1440 minute summer	70	660	5.758	0.003	0.1	0.0005	0.0000 OK	6.006	71	0.1	0.023	0.000	0.2000	
1440 minute summer	71	840	5.758	0.073	0.2	0.0117	0.0000 OK	6.007	72	0.1	0.008	0.000	1.0303	
								Infiltration		0.1				
1440 minute summer	72	840	5.758	0.073	0.2	0.0117	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000	
								Infiltration		0.2				
1440 minute summer	73	840	5.855	0.150	0.1	0.0240	0.0000 OK	6.009	74	0.1	0.015	0.000	0.5830	
1440 minute summer	74	840	5.855	0.150	0.2	0.0240	0.0000 OK	6.010	75	0.2	0.040	0.000	0.8802	
								Infiltration		0.1				
1440 minute summer	75	840	5.855	0.150	0.3	0.0240	0.0000 OK	6.011	76	0.2	0.020	0.000	0.8278	
								Infiltration		0.1				
1440 minute summer	76	840	5.855	0.220	0.3	0.0334	0.0000 OK	6.012	76_OUT	0.1	0.003	0.000	0.9600	
								Infiltration		0.1				
1440 minute summer	76_OUT	840	5.855	0.220	0.2	0.0352	0.0000 OK	Infiltration		0.1				

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Results for 2 year 1440 minute winter. 1880 minute analysis at 30 minute timestep. Mass balance: 84.77%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	1	720	9.555	0.255	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	0.091	0.002	0.4653	
1440 minute winter	2	720	9.555	0.305	0.1	0.0000	0.0000	FLOOD RISK	1.001	3	0.1	0.004	0.005	1.1264	
1440 minute winter	3	750	9.556	0.406	0.1	0.0000	0.0000	FLOOD RISK	1.002	4	0.2	0.007	0.010	0.4985	
1440 minute winter	4	750	9.556	0.456	0.2	0.0000	0.0000	FLOOD RISK	1.003	5	0.3	0.008	0.011	0.8441	
1440 minute winter	5	750	9.555	0.555	1.7	0.0000	0.0000	FLOOD RISK	1.004	6	-1.7	-0.093	-0.044	0.1621	
1440 minute winter	6	720	9.555	0.655	5.1	5.4024	0.0000	FLOOD RISK	1.005	7	3.7	0.514	0.077	0.7796	
1440 minute winter	7	720	9.555	0.805	5.5	3.2807	0.0000	FLOOD RISK	1.006	8	5.7	0.513	0.081	2.4823	
1440 minute winter	8	750	9.554	1.004	9.5	6.6934	0.0000	FLOOD RISK	1.007	9	9.8	0.509	0.088	5.9230	
1440 minute winter	9	720	9.553	1.203	16.1	11.7026	0.0000	FLOOD RISK	1.008	10	16.1	0.481	0.068	3.1360	
1440 minute winter	10	720	9.553	1.253	17.4	2.2220	0.0000	FLOOD RISK	1.009	11	17.4	0.359	0.118	47.8613	
1440 minute winter	11	720	9.549	1.549	17.4	0.0000	0.0000	FLOOD RISK	1.010	12	17.4	0.274	0.060	53.3278	
1440 minute winter	12	360	7.750	1.000	17.4	0.0000	0.0000	FLOOD RISK	1.011	13	17.4	0.145	0.089	0.2508	
1440 minute winter	13	750	9.541	0.041	17.4	0.0000	0.0000	OK	1.012	13_OUT	17.4	2.299	0.014	0.0454	
1440 minute winter	13_OUT	1470	7.651	0.118	17.4	0.0000	0.0000	OK	Flow through pond	49	44.1	0.010	0.000	1186.4570	
1440 minute winter	14	720	9.550	0.250	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.003	-0.003	0.8136	
1440 minute winter	15	720	9.550	0.464	2.7	3.8756	0.0000	FLOOD RISK	2.001	16	2.7	0.445	0.058	0.9254	
1440 minute winter	16	750	9.549	0.558	2.7	0.0000	0.0000	FLOOD RISK	2.002	17	2.7	0.448	0.055	0.6320	
1440 minute winter	17	750	9.549	0.690	4.1	2.1416	0.0000	FLOOD RISK	2.003	18	4.1	0.480	0.052	1.8750	
1440 minute winter	18	720	9.549	0.868	7.4	5.4601	0.0000	FLOOD RISK	2.004	19	7.4	0.488	0.059	5.4890	
1440 minute winter	19	720	9.549	1.093	13.1	9.8522	0.0000	FLOOD RISK	2.005	20	13.1	0.468	0.068	4.0628	
1440 minute winter	20	720	9.548	1.137	13.1	0.0000	0.0000	FLOOD RISK	2.006	21	13.1	0.650	0.068	3.4979	
1440 minute winter	21	750	9.548	1.176	13.1	0.0000	0.0000	FLOOD RISK	2.007	22	13.1	0.556	0.022	3.7464	
1440 minute winter	22	750	9.548	1.548	16.8	6.7242	0.0000	FLOOD RISK	2.008	23	16.8	0.302	0.058	53.3017	
1440 minute winter	23	330	7.750	1.000	16.8	0.0000	0.0000	FLOOD RISK	2.009	24	16.8	0.140	0.086	0.2508	
1440 minute winter	24	750	9.540	0.040	16.8	0.0000	0.0000	OK	2.010	24_OUT	16.8	2.273	0.014	0.0442	
1440 minute winter	24_OUT	1410	7.651	0.118	16.8	0.0000	0.0000	OK	Flow through pond	49	44.1	0.010	0.000	1186.4570	
1440 minute winter	25	660	8.810	0.014	0.3	0.0087	0.0000	OK	3.000	26	0.3	0.312	0.017	0.0343	
1440 minute winter	26	660	8.453	0.018	0.8	0.0255	0.0000	OK	3.001	27	0.5	0.399	0.029	0.0460	
									Infiltration		0.1				
1440 minute winter	27	660	8.133	0.018	0.6	0.0292	0.0000	OK	3.002	28	0.8	0.487	0.029	0.0391	
									Infiltration		0.2				
1440 minute winter	28	660	7.714	0.019	0.9	0.0244	0.0000	OK	3.003	29	0.8	0.557	0.032	0.0468	
									Infiltration		0.1				
1440 minute winter	29	660	7.085	0.020	1.1	0.0230	0.0000	OK	3.004	30	1.0	0.728	0.035	0.0091	
									Infiltration		0.1				
1440 minute winter	30	690	6.839	0.014	1.1	0.0017	0.0000	OK	3.005	31	1.1	0.135	0.000	0.2335	
1440 minute winter	31	810	6.727	0.032	1.2	0.0036	0.0000	OK	3.006	32	1.0	0.056	0.001	0.4443	
									Infiltration		0.2				

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1440 minute winter	32	810	6.726	0.081	1.1	0.0097	0.0000	OK	3.007	33	-0.1	-0.003	0.000	0.3357
									Infiltration		0.4			
									Infiltration		0.7			
1440 minute winter	33	590	6.777	0.002	0.1	0.0003	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0184
1440 minute winter	34	720	6.748	0.003	0.1	0.0004	0.0000	OK	3.009	35	0.1	0.055	0.000	0.0171
									Infiltration		0.0			
1440 minute winter	35	720	6.679	0.004	0.2	0.0004	0.0000	OK	3.010	36	0.2	0.017	0.000	0.2791
									Infiltration		0.0			
1440 minute winter	36	810	6.578	0.073	0.3	0.0083	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
1440 minute winter	37	590	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.011	0.000	0.5364
1440 minute winter	38	810	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.045	0.000	0.3804
									Infiltration		0.3			
									Infiltration		0.4			
1440 minute winter	39	590	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461
									Infiltration		0.0			
1440 minute winter	40	590	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0385
									Infiltration		0.0			
1440 minute winter	41	590	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324
									Infiltration		0.0			
1440 minute winter	42	590	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.064	0.000	0.0319
									Infiltration		0.0			
1440 minute winter	43	590	7.150	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251
									Infiltration		0.0			
1440 minute winter	44	590	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202
1440 minute winter	45	720	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0288
									Infiltration		0.0			
1440 minute winter	46	720	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357
									Infiltration		0.0			
1440 minute winter	47	720	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.055	0.000	0.0828
									Infiltration		0.0			
1440 minute winter	48	720	6.812	0.017	0.4	0.0021	0.0000	OK	3.023	53	0.4	0.055	0.001	0.0861
									Infiltration		0.0			
1440 minute winter	49	1650	7.851	-0.349	47.9	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
1440 minute winter	50	30	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
1440 minute winter	51	30	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
1440 minute winter	52	30	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
1440 minute winter	53	720	6.792	0.007	0.5	0.0009	0.0000	OK	3.024	54	0.5	0.104	0.000	0.7798
									Infiltration		0.0			
1440 minute winter	54	810	6.787	0.182	0.5	0.0195	0.0000	OK	3.025	54_OUT	0.4	0.026	0.000	2.4529
									Infiltration		0.2			
1440 minute winter	54_OUT	810	6.787	0.282	0.5	0.0339	0.0000	OK	Infiltration		0.3			

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1440 minute winter	55	720	8.463	0.017	0.2	0.0058	0.0000	OK	5.000	56	0.2	0.184	0.027	0.0182
1440 minute winter	56	720	8.433	0.017	0.4	0.0280	0.0000	OK	5.001	57	0.3	0.238	0.027	0.0312
									Infiltration		0.1			
1440 minute winter	57	720	8.335	0.025	0.5	0.0250	0.0000	OK	5.002	58	0.5	0.238	0.059	0.0628
									Infiltration		0.1			
1440 minute winter	58	690	8.273	0.028	0.7	0.0606	0.0000	OK	5.003	59	0.5	0.266	0.071	0.0754
									Infiltration		0.2			
1440 minute winter	59	780	8.252	0.047	0.7	0.1764	0.0000	OK	5.004	60	0.5	0.042	0.001	1.0930
									Infiltration		0.2			
1440 minute winter	60	780	8.251	0.066	0.7	0.0226	0.0000	OK	5.005	61	0.3	0.025	0.000	2.4675
									Infiltration		0.3			
1440 minute winter	61	780	8.251	0.115	0.5	0.0392	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
1440 minute winter	62	780	8.142	0.006	0.2	0.0019	0.0000	OK	5.007	63	0.2	0.041	0.000	1.7068
1440 minute winter	63	810	7.922	0.086	0.4	0.0292	0.0000	OK	5.008	63_OUT	0.2	0.017	0.000	1.8918
									Infiltration		0.2			
1440 minute winter	63_OUT	810	7.922	0.157	0.3	0.0533	0.0000	OK	Infiltration		0.2			
1440 minute winter	64	900	6.270	0.055	0.1	0.0136	0.0000	OK	6.000	65	0.1	0.040	0.000	0.7477
1440 minute winter	65	900	6.270	0.145	0.2	0.0232	0.0000	OK	6.001	66	0.2	0.022	0.000	1.2846
									Infiltration		0.1			
1440 minute winter	66	900	6.270	0.177	0.3	0.0280	0.0000	OK	6.002	67	0.0	0.002	0.000	0.8078
									Infiltration		0.1			
1440 minute winter	67	900	6.270	0.194	0.1	0.0301	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
1440 minute winter	68	930	6.079	0.003	0.1	0.0004	0.0000	OK	6.004	69	0.1	0.017	0.000	1.8237
1440 minute winter	69	900	5.951	0.186	0.2	0.0298	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
1440 minute winter	70	900	5.769	0.014	0.1	0.0022	0.0000	OK	6.006	71	0.1	0.023	0.000	0.2570
1440 minute winter	71	900	5.769	0.084	0.2	0.0134	0.0000	OK	6.007	72	0.1	0.008	0.000	1.2015
									Infiltration		0.1			
1440 minute winter	72	900	5.769	0.084	0.2	0.0134	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
1440 minute winter	73	900	5.906	0.251	0.1	0.0321	0.0000	OK	6.009	74	0.1	0.015	0.000	0.8412
1440 minute winter	74	900	5.906	0.251	0.2	0.0321	0.0000	OK	6.010	75	0.2	0.040	0.000	0.9525
									Infiltration		0.1			
1440 minute winter	75	900	5.908	0.201	0.3	0.0321	0.0000	OK	6.011	76	0.2	0.020	0.000	1.1298
									Infiltration		0.1			
1440 minute winter	76	900	5.906	0.271	0.3	0.0411	0.0000	OK	6.012	76_OUT	0.1	0.003	0.000	1.2647
									Infiltration		0.1			
1440 minute winter	76_OUT	900	5.906	0.271	0.2	0.0433	0.0000	OK	Infiltration		0.1			

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Results for 2 year 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 94.81%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	1	1080	9.553	0.253	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	-0.002	-0.002	0.4853	
2160 minute summer	2	1080	9.553	0.303	0.0	0.0000	0.0000	FLOOD RISK	1.001	3	0.1	0.002	0.003	1.1264	
2160 minute summer	3	1140	9.553	0.403	0.1	0.0000	0.0000	FLOOD RISK	1.002	4	0.0	-0.001	-0.001	0.4986	
2160 minute summer	4	1140	9.553	0.453	0.1	0.0000	0.0000	FLOOD RISK	1.003	5	0.1	0.002	0.002	0.8441	
2160 minute summer	5	1080	9.553	0.553	0.6	0.0000	0.0000	FLOOD RISK	1.004	6	-0.6	-0.098	-0.017	0.1621	
2160 minute summer	6	1080	9.553	0.653	3.3	5.3830	0.0000	FLOOD RISK	1.005	7	3.3	0.454	0.088	0.7796	
2160 minute summer	7	1080	9.553	0.803	5.2	3.2713	0.0000	FLOOD RISK	1.006	8	5.2	0.454	0.074	2.4923	
2160 minute summer	8	1140	9.552	1.002	9.0	6.8777	0.0000	FLOOD RISK	1.007	9	9.0	0.426	0.083	5.9230	
2160 minute summer	9	1080	9.551	1.201	15.3	11.6813	0.0000	FLOOD RISK	1.008	10	15.3	0.364	0.085	3.1360	
2160 minute summer	10	1080	9.551	1.251	16.5	2.2182	0.0000	FLOOD RISK	1.009	11	16.5	0.311	0.112	47.8613	
2160 minute summer	11	1140	9.547	1.547	16.5	0.0000	0.0000	FLOOD RISK	1.010	12	16.5	0.150	0.057	53.3278	
2160 minute summer	12	540	7.750	1.000	16.5	0.0000	0.0000	FLOOD RISK	1.011	13	16.5	0.137	0.084	0.2505	
2160 minute summer	13	1140	9.546	0.640	16.5	0.0000	0.0000	OK	1.012	13_OUT	16.5	2.250	0.013	0.0437	
2160 minute summer	13_OUT	2160	7.649	0.115	16.5	0.0000	0.0000	OK	Flow through pond	49	26.7	0.008	0.000	1161.2078	
2160 minute summer	14	1140	9.548	0.248	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.0	0.001	0.001	0.8136	
2160 minute summer	15	1080	9.548	0.482	2.7	3.6804	0.0000	FLOOD RISK	2.001	16	2.5	0.368	0.052	0.9254	
2160 minute summer	16	1080	9.547	0.556	2.5	0.0000	0.0000	FLOOD RISK	2.002	17	2.5	0.394	0.051	0.6320	
2160 minute summer	17	1080	9.547	0.688	3.8	2.1358	0.0000	FLOOD RISK	2.003	18	3.8	0.399	0.049	1.8750	
2160 minute summer	18	1080	9.547	0.886	7.0	5.4482	0.0000	FLOOD RISK	2.004	19	7.0	0.398	0.056	5.4890	
2160 minute summer	19	1080	9.547	1.091	12.4	9.8356	0.0000	FLOOD RISK	2.005	20	12.4	0.367	0.063	4.0628	
2160 minute summer	20	1080	9.546	1.135	12.4	0.0000	0.0000	FLOOD RISK	2.006	21	12.4	0.541	0.063	3.4979	
2160 minute summer	21	1140	9.546	1.174	12.4	0.0000	0.0000	FLOOD RISK	2.007	22	12.4	0.471	0.021	3.7404	
2160 minute summer	22	1140	9.546	1.546	15.9	6.7184	0.0000	FLOOD RISK	2.008	23	15.9	0.101	0.055	53.3017	
2160 minute summer	23	540	7.750	1.000	15.9	0.0000	0.0000	FLOOD RISK	2.009	24	15.9	0.133	0.081	0.2505	
2160 minute summer	24	1140	9.539	0.639	15.9	0.0000	0.0000	OK	2.010	24_OUT	15.9	2.234	0.013	0.0426	
2160 minute summer	24_OUT	2220	7.647	0.114	15.9	0.0000	0.0000	OK	Flow through pond	49	26.7	0.008	0.000	1161.2078	
2160 minute summer	25	1140	8.818	0.014	0.3	0.0087	0.0000	OK	3.000	26	0.3	0.311	0.017	0.0343	
2160 minute summer	26	1140	8.453	0.018	0.6	0.0255	0.0000	OK	3.001	27	0.5	0.399	0.029	0.0460	
									Infiltration		0.1				
2160 minute summer	27	1140	8.133	0.018	0.8	0.0293	0.0000	OK	3.002	28	0.6	0.487	0.029	0.0391	
									Infiltration		0.2				
2160 minute summer	28	1140	7.714	0.018	0.9	0.0244	0.0000	OK	3.003	29	0.8	0.587	0.032	0.0468	
									Infiltration		0.1				
2160 minute summer	29	1140	7.065	0.020	1.1	0.0230	0.0000	OK	3.004	30	1.0	0.728	0.035	0.0091	
									Infiltration		0.1				
2160 minute summer	30	1140	6.839	0.014	1.1	0.0017	0.0000	OK	3.005	31	1.1	0.128	0.000	0.2292	
2160 minute summer	31	1140	6.726	0.031	1.2	0.0037	0.0000	OK	3.006	32	1.0	0.052	0.001	0.4375	
									Infiltration		0.2				
2160 minute summer	32	1140	6.725	0.680	1.1	0.0096	0.0000	OK	3.007	33	-0.1	-0.004	0.000	0.3320	

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								Infiltration		0.4					
								Infiltration		0.7					
2160 minute summer	33	1140	6.777	0.002	0.1	0.0003	0.0000 OK	3.008	34	0.0	0.000	0.000	0.0184		
2160 minute summer	34	1140	6.748	0.003	0.1	0.0004	0.0000 OK	3.009	35	0.1	0.055	0.000	0.0171		
								Infiltration		0.0					
2160 minute summer	35	1140	6.679	0.004	0.2	0.0004	0.0000 OK	3.010	36	0.2	0.012	0.000	0.2761		
								Infiltration		0.0					
2160 minute summer	36	1140	6.577	0.072	0.3	0.0082	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
2160 minute summer	37	1140	6.508	0.003	0.1	0.0003	0.0000 OK	3.012	38	0.1	0.006	0.000	0.5291		
2160 minute summer	38	1140	6.346	0.081	0.7	0.0097	0.0000 OK	3.013	39	-0.5	-0.030	0.000	0.3557		
								Infiltration		0.3					
								Infiltration		0.4					
2160 minute summer	39	1140	6.462	0.007	0.5	0.0009	0.0000 OK	3.014	40	-0.4	-0.130	0.000	0.0461		
								Infiltration		0.0					
2160 minute summer	40	1140	6.701	0.006	0.4	0.0007	0.0000 OK	3.015	41	-0.3	-0.116	0.000	0.0388		
								Infiltration		0.0					
2160 minute summer	41	1140	6.871	0.006	0.3	0.0007	0.0000 OK	3.016	42	-0.2	-0.097	0.000	0.0324		
								Infiltration		0.0					
2160 minute summer	42	1140	7.089	0.004	0.3	0.0005	0.0000 OK	3.017	43	-0.2	-0.064	0.000	0.0319		
								Infiltration		0.0					
2160 minute summer	43	1140	7.156	0.005	0.2	0.0006	0.0000 OK	3.018	44	-0.1	-0.031	0.000	0.0251		
								Infiltration		0.0					
2160 minute summer	44	1140	7.228	0.003	0.1	0.0003	0.0000 OK	3.019	45	0.0	0.023	0.000	0.0202		
2160 minute summer	45	1140	7.198	0.004	0.1	0.0005	0.0000 OK	3.020	46	0.1	0.059	0.000	0.0286		
								Infiltration		0.0					
2160 minute summer	46	1140	7.130	0.005	0.2	0.0005	0.0000 OK	3.021	47	0.2	0.087	0.000	0.0357		
								Infiltration		0.0					
2160 minute summer	47	1140	6.971	0.006	0.3	0.0007	0.0000 OK	3.022	48	0.3	0.055	0.000	0.0828		
								Infiltration		0.0					
2160 minute summer	48	1140	6.812	0.017	0.4	0.0021	0.0000 OK	3.023	50	0.4	0.065	0.001	0.0861		
								Infiltration		0.0					
2160 minute summer	49	2340	7.648	-0.352	28.4	0.0000	0.0000 OK	Orifice	50	0.0					
								Infiltration		0.0					
2160 minute summer	50	60	7.400	0.000	0.0	0.0000	0.0000 OK	4.001	51	0.0	0.000	0.000	0.0000		
2160 minute summer	51	60	7.300	0.000	0.0	0.0000	0.0000 OK	4.002	52	0.0	0.000	0.000	0.0000		
2160 minute summer	52	60	7.200	0.000	0.0	0.0000	0.0000 OK	4.003	53	0.0	0.000	0.000	0.0000		
2160 minute summer	53	1140	6.792	0.007	0.5	0.0009	0.0000 OK	3.024	54	0.5	0.112	0.000	0.4458		
								Infiltration		0.0					
2160 minute summer	54	1200	6.728	0.103	0.8	0.0124	0.0000 OK	3.025	54_OUT	0.5	0.013	0.000	1.6731		
								Infiltration		0.1					
2160 minute summer	54_OUT	1200	6.728	0.223	0.6	0.0268	0.0000 OK	Infiltration		0.2					
2160 minute summer	55	1140	8.463	0.017	0.2	0.0058	0.0000 OK	5.000	56	0.2	0.184	0.027	0.0182		
2160 minute summer	56	1140	8.433	0.017	0.4	0.0280	0.0000 OK	5.001	57	0.3	0.228	0.027	0.0312		

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								Infiltration		0.1					
2160 minute summer	57	1140	8.335	0.025	0.5	0.0250	0.0000 OK	5.002	58	0.5	0.238	0.059	0.0635		
								Infiltration		0.1					
2160 minute summer	58	1080	8.273	0.028	0.7	0.0607	0.0000 OK	5.003	59	0.5	0.256	0.071	0.0690		
								Infiltration		0.2					
2160 minute summer	59	1140	8.247	0.042	0.7	0.1495	0.0000 OK	5.004	60	0.5	0.041	0.001	1.0025		
								Infiltration		0.2					
2160 minute summer	60	1140	8.247	0.062	0.7	0.0211	0.0000 OK	5.005	61	0.3	0.026	0.000	2.3335		
								Infiltration		0.3					
2160 minute summer	61	1140	8.247	0.111	0.5	0.0377	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
2160 minute summer	62	1140	8.142	0.006	0.2	0.0019	0.0000 OK	5.007	63	0.2	0.040	0.000	1.6361		
2160 minute summer	63	1200	7.919	0.083	0.4	0.0281	0.0000 OK	5.008	63_OUT	0.1	0.014	0.000	1.8353		
								Infiltration		0.1					
2160 minute summer	63_OUT	1200	7.919	0.154	0.3	0.0523	0.0000 OK	Infiltration		0.2					
2160 minute summer	64	1200	6.233	0.048	0.1	0.0076	0.0000 OK	6.000	65	0.1	0.023	0.000	0.4770		
2160 minute summer	65	1200	6.233	0.108	0.2	0.0172	0.0000 OK	6.001	66	0.1	0.005	0.000	0.9308		
								Infiltration		0.1					
2160 minute summer	66	1200	6.233	0.140	0.2	0.0221	0.0000 OK	6.002	67	0.0	0.001	0.000	0.6095		
								Infiltration		0.1					
2160 minute summer	67	1200	6.233	0.157	0.1	0.0243	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
2160 minute summer	68	1080	6.079	0.003	0.1	0.0004	0.0000 OK	6.004	69	0.1	0.009	0.000	1.4503		
2160 minute summer	69	1200	5.920	0.155	0.2	0.0248	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
2160 minute summer	70	1080	5.758	0.003	0.1	0.0005	0.0000 OK	6.006	71	0.1	0.014	0.000	0.1938		
2160 minute summer	71	1200	5.756	0.071	0.2	0.0114	0.0000 OK	6.007	72	0.1	0.006	0.000	0.9971		
								Infiltration		0.1					
2160 minute summer	72	1200	5.756	0.071	0.2	0.0114	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
2160 minute summer	73	1200	5.847	0.142	0.1	0.0227	0.0000 OK	6.009	74	0.1	0.013	0.000	0.5442		
2160 minute summer	74	1200	5.847	0.142	0.2	0.0227	0.0000 OK	6.010	75	0.1	0.018	0.000	0.6162		
								Infiltration		0.1					
2160 minute summer	75	1200	5.847	0.142	0.2	0.0227	0.0000 OK	6.011	76	0.2	0.006	0.000	0.7820		
								Infiltration		0.1					
2160 minute summer	76	1200	5.847	0.212	0.3	0.0322	0.0000 OK	6.012	76_OUT	0.0	0.001	0.000	0.9139		
								Infiltration		0.1					
2160 minute summer	76_OUT	1200	5.847	0.212	0.1	0.0339	0.0000 OK	Infiltration		0.1					

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Results for 2 year 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 86.14%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	1	1060	9.544	0.244	0.5	0.0000	0.0000	FLOOD RISK	1.000	2	-0.5	-0.020	-0.025	0.4653	
2160 minute winter	2	1080	9.544	0.294	1.3	0.0000	0.0000	FLOOD RISK	1.001	3	-1.3	-0.040	-0.063	1.1264	
2160 minute winter	3	1080	9.544	0.394	1.5	0.0000	0.0000	FLOOD RISK	1.002	4	-1.5	-0.047	-0.070	0.4986	
2160 minute winter	4	1060	9.544	0.444	1.7	0.0000	0.0000	FLOOD RISK	1.003	5	-1.7	-0.055	-0.074	0.8441	
2160 minute winter	5	1060	9.544	0.544	2.0	0.0000	0.0000	FLOOD RISK	1.004	6	-2.0	-0.062	-0.052	0.1621	
2160 minute winter	6	1140	9.544	0.644	3.9	5.3070	0.0000	FLOOD RISK	1.005	7	2.8	0.461	0.054	0.7796	
2160 minute winter	7	1140	9.544	0.794	4.1	3.2343	0.0000	FLOOD RISK	1.006	8	4.1	0.438	0.059	2.4823	
2160 minute winter	8	1080	9.543	0.993	7.1	6.6172	0.0000	FLOOD RISK	1.007	9	7.1	0.438	0.066	5.9230	
2160 minute winter	9	1080	9.543	1.193	12.0	11.5968	0.0000	FLOOD RISK	1.008	10	12.0	0.414	0.051	3.1360	
2160 minute winter	10	1060	9.543	1.243	12.9	2.2033	0.0000	FLOOD RISK	1.009	11	12.9	0.313	0.087	47.8613	
2160 minute winter	11	1060	9.540	1.540	12.9	0.0000	0.0000	FLOOD RISK	1.010	12	12.9	0.222	0.045	53.3278	
2160 minute winter	12	480	7.750	1.000	12.9	0.0000	0.0000	FLOOD RISK	1.011	13	12.9	0.108	0.065	0.2491	
2160 minute winter	13	1140	9.536	0.036	12.9	0.0000	0.0000	OK	1.012	13_OUT	12.9	2.092	0.010	0.0369	
2160 minute winter	13_OUT	2400	7.869	0.135	12.9	0.0000	0.0000	OK	Flow through pond	49	73.9	0.011	0.000	1350.2499	
2160 minute winter	14	1140	9.540	0.240	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.006	-0.008	0.8136	
2160 minute winter	15	1060	9.540	0.454	2.0	3.8000	0.0000	FLOOD RISK	2.001	16	2.0	0.402	0.041	0.9254	
2160 minute winter	16	1060	9.540	0.548	2.0	0.0000	0.0000	FLOOD RISK	2.002	17	2.0	0.360	0.041	0.6320	
2160 minute winter	17	1080	9.540	0.681	3.0	2.1127	0.0000	FLOOD RISK	2.003	18	3.0	0.392	0.038	1.8750	
2160 minute winter	18	1080	9.540	0.859	5.4	5.4021	0.0000	FLOOD RISK	2.004	19	5.4	0.420	0.043	5.4890	
2160 minute winter	19	1060	9.539	1.083	9.6	9.7708	0.0000	FLOOD RISK	2.005	20	9.6	0.387	0.049	4.0628	
2160 minute winter	20	1060	9.539	1.128	9.6	0.0000	0.0000	FLOOD RISK	2.006	21	9.6	0.541	0.049	3.4979	
2160 minute winter	21	1140	9.539	1.187	9.6	0.0000	0.0000	FLOOD RISK	2.007	22	9.6	0.461	0.016	3.7464	
2160 minute winter	22	1140	9.539	1.539	12.3	6.5862	0.0000	FLOOD RISK	2.008	23	12.3	0.143	0.043	53.3017	
2160 minute winter	23	480	7.750	1.000	12.3	0.0000	0.0000	FLOOD RISK	2.009	24	12.3	0.103	0.063	0.2490	
2160 minute winter	24	1140	9.535	0.035	12.3	0.0000	0.0000	OK	2.010	24_OUT	12.3	2.083	0.010	0.0357	
2160 minute winter	24_OUT	2400	7.670	0.137	12.3	0.0000	0.0000	OK	Flow through pond	49	73.9	0.011	0.000	1350.2499	
2160 minute winter	25	960	8.807	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.282	0.011	0.0253	
2160 minute winter	26	960	8.448	0.014	0.4	0.0183	0.0000	OK	3.001	27	0.3	0.351	0.018	0.0327	
									Infiltration		0.1				
2160 minute winter	27	960	8.129	0.014	0.5	0.0200	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0273	
									Infiltration		0.1				
2160 minute winter	28	960	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.503	0.019	0.0328	
									Infiltration		0.1				
2160 minute winter	29	960	7.080	0.015	0.7	0.0162	0.0000	OK	3.004	30	0.6	0.626	0.021	0.0064	
									Infiltration		0.1				
2160 minute winter	30	960	6.835	0.010	0.5	0.0012	0.0000	OK	3.005	31	0.5	0.113	0.000	0.1012	
2160 minute winter	31	960	6.706	0.011	0.6	0.0013	0.0000	OK	3.006	32	0.5	0.052	0.000	0.1504	
									Infiltration		0.1				

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2160 minute winter	32	1080	6.675	0.030	0.5	0.0037	0.0000	OK	3.007	33	0.0	0.000	0.000	0.1126
									Infiltration		0.1			
									Infiltration		0.4			
2160 minute winter	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002
2160 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2160 minute winter	35	80	6.875	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2160 minute winter	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
2160 minute winter	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003
2160 minute winter	38	80	6.265	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
									Infiltration		0.0			
2160 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2160 minute winter	40	80	6.895	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2160 minute winter	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2160 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2160 minute winter	43	80	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2160 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002
2160 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2160 minute winter	46	80	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2160 minute winter	47	80	6.965	0.000	0.0	0.0000	0.0000	OK	3.022	48	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2160 minute winter	48	60	6.795	0.000	0.0	0.0000	0.0000	OK	3.023	53	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2160 minute winter	49	2220	7.669	-0.331	75.2	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
2160 minute winter	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
2160 minute winter	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
2160 minute winter	52	80	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
2160 minute winter	53	80	6.785	0.000	0.0	0.0000	0.0000	OK	3.024	54	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2160 minute winter	54	60	6.525	0.000	0.0	0.0000	0.0000	OK	3.025	54_OUT	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2160 minute winter	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

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2160 minute winter	55	780	8.459	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111
2160 minute winter	56	780	8.428	0.012	0.2	0.0149	0.0000	OK	5.001	57	0.2	0.182	0.012	0.0180
									Infiltration		0.0			
2160 minute winter	57	780	8.327	0.017	0.3	0.0130	0.0000	OK	5.002	58	0.2	0.177	0.027	0.0378
									Infiltration		0.0			
2160 minute winter	58	900	8.265	0.020	0.3	0.0326	0.0000	OK	5.003	59	0.2	0.299	0.028	0.0224
									Infiltration		0.1			
2160 minute winter	59	780	8.217	0.012	0.3	0.0157	0.0000	OK	5.004	60	0.2	0.041	0.000	0.0359
									Infiltration		0.1			
2160 minute winter	60	1500	8.210	0.025	0.3	0.0087	0.0000	OK	5.005	61	0.3	0.026	0.000	1.2738
									Infiltration		0.1			
2160 minute winter	61	1500	8.210	0.074	0.4	0.0253	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
2160 minute winter	62	840	8.140	0.004	0.1	0.0013	0.0000	OK	5.007	63	0.1	0.040	0.000	1.0853
2160 minute winter	63	1500	7.892	0.056	0.2	0.0192	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	1.3752
									Infiltration		0.1			
2160 minute winter	63_OUT	1500	7.892	0.127	0.2	0.0433	0.0000	OK	Infiltration		0.2			
2160 minute winter	64	1200	6.233	0.048	0.1	0.0076	0.0000	OK	6.000	65	0.1	0.024	0.000	0.4770
2160 minute winter	65	1200	6.233	0.198	0.2	0.0172	0.0000	OK	6.001	66	0.1	0.005	0.000	0.9308
									Infiltration		0.1			
2160 minute winter	66	1200	6.233	0.140	0.2	0.0221	0.0000	OK	6.002	67	0.0	0.001	0.000	0.6095
									Infiltration		0.1			
2160 minute winter	67	1200	6.233	0.157	0.1	0.0243	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
2160 minute winter	68	1080	6.079	0.003	0.1	0.0004	0.0000	OK	6.004	69	0.1	0.009	0.000	1.4533
2160 minute winter	69	1200	5.920	0.155	0.2	0.0246	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
2160 minute winter	70	1080	5.758	0.003	0.1	0.0005	0.0000	OK	6.006	71	0.1	0.014	0.000	0.1936
2160 minute winter	71	1200	5.756	0.071	0.2	0.0114	0.0000	OK	6.007	72	0.1	0.006	0.000	0.9971
									Infiltration		0.1			
2160 minute winter	72	1200	5.756	0.071	0.2	0.0114	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
2160 minute winter	73	1200	5.847	0.142	0.1	0.0227	0.0000	OK	6.009	74	0.1	0.013	0.000	0.5443
2160 minute winter	74	1200	5.847	0.142	0.2	0.0227	0.0000	OK	6.010	75	0.1	0.019	0.000	0.6163
									Infiltration		0.1			
2160 minute winter	75	1200	5.847	0.142	0.2	0.0227	0.0000	OK	6.011	76	0.1	0.006	0.000	0.7820
									Infiltration		0.1			
2160 minute winter	76	1200	5.847	0.212	0.2	0.0322	0.0000	OK	6.012	76_OUT	0.1	0.001	0.000	0.9138
									Infiltration		0.1			
2160 minute winter	76_OUT	1200	5.847	0.212	0.2	0.0338	0.0000	OK	Infiltration		0.1			

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Results for 2 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 94.88%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	1	1500	9.546	0.246	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	-0.001	-0.002	0.4853	
2880 minute summer	2	1440	9.546	0.296	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.055	-0.020	1.1264	
2880 minute summer	3	1500	9.546	0.396	1.2	0.0000	0.0000	FLOOD RISK	1.002	4	-1.2	-0.054	-0.057	0.4986	
2880 minute summer	4	1500	9.546	0.446	1.8	0.0000	0.0000	FLOOD RISK	1.003	5	-1.8	-0.058	-0.077	0.8441	
2880 minute summer	5	1440	9.546	0.546	2.1	0.0000	0.0000	FLOOD RISK	1.004	6	-2.1	-0.056	-0.055	0.1621	
2880 minute summer	6	1440	9.546	0.646	3.5	5.3270	0.0000	FLOOD RISK	1.005	7	2.8	0.438	0.058	0.7796	
2880 minute summer	7	1440	9.546	0.796	4.4	3.2443	0.0000	FLOOD RISK	1.006	8	4.4	0.401	0.053	2.4923	
2880 minute summer	8	1440	9.546	0.996	7.6	6.8341	0.0000	FLOOD RISK	1.007	9	7.6	0.387	0.070	5.9230	
2880 minute summer	9	1440	9.545	1.195	12.9	11.6212	0.0000	FLOOD RISK	1.008	10	12.9	0.361	0.054	3.1360	
2880 minute summer	10	1440	9.545	1.245	13.9	2.2073	0.0000	FLOOD RISK	1.009	11	13.8	0.281	0.094	47.8613	
2880 minute summer	11	1440	9.542	1.542	13.9	0.0000	0.0000	FLOOD RISK	1.010	12	13.8	0.158	0.048	53.3278	
2880 minute summer	12	660	7.750	1.000	13.9	0.0000	0.0000	FLOOD RISK	1.011	13	13.9	0.116	0.071	0.2495	
2880 minute summer	13	1500	9.537	0.037	13.9	0.0000	0.0000	OK	1.012	13_OUT	13.9	2.141	0.011	0.0389	
2880 minute summer	13_OUT	3050	7.663	0.130	13.9	0.0000	0.0000	OK	Flow through pond	49	37.9	0.008	0.000	1259.0020	
2880 minute summer	14	1440	9.542	0.242	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.2	0.005	0.006	0.8138	
2880 minute summer	15	1440	9.542	0.456	2.1	3.6147	0.0000	FLOOD RISK	2.001	16	2.1	0.342	0.043	0.9254	
2880 minute summer	16	1440	9.542	0.551	2.1	0.0000	0.0000	FLOOD RISK	2.002	17	2.1	0.357	0.043	0.6320	
2880 minute summer	17	1440	9.542	0.683	3.2	2.1185	0.0000	FLOOD RISK	2.003	18	3.2	0.386	0.041	1.8750	
2880 minute summer	18	1440	9.542	0.881	5.8	5.4136	0.0000	FLOOD RISK	2.004	19	5.8	0.373	0.046	5.4890	
2880 minute summer	19	1500	9.541	1.085	10.3	9.7866	0.0000	FLOOD RISK	2.005	20	10.3	0.332	0.052	4.0628	
2880 minute summer	20	1440	9.541	1.130	10.3	0.0000	0.0000	FLOOD RISK	2.006	21	10.3	0.459	0.052	3.4979	
2880 minute summer	21	1440	9.541	1.199	10.3	0.0000	0.0000	FLOOD RISK	2.007	22	10.3	0.452	0.017	3.7404	
2880 minute summer	22	1440	9.541	1.541	13.2	6.6938	0.0000	FLOOD RISK	2.008	23	13.2	0.103	0.046	53.3017	
2880 minute summer	23	660	7.750	1.000	13.2	0.0000	0.0000	FLOOD RISK	2.009	24	13.2	0.111	0.067	0.2494	
2880 minute summer	24	1500	9.536	0.036	13.2	0.0000	0.0000	OK	2.010	24_OUT	13.2	2.108	0.011	0.0375	
2880 minute summer	24_OUT	2880	7.662	0.129	13.2	0.0000	0.0000	OK	Flow through pond	49	37.9	0.006	0.000	1259.0020	
2880 minute summer	25	1380	8.807	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.282	0.011	0.0253	
2880 minute summer	26	1380	8.449	0.014	0.4	0.0183	0.0000	OK	3.001	27	0.3	0.351	0.018	0.0327	
									Infiltration		0.1				
2880 minute summer	27	1380	8.129	0.014	0.5	0.0290	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0273	
									Infiltration		0.1				
2880 minute summer	28	1380	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.503	0.018	0.0328	
									Infiltration		0.1				
2880 minute summer	29	1380	7.060	0.015	0.7	0.0182	0.0000	OK	3.004	30	0.6	0.626	0.021	0.0064	
									Infiltration		0.1				
2880 minute summer	30	1380	6.835	0.010	0.6	0.0012	0.0000	OK	3.005	31	0.5	0.113	0.000	0.1012	
2880 minute summer	31	1380	6.706	0.011	0.6	0.0013	0.0000	OK	3.006	32	0.5	0.052	0.000	0.1504	
									Infiltration		0.1				
2880 minute summer	32	1500	6.675	0.030	0.5	0.0037	0.0000	OK	3.007	33	0.0	0.000	0.000	0.1128	

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									Infiltration		0.1				
									Infiltration		0.4				
2880 minute summer	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002	
2880 minute summer	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
2880 minute summer	35	60	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
2880 minute summer	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.0				
2880 minute summer	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003	
2880 minute summer	38	60	6.255	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
									Infiltration		0.0				
2880 minute summer	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
2880 minute summer	40	60	6.695	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
2880 minute summer	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
2880 minute summer	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
2880 minute summer	43	60	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
2880 minute summer	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002	
2880 minute summer	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
2880 minute summer	46	60	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
2880 minute summer	47	60	6.965	0.000	0.0	0.0000	0.0000	OK	3.022	48	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
2880 minute summer	48	60	6.795	0.000	0.0	0.0000	0.0000	OK	3.023	50	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
2880 minute summer	49	3120	7.662	-0.338	39.5	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
2880 minute summer	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
2880 minute summer	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
2880 minute summer	52	60	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
2880 minute summer	53	60	6.785	0.000	0.0	0.0000	0.0000	OK	3.024	54	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
2880 minute summer	54	60	6.625	0.000	0.0	0.0000	0.0000	OK	3.025	54_OUT	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
2880 minute summer	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0				
2880 minute summer	55	1260	8.458	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111	
2880 minute summer	56	1260	8.428	0.012	0.2	0.0148	0.0000	OK	5.001	57	0.2	0.162	0.012	0.0180	

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								Infiltration		0.0					
2880 minute summer	57	1260	8.327	0.017	0.3	0.0136	0.0000	OK	5.002	58	0.2	0.177	0.027	0.0378	
								Infiltration		0.0					
2880 minute summer	58	1360	8.285	0.020	0.3	0.0326	0.0000	OK	5.003	59	0.2	0.209	0.028	0.0224	
								Infiltration		0.1					
2880 minute summer	59	1260	8.217	0.012	0.3	0.0157	0.0000	OK	5.004	60	0.2	0.041	0.000	0.3348	
								Infiltration		0.1					
2880 minute summer	60	1740	8.210	0.025	0.3	0.0086	0.0000	OK	5.005	61	0.3	0.026	0.000	1.2704	
								Infiltration		0.1					
2880 minute summer	61	1740	8.210	0.074	0.4	0.0252	0.0000	OK	5.006	62	0.3	0.000	0.000	0.0000	
								Infiltration		0.3					
2880 minute summer	62	1320	8.140	0.004	0.1	0.0013	0.0000	OK	5.007	63	0.1	0.040	0.000	1.6092	
2880 minute summer	63	1740	7.889	0.053	0.2	0.0179	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	1.3198	
								Infiltration		0.1					
2880 minute summer	63_OUT	1740	7.889	0.124	0.2	0.0420	0.0000	OK	Infiltration		0.2				
2880 minute summer	64	1500	6.188	0.003	0.1	0.0006	0.0000	OK	6.000	65	0.1	0.024	0.000	0.1798	
2880 minute summer	65	1500	6.184	0.059	0.2	0.0094	0.0000	OK	6.001	66	0.1	0.005	0.000	0.5189	
								Infiltration		0.1					
2880 minute summer	66	1500	6.184	0.091	0.2	0.0143	0.0000	OK	6.002	67	0.0	0.002	0.000	0.3771	
								Infiltration		0.1					
2880 minute summer	67	1500	6.184	0.108	0.1	0.0187	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000	
								Infiltration		0.1					
2880 minute summer	68	1500	6.079	0.003	0.1	0.0004	0.0000	OK	6.004	69	0.1	0.009	0.000	0.8705	
2880 minute summer	69	1560	5.867	0.102	0.2	0.0163	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000	
								Infiltration		0.1					
2880 minute summer	70	1500	5.758	0.003	0.1	0.0005	0.0000	OK	6.006	71	0.1	0.014	0.000	0.1311	
2880 minute summer	71	1500	5.734	0.049	0.2	0.0078	0.0000	OK	6.007	72	0.1	0.006	0.000	0.6518	
								Infiltration		0.0					
2880 minute summer	72	1500	5.734	0.049	0.2	0.0078	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000	
								Infiltration		0.2					
2880 minute summer	73	1560	5.776	0.071	0.1	0.0114	0.0000	OK	6.009	74	0.1	0.013	0.000	0.2432	
2880 minute summer	74	1560	5.776	0.071	0.2	0.0114	0.0000	OK	6.010	75	0.1	0.018	0.000	0.2754	
								Infiltration		0.0					
2880 minute summer	75	1560	5.776	0.071	0.2	0.0114	0.0000	OK	6.011	76	0.1	0.006	0.000	0.4244	
								Infiltration		0.1					
2880 minute summer	76	1560	5.776	0.141	0.2	0.0215	0.0000	OK	6.012	76_OUT	0.1	0.001	0.000	0.5489	
								Infiltration		0.1					
2880 minute summer	76_OUT	1560	5.776	0.141	0.2	0.0228	0.0000	OK	Infiltration		0.1				

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Results for 2 year 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 86.44%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	1	1440	9.538	0.238	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	-0.001	-0.002	0.4653	
2880 minute winter	2	1440	9.538	0.238	0.0	0.0000	0.0000	FLOOD RISK	1.001	3	0.0	0.001	0.002	1.1264	
2880 minute winter	3	1440	9.538	0.338	0.8	0.0000	0.0000	FLOOD RISK	1.002	4	-0.8	-0.056	-0.039	0.4986	
2880 minute winter	4	1500	9.538	0.438	1.5	0.0000	0.0000	FLOOD RISK	1.003	5	-1.5	-0.054	-0.068	0.8441	
2880 minute winter	5	1500	9.538	0.538	1.8	0.0000	0.0000	FLOOD RISK	1.004	6	-1.8	-0.058	-0.049	0.1621	
2880 minute winter	6	1440	9.538	0.638	3.2	5.2591	0.0000	FLOOD RISK	1.005	7	2.1	0.428	0.044	0.7796	
2880 minute winter	7	1440	9.538	0.788	3.3	3.2110	0.0000	FLOOD RISK	1.006	8	3.3	0.409	0.048	2.4823	
2880 minute winter	8	1500	9.538	0.988	5.7	6.7788	0.0000	FLOOD RISK	1.007	9	5.7	0.397	0.053	5.9230	
2880 minute winter	9	1440	9.537	1.187	9.7	11.5457	0.0000	FLOOD RISK	1.008	10	9.7	0.370	0.041	3.1360	
2880 minute winter	10	1440	9.537	1.237	10.5	2.1937	0.0000	FLOOD RISK	1.009	11	10.5	0.291	0.071	47.8613	
2880 minute winter	11	1440	9.536	1.536	10.5	0.0000	0.0000	FLOOD RISK	1.010	12	10.5	0.240	0.038	53.3278	
2880 minute winter	12	600	7.750	1.000	10.5	0.0000	0.0000	FLOOD RISK	1.011	13	10.5	0.089	0.053	0.2481	
2880 minute winter	13	1500	9.533	0.033	10.5	0.0000	0.0000	OK	1.012	13_OUT	10.5	1.965	0.008	0.0320	
2880 minute winter	13_OUT	2880	7.685	0.152	10.5	0.0000	0.0000	OK	Flow through pond	49	46.0	0.007	0.000	1486.2451	
2880 minute winter	14	1500	9.535	0.235	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.1	0.002	0.002	0.8136	
2880 minute winter	15	1440	9.535	0.449	2.1	3.5615	0.0000	FLOOD RISK	2.001	16	1.8	0.360	0.033	0.9254	
2880 minute winter	16	1440	9.535	0.544	1.6	0.0000	0.0000	FLOOD RISK	2.002	17	1.8	0.369	0.032	0.6320	
2880 minute winter	17	1440	9.535	0.676	2.4	2.0979	0.0000	FLOOD RISK	2.003	18	2.4	0.386	0.031	1.8750	
2880 minute winter	18	1440	9.535	0.854	4.4	5.3726	0.0000	FLOOD RISK	2.004	19	4.4	0.387	0.035	5.4890	
2880 minute winter	19	1440	9.535	1.079	7.8	9.7291	0.0000	FLOOD RISK	2.005	20	7.8	0.358	0.040	4.0628	
2880 minute winter	20	1500	9.535	1.124	7.8	0.0000	0.0000	FLOOD RISK	2.006	21	7.8	0.496	0.039	3.4979	
2880 minute winter	21	1500	9.535	1.183	7.8	0.0000	0.0000	FLOOD RISK	2.007	22	7.8	0.462	0.013	3.7404	
2880 minute winter	22	1500	9.535	1.535	10.0	6.5668	0.0000	FLOOD RISK	2.008	23	10.0	0.145	0.035	53.3017	
2880 minute winter	23	600	7.750	1.000	10.0	0.0000	0.0000	FLOOD RISK	2.009	24	10.0	0.085	0.051	0.2481	
2880 minute winter	24	1500	9.532	0.032	10.0	0.0000	0.0000	OK	2.010	24_OUT	10.0	1.936	0.008	0.0309	
2880 minute winter	24_OUT	3120	7.685	0.152	10.0	0.0000	0.0000	OK	Flow through pond	49	46.0	0.007	0.000	1486.2451	
2880 minute winter	25	1320	8.807	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.282	0.011	0.0253	
2880 minute winter	26	1320	8.449	0.014	0.4	0.0183	0.0000	OK	3.001	27	0.3	0.351	0.018	0.0327	
									Infiltration		0.1				
2880 minute winter	27	1320	8.129	0.014	0.5	0.0200	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0273	
									Infiltration		0.1				
2880 minute winter	28	1320	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.503	0.019	0.0328	
									Infiltration		0.1				
2880 minute winter	29	1320	7.080	0.015	0.7	0.0162	0.0000	OK	3.004	30	0.6	0.626	0.021	0.0064	
									Infiltration		0.1				
2880 minute winter	30	1320	6.835	0.010	0.5	0.0012	0.0000	OK	3.005	31	0.5	0.113	0.000	0.1012	
2880 minute winter	31	1320	6.706	0.011	0.6	0.0013	0.0000	OK	3.006	32	0.5	0.052	0.000	0.1504	
									Infiltration		0.1				

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2880 minute winter	32	1440	6.675	0.030	0.5	0.0037	0.0000	OK	3.007	33	0.0	0.000	0.000	0.1126
									Infiltration		0.1			
									Infiltration		0.4			
2880 minute winter	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002
2880 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2880 minute winter	35	60	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2880 minute winter	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
2880 minute winter	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003
2880 minute winter	38	60	6.265	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
									Infiltration		0.0			
2880 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2880 minute winter	40	60	6.895	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2880 minute winter	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2880 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2880 minute winter	43	60	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2880 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002
2880 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2880 minute winter	46	60	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2880 minute winter	47	60	6.965	0.000	0.0	0.0000	0.0000	OK	3.022	48	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2880 minute winter	48	60	6.795	0.000	0.0	0.0000	0.0000	OK	3.023	53	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2880 minute winter	49	3080	7.684	-0.316	48.1	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
2880 minute winter	50	50	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
2880 minute winter	51	50	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
2880 minute winter	52	80	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
2880 minute winter	53	80	6.785	0.000	0.0	0.0000	0.0000	OK	3.024	54	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2880 minute winter	54	50	6.525	0.000	0.0	0.0000	0.0000	OK	3.025	54_OUT	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2880 minute winter	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

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2880 minute winter	55	1140	8.459	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111
2880 minute winter	56	1140	8.428	0.012	0.2	0.0149	0.0000	OK	5.001	57	0.2	0.182	0.012	0.0180
									Infiltration		0.0			
2880 minute winter	57	1140	8.327	0.017	0.3	0.0130	0.0000	OK	5.002	58	0.2	0.177	0.027	0.0378
									Infiltration		0.0			
2880 minute winter	58	1250	8.265	0.020	0.3	0.0326	0.0000	OK	5.003	59	0.2	0.299	0.028	0.0224
									Infiltration		0.1			
2880 minute winter	59	1140	8.217	0.012	0.3	0.0157	0.0000	OK	5.004	60	0.2	0.041	0.000	0.0359
									Infiltration		0.1			
2880 minute winter	60	1860	8.210	0.025	0.3	0.0087	0.0000	OK	5.005	61	0.3	0.026	0.000	1.2738
									Infiltration		0.1			
2880 minute winter	61	1880	8.210	0.074	0.4	0.0253	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
2880 minute winter	62	1200	8.140	0.004	0.1	0.0013	0.0000	OK	5.007	63	0.1	0.040	0.000	1.0853
2880 minute winter	63	1850	7.892	0.056	0.2	0.0192	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	1.3752
									Infiltration		0.1			
2880 minute winter	63_OUT	1880	7.892	0.127	0.2	0.0433	0.0000	OK	Infiltration		0.2			
2880 minute winter	64	60	6.185	0.000	0.0	0.0000	0.0000	OK	5.000	65	0.0	0.000	0.000	0.0002
2880 minute winter	65	60	6.125	0.000	0.0	0.0000	0.0000	OK	5.001	66	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
2880 minute winter	66	60	6.093	0.000	0.0	0.0000	0.0000	OK	5.002	67	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
2880 minute winter	67	60	6.076	0.000	0.0	0.0000	0.0000	OK	5.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
2880 minute winter	68	60	6.078	0.000	0.0	0.0000	0.0000	OK	5.004	69	0.0	0.000	0.000	0.0004
2880 minute winter	69	60	5.765	0.000	0.0	0.0000	0.0000	OK	5.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
2880 minute winter	70	60	5.755	0.000	0.0	0.0000	0.0000	OK	5.006	71	0.0	0.000	0.000	0.0001
2880 minute winter	71	60	5.685	0.000	0.0	0.0000	0.0000	OK	5.007	72	0.0	0.000	0.000	0.0004
									Infiltration		0.0			
2880 minute winter	72	60	5.685	0.000	0.0	0.0000	0.0000	OK	5.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
2880 minute winter	73	60	5.705	0.000	0.0	0.0000	0.0000	OK	5.009	74	0.0	0.000	0.000	0.0001
2880 minute winter	74	60	5.705	0.000	0.0	0.0000	0.0000	OK	5.010	75	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
2880 minute winter	75	60	5.705	0.000	0.0	0.0000	0.0000	OK	5.011	76	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
2880 minute winter	76	60	5.635	0.000	0.0	0.0000	0.0000	OK	5.012	76_OUT	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
2880 minute winter	76_OUT	60	5.635	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

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Results for 2 year 4320 minute summer. 4560 minute analysis at 60 minute timestep. Mass balance: 95.53%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	1	2220	9.540	0.240	0.2	0.0000	0.0000	FLOOD RISK	1.000	2	-0.2	-0.038	-0.011	0.4853	
4320 minute summer	2	2220	9.540	0.290	0.9	0.0000	0.0000	FLOOD RISK	1.001	3	-0.9	-0.044	-0.046	1.1264	
4320 minute summer	3	2160	9.539	0.389	1.4	0.0000	0.0000	FLOOD RISK	1.002	4	-1.4	-0.046	-0.068	0.4986	
4320 minute summer	4	2160	9.538	0.439	1.6	0.0000	0.0000	FLOOD RISK	1.003	5	-1.6	-0.050	-0.068	0.8441	
4320 minute summer	5	2160	9.538	0.539	1.7	0.0000	0.0000	FLOOD RISK	1.004	6	-1.7	-0.053	-0.045	0.1621	
4320 minute summer	6	2160	9.539	0.638	2.5	5.2895	0.0000	FLOOD RISK	1.005	7	2.2	0.377	0.045	0.7796	
4320 minute summer	7	2160	9.539	0.788	3.5	3.2150	0.0000	FLOOD RISK	1.006	8	3.5	0.364	0.050	2.4923	
4320 minute summer	8	2160	9.539	0.989	5.0	6.7870	0.0000	FLOOD RISK	1.007	9	5.0	0.342	0.055	5.9230	
4320 minute summer	9	2220	9.538	1.188	10.2	11.5569	0.0000	FLOOD RISK	1.008	10	10.2	0.369	0.043	3.1360	
4320 minute summer	10	2220	9.538	1.238	11.0	2.1957	0.0000	FLOOD RISK	1.009	11	11.0	0.254	0.074	47.8613	
4320 minute summer	11	2220	9.537	1.537	11.0	0.0000	0.0000	FLOOD RISK	1.010	12	11.0	0.185	0.038	53.3278	
4320 minute summer	12	840	7.750	1.000	11.0	0.0000	0.0000	FLOOD RISK	1.011	13	11.0	0.093	0.056	0.2483	
4320 minute summer	13	2220	9.533	0.033	11.0	0.0000	0.0000	OK	1.012	13_OUT	11.0	1.994	0.009	0.0330	
4320 minute summer	13_OUT	4360	7.692	0.158	11.0	0.0000	0.0000	OK	Flow through pond	49	38.2	0.005	0.000	1540.0072	
4320 minute summer	14	2160	9.537	0.237	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.005	-0.005	0.8136	
4320 minute summer	15	2220	9.537	0.451	1.7	3.5721	0.0000	FLOOD RISK	2.001	16	1.7	0.303	0.035	0.9254	
4320 minute summer	16	2220	9.536	0.545	1.7	0.0000	0.0000	FLOOD RISK	2.002	17	1.7	0.320	0.034	0.6320	
4320 minute summer	17	2160	9.536	0.677	2.6	2.1020	0.0000	FLOOD RISK	2.003	18	2.6	0.305	0.033	1.8750	
4320 minute summer	18	2160	9.536	0.855	4.7	5.3808	0.0000	FLOOD RISK	2.004	19	4.7	0.321	0.037	5.4890	
4320 minute summer	19	2160	9.536	1.080	8.3	9.7407	0.0000	FLOOD RISK	2.005	20	8.3	0.295	0.042	4.0628	
4320 minute summer	20	2220	9.536	1.125	8.3	0.0000	0.0000	FLOOD RISK	2.006	21	8.3	0.409	0.042	3.4979	
4320 minute summer	21	2220	9.536	1.164	8.3	0.0000	0.0000	FLOOD RISK	2.007	22	8.3	0.396	0.014	3.7404	
4320 minute summer	22	2220	9.536	1.536	10.6	6.6720	0.0000	FLOOD RISK	2.008	23	10.6	0.106	0.037	53.3017	
4320 minute summer	23	840	7.750	1.000	10.6	0.0000	0.0000	FLOOD RISK	2.009	24	10.6	0.090	0.054	0.2483	
4320 minute summer	24	2220	9.533	0.033	10.6	0.0000	0.0000	OK	2.010	24_OUT	10.6	1.972	0.009	0.0322	
4320 minute summer	24_OUT	4360	7.692	0.158	10.6	0.0000	0.0000	OK	Flow through pond	49	38.2	0.005	0.000	1540.0072	
4320 minute summer	25	2160	8.867	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.282	0.011	0.0253	
4320 minute summer	26	2160	8.449	0.014	0.4	0.0183	0.0000	OK	3.001	27	0.3	0.351	0.018	0.0327	
									Infiltration		0.1				
4320 minute summer	27	2160	8.129	0.014	0.5	0.0290	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0273	
									Infiltration		0.1				
4320 minute summer	28	2160	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.503	0.018	0.0328	
									Infiltration		0.1				
4320 minute summer	29	2160	7.060	0.015	0.7	0.0182	0.0000	OK	3.004	30	0.6	0.626	0.021	0.0064	
									Infiltration		0.1				
4320 minute summer	30	2160	6.835	0.010	0.6	0.0012	0.0000	OK	3.005	31	0.5	0.113	0.000	0.1012	
4320 minute summer	31	2160	6.706	0.011	0.6	0.0013	0.0000	OK	3.006	32	0.5	0.052	0.000	0.1504	
									Infiltration		0.1				
4320 minute summer	32	2280	6.675	0.030	0.5	0.0037	0.0000	OK	3.007	33	0.0	0.000	0.000	0.1128	

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									Infiltration		0.1				
									Infiltration		0.4				
4320 minute summer	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002	
4320 minute summer	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
4320 minute summer	35	60	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
4320 minute summer	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.0				
4320 minute summer	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003	
4320 minute summer	38	60	6.255	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
									Infiltration		0.0				
4320 minute summer	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
4320 minute summer	40	60	6.695	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
4320 minute summer	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
4320 minute summer	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
4320 minute summer	43	60	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
4320 minute summer	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002	
4320 minute summer	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
4320 minute summer	46	60	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
4320 minute summer	47	60	6.965	0.000	0.0	0.0000	0.0000	OK	3.022	48	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
4320 minute summer	48	60	6.795	0.000	0.0	0.0000	0.0000	OK	3.023	50	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
4320 minute summer	49	4560	7.690	-0.310	40.3	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
4320 minute summer	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
4320 minute summer	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
4320 minute summer	52	60	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
4320 minute summer	53	60	6.785	0.000	0.0	0.0000	0.0000	OK	3.024	54	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
4320 minute summer	54	60	6.625	0.000	0.0	0.0000	0.0000	OK	3.025	54_OUT	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
4320 minute summer	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0				
4320 minute summer	55	1920	8.458	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111	
4320 minute summer	56	1920	8.428	0.012	0.2	0.0148	0.0000	OK	5.001	57	0.2	0.162	0.012	0.0180	

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								Infiltration		0.0				
4320 minute summer	57	1920	8.327	0.017	0.3	0.0136	0.0000 OK	5.002	58	0.2	0.177	0.027	0.0378
								Infiltration		0.0				
4320 minute summer	58	2040	8.285	0.020	0.3	0.0326	0.0000 OK	5.003	59	0.2	0.209	0.028	0.0224
								Infiltration		0.1				
4320 minute summer	59	1920	8.217	0.012	0.3	0.0157	0.0000 OK	5.004	60	0.2	0.041	0.000	0.3357
								Infiltration		0.1				
4320 minute summer	60	2520	8.210	0.025	0.3	0.0087	0.0000 OK	5.005	61	0.3	0.026	0.000	1.2730
								Infiltration		0.1				
4320 minute summer	61	2520	8.210	0.074	0.4	0.0253	0.0000 OK	5.006	62	0.3	0.000	0.000	0.0000
								Infiltration		0.3				
4320 minute summer	62	1980	8.140	0.004	0.1	0.0013	0.0000 OK	5.007	63	0.1	0.040	0.000	1.6585
4320 minute summer	63	2520	7.891	0.055	0.2	0.0167	0.0000 OK	5.008	63_OUT	0.1	0.014	0.000	1.3525
								Infiltration		0.1				
4320 minute summer	63_OUT	2520	7.891	0.126	0.2	0.0429	0.0000 OK	Infiltration		0.2				
4320 minute summer	64	60	6.185	0.000	0.0	0.0000	0.0000 OK	6.000	65	0.0	0.000	0.000	0.0002
4320 minute summer	65	60	6.125	0.000	0.0	0.0000	0.0000 OK	6.001	66	0.0	0.000	0.000	0.0002
								Infiltration		0.0				
4320 minute summer	66	60	6.093	0.000	0.0	0.0000	0.0000 OK	6.002	67	0.0	0.000	0.000	0.0001
								Infiltration		0.0				
4320 minute summer	67	60	6.076	0.000	0.0	0.0000	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.0				
4320 minute summer	68	60	6.076	0.000	0.0	0.0000	0.0000 OK	6.004	69	0.0	0.000	0.000	0.0004
4320 minute summer	69	60	5.765	0.000	0.0	0.0000	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.0				
4320 minute summer	70	60	5.755	0.000	0.0	0.0000	0.0000 OK	6.006	71	0.0	0.000	0.000	0.0001
4320 minute summer	71	60	5.685	0.000	0.0	0.0000	0.0000 OK	6.007	72	0.0	0.000	0.000	0.0004
								Infiltration		0.0				
4320 minute summer	72	60	5.665	0.000	0.0	0.0000	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.0				
4320 minute summer	73	60	5.705	0.000	0.0	0.0000	0.0000 OK	6.009	74	0.0	0.000	0.000	0.0001
4320 minute summer	74	60	5.705	0.000	0.0	0.0000	0.0000 OK	6.010	75	0.0	0.000	0.000	0.0001
								Infiltration		0.0				
4320 minute summer	75	60	5.705	0.000	0.0	0.0000	0.0000 OK	6.011	76	0.0	0.000	0.000	0.0001
								Infiltration		0.0				
4320 minute summer	76	60	5.635	0.000	0.0	0.0000	0.0000 OK	6.012	76_OUT	0.0	0.000	0.000	0.0001
								Infiltration		0.0				
4320 minute summer	76_OUT	60	5.635	0.000	0.0	0.0000	0.0000 OK	Infiltration		0.0				

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Results for 2 year 4320 minute winter. 4560 minute analysis at 60 minute timestep. Mass balance: 86.83%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	1	2160	9.532	0.232	0.2	0.0000	0.0000	FLOOD RISK	1.000	2	-0.2	-0.037	-0.011	0.4653	
4320 minute winter	2	2160	9.532	0.282	0.9	0.0000	0.0000	FLOOD RISK	1.001	3	-0.9	-0.042	-0.045	1.1264	
4320 minute winter	3	2220	9.532	0.382	1.4	0.0000	0.0000	FLOOD RISK	1.002	4	-1.4	-0.044	-0.065	0.4986	
4320 minute winter	4	2220	9.532	0.432	1.5	0.0000	0.0000	FLOOD RISK	1.003	5	-1.5	-0.047	-0.065	0.8441	
4320 minute winter	5	2220	9.532	0.532	1.6	0.0000	0.0000	FLOOD RISK	1.004	6	-1.6	-0.050	-0.042	0.1621	
4320 minute winter	6	2160	9.532	0.632	2.3	5.2089	0.0000	FLOOD RISK	1.005	7	1.8	0.377	0.033	0.7796	
4320 minute winter	7	2180	9.532	0.782	2.5	3.1870	0.0000	FLOOD RISK	1.006	8	2.5	0.365	0.036	2.4823	
4320 minute winter	8	2220	9.532	0.982	4.4	6.7092	0.0000	FLOOD RISK	1.007	9	4.4	0.361	0.041	5.9230	
4320 minute winter	9	2180	9.532	1.182	7.5	11.4901	0.0000	FLOOD RISK	1.008	10	7.5	0.317	0.032	3.1360	
4320 minute winter	10	2160	9.532	1.232	8.1	2.1836	0.0000	FLOOD RISK	1.009	11	8.1	0.260	0.055	47.8613	
4320 minute winter	11	2160	9.531	1.531	8.1	0.0000	0.0000	FLOOD RISK	1.010	12	8.1	0.189	0.028	53.3278	
4320 minute winter	12	780	7.750	1.000	8.1	0.0000	0.0000	FLOOD RISK	1.011	13	8.1	0.089	0.041	0.2470	
4320 minute winter	13	2220	9.529	0.029	8.1	0.0000	0.0000	OK	1.012	13_OUT	8.1	1.813	0.007	0.0268	
4320 minute winter	13_OUT	4260	7.717	0.184	8.1	0.0000	0.0000	OK	Flow through pond	49	37.5	0.005	0.000	1762.9164	
4320 minute winter	14	2160	9.530	0.230	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.1	0.002	0.002	0.8138	
4320 minute winter	15	2220	9.530	0.444	1.6	3.5191	0.0000	FLOOD RISK	2.001	16	1.2	0.324	0.025	0.9254	
4320 minute winter	16	2220	9.530	0.538	1.2	0.0000	0.0000	FLOOD RISK	2.002	17	1.2	0.322	0.024	0.6320	
4320 minute winter	17	2180	9.530	0.671	1.8	2.0816	0.0000	FLOOD RISK	2.003	18	1.8	0.325	0.023	1.8750	
4320 minute winter	18	2280	9.530	0.849	3.3	5.3397	0.0000	FLOOD RISK	2.004	19	3.3	0.332	0.026	5.4890	
4320 minute winter	19	2160	9.530	1.074	5.9	9.8826	0.0000	FLOOD RISK	2.005	20	5.9	0.317	0.030	4.0628	
4320 minute winter	20	2160	9.530	1.119	5.9	0.0000	0.0000	FLOOD RISK	2.006	21	5.9	0.425	0.030	3.4979	
4320 minute winter	21	2160	9.530	1.158	5.9	0.0000	0.0000	FLOOD RISK	2.007	22	5.9	0.416	0.010	3.7464	
4320 minute winter	22	2180	9.530	1.530	7.8	6.5445	0.0000	FLOOD RISK	2.008	23	7.8	0.157	0.025	53.3017	
4320 minute winter	23	780	7.750	1.000	7.8	0.0000	0.0000	FLOOD RISK	2.009	24	7.8	0.085	0.039	0.2470	
4320 minute winter	24	2280	9.528	0.028	7.8	0.0000	0.0000	OK	2.010	24_OUT	7.8	1.778	0.006	0.0256	
4320 minute winter	24_OUT	4260	7.717	0.184	7.8	0.0000	0.0000	OK	Flow through pond	49	37.5	0.005	0.000	1762.9164	
4320 minute winter	25	1380	8.804	0.008	0.1	0.0052	0.0000	OK	3.000	26	0.1	0.240	0.008	0.0148	
4320 minute winter	26	1380	8.445	0.010	0.2	0.0105	0.0000	OK	3.001	27	0.1	0.278	0.008	0.0177	
									Infiltration		0.1				
4320 minute winter	27	1380	8.124	0.009	0.2	0.0103	0.0000	OK	3.002	28	0.1	0.311	0.007	0.0141	
									Infiltration		0.1				
4320 minute winter	28	1380	7.704	0.009	0.2	0.0092	0.0000	OK	3.003	29	0.2	0.374	0.007	0.0168	
									Infiltration		0.1				
4320 minute winter	29	1380	7.075	0.010	0.3	0.0090	0.0000	OK	3.004	30	0.2	0.473	0.008	0.0033	
									Infiltration		0.0				
4320 minute winter	30	1380	6.830	0.005	0.2	0.0007	0.0000	OK	3.005	31	0.2	0.050	0.000	0.0561	
4320 minute winter	31	1380	6.701	0.006	0.2	0.0007	0.0000	OK	3.006	32	0.2	0.050	0.000	0.0508	
									Infiltration		0.0				

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4320 minute winter	32	1500	6.858	0.011	0.2	0.0014	0.0000	OK	3.007	33	0.0	0.000	0.000	0.0402
									Infiltration		0.1			
									Infiltration		0.1			
4320 minute winter	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002
4320 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	35	80	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
4320 minute winter	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003
4320 minute winter	38	80	6.265	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
									Infiltration		0.0			
4320 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	40	80	6.895	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	43	80	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002
4320 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	46	80	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	47	60	6.965	0.000	0.0	0.0000	0.0000	OK	3.022	48	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	48	60	6.795	0.000	0.0	0.0000	0.0000	OK	3.023	53	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	49	4380	7.715	-0.235	46.3	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
4320 minute winter	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
4320 minute winter	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
4320 minute winter	52	80	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
4320 minute winter	53	80	6.785	0.000	0.0	0.0000	0.0000	OK	3.024	54	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	54	60	6.525	0.000	0.0	0.0000	0.0000	OK	3.025	54_OUT	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

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4320 minute winter	55	1800	8.459	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111
4320 minute winter	56	1800	8.428	0.012	0.2	0.0149	0.0000	OK	5.001	57	0.2	0.182	0.012	0.0180
									Infiltration		0.0			
4320 minute winter	57	1800	8.327	0.017	0.3	0.0130	0.0000	OK	5.002	58	0.2	0.177	0.027	0.0378
									Infiltration		0.0			
4320 minute winter	58	1920	8.265	0.020	0.3	0.0326	0.0000	OK	5.003	59	0.2	0.299	0.028	0.0224
									Infiltration		0.1			
4320 minute winter	59	1800	8.217	0.012	0.3	0.0157	0.0000	OK	5.004	60	0.2	0.041	0.000	0.0360
									Infiltration		0.1			
4320 minute winter	60	2640	8.210	0.025	0.3	0.0087	0.0000	OK	5.005	61	0.3	0.026	0.000	1.2741
									Infiltration		0.1			
4320 minute winter	61	2640	8.210	0.074	0.4	0.0253	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
4320 minute winter	62	1800	8.140	0.004	0.1	0.0013	0.0000	OK	5.007	63	0.1	0.040	0.000	1.1000
4320 minute winter	63	2640	7.893	0.057	0.2	0.0195	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	1.3678
									Infiltration		0.1			
4320 minute winter	63_OUT	2640	7.893	0.128	0.2	0.0438	0.0000	OK	Infiltration		0.2			
4320 minute winter	64	60	6.185	0.000	0.0	0.0000	0.0000	OK	6.000	65	0.0	0.000	0.000	0.0002
4320 minute winter	65	60	6.125	0.000	0.0	0.0000	0.0000	OK	6.001	66	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	66	60	6.093	0.000	0.0	0.0000	0.0000	OK	6.002	67	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
4320 minute winter	67	60	6.076	0.000	0.0	0.0000	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
4320 minute winter	68	60	6.078	0.000	0.0	0.0000	0.0000	OK	6.004	69	0.0	0.000	0.000	0.0004
4320 minute winter	69	60	5.765	0.000	0.0	0.0000	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
4320 minute winter	70	60	5.755	0.000	0.0	0.0000	0.0000	OK	6.006	71	0.0	0.000	0.000	0.0001
4320 minute winter	71	60	5.685	0.000	0.0	0.0000	0.0000	OK	6.007	72	0.0	0.000	0.000	0.0004
									Infiltration		0.0			
4320 minute winter	72	60	5.685	0.000	0.0	0.0000	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
4320 minute winter	73	60	5.705	0.000	0.0	0.0000	0.0000	OK	6.009	74	0.0	0.000	0.000	0.0001
4320 minute winter	74	60	5.705	0.000	0.0	0.0000	0.0000	OK	6.010	75	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
4320 minute winter	75	60	5.705	0.000	0.0	0.0000	0.0000	OK	6.011	76	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
4320 minute winter	76	60	5.835	0.000	0.0	0.0000	0.0000	OK	6.012	76_OUT	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
4320 minute winter	76_OUT	60	5.835	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

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Results for 2 year 5760 minute summer. 5000 minute analysis at 60 minute timestep. Mass balance: 98.82%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	1	2880	9.536	0.236	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	-0.001	-0.002	0.4853	
5760 minute summer	2	2880	9.535	0.285	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.027	-0.019	1.1264	
5760 minute summer	3	2940	9.536	0.386	0.8	0.0000	0.0000	FLOOD RISK	1.002	4	-0.8	-0.029	-0.038	0.4986	
5760 minute summer	4	2940	9.536	0.436	1.0	0.0000	0.0000	FLOOD RISK	1.003	5	-1.0	-0.032	-0.043	0.8441	
5760 minute summer	5	2940	9.535	0.535	1.1	0.0000	0.0000	FLOOD RISK	1.004	6	-1.1	-0.034	-0.029	0.1621	
5760 minute summer	6	2880	9.535	0.635	1.9	5.2385	0.0000	FLOOD RISK	1.005	7	1.9	0.354	0.039	0.7796	
5760 minute summer	7	2880	9.535	0.785	3.0	3.2010	0.0000	FLOOD RISK	1.006	8	3.0	0.335	0.043	2.4923	
5760 minute summer	8	2940	9.535	0.985	5.2	6.7624	0.0000	FLOOD RISK	1.007	9	5.2	0.307	0.048	5.9230	
5760 minute summer	9	2880	9.535	1.185	8.8	11.5224	0.0000	FLOOD RISK	1.008	10	8.8	0.280	0.037	3.1360	
5760 minute summer	10	2880	9.535	1.235	9.5	2.1894	0.0000	FLOOD RISK	1.009	11	9.5	0.226	0.064	47.8613	
5760 minute summer	11	2880	9.534	1.534	9.5	0.0000	0.0000	FLOOD RISK	1.010	12	9.5	0.173	0.033	53.3278	
5760 minute summer	12	960	7.750	1.000	9.5	0.0000	0.0000	FLOOD RISK	1.011	13	9.5	0.081	0.048	0.2476	
5760 minute summer	13	2940	9.531	0.031	9.5	0.0000	0.0000	OK	1.012	13_OUT	9.5	1.904	0.008	0.0239	
5760 minute summer	13_OUT	5820	7.718	0.186	9.5	0.0000	0.0000	OK	Flow through pond	49	19.2	0.003	0.000	1779.5170	
5760 minute summer	14	2880	9.533	0.233	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.013	-0.006	0.8138	
5760 minute summer	15	2880	9.533	0.447	1.4	3.5437	0.0000	FLOOD RISK	2.001	16	1.4	0.277	0.029	0.9254	
5760 minute summer	16	2940	9.533	0.542	1.4	0.0000	0.0000	FLOOD RISK	2.002	17	1.4	0.294	0.038	0.6320	
5760 minute summer	17	2940	9.533	0.674	2.1	2.0911	0.0000	FLOOD RISK	2.003	18	2.1	0.280	0.027	1.8750	
5760 minute summer	18	2880	9.533	0.852	3.9	5.3589	0.0000	FLOOD RISK	2.004	19	3.9	0.285	0.031	5.4890	
5760 minute summer	19	2940	9.533	1.077	7.0	9.7098	0.0000	FLOOD RISK	2.005	20	7.0	0.277	0.035	4.0628	
5760 minute summer	20	2940	9.533	1.122	7.0	0.0000	0.0000	FLOOD RISK	2.006	21	7.0	0.370	0.035	3.4979	
5760 minute summer	21	2940	9.533	1.161	7.0	0.0000	0.0000	FLOOD RISK	2.007	22	7.0	0.377	0.012	3.7404	
5760 minute summer	22	2940	9.533	1.533	9.0	6.6574	0.0000	FLOOD RISK	2.008	23	9.0	0.110	0.031	53.3017	
5760 minute summer	23	960	7.750	1.000	9.0	0.0000	0.0000	FLOOD RISK	2.009	24	9.0	0.076	0.046	0.2475	
5760 minute summer	24	2940	9.530	0.030	9.0	0.0000	0.0000	OK	2.010	24_OUT	9.0	1.873	0.007	0.0288	
5760 minute summer	24_OUT	5760	7.719	0.186	9.0	0.0000	0.0000	OK	Flow through pond	49	19.2	0.003	0.000	1779.5170	
5760 minute summer	25	2940	8.867	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.282	0.011	0.0253	
5760 minute summer	26	2940	8.449	0.014	0.4	0.0183	0.0000	OK	3.001	27	0.3	0.351	0.018	0.0327	
									Infiltration		0.1				
5760 minute summer	27	2940	8.129	0.014	0.5	0.0200	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0273	
									Infiltration		0.1				
5760 minute summer	28	2940	7.719	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.503	0.019	0.0328	
									Infiltration		0.1				
5760 minute summer	29	2940	7.060	0.015	0.7	0.0182	0.0000	OK	3.004	30	0.6	0.626	0.021	0.0064	
									Infiltration		0.1				
5760 minute summer	30	2940	6.835	0.010	0.6	0.0012	0.0000	OK	3.005	31	0.5	0.113	0.000	0.1012	
5760 minute summer	31	2940	6.706	0.011	0.6	0.0013	0.0000	OK	3.006	32	0.5	0.052	0.000	0.1504	
									Infiltration		0.1				
5760 minute summer	32	2940	6.675	0.030	0.5	0.0037	0.0000	OK	3.007	33	0.0	0.000	0.000	0.1125	

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									Infiltration		0.1				
									Infiltration		0.4				
5760 minute summer	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002	
5760 minute summer	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	35	60	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.0				
5760 minute summer	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003	
5760 minute summer	38	60	6.255	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
									Infiltration		0.0				
5760 minute summer	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	40	60	6.695	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	43	60	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002	
5760 minute summer	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	46	60	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	47	60	6.965	0.000	0.0	0.0000	0.0000	OK	3.022	48	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	48	60	6.795	0.000	0.0	0.0000	0.0000	OK	3.023	50	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	49	6000	7.717	-0.283	21.5	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
5760 minute summer	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
5760 minute summer	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
5760 minute summer	52	60	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
5760 minute summer	53	60	6.785	0.000	0.0	0.0000	0.0000	OK	3.024	54	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	54	60	6.625	0.000	0.0	0.0000	0.0000	OK	3.025	54_OUT	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0				
5760 minute summer	55	2640	8.458	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111	
5760 minute summer	56	2640	8.428	0.012	0.2	0.0148	0.0000	OK	5.001	57	0.2	0.162	0.012	0.0180	

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								Infiltration		0.0					
5760 minute summer	57	2640	8.327	0.017	0.3	0.0136	0.0000 OK	5.002	58	0.2	0.177	0.027	0.0378		
								Infiltration		0.0					
5760 minute summer	58	2760	8.285	0.020	0.3	0.0326	0.0000 OK	5.003	59	0.2	0.209	0.028	0.0224		
								Infiltration		0.1					
5760 minute summer	59	2640	8.217	0.012	0.3	0.0157	0.0000 OK	5.004	60	0.2	0.041	0.000	0.3357		
								Infiltration		0.1					
5760 minute summer	60	3240	8.210	0.025	0.3	0.0087	0.0000 OK	5.005	61	0.3	0.026	0.000	1.2730		
								Infiltration		0.1					
5760 minute summer	61	3240	8.210	0.074	0.4	0.0253	0.0000 OK	5.006	62	0.3	0.000	0.000	0.0000		
								Infiltration		0.3					
5760 minute summer	62	2760	8.140	0.004	0.1	0.0013	0.0000 OK	5.007	63	0.1	0.040	0.000	1.6585		
5760 minute summer	63	3240	7.891	0.055	0.2	0.0167	0.0000 OK	5.008	63_OUT	0.1	0.014	0.000	1.3525		
								Infiltration		0.1					
5760 minute summer	63_OUT	3240	7.891	0.126	0.2	0.0429	0.0000 OK	Infiltration		0.2					
5760 minute summer	64	60	6.185	0.000	0.0	0.0000	0.0000 OK	6.000	65	0.0	0.000	0.000	0.0002		
5760 minute summer	65	60	6.125	0.000	0.0	0.0000	0.0000 OK	6.001	66	0.0	0.000	0.000	0.0002		
								Infiltration		0.0					
5760 minute summer	66	60	6.093	0.000	0.0	0.0000	0.0000 OK	6.002	67	0.0	0.000	0.000	0.0001		
								Infiltration		0.0					
5760 minute summer	67	60	6.076	0.000	0.0	0.0000	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.0					
5760 minute summer	68	60	6.076	0.000	0.0	0.0000	0.0000 OK	6.004	69	0.0	0.000	0.000	0.0004		
5760 minute summer	69	60	5.765	0.000	0.0	0.0000	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.0					
5760 minute summer	70	60	5.755	0.000	0.0	0.0000	0.0000 OK	6.006	71	0.0	0.000	0.000	0.0001		
5760 minute summer	71	60	5.685	0.000	0.0	0.0000	0.0000 OK	6.007	72	0.0	0.000	0.000	0.0004		
								Infiltration		0.0					
5760 minute summer	72	60	5.665	0.000	0.0	0.0000	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000		
								Infiltration		0.0					
5760 minute summer	73	60	5.705	0.000	0.0	0.0000	0.0000 OK	6.009	74	0.0	0.000	0.000	0.0001		
5760 minute summer	74	60	5.705	0.000	0.0	0.0000	0.0000 OK	6.010	75	0.0	0.000	0.000	0.0001		
								Infiltration		0.0					
5760 minute summer	75	60	5.705	0.000	0.0	0.0000	0.0000 OK	6.011	76	0.0	0.000	0.000	0.0001		
								Infiltration		0.0					
5760 minute summer	76	60	5.635	0.000	0.0	0.0000	0.0000 OK	6.012	76_OUT	0.0	0.000	0.000	0.0001		
								Infiltration		0.0					
5760 minute summer	76_OUT	60	5.635	0.000	0.0	0.0000	0.0000 OK	Infiltration		0.0					

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Results for 2 year 5760 minute winter, 8000 minute analysis at 60 minute timestep. Mass balance: 98.45%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	1	2880	9.529	0.229	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	0.091	0.002	0.4653	
5760 minute winter	2	2940	9.529	0.279	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.026	-0.021	1.1264	
5760 minute winter	3	2940	9.529	0.379	0.8	0.0000	0.0000	FLOOD RISK	1.002	4	-0.8	-0.028	-0.038	0.4986	
5760 minute winter	4	2760	9.529	0.429	0.9	0.0000	0.0000	FLOOD RISK	1.003	5	-0.9	-0.030	-0.041	0.8441	
5760 minute winter	5	2940	9.529	0.529	1.0	0.0000	0.0000	FLOOD RISK	1.004	6	-1.0	-0.063	-0.027	0.1621	
5760 minute winter	6	2940	9.529	0.629	1.6	5.1862	0.0000	FLOOD RISK	1.005	7	1.4	0.355	0.029	0.7796	
5760 minute winter	7	2940	9.529	0.779	2.2	3.1753	0.0000	FLOOD RISK	1.006	8	2.2	0.346	0.032	2.4823	
5760 minute winter	8	2880	9.529	0.979	3.8	6.7188	0.0000	FLOOD RISK	1.007	9	3.8	0.326	0.035	5.9230	
5760 minute winter	9	2880	9.529	1.179	6.4	11.4629	0.0000	FLOOD RISK	1.008	10	6.4	0.299	0.027	3.1360	
5760 minute winter	10	2880	9.529	1.229	6.9	2.1786	0.0000	FLOOD RISK	1.009	11	6.9	0.241	0.047	47.8613	
5760 minute winter	11	2880	9.528	1.528	6.9	0.0000	0.0000	FLOOD RISK	1.010	12	6.9	0.133	0.024	53.3278	
5760 minute winter	12	960	7.750	1.000	6.9	0.0000	0.0000	FLOOD RISK	1.011	13	6.9	0.059	0.035	0.2464	
5760 minute winter	13	2940	9.527	0.027	6.9	0.0000	0.0000	OK	1.012	13_OUT	6.9	1.726	0.006	0.0239	
5760 minute winter	13_OUT	5640	7.747	0.213	6.9	0.0000	0.0000	OK	Flow through pond	49	18.2	0.003	0.000	2025.8857	
5760 minute winter	14	2760	9.527	0.227	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.005	-0.005	0.8136	
5760 minute winter	15	3060	9.527	0.441	1.0	3.4977	0.0000	FLOOD RISK	2.001	16	1.0	0.301	0.021	0.9254	
5760 minute winter	16	3060	9.527	0.536	1.0	0.0000	0.0000	FLOOD RISK	2.002	17	1.0	0.294	0.020	0.6320	
5760 minute winter	17	2780	9.527	0.668	1.5	2.0733	0.0000	FLOOD RISK	2.003	18	1.5	0.305	0.019	1.8750	
5760 minute winter	18	2780	9.527	0.846	2.8	5.3230	0.0000	FLOOD RISK	2.004	19	2.8	0.292	0.022	5.4890	
5760 minute winter	19	3060	9.527	1.071	5.0	9.8590	0.0000	FLOOD RISK	2.005	20	5.0	0.280	0.025	4.0628	
5760 minute winter	20	3060	9.527	1.116	5.0	0.0000	0.0000	FLOOD RISK	2.006	21	5.0	0.353	0.025	3.4979	
5760 minute winter	21	2760	9.527	1.155	5.0	0.0000	0.0000	FLOOD RISK	2.007	22	5.0	0.396	0.008	3.7404	
5760 minute winter	22	2780	9.527	1.527	6.4	6.5333	0.0000	FLOOD RISK	2.008	23	6.4	0.185	0.022	53.3017	
5760 minute winter	23	900	7.750	1.000	6.4	0.0000	0.0000	FLOOD RISK	2.009	24	6.4	0.055	0.033	0.2464	
5760 minute winter	24	2880	9.526	0.026	6.4	0.0000	0.0000	OK	2.010	24_OUT	6.4	1.689	0.005	0.0227	
5760 minute winter	24_OUT	5760	7.747	0.213	6.4	0.0000	0.0000	OK	Flow through pond	49	18.2	0.003	0.000	2025.8857	
5760 minute winter	25	1960	8.804	0.008	0.1	0.0052	0.0000	OK	3.000	26	0.1	0.240	0.008	0.0148	
5760 minute winter	26	1980	8.445	0.010	0.2	0.0105	0.0000	OK	3.001	27	0.1	0.278	0.008	0.0177	
									Infiltration		0.1				
5760 minute winter	27	1980	8.124	0.009	0.2	0.0103	0.0000	OK	3.002	28	0.1	0.311	0.007	0.0141	
									Infiltration		0.1				
5760 minute winter	28	1980	7.704	0.009	0.2	0.0092	0.0000	OK	3.003	29	0.2	0.374	0.007	0.0168	
									Infiltration		0.1				
5760 minute winter	29	1980	7.075	0.010	0.3	0.0090	0.0000	OK	3.004	30	0.2	0.473	0.008	0.0033	
									Infiltration		0.0				
5760 minute winter	30	1960	6.830	0.005	0.2	0.0007	0.0000	OK	3.005	31	0.2	0.050	0.000	0.0561	
5760 minute winter	31	1960	6.701	0.006	0.2	0.0007	0.0000	OK	3.006	32	0.2	0.050	0.000	0.0508	
									Infiltration		0.0				

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5760 minute winter	32	2100	6.858	0.011	0.2	0.0014	0.0000	OK	3.007	33	0.0	0.000	0.000	0.0402
									Infiltration		0.1			
									Infiltration		0.1			
5760 minute winter	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002
5760 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	35	80	6.875	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
5760 minute winter	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003
5760 minute winter	38	80	6.265	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
									Infiltration		0.0			
5760 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	40	80	6.895	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	43	80	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002
5760 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	46	80	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	47	60	6.965	0.000	0.0	0.0000	0.0000	OK	3.022	48	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	48	60	6.795	0.000	0.0	0.0000	0.0000	OK	3.023	53	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	49	5880	7.744	-0.256	20.0	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
5760 minute winter	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
5760 minute winter	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
5760 minute winter	52	80	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
5760 minute winter	53	80	6.785	0.000	0.0	0.0000	0.0000	OK	3.024	54	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	54	60	6.525	0.000	0.0	0.0000	0.0000	OK	3.025	54_OUT	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

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5760 minute winter	55	2520	8.459	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111
5760 minute winter	56	2520	8.428	0.012	0.2	0.0149	0.0000	OK	5.001	57	0.2	0.182	0.012	0.0180
									Infiltration		0.0			
5760 minute winter	57	2520	8.327	0.017	0.3	0.0136	0.0000	OK	5.002	58	0.2	0.177	0.027	0.0378
									Infiltration		0.0			
5760 minute winter	58	2640	8.265	0.020	0.3	0.0326	0.0000	OK	5.003	59	0.2	0.299	0.028	0.0224
									Infiltration		0.1			
5760 minute winter	59	2520	8.217	0.012	0.3	0.0157	0.0000	OK	5.004	60	0.2	0.041	0.000	0.0360
									Infiltration		0.1			
5760 minute winter	60	3360	8.210	0.025	0.3	0.0087	0.0000	OK	5.005	61	0.3	0.026	0.000	1.2741
									Infiltration		0.1			
5760 minute winter	61	3360	8.210	0.074	0.4	0.0253	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
5760 minute winter	62	2580	8.140	0.004	0.1	0.0013	0.0000	OK	5.007	63	0.1	0.040	0.000	1.1000
5760 minute winter	63	3360	7.893	0.057	0.2	0.0195	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	1.3678
									Infiltration		0.1			
5760 minute winter	63_OUT	3360	7.893	0.128	0.2	0.0438	0.0000	OK	Infiltration		0.2			
5760 minute winter	64	60	6.185	0.000	0.0	0.0000	0.0000	OK	5.000	65	0.0	0.000	0.000	0.0002
5760 minute winter	65	60	6.125	0.000	0.0	0.0000	0.0000	OK	5.001	66	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	66	60	6.093	0.000	0.0	0.0000	0.0000	OK	5.002	67	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
5760 minute winter	67	60	6.076	0.000	0.0	0.0000	0.0000	OK	5.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
5760 minute winter	68	60	6.078	0.000	0.0	0.0000	0.0000	OK	5.004	69	0.0	0.000	0.000	0.0004
5760 minute winter	69	60	5.765	0.000	0.0	0.0000	0.0000	OK	5.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
5760 minute winter	70	60	5.755	0.000	0.0	0.0000	0.0000	OK	5.006	71	0.0	0.000	0.000	0.0001
5760 minute winter	71	60	5.685	0.000	0.0	0.0000	0.0000	OK	5.007	72	0.0	0.000	0.000	0.0004
									Infiltration		0.0			
5760 minute winter	72	60	5.685	0.000	0.0	0.0000	0.0000	OK	5.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
5760 minute winter	73	60	5.705	0.000	0.0	0.0000	0.0000	OK	5.009	74	0.0	0.000	0.000	0.0001
5760 minute winter	74	60	5.705	0.000	0.0	0.0000	0.0000	OK	5.010	75	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
5760 minute winter	75	60	5.705	0.000	0.0	0.0000	0.0000	OK	5.011	76	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
5760 minute winter	76	60	5.835	0.000	0.0	0.0000	0.0000	OK	5.012	76_OUT	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
5760 minute winter	76_OUT	60	5.835	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

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Results for 2 year 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance: 98.40%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	1	3660	9.533	0.233	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.002	-0.003	0.4852	
7200 minute summer	2	3600	9.533	0.283	0.3	0.0000	0.0000	FLOOD RISK	1.001	3	-0.3	-0.020	-0.013	1.1264	
7200 minute summer	3	3600	9.532	0.382	0.6	0.0000	0.0000	FLOOD RISK	1.002	4	-0.6	-0.021	-0.027	0.4986	
7200 minute summer	4	3600	9.533	0.433	0.7	0.0000	0.0000	FLOOD RISK	1.003	5	-0.7	-0.023	-0.031	0.8441	
7200 minute summer	5	3660	9.533	0.533	0.8	0.0000	0.0000	FLOOD RISK	1.004	6	-0.8	-0.025	-0.021	0.1621	
7200 minute summer	6	3660	9.533	0.633	1.7	5.2172	0.0000	FLOOD RISK	1.005	7	1.7	0.319	0.035	0.7796	
7200 minute summer	7	3660	9.533	0.783	2.7	3.1904	0.0000	FLOOD RISK	1.006	8	2.7	0.288	0.039	2.4923	
7200 minute summer	8	3600	9.532	0.982	4.6	6.7436	0.0000	FLOOD RISK	1.007	9	4.6	0.281	0.043	5.9230	
7200 minute summer	9	3600	9.532	1.182	7.8	11.4987	0.0000	FLOOD RISK	1.008	10	7.8	0.248	0.033	3.1360	
7200 minute summer	10	3660	9.532	1.232	8.4	2.1848	0.0000	FLOOD RISK	1.009	11	8.4	0.218	0.057	47.8613	
7200 minute summer	11	3660	9.531	1.531	8.4	0.0000	0.0000	FLOOD RISK	1.010	12	8.4	0.184	0.029	53.3278	
7200 minute summer	12	1020	7.750	1.000	8.4	0.0000	0.0000	FLOOD RISK	1.011	13	8.4	0.071	0.043	0.2471	
7200 minute summer	13	3660	9.529	0.029	8.4	0.0000	0.0000	OK	1.012	13_OUT	8.4	1.833	0.607	0.0275	
7200 minute summer	13_OUT	7200	7.745	0.212	8.4	0.0000	0.0000	OK	Flow through pond	49	28.8	0.003	0.000	2009.0337	
7200 minute summer	14	3660	9.531	0.231	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.006	-0.005	0.8136	
7200 minute summer	15	3600	9.531	0.445	1.3	3.5281	0.0000	FLOOD RISK	2.001	16	1.3	0.246	0.027	0.9254	
7200 minute summer	16	3600	9.531	0.540	1.3	0.0000	0.0000	FLOOD RISK	2.002	17	1.3	0.256	0.026	0.6320	
7200 minute summer	17	3660	9.531	0.672	2.0	2.0851	0.0000	FLOOD RISK	2.003	18	2.0	0.271	0.026	1.8750	
7200 minute summer	18	3600	9.531	0.856	3.6	5.3467	0.0000	FLOOD RISK	2.004	19	3.6	0.285	0.029	5.4890	
7200 minute summer	19	3600	9.531	1.075	6.3	9.6924	0.0000	FLOOD RISK	2.005	20	6.3	0.256	0.032	4.0628	
7200 minute summer	20	3660	9.531	1.120	6.3	0.0000	0.0000	FLOOD RISK	2.006	21	6.3	0.359	0.032	3.4979	
7200 minute summer	21	3660	9.531	1.159	6.3	0.0000	0.0000	FLOOD RISK	2.007	22	6.3	0.357	0.011	3.7404	
7200 minute summer	22	3660	9.531	1.531	8.1	8.8492	0.0000	FLOOD RISK	2.008	23	8.1	0.115	0.028	53.3017	
7200 minute summer	23	1140	7.750	1.000	8.1	0.0000	0.0000	FLOOD RISK	2.009	24	8.1	0.059	0.041	0.2472	
7200 minute summer	24	3660	9.529	0.029	8.1	0.0000	0.0000	OK	2.010	24_OUT	8.1	1.813	0.607	0.0267	
7200 minute summer	24_OUT	7200	7.745	0.212	8.1	0.0000	0.0000	OK	Flow through pond	49	28.8	0.003	0.000	2009.0337	
7200 minute summer	25	2880	8.804	0.008	0.1	0.0052	0.0000	OK	3.000	26	0.1	0.240	0.006	0.0148	
7200 minute summer	26	2880	8.445	0.010	0.2	0.0105	0.0000	OK	3.001	27	0.1	0.278	0.008	0.0177	
									Infiltration		0.1				
7200 minute summer	27	2880	8.124	0.009	0.2	0.0103	0.0000	OK	3.002	28	0.1	0.311	0.007	0.0141	
									Infiltration		0.1				
7200 minute summer	28	2880	7.704	0.008	0.2	0.0092	0.0000	OK	3.003	29	0.2	0.374	0.007	0.0168	
									Infiltration		0.1				
7200 minute summer	29	2880	7.075	0.010	0.3	0.0090	0.0000	OK	3.004	30	0.2	0.473	0.008	0.0033	
									Infiltration		0.0				
7200 minute summer	30	2880	6.830	0.005	0.2	0.0007	0.0000	OK	3.005	31	0.2	0.080	0.000	0.0561	
7200 minute summer	31	2880	6.701	0.006	0.2	0.0007	0.0000	OK	3.006	32	0.2	0.050	0.000	0.0808	
									Infiltration		0.0				
7200 minute summer	32	3600	6.656	0.011	0.3	0.0014	0.0000	OK	3.007	33	0.0	0.000	0.000	0.0402	

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									Infiltration		0.1				
									Infiltration		0.1				
7200 minute summer	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002	
7200 minute summer	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	35	60	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.0				
7200 minute summer	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003	
7200 minute summer	38	60	6.255	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
									Infiltration		0.0				
7200 minute summer	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	40	60	6.695	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	43	60	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002	
7200 minute summer	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	46	60	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	47	60	6.965	0.000	0.0	0.0000	0.0000	OK	3.022	48	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	48	60	6.795	0.000	0.0	0.0000	0.0000	OK	3.023	50	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	49	7440	7.742	-0.258	30.3	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
7200 minute summer	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
7200 minute summer	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
7200 minute summer	52	60	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
7200 minute summer	53	60	6.785	0.000	0.0	0.0000	0.0000	OK	3.024	54	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	54	60	6.625	0.000	0.0	0.0000	0.0000	OK	3.025	54_OUT	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0				
7200 minute summer	55	3360	8.458	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111	
7200 minute summer	56	3360	8.428	0.012	0.2	0.0148	0.0000	OK	5.001	57	0.2	0.162	0.012	0.0180	

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								Infiltration		0.0					
7200 minute summer	57	3360	8.327	0.017	0.3	0.0136	0.0000 OK	5.002	58	0.2	0.177	0.027	0.0378		
								Infiltration		0.0					
7200 minute summer	58	3480	8.285	0.020	0.3	0.0326	0.0000 OK	5.003	59	0.2	0.209	0.028	0.0224		
								Infiltration		0.1					
7200 minute summer	59	3360	8.217	0.012	0.3	0.0157	0.0000 OK	5.004	60	0.2	0.041	0.000	0.3357		
								Infiltration		0.1					
7200 minute summer	60	3960	8.210	0.025	0.3	0.0087	0.0000 OK	5.005	61	0.3	0.026	0.000	1.2730		
								Infiltration		0.1					
7200 minute summer	61	3960	8.210	0.074	0.4	0.0253	0.0000 OK	5.006	62	0.3	0.000	0.000	0.0000		
								Infiltration		0.3					
7200 minute summer	62	3420	8.140	0.004	0.1	0.0013	0.0000 OK	5.007	63	0.1	0.040	0.000	1.6585		
7200 minute summer	63	3960	7.891	0.055	0.2	0.0167	0.0000 OK	5.008	63_OUT	0.1	0.014	0.000	1.3525		
								Infiltration		0.1					
7200 minute summer	63_OUT	3960	7.891	0.126	0.2	0.0429	0.0000 OK	Infiltration		0.2					
7200 minute summer	64	60	6.185	0.000	0.0	0.0000	0.0000 OK	6.000	65	0.0	0.000	0.000	0.0002		
7200 minute summer	65	60	6.125	0.000	0.0	0.0000	0.0000 OK	6.001	66	0.0	0.000	0.000	0.0002		
								Infiltration		0.0					
7200 minute summer	66	60	6.093	0.000	0.0	0.0000	0.0000 OK	6.002	67	0.0	0.000	0.000	0.0001		
								Infiltration		0.0					
7200 minute summer	67	60	6.076	0.000	0.0	0.0000	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.0					
7200 minute summer	68	60	6.076	0.000	0.0	0.0000	0.0000 OK	6.004	69	0.0	0.000	0.000	0.0004		
7200 minute summer	69	60	5.765	0.000	0.0	0.0000	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.0					
7200 minute summer	70	60	5.755	0.000	0.0	0.0000	0.0000 OK	6.006	71	0.0	0.000	0.000	0.0001		
7200 minute summer	71	60	5.685	0.000	0.0	0.0000	0.0000 OK	6.007	72	0.0	0.000	0.000	0.0004		
								Infiltration		0.0					
7200 minute summer	72	60	5.665	0.000	0.0	0.0000	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000		
								Infiltration		0.0					
7200 minute summer	73	60	5.705	0.000	0.0	0.0000	0.0000 OK	6.009	74	0.0	0.000	0.000	0.0001		
7200 minute summer	74	60	5.705	0.000	0.0	0.0000	0.0000 OK	6.010	75	0.0	0.000	0.000	0.0001		
								Infiltration		0.0					
7200 minute summer	75	60	5.705	0.000	0.0	0.0000	0.0000 OK	6.011	76	0.0	0.000	0.000	0.0001		
								Infiltration		0.0					
7200 minute summer	76	60	5.635	0.000	0.0	0.0000	0.0000 OK	6.012	76_OUT	0.0	0.000	0.000	0.0001		
								Infiltration		0.0					
7200 minute summer	76_OUT	60	5.635	0.000	0.0	0.0000	0.0000 OK	Infiltration		0.0					

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Results for 2 year 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 86.78%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	1	3540	9.527	0.227	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.014	-0.006	0.4653	
7200 minute winter	2	3600	9.527	0.277	0.5	0.0000	0.0000	FLOOD RISK	1.001	3	-0.5	-0.020	-0.024	1.1264	
7200 minute winter	3	3720	9.527	0.377	0.7	0.0000	0.0000	FLOOD RISK	1.002	4	-0.7	-0.023	-0.033	0.4986	
7200 minute winter	4	3720	9.527	0.427	0.8	0.0000	0.0000	FLOOD RISK	1.003	5	-0.8	-0.025	-0.033	0.8441	
7200 minute winter	5	3660	9.527	0.527	0.8	0.0000	0.0000	FLOOD RISK	1.004	6	-0.8	-0.027	-0.022	0.1621	
7200 minute winter	6	3660	9.527	0.627	1.4	5.1685	0.0000	FLOOD RISK	1.005	7	1.2	0.340	0.025	0.7796	
7200 minute winter	7	3660	9.527	0.777	1.9	3.1685	0.0000	FLOOD RISK	1.006	8	1.9	0.335	0.027	2.4823	
7200 minute winter	8	3720	9.527	0.977	3.3	6.7043	0.0000	FLOOD RISK	1.007	9	3.3	0.305	0.031	5.9230	
7200 minute winter	9	3600	9.527	1.177	5.8	11.4415	0.0000	FLOOD RISK	1.008	10	5.8	0.271	0.024	3.1360	
7200 minute winter	10	3600	9.527	1.227	6.0	2.1748	0.0000	FLOOD RISK	1.009	11	6.0	0.235	0.041	47.8613	
7200 minute winter	11	3600	9.526	1.526	6.0	0.0000	0.0000	FLOOD RISK	1.010	12	6.0	0.127	0.021	53.3278	
7200 minute winter	12	1080	7.750	1.000	6.0	0.0000	0.0000	FLOOD RISK	1.011	13	6.0	0.052	0.031	0.2460	
7200 minute winter	13	3720	9.525	0.025	6.0	0.0000	0.0000	OK	1.012	13_OUT	6.0	1.657	0.005	0.0217	
7200 minute winter	13_OUT	7140	7.774	0.241	6.0	0.0000	0.0000	OK	Flow through pond	49	27.8	0.003	0.000	2267.3254	
7200 minute winter	14	3600	9.528	0.226	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.004	-0.004	0.8138	
7200 minute winter	15	3660	9.528	0.440	0.9	3.4868	0.0000	FLOOD RISK	2.001	16	0.9	0.277	0.019	0.9254	
7200 minute winter	16	3660	9.528	0.535	0.9	0.0000	0.0000	FLOOD RISK	2.002	17	0.9	0.294	0.018	0.6320	
7200 minute winter	17	3660	9.526	0.667	1.4	2.0691	0.0000	FLOOD RISK	2.003	18	1.4	0.280	0.018	1.8750	
7200 minute winter	18	3660	9.526	0.845	2.5	5.3144	0.0000	FLOOD RISK	2.004	19	2.5	0.285	0.020	5.4890	
7200 minute winter	19	3600	9.528	1.070	4.5	9.8459	0.0000	FLOOD RISK	2.005	20	4.5	0.269	0.023	4.0628	
7200 minute winter	20	3600	9.526	1.115	4.5	0.0000	0.0000	FLOOD RISK	2.006	21	4.5	0.359	0.023	3.4979	
7200 minute winter	21	3660	9.526	1.154	4.5	0.0000	0.0000	FLOOD RISK	2.007	22	4.5	0.396	0.008	3.7404	
7200 minute winter	22	3660	9.525	1.526	5.8	6.5274	0.0000	FLOOD RISK	2.008	23	5.8	0.155	0.020	53.3017	
7200 minute winter	23	1080	7.750	1.000	5.8	0.0000	0.0000	FLOOD RISK	2.009	24	5.8	0.050	0.030	0.2460	
7200 minute winter	24	3660	9.525	0.025	5.8	0.0000	0.0000	OK	2.010	24_OUT	5.8	1.642	0.005	0.0212	
7200 minute winter	24_OUT	7080	7.774	0.241	5.8	0.0000	0.0000	OK	Flow through pond	49	27.8	0.003	0.000	2267.3254	
7200 minute winter	25	2520	8.804	0.008	0.1	0.0052	0.0000	OK	3.000	26	0.1	0.240	0.008	0.0148	
7200 minute winter	26	2520	8.445	0.010	0.2	0.0105	0.0000	OK	3.001	27	0.1	0.278	0.008	0.0177	
									Infiltration		0.1				
7200 minute winter	27	2520	8.124	0.009	0.2	0.0103	0.0000	OK	3.002	28	0.1	0.311	0.007	0.0141	
									Infiltration		0.1				
7200 minute winter	28	2520	7.704	0.009	0.2	0.0092	0.0000	OK	3.003	29	0.2	0.374	0.007	0.0168	
									Infiltration		0.1				
7200 minute winter	29	2520	7.075	0.010	0.3	0.0090	0.0000	OK	3.004	30	0.2	0.473	0.008	0.0033	
									Infiltration		0.0				
7200 minute winter	30	2520	6.830	0.005	0.2	0.0007	0.0000	OK	3.005	31	0.2	0.050	0.000	0.0561	
7200 minute winter	31	2520	6.701	0.006	0.2	0.0007	0.0000	OK	3.006	32	0.2	0.050	0.000	0.0508	
									Infiltration		0.0				

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7200 minute winter	32	2640	6.858	0.011	0.2	0.0014	0.0000	OK	3.007	33	0.0	0.000	0.000	0.0402
									Infiltration		0.1			
									Infiltration		0.1			
7200 minute winter	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002
7200 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	35	80	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
7200 minute winter	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003
7200 minute winter	38	80	6.265	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
									Infiltration		0.0			
7200 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	40	80	6.895	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	43	80	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002
7200 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	46	80	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	47	60	6.965	0.000	0.0	0.0000	0.0000	OK	3.022	48	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	48	60	6.795	0.000	0.0	0.0000	0.0000	OK	3.023	53	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	49	7440	7.771	-0.229	36.5	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
7200 minute winter	50	50	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
7200 minute winter	51	50	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
7200 minute winter	52	80	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
7200 minute winter	53	80	6.785	0.000	0.0	0.0000	0.0000	OK	3.024	54	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	54	50	6.525	0.000	0.0	0.0000	0.0000	OK	3.025	54_OUT	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

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7200 minute winter	55	3360	8.459	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111
7200 minute winter	56	3380	8.428	0.012	0.2	0.0149	0.0000	OK	5.001	57	0.2	0.182	0.012	0.0180
									Infiltration		0.0			
7200 minute winter	57	3360	8.327	0.017	0.3	0.0130	0.0000	OK	5.002	58	0.2	0.177	0.027	0.0378
									Infiltration		0.0			
7200 minute winter	58	3480	8.265	0.020	0.3	0.0326	0.0000	OK	5.003	59	0.2	0.299	0.028	0.0224
									Infiltration		0.1			
7200 minute winter	59	3380	8.217	0.012	0.3	0.0157	0.0000	OK	5.004	60	0.2	0.041	0.000	0.0357
									Infiltration		0.1			
7200 minute winter	60	3960	8.210	0.025	0.3	0.0087	0.0000	OK	5.005	61	0.3	0.026	0.000	1.2730
									Infiltration		0.1			
7200 minute winter	61	3980	8.210	0.074	0.4	0.0253	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
7200 minute winter	62	3420	8.140	0.004	0.1	0.0013	0.0000	OK	5.007	63	0.1	0.040	0.000	1.0585
7200 minute winter	63	3960	7.891	0.055	0.2	0.0187	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	1.3525
									Infiltration		0.1			
7200 minute winter	63_OUT	3980	7.891	0.126	0.2	0.0429	0.0000	OK	Infiltration		0.2			
7200 minute winter	64	60	6.185	0.000	0.0	0.0000	0.0000	OK	6.000	65	0.0	0.000	0.000	0.0002
7200 minute winter	65	60	6.125	0.000	0.0	0.0000	0.0000	OK	6.001	66	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	66	60	6.093	0.000	0.0	0.0000	0.0000	OK	6.002	67	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
7200 minute winter	67	60	6.076	0.000	0.0	0.0000	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
7200 minute winter	68	60	6.078	0.000	0.0	0.0000	0.0000	OK	6.004	69	0.0	0.000	0.000	0.0004
7200 minute winter	69	60	5.765	0.000	0.0	0.0000	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
7200 minute winter	70	60	5.755	0.000	0.0	0.0000	0.0000	OK	6.006	71	0.0	0.000	0.000	0.0001
7200 minute winter	71	60	5.685	0.000	0.0	0.0000	0.0000	OK	6.007	72	0.0	0.000	0.000	0.0004
									Infiltration		0.0			
7200 minute winter	72	60	5.685	0.000	0.0	0.0000	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
7200 minute winter	73	60	5.705	0.000	0.0	0.0000	0.0000	OK	6.009	74	0.0	0.000	0.000	0.0001
7200 minute winter	74	60	5.705	0.000	0.0	0.0000	0.0000	OK	6.010	75	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
7200 minute winter	75	60	5.705	0.000	0.0	0.0000	0.0000	OK	6.011	76	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
7200 minute winter	76	60	5.835	0.000	0.0	0.0000	0.0000	OK	6.012	76_OUT	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
7200 minute winter	76_OUT	60	5.835	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

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Results for 2 year 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 98.88%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	1	4320	9.531	0.231	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.005	-0.006	0.4853	
8640 minute summer	2	4320	9.531	0.281	0.3	0.0000	0.0000	FLOOD RISK	1.001	3	-0.3	-0.016	-0.014	1.1264	
8640 minute summer	3	4360	9.531	0.381	0.4	0.0000	0.0000	FLOOD RISK	1.002	4	-0.4	-0.015	-0.018	0.4986	
8640 minute summer	4	4360	9.531	0.431	0.5	0.0000	0.0000	FLOOD RISK	1.003	5	-0.5	-0.017	-0.022	0.8441	
8640 minute summer	5	4360	9.531	0.531	0.6	0.0000	0.0000	FLOOD RISK	1.004	6	-0.6	-0.018	-0.015	0.1621	
8640 minute summer	6	4320	9.531	0.631	1.5	5.1998	0.0000	FLOOD RISK	1.005	7	1.5	0.291	0.031	0.7796	
8640 minute summer	7	4320	9.531	0.781	2.4	3.1820	0.0000	FLOOD RISK	1.006	8	2.4	0.288	0.034	2.4923	
8640 minute summer	8	4360	9.531	0.981	4.2	6.7308	0.0000	FLOOD RISK	1.007	9	4.2	0.257	0.039	5.9230	
8640 minute summer	9	4320	9.530	1.180	7.1	11.4789	0.0000	FLOOD RISK	1.008	10	7.1	0.240	0.030	3.1360	
8640 minute summer	10	4320	9.530	1.230	7.6	2.1815	0.0000	FLOOD RISK	1.009	11	7.6	0.218	0.051	47.8613	
8640 minute summer	11	4320	9.530	1.530	7.6	0.0000	0.0000	FLOOD RISK	1.010	12	7.6	0.199	0.026	53.3278	
8640 minute summer	12	1200	7.750	1.000	7.6	0.0000	0.0000	FLOOD RISK	1.011	13	7.6	0.065	0.039	0.2468	
8640 minute summer	13	4360	9.528	0.028	7.6	0.0000	0.0000	OK	1.012	13_OUT	7.6	1.778	0.006	0.0256	
8640 minute summer	13_OUT	8640	7.769	0.236	7.6	0.0000	0.0000	OK	Flow through pond	49	24.5	0.003	0.000	2221.0962	
8640 minute summer	14	4320	9.529	0.229	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.003	-0.004	0.8136	
8640 minute summer	15	4320	9.528	0.443	1.2	3.5139	0.0000	FLOOD RISK	2.001	16	1.2	0.246	0.025	0.9254	
8640 minute summer	16	4320	9.529	0.538	1.2	0.0000	0.0000	FLOOD RISK	2.002	17	1.2	0.256	0.024	0.6320	
8640 minute summer	17	4320	9.529	0.670	1.8	2.0796	0.0000	FLOOD RISK	2.003	18	1.8	0.271	0.023	1.8750	
8640 minute summer	18	4320	9.529	0.848	3.2	5.3356	0.0000	FLOOD RISK	2.004	19	3.2	0.285	0.025	5.4890	
8640 minute summer	19	4360	9.529	1.073	5.7	9.6787	0.0000	FLOOD RISK	2.005	20	5.7	0.245	0.029	4.0628	
8640 minute summer	20	4360	9.529	1.118	5.7	0.0000	0.0000	FLOOD RISK	2.006	21	5.7	0.342	0.029	3.4979	
8640 minute summer	21	4360	9.529	1.157	5.7	0.0000	0.0000	FLOOD RISK	2.007	22	5.7	0.357	0.010	3.7404	
8640 minute summer	22	4360	9.528	1.529	7.3	6.6417	0.0000	FLOOD RISK	2.008	23	7.3	0.114	0.025	53.3017	
8640 minute summer	23	1020	7.750	1.000	7.3	0.0000	0.0000	FLOOD RISK	2.009	24	7.3	0.052	0.037	0.2468	
8640 minute summer	24	4360	9.527	0.027	7.3	0.0000	0.0000	OK	2.010	24_OUT	7.3	1.757	0.006	0.0249	
8640 minute summer	24_OUT	8640	7.769	0.236	7.3	0.0000	0.0000	OK	Flow through pond	49	24.5	0.003	0.000	2221.0962	
8640 minute summer	25	3480	8.864	0.008	0.1	0.0052	0.0000	OK	3.000	26	0.1	0.240	0.006	0.0148	
8640 minute summer	26	3480	8.445	0.010	0.2	0.0105	0.0000	OK	3.001	27	0.1	0.278	0.008	0.0177	
									Infiltration		0.1				
8640 minute summer	27	3460	8.124	0.009	0.2	0.0103	0.0000	OK	3.002	28	0.1	0.311	0.007	0.0141	
									Infiltration		0.1				
8640 minute summer	28	3480	7.704	0.009	0.2	0.0092	0.0000	OK	3.003	29	0.2	0.374	0.007	0.0168	
									Infiltration		0.1				
8640 minute summer	29	3480	7.075	0.010	0.3	0.0090	0.0000	OK	3.004	30	0.2	0.473	0.008	0.0033	
									Infiltration		0.0				
8640 minute summer	30	3480	6.830	0.005	0.2	0.0007	0.0000	OK	3.005	31	0.2	0.080	0.000	0.0561	
8640 minute summer	31	3460	6.701	0.006	0.2	0.0007	0.0000	OK	3.006	32	0.2	0.050	0.000	0.0808	
									Infiltration		0.0				
8640 minute summer	32	3600	6.656	0.011	0.2	0.0014	0.0000	OK	3.007	33	0.0	0.000	0.000	0.0402	

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									Infiltration		0.1				
									Infiltration		0.1				
8640 minute summer	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002	
8640 minute summer	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	35	60	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.0				
8640 minute summer	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003	
8640 minute summer	38	60	6.255	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
									Infiltration		0.0				
8640 minute summer	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	40	60	6.695	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	43	60	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002	
8640 minute summer	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	46	60	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	47	60	6.965	0.000	0.0	0.0000	0.0000	OK	3.022	48	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	48	60	6.795	0.000	0.0	0.0000	0.0000	OK	3.023	50	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	49	8700	7.766	-0.234	26.7	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
8640 minute summer	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
8640 minute summer	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
8640 minute summer	52	60	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
8640 minute summer	53	60	6.785	0.000	0.0	0.0000	0.0000	OK	3.024	54	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	54	60	6.625	0.000	0.0	0.0000	0.0000	OK	3.025	54_OUT	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0				
8640 minute summer	55	4080	8.458	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111	
8640 minute summer	56	4080	8.428	0.012	0.2	0.0148	0.0000	OK	5.001	57	0.2	0.162	0.012	0.0180	

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								Infiltration		0.0					
8640 minute summer	57	4080	8.327	0.017	0.3	0.0136	0.0000 OK	S.002	58	0.2	0.177	0.027	0.0378		
								Infiltration		0.0					
8640 minute summer	58	4200	8.285	0.020	0.3	0.0326	0.0000 OK	S.003	59	0.2	0.209	0.028	0.0224		
								Infiltration		0.1					
8640 minute summer	59	4080	8.217	0.012	0.3	0.0157	0.0000 OK	S.004	60	0.2	0.041	0.000	0.3357		
								Infiltration		0.1					
8640 minute summer	60	4680	8.210	0.025	0.3	0.0087	0.0000 OK	S.005	61	0.3	0.026	0.000	1.2730		
								Infiltration		0.1					
8640 minute summer	61	4680	8.210	0.074	0.4	0.0253	0.0000 OK	S.006	62	0.3	0.000	0.000	0.0000		
								Infiltration		0.3					
8640 minute summer	62	4140	8.140	0.004	0.1	0.0013	0.0000 OK	S.007	63	0.1	0.040	0.000	1.6585		
8640 minute summer	63	4680	7.891	0.055	0.2	0.0167	0.0000 OK	S.008	63_OUT	0.1	0.014	0.000	1.3525		
								Infiltration		0.1					
8640 minute summer	63_OUT	4680	7.891	0.126	0.2	0.0429	0.0000 OK	Infiltration		0.2					
8640 minute summer	64	60	6.185	0.000	0.0	0.0000	0.0000 OK	S.000	65	0.0	0.000	0.000	0.0002		
8640 minute summer	65	60	6.125	0.000	0.0	0.0000	0.0000 OK	S.001	66	0.0	0.000	0.000	0.0002		
								Infiltration		0.0					
8640 minute summer	66	60	6.093	0.000	0.0	0.0000	0.0000 OK	S.002	67	0.0	0.000	0.000	0.0001		
								Infiltration		0.0					
8640 minute summer	67	60	6.076	0.000	0.0	0.0000	0.0000 OK	S.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.0					
8640 minute summer	68	60	6.076	0.000	0.0	0.0000	0.0000 OK	S.004	69	0.0	0.000	0.000	0.0004		
8640 minute summer	69	60	5.765	0.000	0.0	0.0000	0.0000 OK	S.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.0					
8640 minute summer	70	60	5.755	0.000	0.0	0.0000	0.0000 OK	S.006	71	0.0	0.000	0.000	0.0001		
8640 minute summer	71	60	5.685	0.000	0.0	0.0000	0.0000 OK	S.007	72	0.0	0.000	0.000	0.0004		
								Infiltration		0.0					
8640 minute summer	72	60	5.665	0.000	0.0	0.0000	0.0000 OK	S.008	73	0.0	0.000	0.000	0.0000		
								Infiltration		0.0					
8640 minute summer	73	60	5.705	0.000	0.0	0.0000	0.0000 OK	S.009	74	0.0	0.000	0.000	0.0001		
8640 minute summer	74	60	5.705	0.000	0.0	0.0000	0.0000 OK	S.010	75	0.0	0.000	0.000	0.0001		
								Infiltration		0.0					
8640 minute summer	75	60	5.705	0.000	0.0	0.0000	0.0000 OK	S.011	76	0.0	0.000	0.000	0.0001		
								Infiltration		0.0					
8640 minute summer	76	60	5.635	0.000	0.0	0.0000	0.0000 OK	S.012	76_OUT	0.0	0.000	0.000	0.0001		
								Infiltration		0.0					
8640 minute summer	76_OUT	60	5.635	0.000	0.0	0.0000	0.0000 OK	Infiltration		0.0					

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Results for 2 year 8640 minute winter, 8880 minute analysis at 60 minute timestep. Mass balance: 87.80%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	1	4500	9.526	0.226	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.006	-0.006	0.4653	
8640 minute winter	2	4500	9.525	0.276	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.015	-0.023	1.1264	
8640 minute winter	3	4320	9.526	0.376	0.8	0.0000	0.0000	FLOOD RISK	1.002	4	-0.8	-0.029	-0.027	0.4986	
8640 minute winter	4	4320	9.526	0.426	0.6	0.0000	0.0000	FLOOD RISK	1.003	5	-0.5	-0.022	-0.027	0.8441	
8640 minute winter	5	4500	9.526	0.526	0.7	0.0000	0.0000	FLOOD RISK	1.004	6	-0.7	-0.022	-0.018	0.1621	
8640 minute winter	6	4200	9.526	0.626	1.2	5.1573	0.0000	FLOOD RISK	1.005	7	1.1	0.319	0.023	0.7796	
8640 minute winter	7	4200	9.526	0.776	1.7	3.1612	0.0000	FLOOD RISK	1.006	8	1.7	0.305	0.024	2.4823	
8640 minute winter	8	4320	9.526	0.976	3.0	6.6862	0.0000	FLOOD RISK	1.007	9	3.0	0.281	0.028	5.9230	
8640 minute winter	9	4260	9.525	1.176	5.1	11.4306	0.0000	FLOOD RISK	1.008	10	5.1	0.248	0.022	3.1360	
8640 minute winter	10	4260	9.525	1.225	5.5	2.1728	0.0000	FLOOD RISK	1.009	11	5.5	0.226	0.037	47.8613	
8640 minute winter	11	4260	9.525	1.525	5.5	0.0000	0.0000	FLOOD RISK	1.010	12	5.5	0.166	0.019	53.3278	
8640 minute winter	12	1140	7.750	1.000	5.5	0.0000	0.0000	FLOOD RISK	1.011	13	5.5	0.047	0.028	0.2457	
8640 minute winter	13	4500	9.524	0.024	5.5	0.0000	0.0000	OK	1.012	13_OUT	5.5	1.617	0.004	0.0204	
8640 minute winter	13_OUT	8460	7.802	0.269	5.5	0.0000	0.0000	OK	Flow through pond	49	26.6	0.003	0.000	2517.8342	
8640 minute winter	14	4320	9.524	0.224	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.006	-0.005	0.8136	
8640 minute winter	15	4440	9.524	0.438	0.8	3.4757	0.0000	FLOOD RISK	2.001	16	0.8	0.248	0.017	0.9254	
8640 minute winter	16	4380	9.524	0.533	0.8	0.0000	0.0000	FLOOD RISK	2.002	17	0.8	0.256	0.016	0.6320	
8640 minute winter	17	4380	9.524	0.665	1.2	2.0648	0.0000	FLOOD RISK	2.003	18	1.2	0.271	0.015	1.8750	
8640 minute winter	18	4320	9.524	0.843	2.2	5.3058	0.0000	FLOOD RISK	2.004	19	2.2	0.285	0.018	5.4890	
8640 minute winter	19	4440	9.524	1.068	4.0	9.8344	0.0000	FLOOD RISK	2.005	20	4.0	0.262	0.020	4.0628	
8640 minute winter	20	4440	9.524	1.113	4.0	0.0000	0.0000	FLOOD RISK	2.006	21	4.0	0.359	0.020	3.4979	
8640 minute winter	21	4380	9.524	1.152	4.0	0.0000	0.0000	FLOOD RISK	2.007	22	4.0	0.357	0.007	3.7404	
8640 minute winter	22	4380	9.524	1.524	5.2	8.5218	0.0000	FLOOD RISK	2.008	23	5.2	0.130	0.018	53.3017	
8640 minute winter	23	1200	7.750	1.000	5.2	0.0000	0.0000	FLOOD RISK	2.009	24	5.2	0.045	0.028	0.2457	
8640 minute winter	24	4380	9.524	0.024	5.2	0.0000	0.0000	OK	2.010	24_OUT	5.2	1.591	0.004	0.0196	
8640 minute winter	24_OUT	8520	7.802	0.269	5.2	0.0000	0.0000	OK	Flow through pond	49	26.6	0.003	0.000	2517.8342	
8640 minute winter	25	3120	8.804	0.008	0.1	0.0052	0.0000	OK	3.000	26	0.1	0.240	0.008	0.0148	
8640 minute winter	26	3120	8.445	0.010	0.2	0.0105	0.0000	OK	3.001	27	0.1	0.278	0.008	0.0177	
									Infiltration		0.1				
8640 minute winter	27	3120	8.124	0.009	0.2	0.0103	0.0000	OK	3.002	28	0.1	0.311	0.007	0.0141	
									Infiltration		0.1				
8640 minute winter	28	3120	7.704	0.009	0.2	0.0092	0.0000	OK	3.003	29	0.2	0.374	0.007	0.0168	
									Infiltration		0.1				
8640 minute winter	29	3120	7.075	0.010	0.3	0.0090	0.0000	OK	3.004	30	0.2	0.473	0.008	0.0033	
									Infiltration		0.0				
8640 minute winter	30	3120	6.830	0.005	0.2	0.0007	0.0000	OK	3.005	31	0.2	0.050	0.000	0.0561	
8640 minute winter	31	3120	6.701	0.006	0.2	0.0007	0.0000	OK	3.006	32	0.2	0.050	0.000	0.0508	
									Infiltration		0.0				

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8640 minute winter	32	3240	6.858	0.011	0.2	0.0014	0.0000	OK	3.007	33	0.0	0.000	0.000	0.0402
									Infiltration		0.1			
									Infiltration		0.1			
8640 minute winter	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002
8640 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	35	60	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
8640 minute winter	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003
8640 minute winter	38	80	6.265	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
									Infiltration		0.0			
8640 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	40	80	6.895	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	43	80	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002
8640 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	46	80	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	47	60	6.965	0.000	0.0	0.0000	0.0000	OK	3.022	48	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	48	60	6.795	0.000	0.0	0.0000	0.0000	OK	3.023	53	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	49	8880	7.799	-0.251	28.8	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
8640 minute winter	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
8640 minute winter	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
8640 minute winter	52	80	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
8640 minute winter	53	80	6.785	0.000	0.0	0.0000	0.0000	OK	3.024	54	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	54	60	6.525	0.000	0.0	0.0000	0.0000	OK	3.025	54_OUT	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

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8640 minute winter	55	4320	8.459	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111
8640 minute winter	56	4320	8.428	0.012	0.2	0.0149	0.0000	OK	5.001	57	0.2	0.182	0.012	0.0180
									Infiltration		0.0			
8640 minute winter	57	4320	8.327	0.017	0.3	0.0136	0.0000	OK	5.002	58	0.2	0.177	0.027	0.0378
									Infiltration		0.0			
8640 minute winter	58	4440	8.265	0.020	0.3	0.0326	0.0000	OK	5.003	59	0.2	0.299	0.028	0.0224
									Infiltration		0.1			
8640 minute winter	59	4320	8.217	0.012	0.3	0.0157	0.0000	OK	5.004	60	0.2	0.041	0.000	0.2897
									Infiltration		0.1			
8640 minute winter	60	4440	8.206	0.021	0.3	0.0070	0.0000	OK	5.005	61	0.3	0.026	0.000	1.1405
									Infiltration		0.1			
8640 minute winter	61	4440	8.205	0.059	0.4	0.0238	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
8640 minute winter	62	4380	8.140	0.004	0.1	0.0013	0.0000	OK	5.007	63	0.1	0.040	0.000	0.5655
8640 minute winter	63	4440	7.865	0.029	0.2	0.0099	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	0.9338
									Infiltration		0.0			
8640 minute winter	63_OUT	4440	7.865	0.150	0.2	0.0341	0.0000	OK	Infiltration		0.2			
8640 minute winter	64	60	6.185	0.000	0.0	0.0000	0.0000	OK	6.000	65	0.0	0.000	0.000	0.0002
8640 minute winter	65	60	6.125	0.000	0.0	0.0000	0.0000	OK	6.001	66	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	66	60	6.093	0.000	0.0	0.0000	0.0000	OK	6.002	67	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
8640 minute winter	67	60	6.076	0.000	0.0	0.0000	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
8640 minute winter	68	60	6.078	0.000	0.0	0.0000	0.0000	OK	6.004	69	0.0	0.000	0.000	0.0004
8640 minute winter	69	60	5.765	0.000	0.0	0.0000	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
8640 minute winter	70	60	5.755	0.000	0.0	0.0000	0.0000	OK	6.006	71	0.0	0.000	0.000	0.0001
8640 minute winter	71	60	5.685	0.000	0.0	0.0000	0.0000	OK	6.007	72	0.0	0.000	0.000	0.0004
									Infiltration		0.0			
8640 minute winter	72	60	5.685	0.000	0.0	0.0000	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
8640 minute winter	73	60	5.705	0.000	0.0	0.0000	0.0000	OK	6.009	74	0.0	0.000	0.000	0.0001
8640 minute winter	74	60	5.705	0.000	0.0	0.0000	0.0000	OK	6.010	75	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
8640 minute winter	75	60	5.705	0.000	0.0	0.0000	0.0000	OK	6.011	76	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
8640 minute winter	76	60	5.835	0.000	0.0	0.0000	0.0000	OK	6.012	76_OUT	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
8640 minute winter	76_OUT	60	5.835	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

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Results for 2 year 10080 minute summer, 10320 minute analysis at 60 minute timestep, Mass balance: 98.92%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	1	5100	9.530	0.230	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.016	-0.004	0.4653	
10080 minute summer	2	5100	9.529	0.279	0.2	0.0000	0.0000	FLOOD RISK	1.001	3	-0.2	-0.013	-0.011	1.1264	
10080 minute summer	3	5040	9.529	0.379	0.4	0.0000	0.0000	FLOOD RISK	1.002	4	-0.4	-0.020	-0.019	0.4366	
10080 minute summer	4	5040	9.529	0.429	0.4	0.0000	0.0000	FLOOD RISK	1.003	5	-0.4	-0.015	-0.019	0.8441	
10080 minute summer	5	5040	9.529	0.529	0.5	0.0000	0.0000	FLOOD RISK	1.004	6	-0.5	-0.015	-0.013	0.1621	
10080 minute summer	6	5100	9.529	0.629	1.4	5.1885	0.0000	FLOOD RISK	1.005	7	1.4	0.291	0.029	0.7796	
10080 minute summer	7	5100	9.529	0.779	2.2	3.1763	0.0000	FLOOD RISK	1.006	8	2.2	0.255	0.032	2.4823	
10080 minute summer	8	5040	9.529	0.979	3.8	6.7210	0.0000	FLOOD RISK	1.007	9	3.9	0.258	0.036	5.9230	
10080 minute summer	9	5040	9.529	1.179	6.6	11.4648	0.0000	FLOOD RISK	1.008	10	6.5	0.240	0.027	3.1360	
10080 minute summer	10	5040	9.529	1.229	7.0	2.1795	0.0000	FLOOD RISK	1.009	11	7.0	0.210	0.047	47.8613	
10080 minute summer	11	5100	9.528	1.528	7.0	0.0000	0.0000	FLOOD RISK	1.010	12	7.0	0.199	0.024	53.3278	
10080 minute summer	12	1440	7.750	1.000	7.0	0.0000	0.0000	FLOOD RISK	1.011	13	7.0	0.060	0.036	0.2465	
10080 minute summer	13	5100	9.527	0.027	7.0	0.0000	0.0000	OK	1.012	13_OUT	7.0	1.734	0.005	0.0242	
10080 minute summer	13_OUT	10080	7.792	0.259	7.0	0.0000	0.0000	OK	Flow through pond	49	14.5	0.062	0.000	2430.0720	
10080 minute summer	14	5100	9.528	0.228	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.005	-0.004	0.8136	
10080 minute summer	15	5040	9.528	0.442	1.1	3.5050	0.0000	FLOOD RISK	2.001	16	1.1	0.248	0.023	0.9254	
10080 minute summer	16	5040	9.528	0.537	1.1	0.0000	0.0000	FLOOD RISK	2.002	17	1.1	0.258	0.022	0.8326	
10080 minute summer	17	5040	9.528	0.669	1.7	2.0761	0.0000	FLOOD RISK	2.003	18	1.7	0.271	0.022	1.8750	
10080 minute summer	18	5100	9.528	0.847	3.0	5.3288	0.0000	FLOOD RISK	2.004	19	3.0	0.285	0.024	5.4890	
10080 minute summer	19	5040	9.528	1.072	5.3	9.6669	0.0000	FLOOD RISK	2.005	20	5.3	0.242	0.027	4.0628	
10080 minute summer	20	5100	9.528	1.117	5.3	0.0000	0.0000	FLOOD RISK	2.006	21	5.3	0.324	0.027	3.4979	
10080 minute summer	21	5100	9.528	1.158	5.3	0.0000	0.0000	FLOOD RISK	2.007	22	5.3	0.332	0.009	3.7404	
10080 minute summer	22	5100	9.528	1.528	6.8	6.6370	0.0000	FLOOD RISK	2.008	23	6.8	0.114	0.024	53.3017	
10080 minute summer	23	1500	7.750	1.000	6.8	0.0000	0.0000	FLOOD RISK	2.009	24	6.8	0.058	0.035	0.2466	
10080 minute summer	24	5100	9.527	0.027	6.8	0.0000	0.0000	OK	2.010	24_OUT	6.8	1.720	0.005	0.0237	
10080 minute summer	24_OUT	10080	7.792	0.259	6.8	0.0000	0.0000	OK	Flow through pond	49	14.5	0.062	0.000	2430.0720	
10080 minute summer	25	4140	8.804	0.008	0.1	0.0052	0.0000	OK	3.000	26	0.1	0.240	0.005	0.0148	
10080 minute summer	26	4140	8.445	0.010	0.2	0.0105	0.0000	OK	3.001	27	0.1	0.278	0.008	0.0177	
									Infiltration		0.1				
10080 minute summer	27	4140	8.124	0.009	0.2	0.0103	0.0000	OK	3.002	28	0.1	0.311	0.007	0.0141	
									Infiltration		0.1				
10080 minute summer	28	4140	7.764	0.009	0.2	0.0092	0.0000	OK	3.003	29	0.2	0.374	0.007	0.0188	
									Infiltration		0.1				
10080 minute summer	29	4140	7.075	0.010	0.3	0.0090	0.0000	OK	3.004	30	0.2	0.473	0.008	0.0033	
									Infiltration		0.0				
10080 minute summer	30	4140	6.830	0.005	0.2	0.0007	0.0000	OK	3.005	31	0.2	0.080	0.000	0.0561	
10080 minute summer	31	4140	6.701	0.006	0.2	0.0007	0.0000	OK	3.006	32	0.2	0.050	0.000	0.0608	
									Infiltration		0.0				
10080 minute summer	32	4260	6.656	0.011	0.2	0.0014	0.0000	OK	3.007	33	0.0	0.060	0.000	0.0402	

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									Infiltration		0.1					
									Infiltration		0.1					
10080 minute summer	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002		
10080 minute summer	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002		
									Infiltration		0.0					
10080 minute summer	35	60	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002		
									Infiltration		0.0					
10080 minute summer	36	60	6.595	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000		
									Infiltration		0.0					
10080 minute summer	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003		
10080 minute summer	38	60	6.265	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002		
									Infiltration		0.0					
									Infiltration		0.0					
10080 minute summer	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002		
									Infiltration		0.0					
10080 minute summer	40	60	6.695	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002		
									Infiltration		0.0					
10080 minute summer	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002		
									Infiltration		0.0					
10080 minute summer	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002		
									Infiltration		0.0					
10080 minute summer	43	60	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002		
									Infiltration		0.0					
10080 minute summer	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002		
10080 minute summer	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002		
									Infiltration		0.0					
10080 minute summer	46	60	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.0002		
									Infiltration		0.0					
10080 minute summer	47	60	6.965	0.000	0.0	0.0000	0.0000	OK	3.022	48	0.0	0.000	0.000	0.0002		
									Infiltration		0.0					
10080 minute summer	48	60	6.795	0.000	0.0	0.0000	0.0000	OK	3.023	53	0.0	0.000	0.000	0.0002		
									Infiltration		0.0					
10080 minute summer	49	10200	7.789	-0.211	17.8	0.0000	0.0000	OK	Orifice	50	0.0					
									Infiltration		0.0					
10080 minute summer	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000		
10080 minute summer	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000		
10080 minute summer	52	60	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000		
10080 minute summer	53	60	6.785	0.000	0.0	0.0000	0.0000	OK	3.024	54	0.0	0.000	0.000	0.0002		
									Infiltration		0.0					
10080 minute summer	54	60	6.625	0.000	0.0	0.0000	0.0000	OK	3.025	54_OUT	0.0	0.000	0.000	0.0002		
									Infiltration		0.0					
10080 minute summer	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0					
10080 minute summer	55	4860	8.459	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111		
10080 minute summer	56	4860	8.428	0.012	0.2	0.0149	0.0000	OK	5.001	57	0.2	0.182	0.012	0.0180		

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									Infiltration		0.0				
10080 minute summer	57	4860	8.327	0.017	0.3	0.0138	0.0000	OK	S.002	S8	0.2	0.177	0.027	0.0378	
									Infiltration		0.0				
10080 minute summer	58	4980	8.285	0.020	0.3	0.0328	0.0000	OK	S.003	S9	0.2	0.209	0.028	0.0224	
									Infiltration		0.1				
10080 minute summer	59	4860	8.217	0.012	0.3	0.0157	0.0000	OK	S.004	S0	0.2	0.041	0.000	0.3348	
									Infiltration		0.1				
10080 minute summer	60	5340	8.210	0.025	0.3	0.0086	0.0000	OK	S.005	S1	0.3	0.028	0.000	1.2704	
									Infiltration		0.1				
10080 minute summer	61	5340	8.210	0.074	0.4	0.0252	0.0000	OK	S.006	S2	0.0	0.000	0.000	0.0000	
									Infiltration		0.3				
10080 minute summer	62	4920	8.140	0.004	0.1	0.0013	0.0000	OK	S.007	S3	0.1	0.040	0.000	1.0092	
10080 minute summer	63	5340	7.889	0.053	0.2	0.0178	0.0000	OK	S.008	S3_OUT	0.1	0.014	0.000	1.3108	
									Infiltration		0.1				
10080 minute summer	63_OUT	5340	7.889	0.124	0.2	0.0429	0.0000	OK	Infiltration		0.2				
10080 minute summer	64	60	5.185	0.000	0.0	0.0000	0.0000	OK	S.000	S5	0.0	0.000	0.000	0.0002	
10080 minute summer	65	60	5.125	0.000	0.0	0.0000	0.0000	OK	S.001	S6	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute summer	66	60	5.093	0.000	0.0	0.0000	0.0000	OK	S.002	S7	0.0	0.000	0.000	0.0001	
									Infiltration		0.0				
10080 minute summer	67	60	5.078	0.000	0.0	0.0000	0.0000	OK	S.003	S8	0.0	0.000	0.000	0.0000	
									Infiltration		0.0				
10080 minute summer	68	60	5.075	0.000	0.0	0.0000	0.0000	OK	S.004	S9	0.0	0.000	0.000	0.0004	
10080 minute summer	69	60	5.765	0.000	0.0	0.0000	0.0000	OK	S.005	S0	0.0	0.000	0.000	0.0000	
									Infiltration		0.0				
10080 minute summer	70	60	5.755	0.000	0.0	0.0000	0.0000	OK	S.006	S1	0.0	0.000	0.000	0.0001	
10080 minute summer	71	60	5.685	0.000	0.0	0.0000	0.0000	OK	S.007	S2	0.0	0.000	0.000	0.0004	
									Infiltration		0.0				
10080 minute summer	72	60	5.685	0.000	0.0	0.0000	0.0000	OK	S.008	S3	0.0	0.000	0.000	0.0000	
									Infiltration		0.0				
10080 minute summer	73	60	5.705	0.000	0.0	0.0000	0.0000	OK	S.009	S4	0.0	0.000	0.000	0.0001	
10080 minute summer	74	60	5.705	0.000	0.0	0.0000	0.0000	OK	S.010	S5	0.0	0.000	0.000	0.0001	
									Infiltration		0.0				
10080 minute summer	75	60	5.705	0.000	0.0	0.0000	0.0000	OK	S.011	S6	0.0	0.000	0.000	0.0001	
									Infiltration		0.0				
10080 minute summer	76	60	5.635	0.000	0.0	0.0000	0.0000	OK	S.012	S6_OUT	0.0	0.000	0.000	0.0001	
									Infiltration		0.0				
10080 minute summer	76_OUT	60	5.635	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0				

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Results for 2 year 10080 minute winter, 10320 minute analysis at 60 minute timestep. Mass balance: 97.33%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	1	4980	9.525	0.225	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.005	-0.005	0.4653	
10080 minute winter	2	4980	9.525	0.275	0.3	0.0000	0.0000	FLOOD RISK	1.001	3	-0.3	-0.014	-0.016	1.1264	
10080 minute winter	3	4860	9.525	0.375	0.4	0.0000	0.0000	FLOOD RISK	1.002	4	-0.4	-0.013	-0.019	0.4986	
10080 minute winter	4	5280	9.525	0.425	0.5	0.0000	0.0000	FLOOD RISK	1.003	5	-0.5	-0.017	-0.020	0.8441	
10080 minute winter	5	5220	9.525	0.525	0.5	0.0000	0.0000	FLOOD RISK	1.004	6	-0.5	-0.018	-0.013	0.1621	
10080 minute winter	6	5280	9.525	0.625	1.0	5.1503	0.0000	FLOOD RISK	1.005	7	1.0	0.291	0.021	0.7796	
10080 minute winter	7	5280	9.525	0.775	1.6	3.1575	0.0000	FLOOD RISK	1.006	8	1.7	0.286	0.024	2.4923	
10080 minute winter	8	4860	9.525	0.975	2.8	6.6883	0.0000	FLOOD RISK	1.007	9	2.8	0.257	0.026	5.9236	
10080 minute winter	9	4980	9.525	1.175	4.8	11.4210	0.0000	FLOOD RISK	1.008	10	4.7	0.249	0.029	3.1366	
10080 minute winter	10	4980	9.524	1.224	5.1	2.1710	0.0000	FLOOD RISK	1.009	11	5.1	0.218	0.035	47.8613	
10080 minute winter	11	4980	9.524	1.524	5.1	0.0000	0.0000	FLOOD RISK	1.010	12	5.1	0.119	0.018	53.3278	
10080 minute winter	12	1260	7.750	1.000	5.1	0.0000	0.0000	FLOOD RISK	1.011	13	5.1	0.044	0.026	0.2455	
10080 minute winter	13	5280	9.523	0.923	5.1	0.0000	0.0000	OK	1.012	13_OUT	5.1	1.582	0.004	0.0193	
10080 minute winter	13_OUT	9960	7.831	0.297	5.1	0.0000	0.0000	OK	Flow through pond	49	13.8	0.002	0.000	2774.0469	
10080 minute winter	14	4980	9.524	0.224	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.004	-0.004	0.8136	
10080 minute winter	15	5100	9.524	0.436	0.8	3.4720	0.0000	FLOOD RISK	2.001	16	0.8	0.248	0.017	0.9254	
10080 minute winter	16	5100	9.524	0.533	0.8	0.0000	0.0000	FLOOD RISK	2.002	17	0.8	0.258	0.016	0.6320	
10080 minute winter	17	5160	9.524	0.665	1.2	2.0634	0.0000	FLOOD RISK	2.003	18	1.2	0.271	0.015	1.8750	
10080 minute winter	18	5160	9.524	0.843	2.2	5.3029	0.0000	FLOOD RISK	2.004	19	2.2	0.285	0.017	5.4896	
10080 minute winter	19	5040	9.524	1.068	3.9	9.6303	0.0000	FLOOD RISK	2.005	20	3.9	0.251	0.029	4.0628	
10080 minute winter	20	5040	9.524	1.113	3.9	0.0000	0.0000	FLOOD RISK	2.006	21	3.9	0.324	0.020	3.4979	
10080 minute winter	21	5160	9.524	1.152	3.9	0.0000	0.0000	FLOOD RISK	2.007	22	3.9	0.357	0.007	3.7404	
10080 minute winter	22	5100	9.524	1.524	5.0	5.6195	0.0000	FLOOD RISK	2.008	23	5.0	0.179	0.017	53.3017	
10080 minute winter	23	1260	7.750	1.000	5.0	0.0000	0.0000	FLOOD RISK	2.009	24	5.0	0.043	0.025	0.2456	
10080 minute winter	24	5040	9.523	0.923	5.0	0.0000	0.0000	OK	2.010	24_OUT	5.0	1.574	0.004	0.0190	
10080 minute winter	24_OUT	9960	7.831	0.297	5.0	0.0000	0.0000	OK	Flow through pond	49	13.8	0.002	0.000	2774.0469	
10080 minute winter	25	3720	8.804	0.008	0.1	0.0052	0.0000	OK	3.000	26	0.1	0.240	0.006	0.0148	
10080 minute winter	26	3720	8.445	0.010	0.2	0.0105	0.0000	OK	3.001	27	0.1	0.278	0.008	0.0177	
									Infiltration		0.1				
10080 minute winter	27	3720	8.124	0.009	0.2	0.0103	0.0000	OK	3.002	28	0.1	0.311	0.007	0.0141	
									Infiltration		0.1				
10080 minute winter	28	3720	7.704	0.009	0.2	0.0092	0.0000	OK	3.003	29	0.2	0.374	0.007	0.0168	
									Infiltration		0.1				
10080 minute winter	29	3720	7.075	0.010	0.3	0.0090	0.0000	OK	3.004	30	0.2	0.473	0.008	0.0033	
									Infiltration		0.0				
10080 minute winter	30	3720	6.830	0.005	0.2	0.0007	0.0000	OK	3.005	31	0.2	0.080	0.000	0.0581	
10080 minute winter	31	3720	6.701	0.006	0.2	0.0007	0.0000	OK	3.006	32	0.2	0.050	0.000	0.0608	
									Infiltration		0.0				

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10080 minute winter	32	3840	6.656	0.011	0.2	0.0014	0.0000	OK	3.007	33	0.0	0.000	0.000	0.0402	
									Infiltration		0.1				
									Infiltration		0.1				
10080 minute winter	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002	
10080 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	35	60	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.0				
10080 minute winter	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003	
10080 minute winter	38	60	6.255	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
									Infiltration		0.0				
10080 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	40	60	6.695	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	43	60	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002	
10080 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	46	60	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	47	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.022	48	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	48	60	6.795	0.000	0.0	0.0000	0.0000	OK	3.023	53	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	49	10320	7.827	-0.173	18.3	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
10080 minute winter	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
10080 minute winter	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
10080 minute winter	52	60	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
10080 minute winter	53	60	6.735	0.000	0.0	0.0000	0.0000	OK	3.024	54	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	54	60	6.625	0.000	0.0	0.0000	0.0000	OK	3.025	54_OUT	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0				

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10080 minute winter	55	60	8.446	0.000	0.0	0.0000	0.0000	OK	5.000	56	0.0	0.000	0.000	0.0000
10080 minute winter	56	60	8.416	0.000	0.0	0.0000	0.0000	OK	5.001	57	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
10080 minute winter	57	60	8.310	0.000	0.0	0.0000	0.0000	OK	5.002	58	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
10080 minute winter	58	60	8.245	0.000	0.0	0.0000	0.0000	OK	5.003	59	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
10080 minute winter	59	60	8.205	0.000	0.0	0.0000	0.0000	OK	5.004	60	0.0	0.000	0.000	0.0005
									Infiltration		0.0			
10080 minute winter	60	60	8.185	0.000	0.0	0.0000	0.0000	OK	5.005	61	0.0	0.000	0.000	0.0007
									Infiltration		0.0			
10080 minute winter	61	60	8.136	0.000	0.0	0.0000	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
10080 minute winter	62	60	8.136	0.000	0.0	0.0000	0.0000	OK	5.007	63	0.0	0.000	0.000	0.0010
10080 minute winter	63	60	7.836	0.000	0.0	0.0000	0.0000	OK	5.008	63_OUT	0.0	0.000	0.000	0.0004
									Infiltration		0.0			
10080 minute winter	63_OUT	60	7.765	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			
10080 minute winter	64	60	8.155	0.000	0.0	0.0000	0.0000	OK	5.000	65	0.0	0.000	0.000	0.0002
10080 minute winter	65	60	8.125	0.000	0.0	0.0000	0.0000	OK	5.001	66	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
10080 minute winter	66	60	8.093	0.000	0.0	0.0000	0.0000	OK	5.002	67	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
10080 minute winter	67	60	8.076	0.000	0.0	0.0000	0.0000	OK	5.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
10080 minute winter	68	60	8.076	0.000	0.0	0.0000	0.0000	OK	5.004	69	0.0	0.000	0.000	0.0004
10080 minute winter	69	60	5.765	0.000	0.0	0.0000	0.0000	OK	5.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
10080 minute winter	70	60	5.755	0.000	0.0	0.0000	0.0000	OK	5.006	71	0.0	0.000	0.000	0.0001
10080 minute winter	71	60	5.655	0.000	0.0	0.0000	0.0000	OK	5.007	72	0.0	0.000	0.000	0.0004
									Infiltration		0.0			
10080 minute winter	72	60	5.685	0.000	0.0	0.0000	0.0000	OK	5.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
10080 minute winter	73	60	5.705	0.000	0.0	0.0000	0.0000	OK	5.009	74	0.0	0.000	0.000	0.0001
10080 minute winter	74	60	5.705	0.000	0.0	0.0000	0.0000	OK	5.010	75	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
10080 minute winter	75	60	5.705	0.000	0.0	0.0000	0.0000	OK	5.011	76	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
10080 minute winter	76	60	5.635	0.000	0.0	0.0000	0.0000	OK	5.012	76_OUT	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
10080 minute winter	76_OUT	60	5.635	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

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Results for 30 year 15 minute summer. 355 minute analysis at 1 minute timestep. Mass balance: 83.82%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	1	11	9.800	0.500	13.1	0.0000	0.0000	FLOOD RISK	1.000	2	-13.1	-0.420	-0.600	0.4653	
15 minute summer	2	11	9.800	0.550	24.0	0.0000	0.0000	FLOOD RISK	1.001	3	-24.0	-0.875	-1.205	1.1264	
15 minute summer	3	11	9.800	0.650	31.5	0.0000	0.0000	FLOOD RISK	1.002	4	-31.5	-1.007	-1.490	0.4988	
15 minute summer	4	11	9.800	0.750	39.4	0.0000	0.0000	FLOOD RISK	1.003	5	-39.4	-1.259	-1.712	0.8441	
15 minute summer	5	10	9.800	0.800	45.3	0.0000	0.0000	FLOOD RISK	1.004	6	-45.3	-1.448	-1.212	0.1621	
15 minute summer	6	10	9.800	0.900	129.9	15.4182	0.0000	FLOOD RISK	1.005	7	55.6	1.195	1.148	0.7736	
15 minute summer	7	10	9.800	1.050	103.5	8.0817	0.0000	FLOOD RISK	1.006	8	98.1	1.251	1.398	2.4923	
15 minute summer	8	10	9.800	1.250	224.7	14.5758	0.0000	FLOOD RISK	1.007	9	192.3	1.537	1.778	5.9230	
15 minute summer	9	11	9.800	1.450	425.6	21.8310	0.0000	FLOOD RISK	1.008	10	379.7	1.841	1.662	3.1360	
15 minute summer	10	12	9.800	1.500	424.1	4.0510	0.0000	FLOOD RISK	1.009	11	361.3	1.892	2.445	47.8813	
15 minute summer	11	13	9.800	1.800	361.3	0.0000	0.0000	FLOOD RISK	1.010	12	255.5	1.511	0.887	53.3278	
15 minute summer	12	12	7.750	1.000	255.5	0.0000	0.0000	FLOOD RISK	1.011	13	311.8	2.055	1.588	0.3211	
15 minute summer	13	16	9.682	0.182	311.8	0.0000	0.0000	OK	1.012	13_OUT	185.4	4.595	0.150	0.3114	
15 minute summer	13_OUT	13	7.933	0.400	185.4	0.0000	0.0000	OK	Flow through pond	49	395.7	0.159	0.000	411.4972	
15 minute summer	14	11	9.800	0.500	16.2	0.0000	0.0000	FLOOD RISK	2.000	15	-16.2	-0.519	-0.539	0.8136	
15 minute summer	15	10	9.800	0.714	135.2	20.4733	0.0000	FLOOD RISK	2.001	16	57.3	1.220	1.182	0.9254	
15 minute summer	16	10	9.800	0.809	57.3	0.0000	0.0000	FLOOD RISK	2.002	17	61.4	1.256	1.247	0.6329	
15 minute summer	17	10	9.800	0.941	92.4	8.3719	0.0000	FLOOD RISK	2.003	18	83.8	1.121	1.072	1.8750	
15 minute summer	18	10	9.800	1.119	196.3	17.8262	0.0000	FLOOD RISK	2.004	19	175.2	1.400	1.392	5.4690	
15 minute summer	19	10	9.800	1.344	377.8	26.0575	0.0000	FLOOD RISK	2.005	20	354.1	1.891	1.846	4.0828	
15 minute summer	20	10	9.800	1.389	364.1	0.0000	0.0000	FLOOD RISK	2.006	21	361.2	2.307	1.825	3.4978	
15 minute summer	21	10	9.800	1.428	361.2	0.0000	0.0000	FLOOD RISK	2.007	22	284.9	2.129	0.478	3.7404	
15 minute summer	22	10	9.800	1.800	415.5	13.7470	0.0000	FLOOD RISK	2.008	23	308.1	1.565	1.063	53.3017	
15 minute summer	23	9	7.750	1.000	306.1	0.0000	0.0000	FLOOD RISK	2.009	24	422.7	2.572	2.153	0.3543	
15 minute summer	24	14	8.737	0.237	422.7	0.0000	0.0000	OK	2.010	24_OUT	364.7	6.867	0.295	0.4670	
15 minute summer	24_OUT	13	8.180	0.646	364.7	0.0000	0.0000	OK	Flow through pond	49	395.7	0.159	0.000	411.4972	
15 minute summer	25	10	8.881	0.055	11.2	0.0543	0.0000	OK	3.000	26	11.0	0.839	0.816	0.4898	
15 minute summer	26	12	8.598	0.181	22.2	1.2263	0.0000	SURCHARGED	3.001	27	16.2	0.990	1.023	0.7028	
									Infiltration		1.6				
15 minute summer	27	13	8.285	0.170	27.4	1.7238	0.0000	SURCHARGED	3.002	28	20.1	1.201	0.994	0.5744	
									Infiltration		2.1				
15 minute summer	28	13	7.899	0.204	31.3	1.5030	0.0000	SURCHARGED	3.003	29	22.7	1.342	0.964	0.6315	
									Infiltration		1.7				
15 minute summer	29	12	7.280	0.215	33.5	1.3397	0.0000	SURCHARGED	3.004	30	27.8	1.628	1.000	0.1182	
									Infiltration		1.4				
15 minute summer	30	20	6.986	0.151	28.4	0.0193	0.0000	OK	3.005	31	28.9	0.375	0.012	3.2937	
15 minute summer	31	20	6.986	0.291	30.9	0.0350	0.0000	OK	3.006	32	26.8	0.233	0.015	3.6068	
									Infiltration		1.7				

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15 minute summer	32	20	6.987	0.342	28.4	0.0410	0.0000	OK	3.007	33	23.9	0.187	0.018	3.0479
									Infiltration		1.4			
									Infiltration		1.5			
15 minute summer	33	20	6.986	0.211	25.5	0.0253	0.0000	OK	3.008	34	24.0	0.378	0.017	2.1824
15 minute summer	34	20	6.987	0.242	25.8	0.0291	0.0000	OK	3.009	35	17.4	0.370	0.007	2.1329
									Infiltration		1.2			
15 minute summer	35	19	6.988	0.313	19.4	0.0376	0.0000	OK	3.010	36	10.8	0.101	0.003	4.5569
									Infiltration		1.0			
15 minute summer	36	20	6.988	0.463	12.8	0.0550	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.8			
15 minute summer	37	18	6.540	0.035	2.1	0.0042	0.0000	OK	3.012	38	2.0	0.074	0.001	2.5263
15 minute summer	38	18	6.540	0.275	14.2	0.0330	0.0000	OK	3.013	39	-10.2	-0.177	-0.007	1.8441
									Infiltration		1.1			
									Infiltration		1.6			
15 minute summer	39	17	6.540	0.085	10.7	0.0102	0.0000	OK	3.014	40	-8.7	-0.404	-0.006	0.4024
									Infiltration		0.3			
15 minute summer	40	11	6.731	0.036	8.8	0.0043	0.0000	OK	3.015	41	-8.9	-0.354	-0.005	0.2477
									Infiltration		0.0			
15 minute summer	41	11	6.893	0.034	7.0	0.0041	0.0000	OK	3.016	42	-5.0	-0.312	-0.003	0.2085
									Infiltration		0.0			
15 minute summer	42	11	7.111	0.028	5.2	0.0032	0.0000	OK	3.017	43	-3.2	-0.206	-0.002	0.2022
									Infiltration		0.1			
15 minute summer	43	11	7.177	0.032	3.3	0.0038	0.0000	OK	3.018	44	-1.2	-0.103	-0.001	0.1577
									Infiltration		0.0			
15 minute summer	44	11	7.240	0.015	2.1	0.0018	0.0000	OK	3.019	45	0.8	0.074	0.001	0.1291
15 minute summer	45	11	7.221	0.026	2.9	0.0031	0.0000	OK	3.020	46	2.7	0.191	0.001	0.1856
									Infiltration		0.1			
15 minute summer	46	11	7.153	0.028	4.7	0.0034	0.0000	OK	3.021	47	4.5	0.278	0.001	0.2311
									Infiltration		0.1			
15 minute summer	47	11	6.998	0.034	6.6	0.0041	0.0000	OK	3.022	48	6.4	0.215	0.002	0.4351
									Infiltration		0.0			
15 minute summer	48	12	6.871	0.076	8.4	0.0091	0.0000	OK	3.023	53	8.0	0.239	0.010	0.4813
									Infiltration		0.1			
15 minute summer	49	25	7.569	-0.431	478.3	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
15 minute summer	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
15 minute summer	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
15 minute summer	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
15 minute summer	53	20	6.845	0.060	9.5	0.0072	0.0000	OK	3.024	54	9.5	0.283	0.003	1.3538
									Infiltration		0.2			
15 minute summer	54	21	6.847	0.222	11.1	0.0286	0.0000	OK	3.025	54_OUT	7.1	0.109	0.003	3.3305
									Infiltration		0.2			
15 minute summer	54_OUT	20	6.847	0.342	8.7	0.0410	0.0000	OK	Infiltration		0.3			

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15 minute summer	55	12	8.586	0.140	6.0	0.0478	0.0000	OK	5.000	56	5.8	0.461	0.781	0.2907
15 minute summer	56	13	8.581	0.185	11.8	0.7232	0.0000	SURCHARGED	5.001	57	9.1	0.621	0.729	0.3709
									Infiltration		0.2			
15 minute summer	57	13	8.546	0.236	15.1	1.1278	0.0000	SURCHARGED	5.002	58	9.9	0.560	1.230	0.5462
									Infiltration		0.3			
15 minute summer	58	14	8.440	0.195	15.4	1.4237	0.0000	SURCHARGED	5.003	59	12.3	0.704	1.552	0.3905
									Infiltration		0.5			
15 minute summer	59	22	8.391	0.186	17.4	1.0438	0.0000	OK	5.004	60	12.6	0.199	0.018	4.7293
									Infiltration		0.3			
15 minute summer	60	22	8.391	0.206	18.3	0.0702	0.0000	OK	5.005	61	4.7	0.087	0.005	7.7023
									Infiltration		0.4			
15 minute summer	61	22	8.392	0.256	9.5	0.0869	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.6			
15 minute summer	62	12	8.176	0.040	6.0	0.0134	0.0000	OK	5.007	63	5.1	0.166	0.003	3.7201
15 minute summer	63	20	7.998	0.152	13.2	0.0551	0.0000	OK	5.008	63_OUT	-3.8	-0.078	-0.002	3.4313
									Infiltration		0.3			
15 minute summer	63_OUT	22	7.899	0.234	8.7	0.0794	0.0000	OK	Infiltration		0.3			
15 minute summer	64	19	6.312	0.127	2.8	0.0254	0.0000	OK	6.000	65	2.5	0.114	0.001	1.0817
15 minute summer	65	20	6.311	0.186	5.6	0.0298	0.0000	OK	6.001	66	-2.0	0.075	-0.001	1.7095
									Infiltration		0.1			
15 minute summer	66	19	6.311	0.218	4.4	0.0344	0.0000	OK	6.002	67	-1.8	0.034	-0.001	1.0458
									Infiltration		0.1			
15 minute summer	67	19	6.311	0.235	2.8	0.0365	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
15 minute summer	68	11	6.097	0.021	2.8	0.0032	0.0000	OK	6.004	69	2.7	0.087	0.001	2.2458
15 minute summer	69	20	5.983	0.218	5.4	0.0349	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
15 minute summer	70	20	5.834	0.079	2.8	0.0126	0.0000	OK	6.006	71	2.8	0.113	0.001	0.5533
15 minute summer	71	19	5.834	0.148	5.6	0.0238	0.0000	OK	6.007	72	0.9	0.028	0.001	2.3695
									Infiltration		0.1			
15 minute summer	72	18	5.834	0.149	3.7	0.0239	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
15 minute summer	73	19	5.822	0.217	2.8	0.0347	0.0000	OK	6.009	74	1.5	0.053	0.001	0.9293
15 minute summer	74	18	5.822	0.217	4.4	0.0347	0.0000	OK	6.010	75	1.5	0.116	0.001	1.0531
									Infiltration		0.1			
15 minute summer	75	20	5.922	0.217	4.3	0.0347	0.0000	OK	6.011	76	2.4	0.089	0.001	1.2335
									Infiltration		0.1			
15 minute summer	76	19	5.822	0.287	3.8	0.0438	0.0000	OK	6.012	76_OUT	-1.2	0.012	-0.001	1.3724
									Infiltration		0.1			
15 minute summer	76_OUT	19	5.923	0.288	2.8	0.0460	0.0000	OK	Infiltration		0.1			

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Results for 30 year 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 93.86%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	1	11	9.800	0.500	19.3	0.0000	0.0000	FLOOD RISK	1.000	2	-19.3	-0.724	-0.882	0.4653	
15 minute winter	2	11	9.800	0.550	25.8	0.0000	0.0000	FLOOD RISK	1.001	3	-25.8	-0.856	-1.348	1.1264	
15 minute winter	3	11	9.800	0.650	34.0	0.0000	0.0000	FLOOD RISK	1.002	4	-34.0	-1.066	-1.607	0.4986	
15 minute winter	4	10	9.800	0.700	40.1	0.0000	0.0000	FLOOD RISK	1.003	5	-40.1	-1.281	-1.742	0.8441	
15 minute winter	5	10	9.800	0.800	47.1	0.0000	0.0000	FLOOD RISK	1.004	6	-47.1	-1.505	-1.259	0.1621	
15 minute winter	6	10	9.800	0.900	136.5	20.0150	0.0000	FLOOD RISK	1.005	7	58.2	1.191	1.202	0.7796	
15 minute winter	7	10	9.800	1.050	167.9	10.2977	0.0000	FLOOD RISK	1.006	8	94.0	1.297	1.338	2.4923	
15 minute winter	8	10	9.800	1.250	234.7	18.2032	0.0000	FLOOD RISK	1.007	9	200.0	1.598	1.649	5.9230	
15 minute winter	9	11	9.800	1.450	445.5	28.9563	0.0000	FLOOD RISK	1.008	10	393.9	2.014	1.662	3.1360	
15 minute winter	10	11	9.800	1.500	440.0	4.9403	0.0000	FLOOD RISK	1.009	11	384.0	1.965	2.599	47.8613	
15 minute winter	11	13	9.800	1.500	384.0	0.0000	0.0000	FLOOD RISK	1.010	12	259.9	1.553	0.902	50.3278	
15 minute winter	12	12	7.750	1.000	259.9	0.0000	0.0000	FLOOD RISK	1.011	13	379.7	2.462	1.934	0.3228	
15 minute winter	13	15	9.684	0.184	379.7	0.0000	0.0000	OK	1.012	13_OUT	280.7	5.870	0.227	0.3216	
15 minute winter	13_OUT	16	8.023	0.490	280.7	0.0000	0.0000	OK	Flow through pond	48	421.8	0.146	0.000	497.9233	
15 minute winter	14	10	9.800	0.500	17.0	0.0000	0.0000	FLOOD RISK	2.000	15	-17.0	-0.542	-0.563	0.8138	
15 minute winter	15	10	9.800	0.714	163.7	23.6840	0.0000	FLOOD RISK	2.001	16	62.9	1.286	1.297	0.9254	
15 minute winter	16	10	9.800	0.809	75.2	0.0000	0.0000	FLOOD RISK	2.002	17	-75.2	-1.539	-1.527	0.6320	
15 minute winter	17	10	9.800	0.941	112.0	9.4720	0.0000	FLOOD RISK	2.003	18	92.4	1.186	1.181	1.8750	
15 minute winter	18	10	9.800	1.119	198.7	19.8930	0.0000	FLOOD RISK	2.004	19	155.5	1.242	1.235	5.4890	
15 minute winter	19	10	9.800	1.344	332.8	29.2327	0.0000	FLOOD RISK	2.005	20	310.9	1.897	1.577	4.0628	
15 minute winter	20	10	9.800	1.389	310.9	0.0000	0.0000	FLOOD RISK	2.006	21	302.0	2.168	1.525	3.4979	
15 minute winter	21	10	9.800	1.428	302.0	0.0000	0.0000	FLOOD RISK	2.007	22	268.7	2.062	0.485	3.7404	
15 minute winter	22	10	9.800	1.800	461.1	15.1281	0.0000	FLOOD RISK	2.008	23	335.3	1.715	1.164	53.3017	
15 minute winter	23	9	7.750	1.000	335.3	0.0000	0.0000	FLOOD RISK	2.009	24	496.7	3.364	2.530	0.3674	
15 minute winter	24	13	9.757	0.257	496.7	0.0000	0.0000	OK	2.010	24_OUT	399.3	7.084	0.323	0.4831	
15 minute winter	24_OUT	15	8.265	0.732	399.3	0.0000	0.0000	OK	Flow through pond	49	421.8	0.146	0.000	497.9233	
15 minute winter	25	10	8.854	0.068	11.8	0.0560	0.0000	OK	3.000	26	11.6	0.830	0.847	0.4956	
15 minute winter	26	12	8.811	0.175	23.4	1.4708	0.0000	SURCHARGED	3.001	27	16.6	0.938	1.047	0.7026	
									Infiltration		1.7				
15 minute winter	27	14	8.297	0.182	28.4	1.9846	0.0000	SURCHARGED	3.002	28	20.4	1.199	1.011	0.5744	
									Infiltration		2.2				
15 minute winter	28	13	7.913	0.218	32.2	1.8369	0.0000	SURCHARGED	3.003	29	22.8	1.354	0.968	0.8315	
									Infiltration		1.8				
15 minute winter	29	12	7.289	0.224	33.9	1.4598	0.0000	SURCHARGED	3.004	30	28.4	1.626	1.020	0.1183	
									Infiltration		1.5				
15 minute winter	30	21	7.012	0.187	30.1	0.0224	0.0000	OK	3.005	31	28.6	0.380	0.012	3.7963	
15 minute winter	31	21	7.013	0.318	31.7	0.0381	0.0000	OK	3.006	32	27.8	0.238	0.016	4.0298	
									Infiltration		1.8				

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15 minute winter	32	21	7.013	0.368	29.5	0.0441	0.0000	OK	3.007	33	24.9	0.187	0.017	3.4403
									Infiltration		1.5			
									Infiltration		1.6			
15 minute winter	33	20	7.013	0.238	26.6	0.0286	0.0000	OK	3.008	34	24.2	0.378	0.017	2.5206
15 minute winter	34	21	7.013	0.268	25.9	0.0322	0.0000	OK	3.009	35	20.2	0.395	0.005	2.4227
									Infiltration		1.2			
15 minute winter	35	20	7.016	0.341	22.3	0.0409	0.0000	OK	3.010	36	14.1	0.090	0.004	5.1180
									Infiltration		1.0			
15 minute winter	36	21	7.013	0.508	18.2	0.0580	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.7			
15 minute winter	37	17	6.563	0.058	2.5	0.0070	0.0000	OK	3.012	38	2.1	0.076	0.001	3.9385
15 minute winter	38	18	6.561	0.296	15.2	0.0355	0.0000	OK	3.013	39	-11.0	-0.170	-0.007	2.1128
									Infiltration		1.2			
									Infiltration		1.7			
15 minute winter	39	18	6.560	0.108	11.4	0.0129	0.0000	OK	3.014	40	-9.3	-0.413	-0.005	0.5079
									Infiltration		0.4			
15 minute winter	40	11	6.733	0.038	9.4	0.0045	0.0000	OK	3.015	41	-7.3	-0.371	-0.005	0.2579
									Infiltration		0.0			
15 minute winter	41	11	6.901	0.036	7.4	0.0043	0.0000	OK	3.016	42	-5.3	-0.318	-0.004	0.2186
									Infiltration		0.0			
15 minute winter	42	11	7.112	0.027	5.4	0.0033	0.0000	OK	3.017	43	-3.3	-0.210	-0.002	0.2094
									Infiltration		0.1			
15 minute winter	43	11	7.178	0.033	3.5	0.0039	0.0000	OK	3.018	44	-1.3	-0.195	-0.001	0.1629
									Infiltration		0.0			
15 minute winter	44	11	7.241	0.018	2.2	0.0019	0.0000	OK	3.019	45	0.8	0.075	0.001	0.1334
15 minute winter	45	11	7.222	0.027	3.0	0.0032	0.0000	OK	3.020	46	2.9	0.195	0.001	0.1922
									Infiltration		0.1			
15 minute winter	46	11	7.154	0.029	5.0	0.0035	0.0000	OK	3.021	47	4.9	0.285	0.002	0.2399
									Infiltration		0.1			
15 minute winter	47	11	7.000	0.035	7.0	0.0042	0.0000	OK	3.022	48	6.8	0.218	0.002	0.4508
									Infiltration		0.0			
15 minute winter	48	12	6.873	0.078	8.9	0.0093	0.0000	OK	3.023	53	8.5	0.246	0.011	0.8232
									Infiltration		0.1			
15 minute winter	49	30	7.578	-0.422	546.0	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
15 minute winter	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
15 minute winter	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
15 minute winter	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
15 minute winter	53	21	6.869	0.084	10.4	0.0101	0.0000	OK	3.024	54	10.2	0.299	0.003	1.6116
									Infiltration		0.2			
15 minute winter	54	18	6.859	0.244	11.9	0.0293	0.0000	OK	3.025	54_OUT	5.1	0.094	0.002	3.8954
									Infiltration		0.2			
15 minute winter	54_OUT	21	6.870	0.365	6.4	0.0438	0.0000	OK	Infiltration		0.3			

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15 minute winter	55	13	8.616	0.170	6.3	0.0577	0.0000	SURCHARGED	5.000	56	5.9	0.456	0.795	0.2949
15 minute winter	56	13	8.609	0.193	12.2	0.8708	0.0000	SURCHARGED	5.001	57	9.3	0.613	0.739	0.3709
									Infiltration		0.3			
15 minute winter	57	13	8.569	0.259	15.2	1.2784	0.0000	SURCHARGED	5.002	58	10.2	0.577	1.265	0.5462
									Infiltration		0.3			
15 minute winter	58	15	8.463	0.218	15.7	1.6375	0.0000	SURCHARGED	5.003	59	12.4	0.704	1.868	0.3806
									Infiltration		0.5			
15 minute winter	59	23	8.410	0.205	18.0	1.1637	0.0000	OK	5.004	60	13.6	0.202	0.919	5.3382
									Infiltration		0.3			
15 minute winter	60	23	8.411	0.226	19.5	0.0767	0.0000	OK	5.005	61	4.7	0.081	0.005	8.5655
									Infiltration		0.4			
15 minute winter	61	23	8.411	0.275	9.7	0.0935	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.6			
15 minute winter	62	11	8.177	0.041	6.3	0.0139	0.0000	OK	5.007	63	5.5	0.171	0.003	4.2549
15 minute winter	63	22	8.016	0.180	12.8	0.0612	0.0000	OK	5.008	63_OUT	-3.0	0.056	-0.002	3.8416
									Infiltration		0.4			
15 minute winter	63_OUT	23	8.017	0.252	6.3	0.0858	0.0000	OK	Infiltration		0.3			
15 minute winter	64	21	6.331	0.146	2.9	0.0233	0.0000	OK	6.000	65	2.0	0.116	0.001	1.2438
15 minute winter	65	19	6.331	0.206	5.2	0.0329	0.0000	OK	6.001	66	1.6	0.084	0.001	1.9335
									Infiltration		0.1			
15 minute winter	66	19	6.331	0.238	4.7	0.0377	0.0000	OK	6.002	67	-1.6	0.036	-0.001	1.1791
									Infiltration		0.2			
15 minute winter	67	19	6.331	0.256	2.9	0.0398	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
15 minute winter	68	11	6.097	0.021	2.9	0.0033	0.0000	OK	6.004	69	2.8	0.086	0.001	2.5454
15 minute winter	69	23	6.005	0.240	5.6	0.0384	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
15 minute winter	70	18	5.849	0.094	2.9	0.0150	0.0000	OK	6.006	71	2.6	0.109	0.001	0.7543
15 minute winter	71	18	5.848	0.163	5.4	0.0261	0.0000	OK	6.007	72	1.6	0.031	0.001	2.6856
									Infiltration		0.1			
15 minute winter	72	19	5.849	0.184	3.8	0.0262	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
15 minute winter	73	18	5.946	0.241	2.9	0.0385	0.0000	OK	6.009	74	1.7	0.051	0.001	1.0870
15 minute winter	74	20	5.946	0.241	4.6	0.0385	0.0000	OK	6.010	75	2.3	0.132	0.002	1.2093
									Infiltration		0.1			
15 minute winter	75	20	5.946	0.241	4.3	0.0386	0.0000	OK	6.011	76	2.0	0.094	0.001	1.3931
									Infiltration		0.1			
15 minute winter	76	19	5.946	0.311	4.2	0.0473	0.0000	OK	6.012	76_OUT	-1.4	0.012	-0.001	1.5332
									Infiltration		0.1			
15 minute winter	76_OUT	19	5.947	0.312	2.9	0.0499	0.0000	OK	Infiltration		0.1			

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Results for 30 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 91.96%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	1	19	9.800	0.500	9.6	0.0000	0.0000	FLOOD RISK	1.000	2	-9.6	-0.307	-0.439	0.4853	
30 minute summer	2	19	9.800	0.550	21.3	0.0000	0.0000	FLOOD RISK	1.001	3	-21.3	-0.809	-1.073	1.1264	
30 minute summer	3	18	9.800	0.650	30.4	0.0000	0.0000	FLOOD RISK	1.002	4	-30.4	-0.971	-1.436	0.4988	
30 minute summer	4	18	9.800	0.750	37.0	0.0000	0.0000	FLOOD RISK	1.003	5	-37.0	-1.182	-1.866	0.8441	
30 minute summer	5	17	9.800	0.800	42.5	0.0000	0.0000	FLOOD RISK	1.004	6	-42.5	-1.358	-1.137	0.1821	
30 minute summer	6	17	9.800	0.900	127.1	21.0345	0.0000	FLOOD RISK	1.005	7	55.7	1.178	1.150	0.7798	
30 minute summer	7	17	9.800	1.050	106.0	10.8245	0.0000	FLOOD RISK	1.006	8	78.9	1.112	1.124	2.4923	
30 minute summer	8	18	9.800	1.250	215.2	19.1099	0.0000	FLOOD RISK	1.007	9	181.1	1.447	1.674	5.9230	
30 minute summer	9	18	9.800	1.450	406.6	27.8937	0.0000	FLOOD RISK	1.008	10	382.2	1.852	1.528	3.1360	
30 minute summer	10	19	9.800	1.500	404.8	5.1021	0.0000	FLOOD RISK	1.009	11	323.0	1.710	2.186	47.8813	
30 minute summer	11	19	9.800	1.800	323.0	0.0000	0.0000	FLOOD RISK	1.010	12	226.8	1.204	0.788	53.3278	
30 minute summer	12	17	7.750	1.000	226.8	0.0000	0.0000	FLOOD RISK	1.011	13	383.1	2.538	1.951	0.3328	
30 minute summer	13	24	9.702	0.202	383.1	0.0000	0.0000	OK	1.012	13_OUT	298.9	6.095	0.242	0.3797	
30 minute summer	13_OUT	22	8.054	0.521	298.9	0.0000	0.0000	OK	Flow through pond	49	382.1	0.121	0.000	819.5430	
30 minute summer	14	17	9.800	0.500	14.9	0.0000	0.0000	FLOOD RISK	2.000	15	-14.9	-0.477	-0.495	0.8136	
30 minute summer	15	17	9.800	0.714	156.8	22.5588	0.0000	FLOOD RISK	2.001	16	-66.0	-1.350	-1.361	0.9254	
30 minute summer	16	17	9.800	0.809	81.4	0.0000	0.0000	FLOOD RISK	2.002	17	-81.4	-1.664	-1.652	0.6329	
30 minute summer	17	17	9.800	0.941	114.7	9.1041	0.0000	FLOOD RISK	2.003	18	87.8	1.136	1.124	1.8758	
30 minute summer	18	17	9.800	1.119	176.1	19.0676	0.0000	FLOOD RISK	2.004	19	145.1	1.221	1.153	5.4690	
30 minute summer	19	17	9.800	1.344	279.2	27.9820	0.0000	FLOOD RISK	2.005	20	251.2	1.512	1.274	4.0828	
30 minute summer	20	17	9.800	1.389	251.2	0.0000	0.0000	FLOOD RISK	2.006	21	252.4	1.822	1.276	3.4978	
30 minute summer	21	17	9.800	1.428	252.4	0.0000	0.0000	FLOOD RISK	2.007	22	254.3	1.890	0.427	3.7404	
30 minute summer	22	17	9.800	1.800	330.0	14.5556	0.0000	FLOOD RISK	2.008	23	328.4	1.678	1.140	53.3017	
30 minute summer	23	14	7.750	1.000	328.4	0.0000	0.0000	FLOOD RISK	2.009	24	459.7	2.752	2.341	0.3615	
30 minute summer	24	19	8.748	0.248	459.7	0.0000	0.0000	OK	2.010	24_OUT	400.8	7.018	0.324	0.4591	
30 minute summer	24_OUT	21	8.276	0.743	400.8	0.0000	0.0000	OK	Flow through pond	49	382.1	0.121	0.000	819.5430	
30 minute summer	25	18	8.877	0.081	16.2	0.0517	0.0000	OK	3.000	26	16.2	0.797	0.568	0.4868	
30 minute summer	26	20	8.578	0.143	29.4	0.9770	0.0000	OK	3.001	27	16.3	0.986	1.029	0.5972	
									Infiltration		1.4				
30 minute summer	27	21	8.283	0.188	26.5	1.6925	0.0000	SURCHARGED	3.002	28	25.3	1.204	1.066	0.5744	
									Infiltration		2.1				
30 minute summer	28	21	7.898	0.203	30.5	1.5851	0.0000	SURCHARGED	3.003	29	23.8	1.361	1.008	0.6315	
									Infiltration		1.7				
30 minute summer	29	20	7.277	0.212	34.0	1.3130	0.0000	SURCHARGED	3.004	30	27.7	1.608	0.998	0.1182	
									Infiltration		1.4				
30 minute summer	30	29	7.032	0.257	28.1	0.0249	0.0000	OK	3.005	31	26.4	0.295	0.012	4.2033	
30 minute summer	31	29	7.033	0.338	30.3	0.0495	0.0000	OK	3.006	32	26.1	0.188	0.015	4.3886	
									Infiltration		1.9				

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30 minute summer	32	29	7.033	0.368	28.0	0.0486	0.0000	OK	3.007	33	23.1	0.184	0.015	3.7619
									Infiltration		1.5			
									Infiltration		1.6			
30 minute summer	33	29	7.033	0.258	25.0	0.0310	0.0000	OK	3.008	34	22.7	0.352	0.016	2.7936
30 minute summer	34	30	7.033	0.258	24.8	0.0345	0.0000	OK	3.009	35	16.8	0.371	0.007	2.6303
									Infiltration		1.3			
30 minute summer	35	29	7.033	0.358	18.5	0.0430	0.0000	OK	3.010	36	6.5	0.086	0.002	5.4454
									Infiltration		1.1			
30 minute summer	36	30	7.033	0.528	7.5	0.0602	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.7			
30 minute summer	37	27	6.564	0.059	2.9	0.0071	0.0000	OK	3.012	38	1.9	0.061	0.001	2.9935
30 minute summer	38	27	6.565	0.300	13.0	0.0350	0.0000	OK	3.013	39	-9.2	-0.118	-0.008	2.1604
									Infiltration		1.2			
									Infiltration		1.7			
30 minute summer	39	25	6.566	0.111	9.8	0.0133	0.0000	OK	3.014	40	-8.1	-0.390	-0.005	0.5313
									Infiltration		0.4			
30 minute summer	40	19	6.730	0.035	8.1	0.0042	0.0000	OK	3.015	41	-8.4	-0.352	-0.004	0.2361
									Infiltration		0.0			
30 minute summer	41	19	6.898	0.033	6.5	0.0039	0.0000	OK	3.016	42	-4.6	-0.301	-0.003	0.1978
									Infiltration		0.0			
30 minute summer	42	19	7.110	0.025	4.8	0.0030	0.0000	OK	3.017	43	-2.9	-0.198	-0.002	0.1907
									Infiltration		0.1			
30 minute summer	43	18	7.175	0.030	3.0	0.0036	0.0000	OK	3.018	44	-1.1	-0.099	-0.001	0.1490
									Infiltration		0.0			
30 minute summer	44	18	7.240	0.015	1.9	0.0018	0.0000	OK	3.019	45	0.7	0.072	0.000	0.1222
30 minute summer	45	18	7.219	0.024	2.8	0.0029	0.0000	OK	3.020	46	2.5	0.185	0.001	0.1748
									Infiltration		0.1			
30 minute summer	46	19	7.152	0.027	4.4	0.0032	0.0000	OK	3.021	47	4.2	0.270	0.001	0.2189
									Infiltration		0.0			
30 minute summer	47	19	6.997	0.032	6.1	0.0039	0.0000	OK	3.022	48	5.9	0.295	0.002	0.4208
									Infiltration		0.0			
30 minute summer	48	33	6.885	0.090	7.7	0.0108	0.0000	OK	3.023	53	7.5	0.233	0.009	0.7768
									Infiltration		0.1			
30 minute summer	49	58	7.591	-0.409	500.7	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
30 minute summer	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
30 minute summer	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
30 minute summer	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
30 minute summer	53	34	6.885	0.100	9.2	0.0120	0.0000	OK	3.024	54	8.9	0.230	0.003	1.8074
									Infiltration		0.2			
30 minute summer	54	32	6.885	0.250	10.8	0.0313	0.0000	OK	3.025	54_OUT	5.3	0.082	0.002	3.9786
									Infiltration		0.2			
30 minute summer	54_OUT	34	6.886	0.361	8.7	0.0457	0.0000	OK	Infiltration		0.4			

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30 minute summer	55	20	8.582	0.136	5.4	0.0462	0.0000	OK	5.000	56	5.2	0.442	0.700	0.2880
30 minute summer	56	21	8.578	0.180	16.6	0.7002	0.0000	SURCHARGED	5.001	57	9.2	0.584	0.734	0.3709
									Infiltration		0.2			
30 minute summer	57	21	8.546	0.236	14.8	1.1327	0.0000	SURCHARGED	5.002	58	9.4	0.535	1.175	0.5462
									Infiltration		0.3			
30 minute summer	58	23	8.461	0.216	14.8	1.6153	0.0000	SURCHARGED	5.003	59	11.2	0.649	1.513	0.3905
									Infiltration		0.5			
30 minute summer	59	33	8.436	0.231	16.6	1.3637	0.0000	OK	5.004	60	11.1	0.162	0.018	8.1831
									Infiltration		0.4			
30 minute summer	60	33	8.436	0.251	16.5	0.0853	0.0000	OK	5.005	61	3.7	0.078	0.004	9.7361
									Infiltration		0.5			
30 minute summer	61	33	8.436	0.300	9.1	0.1020	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.7			
30 minute summer	62	19	8.174	0.038	5.4	0.0131	0.0000	OK	5.007	63	4.9	0.119	0.002	4.8989
30 minute summer	63	34	8.041	0.205	11.1	0.0697	0.0000	OK	5.008	63_OUT	-1.6	0.044	-0.001	4.4325
									Infiltration		0.4			
30 minute summer	63_OUT	34	8.041	0.276	5.4	0.0940	0.0000	OK	Infiltration		0.3			
30 minute summer	64	35	6.358	0.173	2.5	0.0277	0.0000	OK	6.000	65	1.5	0.075	0.001	1.4966
30 minute summer	65	34	6.358	0.233	4.6	0.0372	0.0000	OK	6.001	66	-1.4	0.067	-0.001	2.2448
									Infiltration		0.1			
30 minute summer	66	33	6.358	0.265	4.0	0.0418	0.0000	OK	6.002	67	-1.4	0.030	-0.001	1.3429
									Infiltration		0.2			
30 minute summer	67	33	6.358	0.282	2.5	0.0437	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
30 minute summer	68	18	6.096	0.020	2.8	0.0031	0.0000	OK	6.004	69	2.5	0.082	0.001	2.9798
30 minute summer	69	34	6.036	0.271	5.1	0.0433	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
30 minute summer	70	34	5.887	0.112	2.5	0.0179	0.0000	OK	6.006	71	2.2	0.084	0.001	0.8562
30 minute summer	71	34	5.887	0.182	4.6	0.0291	0.0000	OK	6.007	72	0.8	0.019	0.001	3.0566
									Infiltration		0.1			
30 minute summer	72	33	5.868	0.183	3.4	0.0292	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
30 minute summer	73	34	5.981	0.276	2.5	0.0441	0.0000	OK	6.009	74	1.2	0.037	0.001	1.2793
30 minute summer	74	34	5.981	0.276	3.8	0.0441	0.0000	OK	6.010	75	0.8	0.083	0.001	1.4485
									Infiltration		0.1			
30 minute summer	75	34	5.981	0.276	3.4	0.0441	0.0000	OK	6.011	76	1.2	0.059	0.000	1.6377
									Infiltration		0.1			
30 minute summer	76	34	5.981	0.346	3.4	0.0525	0.0000	OK	6.012	76_OUT	-0.7	-0.010	0.000	1.7728
									Infiltration		0.1			
30 minute summer	76_OUT	34	5.981	0.346	2.8	0.0553	0.0000	OK	Infiltration		0.1			

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Results for 30 year 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 93.04%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	1	18	9.800	0.500	9.1	0.0000	0.0000	FLOOD RISK	1.000	2	-9.1	-0.290	-0.415	0.4653	
30 minute winter	2	18	9.800	0.550	20.3	0.0000	0.0000	FLOOD RISK	1.001	3	-20.3	-0.710	-1.020	1.1264	
30 minute winter	3	18	9.800	0.650	27.2	0.0000	0.0000	FLOOD RISK	1.002	4	-27.2	-0.869	-1.286	0.4986	
30 minute winter	4	18	9.800	0.700	35.4	0.0000	0.0000	FLOOD RISK	1.003	5	-35.4	-1.131	-1.537	0.8441	
30 minute winter	5	17	9.800	0.800	43.5	0.0000	0.0000	FLOOD RISK	1.004	6	-43.5	-1.391	-1.164	0.1621	
30 minute winter	6	17	9.800	0.900	149.7	25.4537	0.0000	FLOOD RISK	1.005	7	53.6	1.301	1.313	0.7796	
30 minute winter	7	17	9.800	1.050	98.5	12.9418	0.0000	FLOOD RISK	1.006	8	89.6	1.151	1.277	2.4923	
30 minute winter	8	17	9.800	1.250	300.1	22.4373	0.0000	FLOOD RISK	1.007	9	188.7	1.348	1.559	5.9230	
30 minute winter	9	18	9.800	1.450	372.9	32.2746	0.0000	FLOOD RISK	1.008	10	334.9	1.712	1.413	3.1360	
30 minute winter	10	18	9.800	1.500	373.4	5.8849	0.0000	FLOOD RISK	1.009	11	394.4	1.816	2.060	47.8613	
30 minute winter	11	18	9.800	1.500	394.4	0.0000	0.0000	FLOOD RISK	1.010	12	257.7	1.317	0.885	50.3278	
30 minute winter	12	18	7.750	1.000	257.7	0.0000	0.0000	FLOOD RISK	1.011	13	465.6	2.758	2.068	0.3523	
30 minute winter	13	22	9.733	0.233	465.6	0.0000	0.0000	OK	1.012	13_OUT	300.6	6.611	0.243	0.4296	
30 minute winter	13_OUT	25	8.110	0.576	300.6	0.0000	0.0000	OK	Flow through pond	49	526.1	0.129	0.000	736.9686	
30 minute winter	14	17	9.800	0.500	26.1	0.0000	0.0000	FLOOD RISK	2.000	15	-26.1	-0.835	-0.866	0.8138	
30 minute winter	15	17	9.800	0.714	145.7	24.3434	0.0000	FLOOD RISK	2.001	16	-68.1	-1.392	-1.404	0.9254	
30 minute winter	16	16	9.800	0.809	80.2	0.0000	0.0000	FLOOD RISK	2.002	17	-80.2	-1.639	-1.627	0.6320	
30 minute winter	17	18	9.800	0.941	165.8	9.6715	0.0000	FLOOD RISK	2.003	18	90.7	1.155	1.161	1.8750	
30 minute winter	18	18	9.800	1.119	155.9	20.2048	0.0000	FLOOD RISK	2.004	19	151.1	1.241	1.200	5.4890	
30 minute winter	19	18	9.800	1.344	278.7	29.5892	0.0000	FLOOD RISK	2.005	20	262.9	1.470	1.333	4.9628	
30 minute winter	20	18	9.800	1.389	262.9	0.0000	0.0000	FLOOD RISK	2.006	21	264.3	2.039	1.336	3.4979	
30 minute winter	21	18	9.800	1.428	264.3	0.0000	0.0000	FLOOD RISK	2.007	22	265.8	1.947	0.446	3.7404	
30 minute winter	22	18	9.800	1.800	341.2	15.2797	0.0000	FLOOD RISK	2.008	23	341.4	1.745	1.185	53.3017	
30 minute winter	23	13	7.750	1.000	341.4	0.0000	0.0000	FLOOD RISK	2.009	24	552.6	3.511	2.815	0.3669	
30 minute winter	24	21	9.757	0.257	552.6	0.0000	0.0000	OK	2.010	24_OUT	424.3	7.347	0.343	0.5197	
30 minute winter	24_OUT	25	8.282	0.749	424.3	0.0000	0.0000	OK	Flow through pond	49	526.1	0.129	0.000	736.9686	
30 minute winter	25	18	8.872	0.978	9.3	0.0489	0.0000	OK	3.000	26	9.3	0.759	0.518	0.4423	
30 minute winter	26	19	8.585	0.130	18.6	0.8134	0.0000	OK	3.001	27	16.2	0.977	1.022	0.5754	
									Infiltration		1.3				
30 minute winter	27	22	8.288	0.173	25.2	1.7895	0.0000	SURCHARGED	3.002	28	19.9	1.202	0.986	0.5744	
									Infiltration		2.1				
30 minute winter	28	22	7.992	0.207	29.2	1.6619	0.0000	SURCHARGED	3.003	29	23.5	1.374	0.997	0.6315	
									Infiltration		1.7				
30 minute winter	29	20	7.277	0.212	32.2	1.3081	0.0000	SURCHARGED	3.004	30	27.7	1.606	0.995	0.1194	
									Infiltration		1.4				
30 minute winter	30	30	7.057	0.242	29.2	0.0291	0.0000	OK	3.005	31	28.0	0.291	0.012	4.9250	
30 minute winter	31	30	7.066	0.371	29.7	0.0446	0.0000	OK	3.006	32	25.3	0.194	0.014	4.9528	
									Infiltration		2.1				

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30 minute winter	32	30	7.066	0.421	27.0	0.0505	0.0000	OK	3.007	33	22.2	0.180	0.015	4.3000
									Infiltration		1.6			
									Infiltration		1.7			
30 minute winter	33	31	7.066	0.291	23.9	0.0349	0.0000	OK	3.008	34	21.9	0.350	0.015	3.2655
30 minute winter	34	31	7.066	0.321	23.6	0.0385	0.0000	OK	3.009	35	16.5	0.378	0.007	3.0224
									Infiltration		1.4			
30 minute winter	35	31	7.067	0.392	16.2	0.0471	0.0000	OK	3.010	36	9.9	0.089	0.003	6.0653
									Infiltration		1.1			
30 minute winter	36	31	7.067	0.582	11.5	0.0840	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.8			
30 minute winter	37	28	6.583	0.078	2.4	0.0094	0.0000	OK	3.012	38	2.0	0.067	0.001	3.3402
30 minute winter	38	27	6.583	0.318	11.4	0.0382	0.0000	OK	3.013	39	-8.1	-0.115	-0.005	2.3958
									Infiltration		1.2			
									Infiltration		1.8			
30 minute winter	39	28	6.583	0.128	9.0	0.0154	0.0000	OK	3.014	40	-7.4	-0.371	-0.005	0.8149
									Infiltration		0.4			
30 minute winter	40	19	6.728	0.033	7.5	0.0040	0.0000	OK	3.015	41	-5.8	-0.341	-0.004	0.2238
									Infiltration		0.0			
30 minute winter	41	18	6.896	0.031	5.9	0.0037	0.0000	OK	3.016	42	-4.2	-0.292	-0.003	0.1872
									Infiltration		0.0			
30 minute winter	42	18	7.109	0.024	4.3	0.0028	0.0000	OK	3.017	43	-2.6	-0.192	-0.002	0.1805
									Infiltration		0.0			
30 minute winter	43	18	7.173	0.028	2.7	0.0034	0.0000	OK	3.018	44	-1.0	-0.094	-0.001	0.1406
									Infiltration		0.0			
30 minute winter	44	18	7.239	0.014	1.7	0.0016	0.0000	OK	3.019	45	0.7	0.089	0.000	0.1150
30 minute winter	45	18	7.218	0.023	2.4	0.0028	0.0000	OK	3.020	46	2.3	0.178	0.001	0.1653
									Infiltration		0.1			
30 minute winter	46	19	7.150	0.025	4.0	0.0030	0.0000	OK	3.021	47	3.8	0.251	0.001	0.2073
									Infiltration		0.0			
30 minute winter	47	19	6.998	0.031	5.5	0.0037	0.0000	OK	3.022	48	5.5	0.197	0.002	0.5135
									Infiltration		0.0			
30 minute winter	48	33	8.905	0.110	7.1	0.0132	0.0000	OK	3.023	53	7.1	0.225	0.009	0.9747
									Infiltration		0.1			
30 minute winter	49	41	7.606	-0.394	586.0	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
30 minute winter	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
30 minute winter	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
30 minute winter	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
30 minute winter	53	34	8.906	0.121	8.6	0.0145	0.0000	OK	3.024	54	8.3	0.237	0.003	2.0586
									Infiltration		0.2			
30 minute winter	54	32	8.906	0.281	9.9	0.0337	0.0000	OK	3.025	54_OUT	4.4	0.085	0.002	4.3280
									Infiltration		0.2			
30 minute winter	54_OUT	34	8.906	0.401	6.0	0.0481	0.0000	OK	Infiltration		0.4			

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30 minute winter	55	21	8.590	0.144	4.9	0.0488	0.0000	OK	5.000	56	4.8	0.427	0.647	0.2927
30 minute winter	56	22	8.583	0.167	9.7	0.7361	0.0000	SURCHARGED	5.001	57	8.0	0.554	0.639	0.3709
									Infiltration		0.2			
30 minute winter	57	22	8.556	0.248	12.7	1.1357	0.0000	SURCHARGED	5.002	58	9.1	0.515	1.131	0.5462
									Infiltration		0.3			
30 minute winter	58	24	8.462	0.237	14.0	1.8193	0.0000	SURCHARGED	5.003	59	10.9	0.636	1.472	0.3906
									Infiltration		0.5			
30 minute winter	59	34	8.460	0.255	15.8	1.5352	0.0000	OK	5.004	60	10.4	0.165	0.915	7.0368
									Infiltration		0.4			
30 minute winter	60	34	8.460	0.275	15.3	0.0937	0.0000	OK	5.005	61	3.4	0.079	0.004	10.9351
									Infiltration		0.5			
30 minute winter	61	34	8.461	0.325	5.3	0.1104	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.7			
30 minute winter	62	18	8.173	0.037	4.9	0.0126	0.0000	OK	5.007	63	4.6	0.122	0.002	5.6085
30 minute winter	63	34	8.063	0.227	10.8	0.0773	0.0000	OK	5.008	63_OUT	-1.5	0.047	-0.001	4.9892
									Infiltration		0.5			
30 minute winter	63_OUT	34	8.064	0.299	4.9	0.1518	0.0000	OK	Infiltration		0.3			
30 minute winter	64	32	6.383	0.193	2.3	0.0318	0.0000	OK	6.000	65	1.3	0.051	0.001	1.7357
30 minute winter	65	33	6.382	0.257	3.7	0.0412	0.0000	OK	6.001	66	0.9	0.089	0.001	2.5527
									Infiltration		0.1			
30 minute winter	66	33	6.363	0.290	3.6	0.0458	0.0000	OK	6.002	67	-1.3	0.035	-0.001	1.5137
									Infiltration		0.2			
30 minute winter	67	33	6.383	0.307	2.3	0.0478	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
30 minute winter	68	18	8.095	0.019	2.3	0.0029	0.0000	OK	6.004	69	2.3	0.086	0.001	3.4003
30 minute winter	69	33	6.063	0.298	4.6	0.0477	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
30 minute winter	70	32	5.886	0.131	2.3	0.0209	0.0000	OK	6.006	71	1.9	0.097	0.001	1.0261
30 minute winter	71	32	5.886	0.201	4.6	0.0321	0.0000	OK	6.007	72	0.7	0.021	0.000	3.4879
									Infiltration		0.1			
30 minute winter	72	33	5.886	0.201	3.0	0.0322	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
30 minute winter	73	33	6.011	0.306	2.3	0.0490	0.0000	OK	6.009	74	1.1	0.040	0.001	1.4785
30 minute winter	74	33	6.011	0.306	3.4	0.0490	0.0000	OK	6.010	75	1.0	0.090	0.001	1.6713
									Infiltration		0.1			
30 minute winter	75	33	6.011	0.306	3.0	0.0490	0.0000	OK	6.011	76	1.4	0.086	0.000	1.8652
									Infiltration		0.1			
30 minute winter	76	33	6.011	0.376	3.1	0.0572	0.0000	OK	6.012	76_OUT	-0.6	0.010	0.000	1.9996
									Infiltration		0.1			
30 minute winter	76_OUT	33	6.011	0.376	2.3	0.0602	0.0000	OK	Infiltration		0.1			

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Results for 30 year 60 minute summer. 360 minute analysis at 1 minute timestep. Mass balance: 83.86%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	1	33	9.800	0.500	12.1	0.0000	0.0000	FLOOD RISK	1.000	2	-12.1	-0.576	-0.553	0.4853	
60 minute summer	2	33	9.800	0.550	28.0	0.0000	0.0000	FLOOD RISK	1.001	3	-28.0	-0.893	-1.406	1.1264	
60 minute summer	3	33	9.800	0.650	36.8	0.0000	0.0000	FLOOD RISK	1.002	4	-36.8	-1.177	-1.742	0.4988	
60 minute summer	4	32	9.800	0.750	44.7	0.0000	0.0000	FLOOD RISK	1.003	5	-44.7	-1.428	-1.940	0.8441	
60 minute summer	5	32	9.800	0.800	53.7	0.0000	0.0000	FLOOD RISK	1.004	6	-53.7	-1.717	-1.437	0.1621	
60 minute summer	6	32	9.800	0.900	143.2	24.3954	0.0000	FLOOD RISK	1.005	7	61.4	1.255	1.267	0.7798	
60 minute summer	7	32	9.800	1.050	97.1	12.8478	0.0000	FLOOD RISK	1.006	8	87.2	1.125	1.242	2.4923	
60 minute summer	8	31	9.800	1.250	150.5	21.9292	0.0000	FLOOD RISK	1.007	9	139.3	1.113	1.268	5.9230	
60 minute summer	9	31	9.800	1.450	270.0	31.8146	0.0000	FLOOD RISK	1.008	10	233.0	1.191	0.983	3.1360	
60 minute summer	10	31	9.800	1.500	253.3	5.7672	0.0000	FLOOD RISK	1.009	11	252.3	1.290	1.708	47.8813	
60 minute summer	11	31	9.800	1.800	252.3	0.0000	0.0000	FLOOD RISK	1.010	12	252.4	1.291	0.877	53.3278	
60 minute summer	12	25	7.750	1.000	252.4	0.0000	0.0000	FLOOD RISK	1.011	13	372.8	2.411	1.898	0.3528	
60 minute summer	13	37	9.734	0.234	372.8	0.0000	0.0000	OK	1.012	13_OUT	295.7	6.820	0.239	0.4358	
60 minute summer	13_OUT	40	8.661	0.548	295.7	0.0000	0.0000	OK	Flow through pond	49	663.5	0.140	0.000	881.1277	
60 minute summer	14	30	9.800	0.500	7.3	0.0000	0.0000	FLOOD RISK	2.000	15	-7.3	-0.382	-0.241	0.8136	
60 minute summer	15	30	9.800	0.714	90.3	21.5507	0.0000	FLOOD RISK	2.001	16	55.2	1.138	1.138	0.9254	
60 minute summer	16	30	9.800	0.809	61.8	0.0000	0.0000	FLOOD RISK	2.002	17	-61.8	-1.259	-1.250	0.6329	
60 minute summer	17	30	9.800	0.941	91.9	8.7012	0.0000	FLOOD RISK	2.003	18	82.1	1.698	1.050	1.8750	
60 minute summer	18	30	9.800	1.119	152.4	18.2656	0.0000	FLOOD RISK	2.004	19	139.6	1.173	1.169	5.4690	
60 minute summer	19	30	9.800	1.344	250.4	26.9137	0.0000	FLOOD RISK	2.005	20	243.5	1.289	1.235	4.0828	
60 minute summer	20	30	9.800	1.389	243.5	0.0000	0.0000	FLOOD RISK	2.006	21	244.4	1.768	1.235	3.4978	
60 minute summer	21	30	9.800	1.428	244.4	0.0000	0.0000	FLOOD RISK	2.007	22	245.9	1.530	0.413	3.7404	
60 minute summer	22	30	9.800	1.800	316.0	14.1109	0.0000	FLOOD RISK	2.008	23	314.4	1.607	1.081	53.3017	
60 minute summer	23	22	7.750	1.000	314.4	0.0000	0.0000	FLOOD RISK	2.009	24	481.4	3.032	2.452	0.3574	
60 minute summer	24	36	8.740	0.240	481.4	0.0000	0.0000	OK	2.010	24_OUT	394.2	6.873	0.319	0.4751	
60 minute summer	24_OUT	35	8.206	0.673	394.2	0.0000	0.0000	OK	Flow through pond	49	663.5	0.140	0.000	881.1277	
60 minute summer	25	33	8.865	0.069	7.8	0.0441	0.0000	OK	3.000	26	7.8	0.729	0.435	0.3848	
60 minute summer	26	34	8.548	0.111	15.6	0.8020	0.0000	OK	3.001	27	14.0	0.952	0.885	0.5837	
									Infiltration		1.6				
60 minute summer	27	35	8.238	0.121	21.5	0.8805	0.0000	OK	3.002	28	19.6	1.207	0.971	0.5361	
									Infiltration		1.4				
60 minute summer	28	37	7.861	0.166	26.5	1.0643	0.0000	SURCHARGED	3.003	29	23.8	1.353	0.998	0.6315	
									Infiltration		1.3				
60 minute summer	29	35	7.255	0.190	31.4	1.0543	0.0000	SURCHARGED	3.004	30	27.2	1.610	0.977	0.1158	
									Infiltration		1.3				
60 minute summer	30	45	7.054	0.229	28.4	0.9275	0.0000	OK	3.005	31	26.4	0.271	0.011	4.8448	
60 minute summer	31	46	7.054	0.359	27.9	0.0431	0.0000	OK	3.006	32	22.0	0.160	0.013	4.7325	
									Infiltration		2.0				

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60 minute summer	32	46	7.054	0.409	23.5	0.0491	0.0000	OK	S.007	S3	17.1	0.152	0.011	4.0978
									Infiltration		1.6			
									Infiltration		1.7			
60 minute summer	33	45	7.054	0.279	16.5	0.0335	0.0000	OK	S.008	S4	15.7	0.294	0.011	3.0904
60 minute summer	34	46	7.054	0.309	17.1	0.0371	0.0000	OK	S.009	S5	16.1	0.273	0.004	2.8703
									Infiltration		1.4			
60 minute summer	35	45	7.054	0.379	11.5	0.0455	0.0000	OK	S.010	S6	8.7	0.066	0.002	5.8244
									Infiltration		1.1			
60 minute summer	36	46	7.054	0.549	8.1	0.0626	0.0000	OK	S.011	S7	0.0	0.000	0.000	0.0000
									Infiltration		1.8			
60 minute summer	37	42	6.578	0.071	3.9	0.0085	0.0000	OK	S.012	S8	-2.5	0.043	-0.001	3.1942
60 minute summer	38	43	6.575	0.310	8.6	0.0372	0.0000	OK	S.013	S9	-5.9	-0.092	-0.004	2.2934
									Infiltration		1.2			
									Infiltration		1.6			
60 minute summer	39	44	6.575	0.120	7.9	0.0144	0.0000	OK	S.014	S10	-6.5	-0.335	-0.004	0.5711
									Infiltration		0.4			
60 minute summer	40	34	6.725	0.030	6.5	0.0037	0.0000	OK	S.015	S11	-5.1	-0.325	-0.003	0.2553
									Infiltration		0.0			
60 minute summer	41	34	6.894	0.029	5.2	0.0035	0.0000	OK	S.016	S12	-3.7	-0.277	-0.002	0.1719
									Infiltration		0.0			
60 minute summer	42	34	7.107	0.022	3.8	0.0026	0.0000	OK	S.017	S13	-2.3	-0.183	-0.002	0.1662
									Infiltration		0.0			
60 minute summer	43	34	7.171	0.026	2.4	0.0031	0.0000	OK	S.018	S14	-0.9	-0.090	-0.001	0.1293
									Infiltration		0.0			
60 minute summer	44	33	7.238	0.013	1.5	0.0015	0.0000	OK	S.019	S15	0.6	0.085	0.000	0.1058
60 minute summer	45	33	7.216	0.021	2.1	0.0025	0.0000	OK	S.020	S16	2.0	0.170	0.001	0.1518
									Infiltration		0.0			
60 minute summer	46	34	7.148	0.023	3.5	0.0028	0.0000	OK	S.021	S17	3.4	0.248	0.001	0.1904
									Infiltration		0.0			
60 minute summer	47	34	6.993	0.028	4.8	0.0034	0.0000	OK	S.022	S18	4.8	0.186	0.001	0.5648
									Infiltration		0.0			
60 minute summer	48	60	8.918	0.121	6.2	0.0145	0.0000	OK	S.023	S3	6.2	0.208	0.008	1.0868
									Infiltration		0.1			
60 minute summer	49	71	7.623	-0.377	696.0	0.0000	0.0000	OK	Orifice	S0	0.0			
									Infiltration		0.0			
60 minute summer	S0	1	7.400	0.000	0.0	0.0000	0.0000	OK	S.001	S1	0.0	0.000	0.000	0.0000
60 minute summer	S1	1	7.300	0.000	0.0	0.0000	0.0000	OK	S.002	S2	0.0	0.000	0.000	0.0000
60 minute summer	S2	1	7.200	0.000	0.0	0.0000	0.0000	OK	S.003	S3	0.0	0.000	0.000	0.0000
60 minute summer	S3	61	6.918	0.131	7.5	0.0158	0.0000	OK	S.024	S4	6.8	0.152	0.002	2.1992
									Infiltration		0.2			
60 minute summer	S4	59	8.918	0.291	8.3	0.0350	0.0000	OK	S.025	S4_OUT	2.5	0.045	0.001	4.5238
									Infiltration		0.3			
60 minute summer	S4_OUT	61	6.918	0.411	4.0	0.0494	0.0000	OK	Infiltration		0.4			

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60 minute summer	55	37	8.535	0.089	4.1	0.0303	0.0000	OK	5.000	56	4.1	0.412	0.553	0.2121
60 minute summer	56	37	8.531	0.115	8.2	0.4767	0.0000	OK	5.001	57	7.4	0.532	0.588	0.3375
									Infiltration		0.2			
60 minute summer	57	37	8.516	0.206	11.5	0.9441	0.0000	SURCHARGED	5.002	58	5.3	0.489	1.039	0.5462
									Infiltration		0.3			
60 minute summer	58	40	8.466	0.221	12.4	1.5615	0.0000	SURCHARGED	5.003	59	9.2	0.546	1.245	0.3905
									Infiltration		0.5			
60 minute summer	59	61	8.463	0.258	13.3	1.5569	0.0000	OK	5.004	60	8.1	0.103	0.011	7.1443
									Infiltration		0.4			
60 minute summer	60	60	8.463	0.278	12.2	0.9947	0.0000	OK	5.005	61	2.4	0.062	0.002	11.0786
									Infiltration		0.5			
60 minute summer	61	60	8.463	0.327	6.5	0.1113	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.7			
60 minute summer	62	34	8.169	0.033	4.1	0.0113	0.0000	OK	5.007	63	3.8	0.083	0.002	5.8692
60 minute summer	63	62	8.074	0.238	8.7	0.6809	0.0000	OK	5.008	63_OUT	-1.1	0.033	-0.001	5.2497
									Infiltration		0.5			
60 minute summer	63_OUT	62	8.074	0.309	4.1	0.1050	0.0000	OK	Infiltration		0.4			
60 minute summer	64	62	6.391	0.206	1.9	0.0330	0.0000	OK	6.000	65	1.0	0.056	0.000	1.8204
60 minute summer	65	62	6.391	0.286	2.9	0.0425	0.0000	OK	6.001	66	0.5	0.061	0.000	2.6535
									Infiltration		0.1			
60 minute summer	66	63	6.391	0.298	2.8	0.0470	0.0000	OK	6.002	67	-0.7	0.030	0.000	1.5674
									Infiltration		0.2			
60 minute summer	67	63	6.391	0.315	1.9	0.0468	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
60 minute summer	68	33	6.093	0.017	1.9	0.0026	0.0000	OK	6.004	69	1.9	0.053	0.001	3.5052
60 minute summer	69	62	6.070	0.305	3.8	0.0489	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
60 minute summer	70	61	5.889	0.134	1.9	0.0215	0.0000	OK	6.006	71	1.3	0.061	0.000	1.0517
60 minute summer	71	62	5.888	0.204	3.2	0.0327	0.0000	OK	6.007	72	0.5	0.015	0.000	3.5340
									Infiltration		0.1			
60 minute summer	72	63	5.888	0.204	2.4	0.0327	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
60 minute summer	73	63	6.024	0.319	1.9	0.0511	0.0000	OK	6.009	74	0.8	0.027	0.001	1.5655
60 minute summer	74	63	6.024	0.319	2.7	0.0511	0.0000	OK	6.010	75	0.5	0.057	0.000	1.7729
									Infiltration		0.1			
60 minute summer	75	63	6.024	0.319	2.3	0.0511	0.0000	OK	6.011	76	0.7	0.049	0.000	1.9875
									Infiltration		0.1			
60 minute summer	76	63	6.024	0.389	2.4	0.0592	0.0000	OK	6.012	76_OUT	-0.5	-0.009	0.000	2.1001
									Infiltration		0.1			
60 minute summer	76_OUT	63	6.024	0.389	1.9	0.0623	0.0000	OK	Infiltration		0.1			

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Results for 30 year 60 minute winter. 360 minute analysis at 1 minute timestep. Mass balance: 94.38%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	1	31	9.800	0.500	14.2	0.0000	0.0000	FLOOD RISK	1.000	2	-14.2	-0.454	-0.849	0.4853	
60 minute winter	2	31	9.800	0.550	24.8	0.0000	0.0000	FLOOD RISK	1.001	3	-24.8	-0.897	-1.247	1.1264	
60 minute winter	3	31	9.800	0.650	33.6	0.0000	0.0000	FLOOD RISK	1.002	4	-33.6	-1.074	-1.588	0.4988	
60 minute winter	4	31	9.800	0.700	41.3	0.0000	0.0000	FLOOD RISK	1.003	5	-41.3	-1.321	-1.795	0.8441	
60 minute winter	5	30	9.800	0.800	47.4	0.0000	0.0000	FLOOD RISK	1.004	6	-47.4	-1.515	-1.268	0.1621	
60 minute winter	6	30	9.800	0.900	118.3	25.8586	0.0000	FLOOD RISK	1.005	7	60.7	1.242	1.253	0.7798	
60 minute winter	7	30	9.800	1.050	85.1	13.0607	0.0000	FLOOD RISK	1.006	8	87.2	1.124	1.243	2.4923	
60 minute winter	8	30	9.800	1.250	136.4	22.5178	0.0000	FLOOD RISK	1.007	9	141.4	1.130	1.307	5.8230	
60 minute winter	9	29	9.800	1.450	243.7	32.2454	0.0000	FLOOD RISK	1.008	10	238.1	1.218	1.904	3.1360	
60 minute winter	10	29	9.800	1.500	257.0	5.8786	0.0000	FLOOD RISK	1.009	11	257.1	1.315	1.740	47.8613	
60 minute winter	11	31	9.800	1.500	257.1	0.0000	0.0000	FLOOD RISK	1.010	12	258.6	1.322	0.896	53.3278	
60 minute winter	12	24	7.750	1.000	258.6	0.0000	0.0000	FLOOD RISK	1.011	13	429.9	2.691	2.189	0.3453	
60 minute winter	13	41	9.723	0.223	429.9	0.0000	0.0000	OK	1.012	13_OUT	320.8	6.845	0.259	0.4267	
60 minute winter	13_OUT	39	6.114	0.581	320.8	0.0000	0.0000	OK	Flow through pond	49	972.2	0.167	0.000	1923.8854	
60 minute winter	14	28	9.800	0.500	22.7	0.0000	0.0000	FLOOD RISK	2.000	15	-22.7	-0.841	-0.752	0.8135	
60 minute winter	15	28	9.800	0.714	79.7	19.8205	0.0000	FLOOD RISK	2.001	16	50.2	1.110	1.036	0.9254	
60 minute winter	16	28	9.800	0.809	50.2	0.0000	0.0000	FLOOD RISK	2.002	17	52.4	1.087	1.064	0.6320	
60 minute winter	17	28	9.800	0.941	165.6	8.0111	0.0000	FLOOD RISK	2.003	18	75.3	1.118	0.963	1.8750	
60 minute winter	18	28	9.800	1.119	127.1	18.8651	0.0000	FLOOD RISK	2.004	19	130.7	1.158	1.938	5.4690	
60 minute winter	19	27	9.800	1.344	232.9	25.0396	0.0000	FLOOD RISK	2.005	20	230.9	1.252	1.166	4.0828	
60 minute winter	20	28	9.800	1.389	230.0	0.0000	0.0000	FLOOD RISK	2.006	21	230.3	1.610	1.164	3.4979	
60 minute winter	21	28	9.800	1.428	230.3	0.0000	0.0000	FLOOD RISK	2.007	22	231.0	1.611	0.388	3.7404	
60 minute winter	22	28	9.800	1.800	295.5	13.3057	0.0000	FLOOD RISK	2.008	23	297.0	1.518	1.031	53.3017	
60 minute winter	23	20	7.750	1.000	297.0	0.0000	0.0000	FLOOD RISK	2.009	24	468.5	3.064	2.386	0.3535	
60 minute winter	24	35	9.738	0.238	468.5	0.0000	0.0000	OK	2.010	24_OUT	372.3	8.757	0.301	0.4656	
60 minute winter	24_OUT	41	8.158	0.624	372.3	0.0000	0.0000	OK	Flow through pond	49	972.2	0.167	0.000	1923.8854	
60 minute winter	25	33	8.857	0.061	6.3	0.0392	0.0000	OK	3.000	26	6.3	0.882	0.351	0.3299	
60 minute winter	26	34	8.531	0.096	12.6	0.4598	0.0000	OK	3.001	27	11.6	0.923	0.730	0.5012	
									Infiltration		0.9				
60 minute winter	27	35	8.220	0.105	17.8	0.6684	0.0000	OK	3.002	28	16.4	1.193	0.811	0.4471	
									Infiltration		1.2				
60 minute winter	28	35	7.808	0.113	22.5	0.5054	0.0000	OK	3.003	29	21.5	1.338	0.912	0.5705	
									Infiltration		0.8				
60 minute winter	29	37	7.220	0.155	27.6	0.7083	0.0000	SURCHARGED	3.004	30	25.8	1.617	0.927	0.1158	
									Infiltration		1.0				
60 minute winter	30	48	7.036	0.261	27.0	0.0314	0.0000	OK	3.005	31	24.5	0.249	0.010	5.3805	
60 minute winter	31	48	7.036	0.391	25.7	0.0470	0.0000	OK	3.006	32	19.0	0.178	0.011	5.3240	
									Infiltration		2.1				

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60 minute winter	32	49	7.087	0.442	20.2	0.0530	0.0000	OK	3.007	33	14.3	0.139	0.010	4.6551
									Infiltration		1.7			
									Infiltration		1.6			
60 minute winter	33	48	7.087	0.312	15.3	0.0374	0.0000	OK	3.008	34	13.7	0.294	0.010	3.5730
60 minute winter	34	49	7.086	0.341	14.7	0.0410	0.0000	OK	3.009	35	10.1	0.304	0.004	3.2648
									Infiltration		1.4			
60 minute winter	35	48	7.087	0.412	11.1	0.0494	0.0000	OK	3.010	36	6.3	0.071	0.002	8.4373
									Infiltration		1.2			
60 minute winter	36	47	7.087	0.582	7.1	0.0863	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.9			
60 minute winter	37	48	6.590	0.085	2.8	0.0102	0.0000	OK	3.012	38	-1.6	0.055	-0.001	3.4875
60 minute winter	38	48	6.589	0.324	7.1	0.0389	0.0000	OK	3.013	39	-5.8	-0.098	-0.004	2.4780
									Infiltration		1.2			
									Infiltration		1.8			
60 minute winter	39	44	6.589	0.134	8.6	0.0161	0.0000	OK	3.014	40	-5.4	-0.314	-0.004	0.6486
									Infiltration		0.5			
60 minute winter	40	34	6.722	0.027	5.4	0.0033	0.0000	OK	3.015	41	-4.2	-0.303	-0.003	0.1820
									Infiltration		0.0			
60 minute winter	41	34	6.891	0.026	4.2	0.0031	0.0000	OK	3.016	42	-3.0	-0.258	-0.002	0.1524
									Infiltration		0.0			
60 minute winter	42	34	7.104	0.019	3.1	0.0023	0.0000	OK	3.017	43	-1.8	-0.170	-0.001	0.1474
									Infiltration		0.0			
60 minute winter	43	34	7.168	0.023	1.9	0.0028	0.0000	OK	3.018	44	-0.7	-0.083	0.000	0.1148
									Infiltration		0.0			
60 minute winter	44	34	7.238	0.011	1.2	0.0013	0.0000	OK	3.019	45	0.5	0.080	0.000	0.0933
60 minute winter	45	34	7.214	0.019	1.7	0.0023	0.0000	OK	3.020	46	1.6	0.157	0.001	0.1345
									Infiltration		0.0			
60 minute winter	46	34	7.146	0.021	2.8	0.0025	0.0000	OK	3.021	47	2.8	0.230	0.001	0.1588
									Infiltration		0.0			
60 minute winter	47	34	6.990	0.025	4.0	0.0030	0.0000	OK	3.022	48	3.9	0.171	0.001	0.6639
									Infiltration		0.0			
60 minute winter	48	60	8.938	0.143	5.1	0.0172	0.0000	OK	3.023	53	4.8	0.191	0.006	1.3207
									Infiltration		0.1			
60 minute winter	49	68	7.842	-0.358	1037.5	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
60 minute winter	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
60 minute winter	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
60 minute winter	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
60 minute winter	53	60	8.938	0.153	5.0	0.0184	0.0000	OK	3.024	54	5.3	0.172	0.002	2.4878
									Infiltration		0.2			
60 minute winter	54	52	8.938	0.313	8.5	0.0375	0.0000	OK	3.025	54_OUT	2.8	0.047	0.001	4.8262
									Infiltration		0.3			
60 minute winter	54_OUT	60	8.939	0.434	4.0	0.0520	0.0000	OK	Infiltration		0.4			

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60 minute winter	55	40	8.530	0.084	3.3	0.0286	0.0000	OK	5.000	56	3.3	0.390	0.447	0.2021
60 minute winter	56	40	8.527	0.111	5.6	0.4594	0.0000	OK	5.001	57	6.4	0.494	0.507	0.3323
									Infiltration		0.2			
60 minute winter	57	40	8.518	0.208	9.7	0.9511	0.0000	SURCHARGED	5.002	58	7.5	0.489	0.942	0.5462
									Infiltration		0.3			
60 minute winter	58	59	8.493	0.248	10.8	1.9293	0.0000	SURCHARGED	5.003	59	8.3	0.516	1.129	0.3908
									Infiltration		0.5			
60 minute winter	59	61	8.493	0.285	11.6	1.7658	0.0000	OK	5.004	60	6.9	0.111	0.010	8.2498
									Infiltration		0.4			
60 minute winter	60	61	8.493	0.308	10.2	0.1048	0.0000	OK	5.005	61	2.1	0.067	0.002	12.6249
									Infiltration		0.5			
60 minute winter	61	61	8.493	0.357	5.4	0.1215	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.7			
60 minute winter	62	35	8.186	0.030	3.3	0.0102	0.0000	OK	5.007	63	3.2	0.089	0.002	6.7706
60 minute winter	63	62	8.101	0.265	7.2	0.0901	0.0000	OK	5.008	63_OUT	0.9	0.035	0.001	5.9652
									Infiltration		0.6			
60 minute winter	63_OUT	62	8.101	0.335	3.3	0.1142	0.0000	OK	Infiltration		0.4			
60 minute winter	64	61	6.421	0.236	1.6	0.0378	0.0000	OK	6.000	65	0.7	0.058	0.000	2.1400
60 minute winter	65	61	6.421	0.286	2.5	0.0474	0.0000	OK	6.001	66	-0.6	0.063	0.000	3.0562
									Infiltration		0.1			
60 minute winter	66	60	6.421	0.328	3.4	0.0518	0.0000	OK	6.002	67	-0.8	0.030	-0.001	1.7880
									Infiltration		0.2			
60 minute winter	67	60	6.421	0.346	1.6	0.0535	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
60 minute winter	68	58	8.095	0.013	1.6	0.0029	0.0000	OK	6.004	69	1.8	0.056	0.001	4.0010
60 minute winter	69	61	8.095	0.330	3.2	0.0528	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
60 minute winter	70	60	5.912	0.157	1.6	0.0252	0.0000	OK	6.006	71	1.0	0.051	0.000	1.2354
60 minute winter	71	61	5.912	0.227	2.5	0.0364	0.0000	OK	6.007	72	0.5	0.018	0.000	4.0689
									Infiltration		0.1			
60 minute winter	72	61	5.913	0.228	2.0	0.0364	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
60 minute winter	73	62	5.061	0.356	1.6	0.0570	0.0000	OK	6.009	74	0.6	0.028	0.000	1.8267
60 minute winter	74	62	5.061	0.356	2.2	0.0570	0.0000	OK	6.010	75	0.6	0.072	0.000	2.0688
									Infiltration		0.1			
60 minute winter	75	62	5.061	0.356	2.0	0.0570	0.0000	OK	6.011	76	0.8	0.056	0.000	2.2867
									Infiltration		0.1			
60 minute winter	76	62	5.061	0.426	2.1	0.0648	0.0000	OK	6.012	76_OUT	-0.5	0.009	0.000	2.3961
									Infiltration		0.1			
60 minute winter	76_OUT	62	5.061	0.426	1.6	0.0682	0.0000	OK	Infiltration		0.1			

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Results for 30 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 94.61%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	1	60	9.800	0.500	6.7	0.0000	0.0000	FLOOD RISK	1.000	2	-6.7	-0.213	-0.304	0.4653	
120 minute summer	2	60	9.800	0.550	14.8	0.0000	0.0000	FLOOD RISK	1.001	3	-14.8	-0.668	-0.746	1.1284	
120 minute summer	3	60	9.800	0.650	27.4	0.0000	0.0000	FLOOD RISK	1.002	4	-27.4	-0.877	-1.297	0.4986	
120 minute summer	4	60	9.800	0.700	32.8	0.0000	0.0000	FLOOD RISK	1.003	5	-32.8	-1.047	-1.423	0.8441	
120 minute summer	5	60	9.800	0.800	38.1	0.0000	0.0000	FLOOD RISK	1.004	6	-38.1	-1.218	-1.019	0.1621	
120 minute summer	6	58	9.800	0.900	99.8	21.1575	0.0000	FLOOD RISK	1.005	7	-80.9	-1.245	-1.256	0.7796	
120 minute summer	7	58	9.800	1.050	69.8	10.8150	0.0000	FLOOD RISK	1.006	8	74.5	1.073	1.080	2.4923	
120 minute summer	8	58	9.800	1.250	119.4	18.9288	0.0000	FLOOD RISK	1.007	9	123.1	1.062	1.138	5.9230	
120 minute summer	9	58	9.800	1.450	211.1	27.5380	0.0000	FLOOD RISK	1.008	10	207.4	1.060	0.875	3.1380	
120 minute summer	10	58	9.800	1.500	223.6	5.0417	0.0000	FLOOD RISK	1.009	11	223.9	1.145	1.515	47.8613	
120 minute summer	11	60	9.800	1.800	223.9	0.0000	0.0000	FLOOD RISK	1.010	12	222.6	1.138	0.773	53.3278	
120 minute summer	12	40	7.750	1.000	222.6	0.0000	0.0000	FLOOD RISK	1.011	13	384.6	2.666	1.959	0.3416	
120 minute summer	13	68	9.715	0.218	384.6	0.0000	0.0000	OK	1.012	13_OUT	283.4	6.195	0.229	0.3803	
120 minute summer	13_OUT	72	8.032	0.499	283.4	0.0000	0.0000	OK	Flow through pond	49	720.2	0.128	0.000	1116.5713	
120 minute summer	14	56	9.800	0.500	4.6	0.0000	0.0000	FLOOD RISK	2.000	15	-4.6	-0.146	-0.152	0.8136	
120 minute summer	15	58	9.800	0.714	43.9	15.2352	0.0000	FLOOD RISK	2.001	16	41.5	0.926	0.855	0.9254	
120 minute summer	16	56	9.800	0.809	41.5	0.0000	0.0000	FLOOD RISK	2.002	17	42.8	0.916	0.868	0.6320	
120 minute summer	17	56	9.800	0.941	58.9	6.3583	0.0000	FLOOD RISK	2.003	18	62.1	0.916	0.795	1.8750	
120 minute summer	18	56	9.800	1.119	107.0	13.6819	0.0000	FLOOD RISK	2.004	19	109.4	0.935	0.869	5.4890	
120 minute summer	19	56	9.800	1.344	193.1	20.8100	0.0000	FLOOD RISK	2.005	20	192.2	0.983	0.975	4.0628	
120 minute summer	20	56	9.800	1.389	192.2	0.0000	0.0000	FLOOD RISK	2.006	21	192.2	1.399	0.971	3.4979	
120 minute summer	21	56	9.800	1.428	192.2	0.0000	0.0000	FLOOD RISK	2.007	22	192.2	1.192	0.323	3.7464	
120 minute summer	22	58	9.800	1.800	247.5	11.4855	0.0000	FLOOD RISK	2.008	23	247.3	1.264	0.858	53.3017	
120 minute summer	23	38	7.750	1.000	247.3	0.0000	0.0000	FLOOD RISK	2.009	24	420.2	2.786	2.140	0.3461	
120 minute summer	24	70	9.723	0.223	420.2	0.0000	0.0000	OK	2.010	24_OUT	307.0	6.159	0.248	0.4112	
120 minute summer	24_OUT	68	8.100	0.566	307.0	0.0000	0.0000	OK	Flow through pond	49	720.2	0.128	0.000	1116.5713	
120 minute summer	25	64	8.850	0.054	5.0	0.0348	0.0000	OK	3.000	26	5.0	0.650	0.279	0.2785	
120 minute summer	26	64	8.518	0.083	10.0	0.3461	0.0000	OK	3.001	27	9.2	0.882	0.577	0.4141	
									Infiltration		0.7				
120 minute summer	27	64	8.294	0.089	14.2	0.4861	0.0000	OK	3.002	28	12.8	1.145	0.636	0.3657	
									Infiltration		1.0				
120 minute summer	28	64	7.789	0.094	17.8	0.3596	0.0000	OK	3.003	29	16.9	1.306	0.714	0.4615	
									Infiltration		0.7				
120 minute summer	29	56	7.178	0.113	21.6	0.3573	0.0000	OK	3.004	30	20.9	1.592	0.752	0.6890	
									Infiltration		0.7				
120 minute summer	30	80	7.033	0.208	21.8	0.0250	0.0000	OK	3.005	31	20.1	0.216	0.008	4.2105	
120 minute summer	31	80	7.033	0.338	21.0	0.0406	0.0000	OK	3.006	32	15.6	0.134	0.009	4.3696	
									Infiltration		1.9				
120 minute summer	32	80	7.033	0.388	16.5	0.0466	0.0000	OK	3.007	33	10.4	0.107	0.007	3.7593	

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									Infiltration		1.5				
									Infiltration		1.6				
120 minute summer	33	80	7.033	0.258	11.3	0.0310	0.0000	OK	S.008	34	9.2	0.247	0.007	2.7852	
120 minute summer	34	80	7.033	0.288	9.8	0.0346	0.0000	OK	S.009	35	6.5	0.231	0.003	2.6301	
									Infiltration		1.3				
120 minute summer	35	80	7.033	0.358	7.2	0.0429	0.0000	OK	S.010	36	3.5	0.047	0.001	5.4494	
									Infiltration		1.1				
120 minute summer	36	80	7.033	0.528	4.1	0.0502	0.0000	OK	S.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		1.7				
120 minute summer	37	78	6.555	0.051	1.5	0.0061	0.0000	OK	S.012	38	1.0	0.040	0.000	2.8170	
120 minute summer	38	78	6.555	0.290	5.6	0.0348	0.0000	OK	S.013	39	-3.9	-0.075	-0.003	2.0383	
									Infiltration		1.1				
									Infiltration		1.7				
120 minute summer	39	78	6.555	0.100	5.0	0.0120	0.0000	OK	S.014	40	-4.1	-0.286	-0.003	0.4871	
									Infiltration		0.3				
120 minute summer	40	86	6.718	0.023	4.1	0.0026	0.0000	OK	S.015	41	-3.2	-0.272	-0.002	0.1523	
									Infiltration		0.0				
120 minute summer	41	68	6.887	0.022	3.2	0.0026	0.0000	OK	S.016	42	-2.3	-0.232	-0.002	0.1275	
									Infiltration		0.0				
120 minute summer	42	86	7.101	0.015	2.3	0.0020	0.0000	OK	S.017	43	-1.4	-0.152	-0.001	0.1235	
									Infiltration		0.0				
120 minute summer	43	68	7.165	0.020	1.5	0.0024	0.0000	OK	S.018	44	-0.6	-0.074	0.000	0.0961	
									Infiltration		0.0				
120 minute summer	44	86	7.234	0.009	0.9	0.0011	0.0000	OK	S.019	45	0.3	0.054	0.000	0.0781	
120 minute summer	45	68	7.211	0.016	1.2	0.0019	0.0000	OK	S.020	46	1.2	0.141	0.001	0.1125	
									Infiltration		0.0				
120 minute summer	46	86	7.142	0.017	2.1	0.0021	0.0000	OK	S.021	47	2.1	0.207	0.001	0.1410	
									Infiltration		0.0				
120 minute summer	47	68	6.986	0.021	3.0	0.0026	0.0000	OK	S.022	48	3.0	0.150	0.001	0.5956	
									Infiltration		0.0				
120 minute summer	48	92	6.922	0.127	3.9	0.0153	0.0000	OK	S.023	53	3.6	0.156	0.005	1.1492	
									Infiltration		0.1				
120 minute summer	49	136	7.650	-0.350	743.6	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
120 minute summer	50	2	7.400	0.000	0.0	0.0000	0.0000	OK	S.001	51	0.0	0.000	0.000	0.0000	
120 minute summer	51	2	7.300	0.000	0.0	0.0000	0.0000	OK	S.002	52	0.0	0.000	0.000	0.0000	
120 minute summer	52	2	7.200	0.000	0.0	0.0000	0.0000	OK	S.003	53	0.0	0.000	0.000	0.0000	
120 minute summer	53	92	6.922	0.137	4.5	0.0165	0.0000	OK	S.024	54	3.5	0.117	0.001	2.2759	
									Infiltration		0.2				
120 minute summer	54	92	6.922	0.297	4.4	0.0357	0.0000	OK	S.025	54_OUT	1.2	0.037	0.000	4.6318	
									Infiltration		0.3				
120 minute summer	54_OUT	92	6.922	0.417	2.1	0.0501	0.0000	OK	Infiltration		0.4				
120 minute summer	55	64	6.508	0.062	2.9	0.0209	0.0000	OK	S.050	56	2.6	0.389	0.382	0.1186	
120 minute summer	56	64	6.481	0.065	5.2	0.2484	0.0000	OK	S.001	57	5.0	0.470	0.396	0.2593	

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								Infiltration		0.2				
120 minute summer	57	72	8.473	0.163	7.8	0.8757	0.0000 SURCHARGED	5.002	58	8.1	0.438	0.756	0.5462	
								Infiltration		0.3				
120 minute summer	58	96	8.472	0.227	8.7	1.7218	0.0000 SURCHARGED	5.003	59	6.2	0.368	0.842	0.3906	
								Infiltration		0.5				
120 minute summer	59	96	8.472	0.267	8.8	1.8144	0.0000 OK	5.004	60	5.1	0.075	0.007	7.4436	
								Infiltration		0.4				
120 minute summer	60	96	8.472	0.287	7.7	0.0975	0.0000 OK	5.005	61	1.7	0.050	0.002	11.4974	
								Infiltration		0.5				
120 minute summer	61	96	8.472	0.338	4.2	0.1141	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000	
								Infiltration		0.7				
120 minute summer	62	84	8.162	0.025	2.8	0.0087	0.0000 OK	5.007	63	2.5	0.056	0.001	6.3320	
120 minute summer	63	106	8.089	0.253	5.6	0.0859	0.0000 OK	5.008	63_OUT	-0.6	0.027	0.000	5.6357	
								Infiltration		0.6				
120 minute summer	63_OUT	102	8.089	0.324	2.6	0.1100	0.0000 OK	Infiltration		0.4				
120 minute summer	64	102	8.405	0.220	1.2	0.0352	0.0000 OK	6.000	65	0.5	0.054	0.000	1.9644	
120 minute summer	65	102	8.405	0.280	1.8	0.0448	0.0000 OK	6.001	66	0.2	0.048	0.000	2.8350	
								Infiltration		0.1				
120 minute summer	66	102	8.405	0.312	1.7	0.0493	0.0000 OK	6.002	67	-0.5	0.023	0.000	1.6687	
								Infiltration		0.2				
120 minute summer	67	102	8.405	0.329	1.2	0.0510	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000	
								Infiltration		0.1				
120 minute summer	68	84	8.089	0.013	1.2	0.0020	0.0000 OK	6.004	69	1.2	0.040	0.000	0.7364	
120 minute summer	69	102	8.083	0.318	2.4	0.0509	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000	
								Infiltration		0.3				
120 minute summer	70	102	5.897	0.142	1.2	0.0227	0.0000 OK	6.006	71	0.7	0.049	0.000	1.1125	
120 minute summer	71	102	5.897	0.212	1.9	0.0339	0.0000 OK	6.007	72	0.3	0.011	0.000	3.7154	
								Infiltration		0.1				
120 minute summer	72	102	5.897	0.212	1.4	0.0339	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000	
								Infiltration		0.3				
120 minute summer	73	122	6.047	0.342	1.2	0.0547	0.0000 OK	6.009	74	0.5	0.022	0.000	1.7238	
120 minute summer	74	122	6.047	0.342	1.7	0.0547	0.0000 OK	6.010	75	0.3	0.048	0.000	1.9519	
								Infiltration		0.1				
120 minute summer	75	122	6.047	0.342	1.5	0.0547	0.0000 OK	6.011	76	0.4	0.038	0.000	2.1488	
								Infiltration		0.1				
120 minute summer	76	122	6.047	0.412	1.5	0.0628	0.0000 OK	6.012	76_OUT	-0.3	0.006	0.000	2.2796	
								Infiltration		0.1				
120 minute summer	76_OUT	122	6.047	0.412	1.2	0.0659	0.0000 OK	Infiltration		0.1				

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Results for 30 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 95.01%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	1	56	9.800	0.500	7.9	0.0000	0.0000	FLOOD RISK	1.000	2	-7.9	-0.494	-0.361	0.4653	
120 minute winter	2	56	9.800	0.550	24.8	0.0000	0.0000	FLOOD RISK	1.001	3	-24.8	-0.801	-1.249	1.1284	
120 minute winter	3	56	9.800	0.650	28.1	0.0000	0.0000	FLOOD RISK	1.002	4	-28.1	-0.898	-1.329	0.4986	
120 minute winter	4	56	9.800	0.700	30.4	0.0000	0.0000	FLOOD RISK	1.003	5	-30.4	-0.972	-1.321	0.8441	
120 minute winter	5	54	9.800	0.800	34.1	0.0000	0.0000	FLOOD RISK	1.004	6	-34.1	-1.088	-0.911	0.1621	
120 minute winter	6	54	9.800	0.900	71.8	18.4109	0.0000	FLOOD RISK	1.005	7	43.1	1.057	0.889	0.7796	
120 minute winter	7	54	9.800	1.050	53.2	9.4737	0.0000	FLOOD RISK	1.006	8	65.3	1.052	0.930	2.4823	
120 minute winter	8	54	9.800	1.250	109.4	16.7592	0.0000	FLOOD RISK	1.007	9	116.8	1.075	1.022	5.9230	
120 minute winter	9	54	9.800	1.450	187.5	24.6935	0.0000	FLOOD RISK	1.008	10	186.8	0.955	0.788	3.1360	
120 minute winter	10	54	9.800	1.500	201.3	4.5361	0.0000	FLOOD RISK	1.009	11	201.2	1.029	1.361	47.8613	
120 minute winter	11	56	9.800	1.800	201.2	0.0000	0.0000	FLOOD RISK	1.010	12	202.3	1.034	0.763	53.3276	
120 minute winter	12	36	7.750	1.000	202.3	0.0000	0.0000	FLOOD RISK	1.011	13	345.9	2.358	1.782	0.3252	
120 minute winter	13	70	9.688	0.188	345.9	0.0000	0.0000	OK	1.012	13_OUT	238.2	6.328	0.193	0.3353	
120 minute winter	13_OUT	72	8.021	0.487	238.2	0.0000	0.0000	OK	Flow through pond	49	729.0	0.119	0.000	1288.4658	
120 minute winter	14	50	9.800	0.500	17.3	0.0000	0.0000	FLOOD RISK	2.000	15	-17.3	-0.577	-0.575	0.8136	
120 minute winter	15	50	9.800	0.714	49.5	12.0540	0.0000	FLOOD RISK	2.001	16	33.5	0.922	0.691	0.9254	
120 minute winter	16	50	9.800	0.809	37.1	0.0000	0.0000	FLOOD RISK	2.002	17	-37.1	0.912	-0.754	0.8329	
120 minute winter	17	50	9.800	0.941	50.7	5.1896	0.0000	FLOOD RISK	2.003	18	50.8	0.913	0.647	1.8750	
120 minute winter	18	50	9.800	1.119	90.5	11.4014	0.0000	FLOOD RISK	2.004	19	91.1	0.947	0.723	5.4890	
120 minute winter	19	50	9.800	1.344	161.2	17.7801	0.0000	FLOOD RISK	2.005	20	161.1	1.020	0.817	4.9628	
120 minute winter	20	50	9.800	1.389	161.1	0.0000	0.0000	FLOOD RISK	2.006	21	161.1	1.470	0.814	3.4978	
120 minute winter	21	50	9.800	1.428	161.1	0.0000	0.0000	FLOOD RISK	2.007	22	161.1	1.265	0.270	3.7404	
120 minute winter	22	50	9.800	1.800	206.8	16.1833	0.0000	FLOOD RISK	2.008	23	207.9	1.083	0.722	53.3017	
120 minute winter	23	32	7.750	1.000	207.9	0.0000	0.0000	FLOOD RISK	2.009	24	345.2	2.216	1.758	0.3322	
120 minute winter	24	64	9.700	0.200	345.2	0.0000	0.0000	OK	2.010	24_OUT	241.9	6.393	0.195	0.3462	
120 minute winter	24_OUT	66	8.029	0.495	241.9	0.0000	0.0000	OK	Flow through pond	49	729.0	0.119	0.000	1288.4658	
120 minute winter	25	64	8.643	0.047	3.8	0.0299	0.0000	OK	3.000	28	3.8	0.602	0.212	0.2250	
120 minute winter	26	64	8.505	0.070	7.8	0.2584	0.0000	OK	3.001	27	7.0	0.828	0.439	0.3383	
									Infiltration		0.8				
120 minute winter	27	64	8.193	0.075	10.8	0.3581	0.0000	OK	3.002	28	9.9	1.081	0.490	0.2988	
									Infiltration		0.8				
120 minute winter	28	64	7.775	0.080	13.7	0.2673	0.0000	OK	3.003	29	13.1	1.245	0.553	0.3751	
									Infiltration		0.8				
120 minute winter	29	64	7.155	0.093	16.9	0.2759	0.0000	OK	3.004	30	16.2	1.520	0.584	0.6880	
									Infiltration		0.5				
120 minute winter	30	66	7.652	0.227	16.9	0.0272	0.0000	OK	3.005	31	15.7	0.195	0.007	4.8002	
120 minute winter	31	66	7.652	0.357	16.4	0.0428	0.0000	OK	3.006	32	12.2	0.142	0.007	4.8937	
									Infiltration		2.0				

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120 minute winter	32	86	7.052	0.407	12.9	0.0488	0.0000	OK	3.007	33	8.0	0.094	0.005	4.0622
									Infiltration		1.6			
									Infiltration		1.7			
120 minute winter	33	86	7.052	0.277	8.5	0.0332	0.0000	OK	3.008	34	7.7	0.234	0.005	3.0572
120 minute winter	34	86	7.052	0.307	8.3	0.0368	0.0000	OK	3.009	35	5.7	0.239	0.002	2.8439
									Infiltration		1.3			
120 minute winter	35	86	7.052	0.377	6.3	0.0452	0.0000	OK	3.010	36	4.1	0.050	0.001	5.7842
									Infiltration		1.1			
120 minute winter	36	86	7.052	0.547	4.5	0.0623	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.6			
120 minute winter	37	80	6.560	0.055	0.8	0.0068	0.0000	OK	3.012	38	0.7	0.040	0.000	2.9074
120 minute winter	38	82	6.560	0.295	4.4	0.0354	0.0000	OK	3.013	39	-3.2	-0.075	-0.002	2.1023
									Infiltration		1.2			
									Infiltration		1.7			
120 minute winter	39	82	6.560	0.105	3.8	0.0126	0.0000	OK	3.014	40	-3.1	-0.251	-0.002	0.4920
									Infiltration		0.3			
120 minute winter	40	68	6.715	0.020	3.2	0.0024	0.0000	OK	3.015	41	-2.5	-0.248	-0.002	0.1301
									Infiltration		0.0			
120 minute winter	41	68	6.884	0.019	2.5	0.0022	0.0000	OK	3.016	42	-1.8	-0.210	-0.001	0.1088
									Infiltration		0.0			
120 minute winter	42	68	7.099	0.014	1.8	0.0017	0.0000	OK	3.017	43	-1.1	-0.136	-0.001	0.1056
									Infiltration		0.0			
120 minute winter	43	68	7.162	0.017	1.1	0.0020	0.0000	OK	3.018	44	-0.4	-0.087	0.000	0.0824
									Infiltration		0.0			
120 minute winter	44	68	7.233	0.008	0.7	0.0010	0.0000	OK	3.019	45	0.3	0.048	0.000	0.0668
120 minute winter	45	68	7.209	0.014	1.0	0.0016	0.0000	OK	3.020	46	0.9	0.125	0.000	0.0961
									Infiltration		0.0			
120 minute winter	46	68	7.140	0.015	1.6	0.0018	0.0000	OK	3.021	47	1.6	0.188	0.001	0.1205
									Infiltration		0.0			
120 minute winter	47	68	6.983	0.018	2.3	0.0022	0.0000	OK	3.022	48	2.3	0.134	0.001	0.7257
									Infiltration		0.0			
120 minute winter	48	98	6.948	0.151	3.0	0.0181	0.0000	OK	3.023	53	2.7	0.145	0.003	1.4033
									Infiltration		0.2			
120 minute winter	49	134	7.668	-0.331	738.8	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
120 minute winter	50	2	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
120 minute winter	51	2	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
120 minute winter	52	2	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
120 minute winter	53	98	6.948	0.151	3.4	0.0193	0.0000	OK	3.024	54	3.0	0.133	0.001	2.5930
									Infiltration		0.2			
120 minute winter	54	98	6.948	0.321	3.5	0.0385	0.0000	OK	3.025	54_OUT	1.3	0.037	0.001	5.9662
									Infiltration		0.3			
120 minute winter	54_OUT	98	6.948	0.441	1.9	0.0529	0.0000	OK	Infiltration		0.4			

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120 minute winter	55	112	8.500	0.054	2.0	0.0183	0.0000 OK	5.000	56	2.0	0.345	0.271	0.1317
120 minute winter	56	112	8.499	0.083	4.0	0.3030	0.0000 OK	5.001	57	3.8	0.438	0.303	0.2914
								Infiltration		0.2			
120 minute winter	57	112	8.493	0.189	5.8	0.8377	0.0000 SURCHARGED	5.002	58	4.8	0.410	0.589	0.5452
								Infiltration		0.3			
120 minute winter	58	112	8.499	0.254	6.8	1.9818	0.0000 SURCHARGED	5.003	59	5.0	0.386	0.669	0.3906
								Infiltration		0.5			
120 minute winter	59	112	8.499	0.294	6.9	1.5028	0.0000 OK	5.004	60	4.1	0.085	0.006	8.4488
								Infiltration		0.4			
120 minute winter	60	112	8.499	0.314	6.1	0.1096	0.0000 OK	5.005	61	1.3	0.055	0.001	12.8999
								Infiltration		0.5			
120 minute winter	61	112	8.499	0.363	3.3	0.1233	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.7			
120 minute winter	62	66	8.158	0.022	2.0	0.0076	0.0000 OK	5.007	63	2.0	0.073	0.001	7.2327
120 minute winter	63	114	8.115	0.279	4.5	0.0950	0.0000 OK	5.008	63_OUT	0.6	0.030	0.000	6.3626
								Infiltration		0.6			
120 minute winter	63_OUT	114	8.115	0.350	2.0	0.1191	0.0000 OK	Infiltration		0.4			
120 minute winter	64	116	6.444	0.259	1.0	0.0414	0.0000 OK	6.000	65	0.5	0.055	0.000	2.3885
120 minute winter	65	116	6.444	0.319	1.5	0.0510	0.0000 OK	6.001	66	0.4	0.050	0.000	3.3697
								Infiltration		0.2			
120 minute winter	66	116	6.444	0.351	1.5	0.0554	0.0000 OK	6.002	67	-0.5	0.023	0.000	1.9606
								Infiltration		0.2			
120 minute winter	67	116	6.444	0.368	1.0	0.0570	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
120 minute winter	68	116	6.108	0.030	1.0	0.0047	0.0000 OK	6.004	69	1.0	0.041	0.000	4.2802
120 minute winter	69	114	6.108	0.341	2.0	0.0546	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
120 minute winter	70	116	5.924	0.159	1.0	0.0270	0.0000 OK	6.006	71	0.6	0.051	0.000	1.3317
120 minute winter	71	116	5.924	0.239	1.8	0.0382	0.0000 OK	6.007	72	0.3	0.014	0.000	4.3438
								Infiltration		0.1			
120 minute winter	72	116	5.924	0.239	1.3	0.0382	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
120 minute winter	73	120	6.095	0.390	1.0	0.0624	0.0000 OK	6.009	74	0.4	0.023	0.000	2.9784
120 minute winter	74	120	6.095	0.390	1.4	0.0624	0.0000 OK	6.010	75	0.4	0.060	0.000	2.3513
								Infiltration		0.1			
120 minute winter	75	120	6.095	0.390	1.3	0.0624	0.0000 OK	6.011	76	0.5	0.041	0.000	2.5519
								Infiltration		0.1			
120 minute winter	76	120	6.095	0.460	1.3	0.0699	0.0000 OK	6.012	75_OUT	-0.2	0.007	0.000	2.5776
								Infiltration		0.1			
120 minute winter	76_OUT	120	6.095	0.460	1.0	0.0736	0.0000 OK	Infiltration		0.1			

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Results for 30 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 95.43%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	1	88	9.800	0.500	5.0	0.0000	0.0000	FLOOD RISK	1.000	2	-5.0	-0.160	-0.229	0.4853	
180 minute summer	2	88	9.800	0.550	17.7	0.0000	0.0000	FLOOD RISK	1.001	3	-17.7	-0.586	-0.891	1.1284	
180 minute summer	3	88	9.800	0.650	22.6	0.0000	0.0000	FLOOD RISK	1.002	4	-22.6	-0.723	-1.070	0.4988	
180 minute summer	4	88	9.800	0.700	25.6	0.0000	0.0000	FLOOD RISK	1.003	5	-25.6	-0.819	-1.113	0.8441	
180 minute summer	5	84	9.800	0.800	28.1	0.0000	0.0000	FLOOD RISK	1.004	6	-28.1	-0.897	-0.751	0.1621	
180 minute summer	6	84	9.800	0.900	52.7	17.1789	0.0000	FLOOD RISK	1.005	7	41.5	0.931	0.857	0.7796	
180 minute summer	7	84	9.800	1.050	80.1	8.8767	0.0000	FLOOD RISK	1.006	8	82.3	0.917	0.887	2.4923	
180 minute summer	8	84	9.800	1.250	102.9	15.7809	0.0000	FLOOD RISK	1.007	9	105.3	0.956	0.974	5.9230	
180 minute summer	9	84	9.800	1.450	178.4	23.3693	0.0000	FLOOD RISK	1.008	10	177.0	0.905	0.747	3.1360	
180 minute summer	10	84	9.800	1.500	189.9	4.3006	0.0000	FLOOD RISK	1.009	11	190.5	0.974	1.289	47.8613	
180 minute summer	11	88	9.800	1.800	190.5	0.0000	0.0000	FLOOD RISK	1.010	12	192.2	0.980	0.667	53.3278	
180 minute summer	12	52	7.750	1.000	192.2	0.0000	0.0000	FLOOD RISK	1.011	13	296.8	2.076	1.511	0.2965	
180 minute summer	13	100	9.640	0.140	296.8	0.0000	0.0000	OK	1.012	13_OUT	253.5	5.600	0.265	0.2638	
180 minute summer	13_OUT	100	8.004	0.471	253.5	0.0000	0.0000	OK	Flow through pond	49	582.8	0.953	0.000	1273.4584	
180 minute summer	14	80	9.800	0.500	10.5	0.0000	0.0000	FLOOD RISK	2.000	15	-10.5	-0.421	-0.347	0.8136	
180 minute summer	15	80	9.800	0.714	38.9	11.3433	0.0000	FLOOD RISK	2.001	16	32.5	0.819	0.670	0.9254	
180 minute summer	16	80	9.800	0.809	32.5	0.0000	0.0000	FLOOD RISK	2.002	17	33.6	0.815	0.671	0.6320	
180 minute summer	17	80	9.800	0.941	47.1	4.9415	0.0000	FLOOD RISK	2.003	18	48.9	0.753	0.626	1.8756	
180 minute summer	18	80	9.800	1.119	86.3	10.9286	0.0000	FLOOD RISK	2.004	19	88.4	0.821	0.686	5.4890	
180 minute summer	19	80	9.800	1.344	154.5	17.1700	0.0000	FLOOD RISK	2.005	20	152.8	0.869	0.775	4.0628	
180 minute summer	20	80	9.800	1.389	152.8	0.0000	0.0000	FLOOD RISK	2.006	21	152.6	1.211	0.771	3.4979	
180 minute summer	21	80	9.800	1.428	152.6	0.0000	0.0000	FLOOD RISK	2.007	22	152.6	1.050	0.256	3.7404	
180 minute summer	22	80	9.800	1.800	197.4	9.9248	0.0000	FLOOD RISK	2.008	23	195.5	1.000	0.679	53.3017	
180 minute summer	23	48	7.750	1.000	195.5	0.0000	0.0000	FLOOD RISK	2.009	24	339.6	2.353	1.729	0.3171	
180 minute summer	24	96	9.674	0.174	339.6	0.0000	0.0000	OK	2.010	24_OUT	216.4	5.133	0.175	0.2898	
180 minute summer	24_OUT	104	7.962	0.428	216.4	0.0000	0.0000	OK	Flow through pond	49	582.8	0.953	0.000	1273.4584	
180 minute summer	25	96	8.842	0.048	3.7	0.0295	0.0000	OK	3.000	26	3.7	0.603	0.296	0.2207	
180 minute summer	26	96	8.504	0.069	7.4	0.2498	0.0000	OK	3.001	27	6.8	0.822	0.428	0.3300	
									Infiltration		0.6				
180 minute summer	27	96	8.189	0.074	10.5	0.3487	0.0000	OK	3.002	28	9.7	1.075	0.478	0.2931	
									Infiltration		0.8				
180 minute summer	28	96	7.773	0.078	13.4	0.2805	0.0000	OK	3.003	29	12.7	1.238	0.540	0.3888	
									Infiltration		0.6				
180 minute summer	29	96	7.157	0.082	16.4	0.2577	0.0000	OK	3.004	30	15.9	1.512	0.570	0.0712	
									Infiltration		0.5				
180 minute summer	30	112	7.007	0.182	16.8	0.0218	0.0000	OK	3.005	31	15.3	0.184	0.006	3.6801	
180 minute summer	31	112	7.006	0.311	16.0	0.0374	0.0000	OK	3.006	32	12.0	0.106	0.007	3.9244	
									Infiltration		1.8				
180 minute summer	32	112	7.006	0.361	12.7	0.0434	0.0000	OK	3.007	33	7.7	0.086	0.005	3.3437	

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									Infiltration		1.4				
									Infiltration		1.6				
180 minute summer	33	112	7.006	0.231	8.4	0.0278	0.0000	OK	3.008	34	6.9	0.231	0.005	2.4335	
180 minute summer	34	116	7.006	0.261	7.4	0.0314	0.0000	OK	3.009	35	4.9	0.207	0.002	2.3359	
									Infiltration		1.2				
180 minute summer	35	112	7.006	0.331	5.4	0.0398	0.0000	OK	3.010	36	3.3	0.042	0.001	4.9825	
									Infiltration		1.0				
180 minute summer	36	116	7.006	0.501	3.7	0.0571	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		1.7				
180 minute summer	37	108	6.540	0.035	0.7	0.0042	0.0000	OK	3.012	38	0.7	0.034	0.000	2.5484	
180 minute summer	38	108	6.541	0.278	4.5	0.0331	0.0000	OK	3.013	39	-3.1	-0.075	-0.002	1.8601	
									Infiltration		1.1				
									Infiltration		1.6				
180 minute summer	39	108	6.541	0.068	3.6	0.0103	0.0000	OK	3.014	40	-3.1	-0.254	-0.002	0.3991	
									Infiltration		0.3				
180 minute summer	40	96	6.715	0.020	3.2	0.0024	0.0000	OK	3.015	41	-2.5	-0.247	-0.002	0.1297	
									Infiltration		0.0				
180 minute summer	41	96	6.884	0.019	2.5	0.0022	0.0000	OK	3.018	42	-1.8	-0.210	-0.001	0.1087	
									Infiltration		0.0				
180 minute summer	42	96	7.099	0.014	1.8	0.0017	0.0000	OK	3.017	43	-1.1	-0.138	-0.001	0.1056	
									Infiltration		0.0				
180 minute summer	43	96	7.162	0.017	1.1	0.0020	0.0000	OK	3.018	44	-0.4	-0.067	0.000	0.0523	
									Infiltration		0.0				
180 minute summer	44	96	7.233	0.008	0.7	0.0010	0.0000	OK	3.019	45	0.3	0.049	0.000	0.0868	
180 minute summer	45	96	7.209	0.014	1.0	0.0018	0.0000	OK	3.020	46	0.9	0.128	0.000	0.0960	
									Infiltration		0.0				
180 minute summer	46	96	7.140	0.015	1.6	0.0016	0.0000	OK	3.021	47	1.6	0.168	0.001	0.1202	
									Infiltration		0.0				
180 minute summer	47	96	6.983	0.018	2.3	0.0022	0.0000	OK	3.022	48	2.3	0.128	0.001	0.6298	
									Infiltration		0.0				
180 minute summer	48	128	8.929	0.134	3.0	0.0161	0.0000	OK	3.023	53	2.3	0.138	0.003	1.2197	
									Infiltration		0.1				
180 minute summer	49	216	7.665	-0.335	597.3	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
180 minute summer	50	4	7.460	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
180 minute summer	51	4	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
180 minute summer	52	4	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
180 minute summer	53	128	8.929	0.144	3.0	0.0173	0.0000	OK	3.024	54	2.1	0.117	0.001	2.3659	
									Infiltration		0.2				
180 minute summer	54	128	8.929	0.304	2.7	0.0365	0.0000	OK	3.025	54_OUT	1.0	0.037	0.000	4.7532	
									Infiltration		0.3				
180 minute summer	54_OUT	128	8.929	0.424	1.6	0.0509	0.0000	OK	Infiltration		0.4				
180 minute summer	55	96	8.498	0.052	1.9	0.0178	0.0000	OK	5.000	56	1.9	0.342	0.257	0.0938	
180 minute summer	56	96	8.471	0.055	3.8	0.1983	0.0000	OK	5.001	57	3.6	0.437	0.287	0.2395	

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								Infiltration		0.2				
180 minute summer	57	128	8.468	0.156	5.5	0.8315	0.0000 SURCHARGED	5.002	58	4.6	0.391	0.588	0.5462	
								Infiltration		0.3				
180 minute summer	58	128	8.466	0.221	6.5	1.6809	0.0000 SURCHARGED	5.003	59	4.7	0.337	0.633	0.3908	
								Infiltration		0.5				
180 minute summer	59	128	8.465	0.260	8.6	1.5711	0.0000 OK	5.004	60	3.9	0.062	0.005	7.2184	
								Infiltration		0.4				
180 minute summer	60	128	8.465	0.260	5.8	0.0953	0.0000 OK	5.005	61	1.2	0.042	0.001	11.1620	
								Infiltration		0.5				
180 minute summer	61	128	8.465	0.329	3.1	0.1120	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000	
								Infiltration		0.7				
180 minute summer	62	96	8.157	0.021	1.9	0.0073	0.0000 OK	5.007	63	1.9	0.057	0.001	5.2933	
180 minute summer	63	140	8.087	0.251	4.1	0.0855	0.0000 OK	5.008	63_OUT	0.4	0.024	0.000	5.6057	
								Infiltration		0.6				
180 minute summer	63_OUT	140	8.087	0.322	1.9	0.1096	0.0000 OK	Infiltration		0.4				
180 minute summer	64	136	8.409	0.224	0.9	0.0359	0.0000 OK	6.000	65	0.3	0.044	0.000	2.0096	
180 minute summer	65	136	8.409	0.284	1.4	0.0455	0.0000 OK	6.001	66	-0.2	0.050	0.000	2.8939	
								Infiltration		0.1				
180 minute summer	66	136	8.409	0.319	1.3	0.0499	0.0000 OK	6.002	67	-0.4	0.023	0.000	1.6992	
								Infiltration		0.2				
180 minute summer	67	136	8.409	0.333	0.9	0.0518	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000	
								Infiltration		0.1				
180 minute summer	68	132	8.087	0.011	0.9	0.0017	0.0000 OK	6.004	69	0.9	0.037	0.000	3.8284	
180 minute summer	69	132	8.087	0.322	1.8	0.0516	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000	
								Infiltration		0.3				
180 minute summer	70	136	5.898	0.143	0.9	0.0229	0.0000 OK	6.006	71	0.6	0.042	0.000	1.1225	
180 minute summer	71	136	5.898	0.213	1.5	0.0341	0.0000 OK	6.007	72	0.3	0.011	0.000	3.7396	
								Infiltration		0.1				
180 minute summer	72	136	5.898	0.213	1.2	0.0341	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000	
								Infiltration		0.3				
180 minute summer	73	180	8.057	0.352	0.9	0.0563	0.0000 OK	6.009	74	0.4	0.016	0.000	1.7942	
180 minute summer	74	180	8.057	0.352	1.3	0.0563	0.0000 OK	6.010	75	0.2	0.043	0.000	2.0317	
								Infiltration		0.1				
180 minute summer	75	180	8.057	0.352	1.1	0.0563	0.0000 OK	6.011	76	0.3	0.034	0.000	2.2295	
								Infiltration		0.1				
180 minute summer	76	180	8.057	0.422	1.1	0.0641	0.0000 OK	6.012	76_OUT	-0.2	-0.007	0.000	2.3593	
								Infiltration		0.1				
180 minute summer	76_OUT	180	8.057	0.422	0.9	0.0675	0.0000 OK	Infiltration		0.1				

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Results for 30 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 95.72%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	1	80	9.800	0.500	5.7	0.0000	0.0000	FLOOD RISK	1.000	2	-5.7	-0.431	-0.259	0.4653	
180 minute winter	2	80	9.800	0.550	19.2	0.0000	0.0000	FLOOD RISK	1.001	3	-19.2	-0.639	-0.984	1.1284	
180 minute winter	3	80	9.800	0.650	21.5	0.0000	0.0000	FLOOD RISK	1.002	4	-21.5	-0.687	-1.017	0.4986	
180 minute winter	4	80	9.800	0.700	22.7	0.0000	0.0000	FLOOD RISK	1.003	5	-22.7	-0.725	-0.957	0.8441	
180 minute winter	5	80	9.800	0.800	24.6	0.0000	0.0000	FLOOD RISK	1.004	6	-24.6	-0.785	-0.657	0.1621	
180 minute winter	6	80	9.800	0.900	46.5	14.1086	0.0000	FLOOD RISK	1.005	7	32.5	0.928	0.671	0.7796	
180 minute winter	7	80	9.800	1.050	53.2	7.4405	0.0000	FLOOD RISK	1.006	8	50.4	0.914	0.718	2.4823	
180 minute winter	8	80	9.800	1.250	86.2	13.5473	0.0000	FLOOD RISK	1.007	9	86.5	0.956	0.800	5.9230	
180 minute winter	9	80	9.800	1.450	146.5	20.5087	0.0000	FLOOD RISK	1.008	10	146.6	0.848	0.618	3.1360	
180 minute winter	10	80	9.800	1.500	157.9	3.7942	0.0000	FLOOD RISK	1.009	11	158.0	0.808	1.069	47.8613	
180 minute winter	11	80	9.800	1.800	158.0	0.0000	0.0000	FLOOD RISK	1.010	12	158.0	0.808	0.549	53.3276	
180 minute winter	12	48	7.750	1.050	158.0	0.0000	0.0000	FLOOD RISK	1.011	13	158.0	1.138	0.805	0.2854	
180 minute winter	13	100	9.618	0.119	158.0	0.0000	0.0000	OK	1.012	13_OUT	158.0	4.448	0.128	0.2128	
180 minute winter	13_OUT	100	7.898	0.364	158.0	0.0000	0.0000	OK	Flow through pond	49	593.8	0.681	0.000	1464.5710	
180 minute winter	14	72	9.800	0.500	9.9	0.0000	0.0000	FLOOD RISK	2.000	15	-9.9	-0.408	-0.329	0.8136	
180 minute winter	15	72	9.800	0.714	31.2	9.1216	0.0000	FLOOD RISK	2.001	16	25.0	0.831	0.515	0.9254	
180 minute winter	16	72	9.800	0.809	25.0	0.0000	0.0000	FLOOD RISK	2.002	17	25.1	0.829	0.509	0.8329	
180 minute winter	17	72	9.800	0.941	37.5	4.1436	0.0000	FLOOD RISK	2.003	18	37.8	0.789	0.483	1.8750	
180 minute winter	18	72	9.800	1.119	66.2	9.3853	0.0000	FLOOD RISK	2.004	19	66.2	0.849	0.542	5.4890	
180 minute winter	19	76	9.800	1.344	121.4	15.1483	0.0000	FLOOD RISK	2.005	20	120.9	0.960	0.613	4.0628	
180 minute winter	20	76	9.800	1.389	120.9	0.0000	0.0000	FLOOD RISK	2.006	21	120.9	1.245	0.611	3.4978	
180 minute winter	21	76	9.800	1.428	120.8	0.0000	0.0000	FLOOD RISK	2.007	22	120.8	1.108	0.203	3.7404	
180 minute winter	22	76	9.800	1.800	155.3	9.0736	0.0000	FLOOD RISK	2.008	23	155.2	0.812	0.539	53.3017	
180 minute winter	23	44	7.750	1.000	155.2	0.0000	0.0000	FLOOD RISK	2.009	24	155.2	1.118	0.790	0.2850	
180 minute winter	24	96	9.618	0.118	155.2	0.0000	0.0000	OK	2.010	24_OUT	155.1	4.425	0.125	0.2093	
180 minute winter	24_OUT	100	7.892	0.359	155.1	0.0000	0.0000	OK	Flow through pond	49	593.8	0.681	0.000	1464.5710	
180 minute winter	25	96	8.838	0.040	2.8	0.0256	0.0000	OK	3.000	28	2.8	0.557	0.156	0.1793	
180 minute winter	26	96	8.494	0.059	5.8	0.1875	0.0000	OK	3.001	27	5.1	0.787	0.322	0.2859	
									Infiltration		0.5				
180 minute winter	27	96	8.178	0.063	7.9	0.2570	0.0000	OK	3.002	28	7.2	1.000	0.358	0.2362	
									Infiltration		0.7				
180 minute winter	28	96	7.761	0.066	10.0	0.1943	0.0000	OK	3.003	29	9.6	1.153	0.406	0.2954	
									Infiltration		0.5				
180 minute winter	29	96	7.141	0.076	12.4	0.1936	0.0000	OK	3.004	30	11.9	1.422	0.430	0.6674	
									Infiltration		0.4				
180 minute winter	30	120	7.010	0.185	12.4	0.0222	0.0000	OK	3.005	31	11.7	0.171	0.065	3.7420	
180 minute winter	31	124	7.010	0.315	12.2	0.0377	0.0000	OK	3.006	32	9.1	0.122	0.065	3.9771	
									Infiltration		1.8				

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180 minute winter	32	124	7.609	0.364	9.6	0.0437	0.0000	OK	3.007	33	5.6	0.076	0.004	3.3928
									Infiltration		1.4			
									Infiltration		1.6			
180 minute winter	33	124	7.610	0.235	6.1	0.0281	0.0000	OK	3.008	34	5.6	0.205	0.004	2.4764
180 minute winter	34	124	7.609	0.264	6.2	0.0317	0.0000	OK	3.009	35	4.2	0.193	0.002	2.3797
									Infiltration		1.2			
180 minute winter	35	124	7.610	0.335	4.8	0.0401	0.0000	OK	3.010	36	2.8	0.040	0.001	5.0381
									Infiltration		1.0			
180 minute winter	36	120	7.609	0.504	3.1	0.0575	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.7			
180 minute winter	37	112	6.528	0.023	0.5	0.0028	0.0000	OK	3.012	38	0.5	0.034	0.000	2.3329
180 minute winter	38	112	6.528	0.253	3.4	0.0316	0.0000	OK	3.013	39	-2.4	-0.075	-0.002	1.7092
									Infiltration		1.1			
									Infiltration		1.5			
180 minute winter	39	112	6.528	0.073	2.7	0.0088	0.0000	OK	3.014	40	-2.2	-0.236	-0.001	0.3363
									Infiltration		0.2			
180 minute winter	40	100	6.711	0.018	2.3	0.0019	0.0000	OK	3.015	41	-1.8	-0.218	-0.001	0.1053
									Infiltration		0.0			
180 minute winter	41	100	6.880	0.015	1.8	0.0018	0.0000	OK	3.016	42	-1.3	-0.185	-0.001	0.0882
									Infiltration		0.0			
180 minute winter	42	96	7.096	0.011	1.3	0.0014	0.0000	OK	3.017	43	-0.8	-0.121	-0.001	0.0859
									Infiltration		0.0			
180 minute winter	43	96	7.159	0.014	0.8	0.0017	0.0000	OK	3.018	44	-0.3	-0.059	0.000	0.0671
									Infiltration		0.0			
180 minute winter	44	100	7.232	0.007	0.5	0.0008	0.0000	OK	3.019	45	0.2	0.043	0.000	0.0543
180 minute winter	45	100	7.206	0.011	0.7	0.0013	0.0000	OK	3.020	46	0.7	0.112	0.000	0.0778
									Infiltration		0.0			
180 minute winter	46	100	7.137	0.012	1.2	0.0015	0.0000	OK	3.021	47	1.1	0.185	0.000	0.0975
									Infiltration		0.0			
180 minute winter	47	104	6.980	0.015	1.6	0.0018	0.0000	OK	3.022	48	1.6	0.114	0.001	0.7232
									Infiltration		0.0			
180 minute winter	48	140	6.948	0.151	2.1	0.0181	0.0000	OK	3.023	53	1.9	0.129	0.002	1.4023
									Infiltration		0.2			
180 minute winter	49	292	7.686	-0.314	625.5	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
180 minute winter	50	4	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
180 minute winter	51	4	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
180 minute winter	52	4	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
180 minute winter	53	140	6.948	0.151	2.4	0.0193	0.0000	OK	3.024	54	1.9	0.117	0.001	2.5909
									Infiltration		0.2			
180 minute winter	54	140	6.948	0.321	2.3	0.0365	0.0000	OK	3.025	54_OUT	0.8	0.037	0.000	5.9643
									Infiltration		0.3			
180 minute winter	54_OUT	140	6.948	0.441	1.2	0.0529	0.0000	OK	Infiltration		0.4			

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180 minute winter	55	140	8.494	0.048	1.5	0.0162	0.0000 OK	5.000	56	1.5	0.321	0.203	0.1165
180 minute winter	56	140	8.493	0.077	3.0	0.3030	0.0000 OK	5.001	57	2.8	0.397	0.224	0.2815
								Infiltration		0.2			
180 minute winter	57	140	8.493	0.183	4.3	0.7982	0.0000 SURCHARGED	5.002	58	3.4	0.372	0.423	0.5462
								Infiltration		0.3			
180 minute winter	58	140	8.492	0.247	4.8	1.9190	0.0000 SURCHARGED	5.003	59	3.6	0.331	0.485	0.3806
								Infiltration		0.5			
180 minute winter	59	140	8.492	0.257	5.1	1.7572	0.0000 OK	5.004	60	3.0	0.074	0.004	8.2021
								Infiltration		0.4			
180 minute winter	60	140	8.492	0.307	4.5	0.1044	0.0000 OK	5.005	61	1.0	0.048	0.001	12.5565
								Infiltration		0.5			
180 minute winter	61	140	8.492	0.356	2.5	0.1211	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.7			
180 minute winter	62	96	8.155	0.019	1.5	0.0064	0.0000 OK	5.007	63	1.5	0.064	0.001	7.1723
180 minute winter	63	144	8.114	0.278	3.3	0.0944	0.0000 OK	5.008	63_OUT	0.5	0.026	0.000	6.3151
								Infiltration		0.6			
180 minute winter	63_OUT	144	8.114	0.348	1.5	0.1185	0.0000 OK	Infiltration		0.4			
180 minute winter	64	148	6.441	0.256	0.7	0.0409	0.0000 OK	6.000	65	0.3	0.044	0.000	2.3547
180 minute winter	65	148	6.441	0.316	1.1	0.0506	0.0000 OK	6.001	66	0.2	0.050	0.000	3.3279
								Infiltration		0.2			
180 minute winter	66	148	6.441	0.348	1.0	0.0550	0.0000 OK	6.002	67	-0.3	0.023	0.000	1.9380
								Infiltration		0.2			
180 minute winter	67	148	6.441	0.365	0.7	0.0586	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
180 minute winter	68	144	6.105	0.029	0.7	0.0045	0.0000 OK	6.004	69	0.7	0.037	0.000	4.2515
180 minute winter	69	144	6.105	0.340	1.4	0.0544	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
180 minute winter	70	148	5.920	0.155	0.7	0.0265	0.0000 OK	6.006	71	0.5	0.042	0.000	1.3018
180 minute winter	71	148	5.920	0.235	1.2	0.0377	0.0000 OK	6.007	72	0.3	0.011	0.000	4.2579
								Infiltration		0.1			
180 minute winter	72	148	5.920	0.235	1.0	0.0377	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
180 minute winter	73	176	6.094	0.389	0.7	0.0623	0.0000 OK	6.009	74	0.3	0.018	0.000	2.9702
180 minute winter	74	176	6.094	0.389	1.0	0.0623	0.0000 OK	6.010	75	0.2	0.043	0.000	2.3442
								Infiltration		0.1			
180 minute winter	75	176	6.094	0.389	0.9	0.0623	0.0000 OK	6.011	76	0.3	0.034	0.000	2.5448
								Infiltration		0.1			
180 minute winter	76	176	6.094	0.459	0.9	0.0698	0.0000 OK	6.012	75_OUT	-0.2	-0.007	0.000	2.5706
								Infiltration		0.1			
180 minute winter	76_OUT	176	6.094	0.459	0.7	0.0735	0.0000 OK	Infiltration		0.1			

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Results for 30 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 95.83%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	1	112	9.800	0.500	6.2	0.0000	0.0000	FLOOD RISK	1.000	2	-6.2	-0.198	-0.282	0.4853	
240 minute summer	2	112	9.800	0.550	11.7	0.0000	0.0000	FLOOD RISK	1.001	3	-11.7	-0.373	-0.587	1.1264	
240 minute summer	3	112	9.800	0.650	17.1	0.0000	0.0000	FLOOD RISK	1.002	4	-17.1	-0.545	-0.897	0.4988	
240 minute summer	4	112	9.800	0.700	20.8	0.0000	0.0000	FLOOD RISK	1.003	5	-20.8	-0.664	-0.903	0.8441	
240 minute summer	5	112	9.800	0.800	22.6	0.0000	0.0000	FLOOD RISK	1.004	6	-22.8	-0.729	-0.610	0.1621	
240 minute summer	6	112	9.800	0.900	38.0	14.5620	0.0000	FLOOD RISK	1.005	7	34.4	0.880	0.710	0.7796	
240 minute summer	7	112	9.800	1.050	51.0	7.6848	0.0000	FLOOD RISK	1.006	8	52.8	0.863	0.751	2.4923	
240 minute summer	8	112	9.800	1.250	88.7	13.9161	0.0000	FLOOD RISK	1.007	9	89.0	0.852	0.823	5.9230	
240 minute summer	9	112	9.800	1.450	151.5	21.0004	0.0000	FLOOD RISK	1.008	10	151.0	0.779	0.637	3.1360	
240 minute summer	10	112	9.800	1.500	162.9	3.8618	0.0000	FLOOD RISK	1.009	11	162.8	0.833	1.192	47.8613	
240 minute summer	11	112	9.800	1.800	162.8	0.0000	0.0000	FLOOD RISK	1.010	12	162.8	0.832	0.585	53.3278	
240 minute summer	12	84	7.750	1.000	162.8	0.0000	0.0000	FLOOD RISK	1.011	13	162.8	1.167	0.829	0.2863	
240 minute summer	13	128	9.621	0.121	162.8	0.0000	0.0000	OK	1.012	13_OUT	162.8	4.486	0.132	0.2174	
240 minute summer	13_OUT	128	7.902	0.369	162.8	0.0000	0.0000	OK	Flow through pond	49	452.9	0.068	0.000	1382.3796	
240 minute summer	14	108	9.800	0.500	1.7	0.0000	0.0000	FLOOD RISK	2.000	15	-1.7	-0.053	-0.055	0.8136	
240 minute summer	15	108	9.800	0.714	27.2	9.5624	0.0000	FLOOD RISK	2.001	16	26.3	0.745	0.542	0.9254	
240 minute summer	16	108	9.800	0.809	26.3	0.0000	0.0000	FLOOD RISK	2.002	17	26.6	0.742	0.539	0.6320	
240 minute summer	17	108	9.800	0.941	39.5	4.2945	0.0000	FLOOD RISK	2.003	18	39.8	0.709	0.510	1.8756	
240 minute summer	18	108	9.800	1.119	71.3	9.6706	0.0000	FLOOD RISK	2.004	19	72.0	0.733	0.572	5.4890	
240 minute summer	19	108	9.800	1.344	126.3	15.5175	0.0000	FLOOD RISK	2.005	20	127.2	0.805	0.645	4.0628	
240 minute summer	20	108	9.800	1.389	127.2	0.0000	0.0000	FLOOD RISK	2.006	21	127.3	1.119	0.644	3.4979	
240 minute summer	21	112	9.800	1.428	127.3	0.0000	0.0000	FLOOD RISK	2.007	22	127.4	0.957	0.214	3.7404	
240 minute summer	22	112	9.800	1.800	162.4	9.2313	0.0000	FLOOD RISK	2.008	23	162.8	0.833	0.585	53.3017	
240 minute summer	23	60	7.750	1.000	162.8	0.0000	0.0000	FLOOD RISK	2.009	24	162.8	1.167	0.829	0.2865	
240 minute summer	24	128	9.621	0.121	162.8	0.0000	0.0000	OK	2.010	24_OUT	162.9	4.489	0.132	0.2172	
240 minute summer	24_OUT	128	7.903	0.369	162.9	0.0000	0.0000	OK	Flow through pond	49	452.9	0.068	0.000	1382.3796	
240 minute summer	25	124	8.838	0.042	3.1	0.0269	0.0000	OK	3.000	26	3.1	0.573	0.172	0.1913	
240 minute summer	26	124	8.496	0.061	8.2	0.2039	0.0000	OK	3.001	27	5.6	0.784	0.350	0.2824	
									Infiltration		0.5				
240 minute summer	27	124	8.180	0.065	8.7	0.2780	0.0000	OK	3.002	28	7.8	1.020	0.386	0.2495	
									Infiltration		0.7				
240 minute summer	28	124	7.764	0.069	10.9	0.2986	0.0000	OK	3.003	29	10.3	1.182	0.436	0.3125	
									Infiltration		0.5				
240 minute summer	29	124	7.144	0.079	13.4	0.2990	0.0000	OK	3.004	30	12.8	1.444	0.460	0.0602	
									Infiltration		0.4				
240 minute summer	30	148	6.979	0.154	13.4	0.0185	0.0000	OK	3.005	31	12.5	0.197	0.005	3.1572	
240 minute summer	31	148	6.979	0.284	13.1	0.0340	0.0000	OK	3.006	32	9.8	0.102	0.006	3.4829	
									Infiltration		1.7				
240 minute summer	32	148	6.979	0.334	10.4	0.0400	0.0000	OK	3.007	33	6.2	0.076	0.004	2.9330	

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									Infiltration		1.4				
									Infiltration		1.5				
240 minute summer	33	148	6.979	0.204	6.8	0.0244	0.0000	OK	3.008	34	5.8	0.212	0.004	2.0802	
240 minute summer	34	148	6.978	0.233	6.2	0.0280	0.0000	OK	3.009	35	4.1	0.219	0.002	2.0452	
									Infiltration		1.1				
240 minute summer	35	148	6.979	0.304	4.5	0.0364	0.0000	OK	3.010	36	3.0	0.041	0.001	4.5196	
									Infiltration		1.0				
240 minute summer	36	148	6.978	0.473	3.3	0.0540	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		1.6				
240 minute summer	37	140	6.518	0.013	0.5	0.0018	0.0000	OK	3.012	38	0.6	0.034	0.000	2.1693	
240 minute summer	38	140	6.519	0.254	3.6	0.0304	0.0000	OK	3.013	39	-2.6	-0.075	-0.002	1.5997	
									Infiltration		1.0				
									Infiltration		1.5				
240 minute summer	39	140	6.519	0.064	3.1	0.0077	0.0000	OK	3.014	40	-2.5	-0.243	-0.002	0.2955	
									Infiltration		0.2				
240 minute summer	40	124	6.712	0.017	2.8	0.0021	0.0000	OK	3.015	41	-2.0	-0.227	-0.001	0.1124	
									Infiltration		0.0				
240 minute summer	41	124	6.881	0.018	2.0	0.0019	0.0000	OK	3.018	42	-1.4	-0.194	-0.001	0.0945	
									Infiltration		0.0				
240 minute summer	42	124	7.097	0.012	1.5	0.0015	0.0000	OK	3.017	43	-0.9	-0.126	-0.001	0.0922	
									Infiltration		0.0				
240 minute summer	43	124	7.160	0.015	1.0	0.0018	0.0000	OK	3.018	44	-0.4	-0.063	0.000	0.0724	
									Infiltration		0.0				
240 minute summer	44	124	7.232	0.007	0.5	0.0009	0.0000	OK	3.019	45	0.2	0.046	0.000	0.0589	
240 minute summer	45	124	7.297	0.012	0.5	0.0014	0.0000	OK	3.020	46	0.8	0.118	0.000	0.0839	
									Infiltration		0.0				
240 minute summer	46	124	7.138	0.013	1.4	0.0016	0.0000	OK	3.021	47	1.3	0.173	0.000	0.1045	
									Infiltration		0.0				
240 minute summer	47	124	6.981	0.018	1.9	0.0019	0.0000	OK	3.022	48	1.8	0.113	0.001	0.5921	
									Infiltration		0.0				
240 minute summer	48	180	8.922	0.127	2.4	0.0152	0.0000	OK	3.023	53	1.8	0.113	0.002	1.1469	
									Infiltration		0.1				
240 minute summer	49	292	7.576	-0.324	461.7	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
240 minute summer	50	4	7.460	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
240 minute summer	51	4	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
240 minute summer	52	4	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
240 minute summer	53	180	8.922	0.137	2.3	0.0164	0.0000	OK	3.024	54	1.7	0.117	0.001	2.2727	
									Infiltration		0.2				
240 minute summer	54	150	5.922	0.297	2.1	0.0358	0.0000	OK	3.025	54_OUT	0.6	0.037	0.000	4.6263	
									Infiltration		0.3				
240 minute summer	54_OUT	180	8.922	0.417	1.1	0.0509	0.0000	OK	Infiltration		0.4				
240 minute summer	55	124	6.493	0.047	1.9	0.0160	0.0000	OK	5.000	56	1.8	0.328	0.215	0.0814	
240 minute summer	56	124	6.465	0.049	3.2	0.1725	0.0000	OK	5.001	57	2.9	0.413	0.234	0.2358	

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								Infiltration		0.2					
240 minute summer	57	184	8.463	0.153	4.5	0.8141	0.0000 SURCHARGED	5.002	58	3.8	0.386	0.473	0.5462		
								Infiltration		0.3					
240 minute summer	58	184	8.463	0.218	5.3	1.6328	0.0000 SURCHARGED	5.003	59	3.8	0.302	0.587	0.3908		
								Infiltration		0.5					
240 minute summer	59	168	8.462	0.257	5.3	1.5498	0.0000 OK	5.004	60	3.1	0.061	0.004	7.1080		
								Infiltration		0.4					
240 minute summer	60	168	8.462	0.277	4.7	0.0943	0.0000 OK	5.005	61	1.6	0.040	0.001	11.0280		
								Infiltration		0.5					
240 minute summer	61	168	8.462	0.328	2.5	0.1110	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		0.7					
240 minute summer	62	128	8.155	0.019	1.8	0.0865	0.0000 OK	5.007	63	1.5	0.055	0.001	5.3417		
240 minute summer	63	176	8.089	0.253	3.4	0.0860	0.0000 OK	5.008	63_OUT	0.4	0.022	0.000	5.6453		
								Infiltration		0.6					
240 minute summer	63_OUT	172	8.089	0.324	1.6	0.1102	0.0000 OK	Infiltration		0.4					
240 minute summer	64	168	8.410	0.225	0.8	0.0360	0.0000 OK	6.000	65	0.3	0.044	0.000	2.0214		
240 minute summer	65	168	8.410	0.285	1.1	0.0456	0.0000 OK	6.001	66	0.2	0.050	0.000	2.9091		
								Infiltration		0.1					
240 minute summer	66	168	8.410	0.317	1.1	0.0501	0.0000 OK	6.002	67	-0.3	0.023	0.000	1.7075		
								Infiltration		0.2					
240 minute summer	67	168	8.410	0.334	0.8	0.0518	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
240 minute summer	68	184	8.089	0.013	0.8	0.0025	0.0000 OK	6.004	69	0.8	0.037	0.000	3.8881		
240 minute summer	69	184	8.089	0.324	1.6	0.0516	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
240 minute summer	70	168	5.897	0.142	0.8	0.0227	0.0000 OK	6.006	71	0.5	0.042	0.000	1.1098		
240 minute summer	71	168	5.897	0.212	1.3	0.0339	0.0000 OK	6.007	72	0.2	0.011	0.000	3.7022		
								Infiltration		0.1					
240 minute summer	72	168	5.897	0.212	1.0	0.0338	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
240 minute summer	73	240	6.063	0.358	0.8	0.0573	0.0000 OK	6.009	74	0.3	0.016	0.000	1.8378		
240 minute summer	74	240	6.063	0.358	1.1	0.0573	0.0000 OK	6.010	75	0.2	0.043	0.000	2.0511		
								Infiltration		0.1					
240 minute summer	75	240	6.063	0.358	1.0	0.0573	0.0000 OK	6.011	76	0.3	0.034	0.000	2.2794		
								Infiltration		0.1					
240 minute summer	76	240	6.063	0.428	1.0	0.0551	0.0000 OK	6.012	76_OUT	-0.2	-0.007	0.000	2.4086		
								Infiltration		0.1					
240 minute summer	76_OUT	240	6.063	0.428	0.8	0.0685	0.0000 OK	Infiltration		0.1					

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Results for 30 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 95.92%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	1	100	9.800	0.500	0.6	0.0000	0.0000	FLOOD RISK	1.000	2	-0.6	-0.020	-0.028	0.4653	
240 minute winter	2	100	9.800	0.550	4.0	0.0000	0.0000	FLOOD RISK	1.001	3	-4.0	-0.268	-0.203	1.1284	
240 minute winter	3	100	9.800	0.650	15.1	0.0000	0.0000	FLOOD RISK	1.002	4	-15.1	-0.481	-0.712	0.4986	
240 minute winter	4	100	9.800	0.700	18.9	0.0000	0.0000	FLOOD RISK	1.003	5	-18.9	-0.603	-0.818	0.8441	
240 minute winter	5	100	9.800	0.800	21.2	0.0000	0.0000	FLOOD RISK	1.004	6	-21.2	-0.679	-0.568	0.1621	
240 minute winter	6	100	9.800	0.900	38.2	11.5829	0.0000	FLOOD RISK	1.005	7	26.3	0.865	0.544	0.7796	
240 minute winter	7	100	9.800	1.050	46.9	6.2419	0.0000	FLOOD RISK	1.006	8	41.3	0.849	0.588	2.4823	
240 minute winter	8	100	9.800	1.250	76.9	11.6479	0.0000	FLOOD RISK	1.007	9	71.0	0.855	0.656	5.9230	
240 minute winter	9	100	9.800	1.450	129.5	18.0250	0.0000	FLOOD RISK	1.008	10	129.3	0.802	0.507	3.1360	
240 minute winter	10	100	9.800	1.500	129.7	3.3523	0.0000	FLOOD RISK	1.009	11	129.7	0.699	0.878	47.8613	
240 minute winter	11	108	9.800	1.800	129.7	0.0000	0.0000	FLOOD RISK	1.010	12	129.7	0.744	0.450	53.3278	
240 minute winter	12	60	7.750	1.000	129.7	0.0000	0.0000	FLOOD RISK	1.011	13	129.8	0.950	0.680	0.2796	
240 minute winter	13	128	9.605	0.108	129.8	0.0000	0.0000	OK	1.012	13_OUT	129.8	4.201	0.105	0.1849	
240 minute winter	13_OUT	132	7.854	0.320	129.8	0.0000	0.0000	OK	Flow through pond	49	482.2	0.071	0.000	1586.6349	
240 minute winter	14	100	9.800	0.500	0.5	0.0000	0.0000	FLOOD RISK	2.000	15	-0.5	-0.017	-0.018	0.8136	
240 minute winter	15	100	9.800	0.714	30.2	7.5746	0.0000	FLOOD RISK	2.001	16	30.1	0.754	0.414	0.9254	
240 minute winter	16	100	9.800	0.809	23.4	0.0000	0.0000	FLOOD RISK	2.002	17	30.1	0.753	0.409	0.8329	
240 minute winter	17	104	9.800	0.941	30.4	3.5805	0.0000	FLOOD RISK	2.003	18	30.4	0.752	0.389	1.8750	
240 minute winter	18	104	9.800	1.119	55.3	8.2882	0.0000	FLOOD RISK	2.004	19	55.3	0.780	0.440	5.4890	
240 minute winter	19	104	9.800	1.344	98.6	13.8893	0.0000	FLOOD RISK	2.005	20	98.2	0.828	0.498	4.0628	
240 minute winter	20	104	9.800	1.389	98.2	0.0000	0.0000	FLOOD RISK	2.006	21	98.2	1.157	0.486	3.4978	
240 minute winter	21	104	9.800	1.428	98.2	0.0000	0.0000	FLOOD RISK	2.007	22	98.2	1.013	0.165	3.7404	
240 minute winter	22	104	9.800	1.800	125.7	8.4410	0.0000	FLOOD RISK	2.008	23	125.8	0.784	0.437	53.3017	
240 minute winter	23	52	7.750	1.000	125.8	0.0000	0.0000	FLOOD RISK	2.009	24	125.8	0.924	0.641	0.2790	
240 minute winter	24	128	9.606	0.106	125.8	0.0000	0.0000	OK	2.010	24_OUT	125.8	4.165	0.102	0.1808	
240 minute winter	24_OUT	128	7.847	0.314	125.8	0.0000	0.0000	OK	Flow through pond	49	482.2	0.071	0.000	1586.6349	
240 minute winter	25	124	8.832	0.036	2.3	0.0232	0.0000	OK	3.000	28	2.3	0.539	0.128	0.1550	
240 minute winter	26	128	8.488	0.053	4.8	0.1547	0.0000	OK	3.001	27	4.2	0.729	0.283	0.2287	
									Infiltration		0.4				
240 minute winter	27	128	8.171	0.056	6.5	0.2093	0.0000	OK	3.002	28	5.9	0.948	0.292	0.2023	
									Infiltration		0.5				
240 minute winter	28	128	7.754	0.058	8.2	0.1596	0.0000	OK	3.003	29	7.8	1.106	0.331	0.2527	
									Infiltration		0.4				
240 minute winter	29	128	7.132	0.067	10.1	0.1583	0.0000	OK	3.004	30	9.7	1.356	0.350	0.5488	
									Infiltration		0.4				
240 minute winter	30	156	6.978	0.151	10.1	0.0181	0.0000	OK	3.005	31	9.5	0.155	0.004	3.1060	
240 minute winter	31	156	6.978	0.281	10.0	0.0337	0.0000	OK	3.006	32	7.5	0.107	0.004	3.4389	
									Infiltration		1.7				

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240 minute winter	32	156	6.978	0.331	7.9	0.0397	0.0000 OK	3.007	33	4.5	0.083	0.003	2.8926
								Infiltration		1.3			
								Infiltration		1.5			
240 minute winter	33	156	6.978	0.201	4.9	0.0241	0.0000 OK	3.008	34	4.5	0.195	0.003	2.0450
240 minute winter	34	156	6.978	0.231	4.8	0.0277	0.0000 OK	3.009	35	3.5	0.187	0.001	2.0159
								Infiltration		1.1			
240 minute winter	35	156	6.975	0.301	3.8	0.0361	0.0000 OK	3.010	36	1.9	0.038	0.001	4.4722
								Infiltration		0.9			
240 minute winter	36	156	6.978	0.471	2.2	0.0537	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.6			
240 minute winter	37	128	6.512	0.007	0.4	0.0008	0.0000 OK	3.012	38	0.4	0.034	0.000	2.0001
240 minute winter	38	144	6.507	0.242	2.9	0.0290	0.0000 OK	3.013	39	-2.1	-0.075	-0.001	1.4670
								Infiltration		1.0			
								Infiltration		1.4			
240 minute winter	39	144	6.507	0.052	2.2	0.0062	0.0000 OK	3.014	40	-1.8	-0.224	-0.001	0.2430
								Infiltration		0.1			
240 minute winter	40	124	6.709	0.014	1.8	0.0017	0.0000 OK	3.015	41	-1.4	-0.203	-0.001	0.0916
								Infiltration		0.0			
240 minute winter	41	124	6.878	0.013	1.4	0.0016	0.0000 OK	3.016	42	-1.0	-0.169	-0.001	0.0768
								Infiltration		0.0			
240 minute winter	42	124	7.095	0.010	1.0	0.0012	0.0000 OK	3.017	43	-0.6	-0.111	0.000	0.0746
								Infiltration		0.0			
240 minute winter	43	120	7.157	0.012	0.8	0.0015	0.0000 OK	3.018	44	-0.2	-0.054	0.000	0.0585
								Infiltration		0.0			
240 minute winter	44	124	7.231	0.006	0.4	0.0007	0.0000 OK	3.019	45	0.2	0.038	0.000	0.0473
240 minute winter	45	128	7.205	0.010	0.5	0.0012	0.0000 OK	3.020	46	0.5	0.103	0.000	0.0676
								Infiltration		0.0			
240 minute winter	46	132	7.136	0.011	0.9	0.0013	0.0000 OK	3.021	47	0.9	0.151	0.000	0.0848
								Infiltration		0.0			
240 minute winter	47	132	6.978	0.013	1.3	0.0016	0.0000 OK	3.022	48	1.3	0.102	0.000	0.7092
								Infiltration		0.0			
240 minute winter	48	176	6.943	0.148	1.7	0.0176	0.0000 OK	3.023	53	1.4	0.107	0.002	1.3754
								Infiltration		0.2			
240 minute winter	49	480	7.698	-0.302	505.3	0.0000	0.0000 OK	Orifice	50	0.0			
								Infiltration		0.0			
240 minute winter	50	4	7.400	0.000	0.0	0.0000	0.0000 OK	4.001	51	0.0	0.000	0.000	0.0000
240 minute winter	51	4	7.300	0.000	0.0	0.0000	0.0000 OK	4.002	52	0.0	0.000	0.000	0.0000
240 minute winter	52	4	7.200	0.000	0.0	0.0000	0.0000 OK	4.003	53	0.0	0.000	0.000	0.0000
240 minute winter	53	176	6.943	0.158	1.8	0.0190	0.0000 OK	3.024	54	1.5	0.117	0.000	2.5577
								Infiltration		0.2			
240 minute winter	54	176	6.943	0.318	1.8	0.0382	0.0000 OK	3.025	54_OUT	0.7	0.037	0.000	5.0158
								Infiltration		0.3			
240 minute winter	54_OUT	176	6.943	0.438	1.8	0.0526	0.0000 OK	Infiltration		0.4			

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240 minute winter	55	176	8.487	0.041	1.2	0.0140	0.0000 OK	5.006	56	1.2	0.303	0.162	0.1007
240 minute winter	56	176	8.486	0.070	2.4	0.2722	0.0000 OK	5.001	57	2.2	0.378	0.178	0.2709
								Infiltration		0.2			
240 minute winter	57	176	8.488	0.176	3.4	0.7572	0.0000 SURCHARGED	5.002	58	2.9	0.351	0.357	0.5462
								Infiltration		0.3			
240 minute winter	58	176	8.488	0.241	4.1	1.8548	0.0000 SURCHARGED	5.003	59	2.9	0.316	0.393	0.3806
								Infiltration		0.5			
240 minute winter	59	176	8.485	0.250	4.1	1.7106	0.0000 OK	5.004	60	2.4	0.061	0.003	7.9504
								Infiltration		0.4			
240 minute winter	60	176	8.485	0.300	3.6	0.1021	0.0000 OK	5.005	61	0.6	0.042	0.001	12.2043
								Infiltration		0.5			
240 minute winter	61	176	8.485	0.349	2.0	0.1188	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.7			
240 minute winter	62	132	8.152	0.016	1.2	0.0056	0.0000 OK	5.007	63	1.2	0.058	0.001	7.0992
240 minute winter	63	180	8.111	0.275	2.6	0.0936	0.0000 OK	5.008	63_OUT	0.4	0.024	0.000	6.2557
								Infiltration		0.6			
240 minute winter	63_OUT	180	8.111	0.348	1.2	0.1178	0.0000 OK	Infiltration		0.4			
240 minute winter	64	184	6.442	0.257	0.8	0.0411	0.0000 OK	6.000	65	0.3	0.044	0.000	2.3644
240 minute winter	65	184	6.442	0.317	0.9	0.0507	0.0000 OK	6.001	66	0.2	0.050	0.000	3.3399
								Infiltration		0.2			
240 minute winter	66	184	6.442	0.348	0.9	0.0551	0.0000 OK	6.002	67	-0.3	0.023	0.000	1.9446
								Infiltration		0.2			
240 minute winter	67	184	6.442	0.366	0.8	0.0587	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
240 minute winter	68	180	6.105	0.029	0.5	0.0045	0.0000 OK	6.004	69	0.5	0.037	0.000	4.2604
240 minute winter	69	180	6.105	0.340	1.2	0.0544	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
240 minute winter	70	184	5.918	0.153	0.8	0.0261	0.0000 OK	6.006	71	0.4	0.042	0.000	1.2842
240 minute winter	71	184	5.918	0.233	1.0	0.0373	0.0000 OK	6.007	72	0.2	0.011	0.000	4.2071
								Infiltration		0.1			
240 minute winter	72	184	5.918	0.233	0.8	0.0373	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
240 minute winter	73	236	6.098	0.394	0.8	0.0630	0.0000 OK	6.009	74	0.3	0.018	0.000	2.1073
240 minute winter	74	236	6.098	0.394	0.9	0.0630	0.0000 OK	6.010	75	0.2	0.043	0.000	2.3863
								Infiltration		0.1			
240 minute winter	75	236	6.099	0.394	0.8	0.0630	0.0000 OK	6.011	76	0.3	0.034	0.000	2.5872
								Infiltration		0.1			
240 minute winter	76	236	6.099	0.464	0.8	0.0705	0.0000 OK	6.012	75_OUT	-0.1	-0.007	0.000	2.7123
								Infiltration		0.1			
240 minute winter	76_OUT	236	6.099	0.464	0.8	0.0742	0.0000 OK	Infiltration		0.1			

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Results for 30 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 95.90%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	1	160	9.800	0.500	0.4	0.0000	0.0000	FLOOD RISK	1.000	2	-0.4	-0.012	-0.017	0.4853	
360 minute summer	2	160	9.800	0.550	0.7	0.0000	0.0000	FLOOD RISK	1.001	3	0.7	0.023	0.036	1.1264	
360 minute summer	3	160	9.800	0.650	11.2	0.0000	0.0000	FLOOD RISK	1.002	4	-11.2	-0.505	-0.528	0.4988	
360 minute summer	4	160	9.800	0.700	12.8	0.0000	0.0000	FLOOD RISK	1.003	5	-12.8	-0.411	-0.557	0.8441	
360 minute summer	5	160	9.800	0.800	14.5	0.0000	0.0000	FLOOD RISK	1.004	6	-14.6	-0.467	-0.391	0.1621	
360 minute summer	6	160	9.800	0.900	28.5	10.9242	0.0000	FLOOD RISK	1.005	7	25.7	0.779	0.530	0.7796	
360 minute summer	7	160	9.800	1.050	38.9	5.9207	0.0000	FLOOD RISK	1.006	8	39.8	0.753	0.586	2.4923	
360 minute summer	8	168	9.800	1.250	66.5	11.1578	0.0000	FLOOD RISK	1.007	9	67.7	0.743	0.625	5.9230	
360 minute summer	9	168	9.800	1.450	114.7	17.3972	0.0000	FLOOD RISK	1.008	10	113.0	0.679	0.477	3.1360	
360 minute summer	10	168	9.800	1.500	121.3	3.2405	0.0000	FLOOD RISK	1.009	11	121.5	0.621	0.822	47.8613	
360 minute summer	11	176	9.800	1.800	121.5	0.0000	0.0000	FLOOD RISK	1.010	12	121.6	0.644	0.422	53.3278	
360 minute summer	12	88	7.750	1.000	121.6	0.0000	0.0000	FLOOD RISK	1.011	13	121.7	0.897	0.820	0.2779	
360 minute summer	13	192	9.804	0.104	121.7	0.0000	0.0000	OK	1.012	13_OUT	121.7	4.124	0.098	0.1768	
360 minute summer	13_OUT	192	7.641	0.368	121.7	0.0000	0.0000	OK	Flow through pond	49	286.4	0.047	0.000	1527.7173	
360 minute summer	14	168	9.800	0.500	0.8	0.0000	0.0000	FLOOD RISK	2.000	15	-0.8	-0.024	-0.025	0.8136	
360 minute summer	15	168	9.800	0.714	20.2	7.3230	0.0000	FLOOD RISK	2.001	16	19.2	0.638	0.397	0.9254	
360 minute summer	16	176	9.800	0.809	19.2	0.0000	0.0000	FLOOD RISK	2.002	17	19.4	0.638	0.394	0.6320	
360 minute summer	17	176	9.800	0.941	28.4	3.4976	0.0000	FLOOD RISK	2.003	18	29.0	0.641	0.371	1.8756	
360 minute summer	18	176	9.800	1.119	53.0	8.1319	0.0000	FLOOD RISK	2.004	19	51.8	0.657	0.411	5.4890	
360 minute summer	19	176	9.800	1.344	95.0	13.4877	0.0000	FLOOD RISK	2.005	20	93.4	0.670	0.474	4.0528	
360 minute summer	20	176	9.800	1.389	93.4	0.0000	0.0000	FLOOD RISK	2.006	21	93.2	0.941	0.471	3.4979	
360 minute summer	21	176	9.800	1.428	93.2	0.0000	0.0000	FLOOD RISK	2.007	22	93.1	0.867	0.156	3.7404	
360 minute summer	22	176	9.800	1.800	120.9	8.3533	0.0000	FLOOD RISK	2.008	23	120.2	0.737	0.417	53.3017	
360 minute summer	23	80	7.750	1.000	120.2	0.0000	0.0000	FLOOD RISK	2.009	24	120.2	0.887	0.612	0.2779	
360 minute summer	24	184	9.804	0.104	120.2	0.0000	0.0000	OK	2.010	24_OUT	120.1	4.107	0.097	0.1751	
360 minute summer	24_OUT	184	7.636	0.363	120.1	0.0000	0.0000	OK	Flow through pond	49	286.4	0.047	0.000	1527.7173	
360 minute summer	25	184	8.832	0.038	2.3	0.0231	0.0000	OK	3.000	26	2.3	0.530	0.127	0.1534	
360 minute summer	26	184	8.487	0.052	4.6	0.1519	0.0000	OK	3.001	27	4.1	0.726	0.257	0.2246	
									Infiltration		0.4				
360 minute summer	27	184	8.170	0.055	6.4	0.2032	0.0000	OK	3.002	28	5.7	0.940	0.283	0.1982	
									Infiltration		0.6				
360 minute summer	28	184	7.753	0.058	8.0	0.1545	0.0000	OK	3.003	29	7.5	1.099	0.319	0.2461	
									Infiltration		0.4				
360 minute summer	29	184	7.131	0.068	9.8	0.1509	0.0000	OK	3.004	30	9.4	1.344	0.338	0.0475	
									Infiltration		0.0				
360 minute summer	30	208	8.931	0.106	9.8	0.0125	0.0000	OK	3.005	31	9.3	0.147	0.004	2.3288	
360 minute summer	31	208	8.931	0.238	9.7	0.0283	0.0000	OK	3.006	32	7.3	0.073	0.004	2.7719	
									Infiltration		1.8				
360 minute summer	32	208	8.931	0.288	7.7	0.0343	0.0000	OK	3.007	33	4.4	0.055	0.003	2.2747	

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									Infiltration		1.2				
									Infiltration		1.3				
360 minute summer	33	208	6.931	0.158	4.8	0.0187	0.0000	OK	S.008	34	3.9	0.194	0.003	1.5177	
360 minute summer	34	208	6.931	0.186	4.3	0.0223	0.0000	OK	S.009	35	3.0	0.162	0.001	1.5788	
									Infiltration		1.6				
360 minute summer	35	208	6.931	0.256	3.3	0.0307	0.0000	OK	S.010	36	1.6	0.035	0.000	3.7646	
									Infiltration		0.9				
360 minute summer	36	208	6.931	0.428	1.9	0.0485	0.0000	OK	S.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		1.4				
360 minute summer	37	192	6.512	0.007	0.4	0.0008	0.0000	OK	S.012	38	0.4	0.040	0.000	1.8208	
360 minute summer	38	200	6.490	0.225	2.9	0.0270	0.0000	OK	S.013	39	-2.1	-0.086	-0.001	1.2824	
									Infiltration		0.9				
									Infiltration		1.3				
360 minute summer	39	200	6.490	0.035	2.2	0.0042	0.0000	OK	S.014	40	-1.8	-0.224	-0.001	0.1731	
									Infiltration		0.1				
360 minute summer	40	192	6.709	0.014	1.8	0.0017	0.0000	OK	S.015	41	-1.4	-0.200	-0.001	0.0916	
									Infiltration		0.0				
360 minute summer	41	192	6.878	0.013	1.4	0.0016	0.0000	OK	S.016	42	-1.0	-0.189	-0.001	0.0768	
									Infiltration		0.0				
360 minute summer	42	192	7.095	0.010	1.0	0.0012	0.0000	OK	S.017	43	-0.6	-0.111	0.000	0.0748	
									Infiltration		0.0				
360 minute summer	43	192	7.157	0.012	0.6	0.0015	0.0000	OK	S.018	44	-0.2	-0.054	0.000	0.0585	
									Infiltration		0.0				
360 minute summer	44	192	7.231	0.008	0.4	0.0007	0.0000	OK	S.019	45	0.2	0.039	0.000	0.0473	
360 minute summer	45	192	7.205	0.010	0.5	0.0012	0.0000	OK	S.020	46	0.5	0.103	0.000	0.0578	
									Infiltration		0.0				
360 minute summer	46	192	7.136	0.011	0.9	0.0013	0.0000	OK	S.021	47	0.9	0.151	0.000	0.0848	
									Infiltration		0.0				
360 minute summer	47	192	6.978	0.013	1.3	0.0016	0.0000	OK	S.022	48	1.3	0.105	0.000	0.5158	
									Infiltration		0.0				
360 minute summer	48	232	6.908	0.113	1.7	0.0135	0.0000	OK	S.023	53	1.5	0.099	0.002	1.0005	
									Infiltration		0.1				
360 minute summer	49	376	7.691	-0.369	302.8	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
360 minute summer	50	8	7.460	0.000	0.0	0.0000	0.0000	OK	S.001	51	0.0	0.000	0.000	0.0000	
360 minute summer	51	8	7.300	0.000	0.0	0.0000	0.0000	OK	S.002	52	0.0	0.000	0.000	0.0000	
360 minute summer	52	8	7.200	0.000	0.0	0.0000	0.0000	OK	S.003	53	0.0	0.000	0.000	0.0000	
360 minute summer	53	232	6.908	0.123	1.9	0.0147	0.0000	OK	S.024	54	1.3	0.117	0.000	2.0906	
									Infiltration		0.2				
360 minute summer	54	232	6.908	0.283	1.6	0.0339	0.0000	OK	S.025	54_OUT	0.6	0.034	0.000	4.3728	
									Infiltration		0.3				
360 minute summer	54_OUT	232	6.908	0.403	0.9	0.0483	0.0000	OK	Infiltration		0.4				
360 minute summer	55	184	6.486	0.040	1.2	0.0137	0.0000	OK	S.000	56	1.2	0.303	0.151	0.0560	
360 minute summer	56	184	6.458	0.042	2.4	0.1397	0.0000	OK	S.001	57	2.2	0.379	0.175	0.2171	

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								Infiltration		0.2					
360 minute summer	57	232	8.452	0.142	3.4	0.5482	0.0000	OK	5.002	58	2.8	0.340	0.351	0.5412	
								Infiltration			0.3				
360 minute summer	58	240	8.452	0.267	4.0	1.5314	0.0000	SURCHARGED	5.003	59	2.8	0.304	0.379	0.3906	
								Infiltration			0.5				
360 minute summer	59	240	8.452	0.247	4.0	1.4768	0.0000	OK	5.004	60	2.3	0.056	0.003	6.7391	
								Infiltration			0.4				
360 minute summer	60	240	8.452	0.267	3.5	0.0908	0.0000	OK	5.005	61	0.8	0.030	0.001	10.5104	
								Infiltration			0.5				
360 minute summer	61	240	8.452	0.318	2.0	0.1074	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000	
								Infiltration			0.7				
360 minute summer	62	184	8.152	0.015	1.2	0.0055	0.0000	OK	5.007	63	1.2	0.043	0.001	6.1894	
360 minute summer	63	240	8.084	0.248	2.5	0.0844	0.0000	OK	5.008	63_OUT	0.2	0.019	0.000	5.5240	
								Infiltration			0.5				
360 minute summer	63_OUT	240	8.084	0.319	1.2	0.1086	0.0000	OK	Infiltration		0.4				
360 minute summer	64	240	8.414	0.229	0.8	0.0366	0.0000	OK	6.000	65	0.2	0.046	0.000	2.0574	
360 minute summer	65	240	8.414	0.289	0.9	0.0462	0.0000	OK	6.001	66	0.2	0.042	0.000	2.9547	
								Infiltration			0.1				
360 minute summer	66	240	8.414	0.321	0.8	0.0507	0.0000	OK	6.002	67	-0.2	0.021	0.000	1.7328	
								Infiltration			0.2				
360 minute summer	67	240	8.414	0.338	0.5	0.0523	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000	
								Infiltration			0.1				
360 minute summer	68	232	8.090	0.014	0.8	0.0021	0.0000	OK	6.004	69	0.6	0.022	0.000	3.8817	
360 minute summer	69	232	8.090	0.325	1.2	0.0519	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000	
								Infiltration			0.3				
360 minute summer	70	240	5.893	0.138	0.6	0.0221	0.0000	OK	6.006	71	0.4	0.050	0.000	1.0844	
360 minute summer	71	240	5.893	0.208	1.0	0.0333	0.0000	OK	6.007	72	0.2	0.011	0.000	3.6297	
								Infiltration			0.1				
360 minute summer	72	240	5.893	0.208	0.6	0.0333	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000	
								Infiltration			0.3				
360 minute summer	73	344	6.074	0.369	0.6	0.0590	0.0000	OK	6.009	74	0.3	0.016	0.000	1.9179	
360 minute summer	74	344	6.074	0.369	0.9	0.0590	0.0000	OK	6.010	75	0.2	0.043	0.000	2.1718	
								Infiltration			0.1				
360 minute summer	75	344	6.074	0.369	0.8	0.0590	0.0000	OK	6.011	76	0.3	0.034	0.000	2.3708	
								Infiltration			0.1				
360 minute summer	76	344	6.074	0.439	0.5	0.0667	0.0000	OK	6.012	76_OUT	-0.1	0.005	0.000	2.4990	
								Infiltration			0.1				
360 minute summer	76_OUT	344	6.074	0.439	0.6	0.0702	0.0000	OK	Infiltration		0.1				

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Results for 30 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 98.31%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	1	160	9.800	0.500	0.5	0.0000	0.0000	FLOOD RISK	1.000	2	-0.5	-0.017	-0.024	0.4653	
360 minute winter	2	152	9.800	0.550	0.5	0.0000	0.0000	FLOOD RISK	1.001	3	9.7	0.023	0.036	1.1284	
360 minute winter	3	152	9.800	0.650	9.5	0.0000	0.0000	FLOOD RISK	1.002	4	-9.5	-0.491	-0.448	0.4986	
360 minute winter	4	160	9.800	0.700	11.0	0.0000	0.0000	FLOOD RISK	1.003	5	-11.0	-0.355	-0.477	0.8441	
360 minute winter	5	152	9.800	0.800	12.9	0.0000	0.0000	FLOOD RISK	1.004	6	-12.9	-0.411	-0.344	0.1621	
360 minute winter	6	152	9.800	0.900	24.3	8.8995	0.0000	FLOOD RISK	1.005	7	19.2	0.783	0.396	0.7796	
360 minute winter	7	160	9.800	1.050	30.0	4.9606	0.0000	FLOOD RISK	1.006	8	30.1	0.789	0.429	2.4923	
360 minute winter	8	160	9.800	1.250	51.8	9.6020	0.0000	FLOOD RISK	1.007	9	52.0	0.782	0.481	5.9230	
360 minute winter	9	160	9.800	1.450	88.2	15.3240	0.0000	FLOOD RISK	1.008	10	86.0	0.698	0.371	3.1360	
360 minute winter	10	160	9.800	1.500	94.7	2.8705	0.0000	FLOOD RISK	1.009	11	94.7	0.600	0.641	47.8613	
360 minute winter	11	184	9.797	1.797	94.7	0.0000	0.0000	FLOOD RISK	1.010	12	94.7	0.655	0.329	53.3278	
360 minute winter	12	80	7.750	1.000	94.7	0.0000	0.0000	FLOOD RISK	1.011	13	94.8	0.714	0.483	0.2721	
360 minute winter	13	192	9.592	0.092	94.8	0.0000	0.0000	OK	1.012	13_OUT	94.8	3.828	0.077	0.1483	
360 minute winter	13_OUT	192	7.799	0.285	94.8	0.0000	0.0000	OK	Flow through pond	49	320.6	0.043	0.000	1754.3154	
360 minute winter	14	176	9.800	0.500	2.2	0.0000	0.0000	FLOOD RISK	2.000	15	-2.2	-0.070	-0.073	0.8136	
360 minute winter	15	176	9.800	0.714	14.7	5.9345	0.0000	FLOOD RISK	2.001	16	14.5	0.661	0.300	0.9254	
360 minute winter	16	176	9.800	0.809	14.5	0.0000	0.0000	FLOOD RISK	2.002	17	14.6	0.661	0.295	0.8329	
360 minute winter	17	176	9.800	0.941	22.0	2.9612	0.0000	FLOOD RISK	2.003	18	22.0	0.685	0.282	1.8750	
360 minute winter	18	184	9.800	1.119	46.2	7.1184	0.0000	FLOOD RISK	2.004	19	46.1	0.681	0.318	5.4890	
360 minute winter	19	184	9.799	1.343	71.5	12.1138	0.0000	FLOOD RISK	2.005	20	71.4	0.732	0.362	4.9628	
360 minute winter	20	184	9.793	1.382	71.4	0.0000	0.0000	FLOOD RISK	2.006	21	71.3	1.027	0.351	3.4979	
360 minute winter	21	184	9.788	1.416	71.3	0.0000	0.0000	FLOOD RISK	2.007	22	71.3	0.891	0.120	3.7404	
360 minute winter	22	184	9.783	1.783	91.8	7.7448	0.0000	FLOOD RISK	2.008	23	91.5	0.619	0.318	53.3017	
360 minute winter	23	72	7.750	1.000	91.5	0.0000	0.0000	FLOOD RISK	2.009	24	91.5	0.691	0.486	0.2715	
360 minute winter	24	184	9.591	0.091	91.5	0.0000	0.0000	OK	2.010	24_OUT	91.5	3.769	0.074	0.1446	
360 minute winter	24_OUT	192	7.792	0.258	91.5	0.0000	0.0000	OK	Flow through pond	49	320.6	0.043	0.000	1754.3154	
360 minute winter	25	184	8.827	0.031	1.7	0.0199	0.0000	OK	3.000	28	1.7	0.489	0.094	0.1233	
360 minute winter	26	184	8.479	0.044	3.4	0.1156	0.0000	OK	3.001	27	3.0	0.670	0.190	0.1796	
									Infiltration		0.4				
360 minute winter	27	184	8.162	0.047	4.7	0.1517	0.0000	OK	3.002	28	4.2	0.865	0.269	0.1587	
									Infiltration		0.5				
360 minute winter	28	184	7.745	0.050	5.9	0.1173	0.0000	OK	3.003	29	5.6	1.016	0.238	0.1962	
									Infiltration		0.3				
360 minute winter	29	184	7.120	0.055	7.3	0.1126	0.0000	OK	3.004	30	7.0	1.248	0.251	0.0379	
									Infiltration		0.3				
360 minute winter	30	216	6.919	0.085	7.3	0.0102	0.0000	OK	3.005	31	7.0	0.138	0.003	1.9842	
360 minute winter	31	216	6.909	0.214	7.3	0.0257	0.0000	OK	3.006	32	5.6	0.095	0.003	2.4716	
									Infiltration		1.4				

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360 minute winter	32	216	6.909	0.284	5.8	0.0317	0.0000 OK	3.007	33	3.5	0.054	0.002	1.9976	
								Infiltration		1.1				
								Infiltration		1.3				
360 minute winter	33	216	6.909	0.134	3.8	0.0151	0.0000 OK	3.008	34	3.7	0.158	0.003	1.2827	
360 minute winter	34	216	6.909	0.184	4.0	0.0197	0.0000 OK	3.009	35	2.6	0.150	0.001	1.3820	
								Infiltration		0.9				
360 minute winter	35	216	6.909	0.234	2.9	0.0281	0.0000 OK	3.010	36	1.5	0.035	0.000	3.4419	
								Infiltration		0.8				
360 minute winter	36	216	6.909	0.404	1.8	0.0461	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000	
								Infiltration		1.4				
360 minute winter	37	184	6.511	0.006	0.3	0.0007	0.0000 OK	3.012	38	0.3	0.040	0.000	1.8199	
360 minute winter	38	208	6.471	0.206	2.2	0.0247	0.0000 OK	3.013	39	-1.6	-0.068	-0.001	1.0783	
								Infiltration		0.9				
								Infiltration		1.2				
360 minute winter	39	208	6.471	0.016	1.6	0.0019	0.0000 OK	3.014	40	-1.3	-0.201	-0.001	0.0968	
								Infiltration		0.0				
360 minute winter	40	184	6.707	0.012	1.3	0.0014	0.0000 OK	3.015	41	-1.0	-0.179	-0.001	0.0785	
								Infiltration		0.0				
360 minute winter	41	176	6.876	0.011	1.1	0.0013	0.0000 OK	3.016	42	-0.8	-0.151	-0.001	0.0642	
								Infiltration		0.0				
360 minute winter	42	176	7.093	0.008	0.8	0.0010	0.0000 OK	3.017	43	-0.5	-0.099	0.000	0.0627	
								Infiltration		0.0				
360 minute winter	43	176	7.155	0.010	0.5	0.0012	0.0000 OK	3.018	44	-0.2	-0.048	0.000	0.0491	
								Infiltration		0.0				
360 minute winter	44	176	7.230	0.005	0.3	0.0006	0.0000 OK	3.019	45	0.1	0.035	0.000	0.0396	
360 minute winter	45	184	7.203	0.008	0.4	0.0010	0.0000 OK	3.020	46	0.4	0.092	0.000	0.0567	
								Infiltration		0.0				
360 minute winter	46	184	7.134	0.009	0.7	0.0011	0.0000 OK	3.021	47	0.7	0.135	0.000	0.0709	
								Infiltration		0.0				
360 minute winter	47	184	6.976	0.011	1.0	0.0013	0.0000 OK	3.022	48	1.0	0.088	0.000	0.6436	
								Infiltration		0.0				
360 minute winter	48	248	6.932	0.137	1.3	0.0164	0.0000 OK	3.023	53	0.9	0.089	0.001	1.2513	
								Infiltration		0.1				
360 minute winter	49	448	7.715	-0.284	329.3	0.0000	0.0000 OK	Orifice	50	0.0				
								Infiltration		0.0				
360 minute winter	50	8	7.400	0.000	0.0	0.0000	0.0000 OK	4.001	51	0.0	0.000	0.000	0.0000	
360 minute winter	51	8	7.300	0.000	0.0	0.0000	0.0000 OK	4.002	52	0.0	0.000	0.000	0.0000	
360 minute winter	52	8	7.200	0.000	0.0	0.0000	0.0000 OK	4.003	53	0.0	0.000	0.000	0.0000	
360 minute winter	53	248	6.932	0.147	1.2	0.0176	0.0000 OK	3.024	54	1.0	0.117	0.000	2.4038	
								Infiltration		0.2				
360 minute winter	54	248	6.932	0.307	1.2	0.0368	0.0000 OK	3.025	54_OUT	0.5	0.034	0.000	4.8074	
								Infiltration		0.3				
360 minute winter	54_OUT	248	6.932	0.427	0.7	0.0512	0.0000 OK	Infiltration		0.4				

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360 minute winter	55	184	8.481	0.035	0.9	0.0119	0.0000	OK	5.006	56	0.9	0.280	0.122	0.0739
360 minute winter	56	248	8.474	0.058	1.8	0.2155	0.0000	OK	5.001	57	1.7	0.348	0.132	0.2521
									Infiltration		0.2			
360 minute winter	57	248	8.474	0.184	2.6	0.6824	0.0000	SURCHARGED	5.002	58	2.1	0.311	0.257	0.5462
									Infiltration		0.3			
360 minute winter	58	248	8.474	0.228	2.9	1.7395	0.0000	SURCHARGED	5.003	59	2.1	0.279	0.277	0.3806
									Infiltration		0.5			
360 minute winter	59	248	8.474	0.259	3.0	1.6276	0.0000	OK	5.004	60	1.7	0.060	0.002	7.5118
									Infiltration		0.4			
360 minute winter	60	248	8.474	0.289	2.6	0.0981	0.0000	OK	5.005	61	0.7	0.036	0.001	11.5921
									Infiltration		0.5			
360 minute winter	61	248	8.474	0.338	1.8	0.1148	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.7			
360 minute winter	62	192	8.150	0.014	0.9	0.0047	0.0000	OK	5.007	63	0.9	0.053	0.000	6.9917
360 minute winter	63	256	8.108	0.272	1.9	0.0926	0.0000	OK	5.008	63_OUT	0.4	0.019	0.000	6.1728
									Infiltration		0.6			
360 minute winter	63_OUT	256	8.108	0.343	0.9	0.1188	0.0000	OK	Infiltration		0.4			
360 minute winter	64	264	6.440	0.255	0.4	0.0409	0.0000	OK	6.000	65	0.2	0.048	0.000	2.3477
360 minute winter	65	264	6.440	0.315	0.6	0.0504	0.0000	OK	6.001	66	0.2	0.042	0.000	3.3190
									Infiltration		0.2			
360 minute winter	66	264	6.440	0.347	0.6	0.0549	0.0000	OK	6.002	67	-0.1	0.021	0.000	1.9331
									Infiltration		0.2			
360 minute winter	67	264	6.440	0.364	0.4	0.0585	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
360 minute winter	68	256	6.101	0.025	0.4	0.0038	0.0000	OK	6.004	69	0.4	0.022	0.000	4.1505
360 minute winter	69	256	6.101	0.336	0.6	0.0537	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
360 minute winter	70	264	5.910	0.155	0.4	0.0248	0.0000	OK	6.006	71	0.3	0.050	0.000	1.2189
360 minute winter	71	264	5.910	0.225	0.7	0.0360	0.0000	OK	6.007	72	0.2	0.011	0.000	4.0183
									Infiltration		0.1			
360 minute winter	72	264	5.910	0.225	0.6	0.0360	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
360 minute winter	73	344	6.104	0.399	0.4	0.0638	0.0000	OK	6.009	74	0.2	0.018	0.000	2.1486
360 minute winter	74	344	6.104	0.399	0.6	0.0638	0.0000	OK	6.010	75	0.2	0.043	0.000	2.4308
									Infiltration		0.1			
360 minute winter	75	344	6.104	0.399	0.5	0.0638	0.0000	OK	6.011	76	0.3	0.034	0.000	2.8320
									Infiltration		0.1			
360 minute winter	76	344	6.104	0.469	0.5	0.0713	0.0000	OK	6.012	75_OUT	0.1	0.005	0.000	2.7585
									Infiltration		0.1			
360 minute winter	76_OUT	344	6.104	0.469	0.4	0.0750	0.0000	OK	Infiltration		0.1			

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Results for 30 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 96.23%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	1	224	9.800	0.500	4.6	0.0000	0.0000	FLOOD RISK	1.000	2	-4.6	-0.224	-0.209	0.4853	
480 minute summer	2	224	9.800	0.550	9.5	0.0000	0.0000	FLOOD RISK	1.001	3	-9.5	-0.317	-0.479	1.1264	
480 minute summer	3	224	9.800	0.650	11.2	0.0000	0.0000	FLOOD RISK	1.002	4	-11.2	-0.358	-0.530	0.4988	
480 minute summer	4	224	9.800	0.700	12.2	0.0000	0.0000	FLOOD RISK	1.003	5	-12.2	-0.389	-0.528	0.8441	
480 minute summer	5	224	9.800	0.800	13.3	0.0000	0.0000	FLOOD RISK	1.004	6	-13.3	-0.424	-0.354	0.1621	
480 minute summer	6	224	9.800	0.900	22.4	9.3550	0.0000	FLOOD RISK	1.005	7	20.4	0.701	0.421	0.7796	
480 minute summer	7	224	9.800	1.050	31.8	5.1782	0.0000	FLOOD RISK	1.006	8	31.7	0.687	0.451	2.4923	
480 minute summer	8	232	9.800	1.250	55.4	9.9498	0.0000	FLOOD RISK	1.007	9	55.1	0.670	0.510	5.9230	
480 minute summer	9	232	9.800	1.450	94.0	15.7842	0.0000	FLOOD RISK	1.008	10	93.8	0.614	0.395	3.1360	
480 minute summer	10	232	9.800	1.500	101.1	2.9527	0.0000	FLOOD RISK	1.009	11	101.0	0.548	0.684	47.8613	
480 minute summer	11	240	9.800	1.800	101.0	0.0000	0.0000	FLOOD RISK	1.010	12	101.0	0.613	0.351	53.3278	
480 minute summer	12	104	7.750	1.000	101.0	0.0000	0.0000	FLOOD RISK	1.011	13	101.0	0.756	0.514	0.2735	
480 minute summer	13	248	9.595	0.095	101.0	0.0000	0.0000	OK	1.012	13_OUT	101.0	3.901	0.082	0.1550	
480 minute summer	13_OUT	248	7.606	0.273	101.0	0.0000	0.0000	OK	Flow through pond	49	179.2	0.029	0.000	1836.3163	
480 minute summer	14	240	9.800	0.500	0.7	0.0000	0.0000	FLOOD RISK	2.000	15	-0.7	-0.023	-0.024	0.8136	
480 minute summer	15	240	9.800	0.714	15.5	6.2214	0.0000	FLOOD RISK	2.001	16	15.5	0.590	0.321	0.9254	
480 minute summer	16	240	9.800	0.809	15.5	0.0000	0.0000	FLOOD RISK	2.002	17	15.5	0.591	0.315	0.6320	
480 minute summer	17	240	9.800	0.941	23.6	3.0863	0.0000	FLOOD RISK	2.003	18	23.6	0.579	0.302	1.8756	
480 minute summer	18	240	9.800	1.119	43.0	7.3229	0.0000	FLOOD RISK	2.004	19	43.0	0.602	0.341	5.4899	
480 minute summer	19	240	9.800	1.344	76.4	12.3917	0.0000	FLOOD RISK	2.005	20	76.3	0.607	0.387	4.0628	
480 minute summer	20	240	9.800	1.389	76.3	0.0000	0.0000	FLOOD RISK	2.006	21	76.3	0.854	0.386	3.4979	
480 minute summer	21	240	9.800	1.428	76.3	0.0000	0.0000	FLOOD RISK	2.007	22	76.3	0.791	0.126	3.7404	
480 minute summer	22	248	9.800	1.800	97.9	7.8687	0.0000	FLOOD RISK	2.008	23	97.9	0.681	0.340	53.3017	
480 minute summer	23	96	7.750	1.000	97.9	0.0000	0.0000	FLOOD RISK	2.009	24	97.9	0.735	0.499	0.2730	
480 minute summer	24	248	9.594	0.094	97.9	0.0000	0.0000	OK	2.010	24_OUT	97.9	3.866	0.079	0.1515	
480 minute summer	24_OUT	248	7.601	0.268	97.9	0.0000	0.0000	OK	Flow through pond	49	179.2	0.029	0.000	1836.3163	
480 minute summer	25	248	8.828	0.032	1.8	0.0205	0.0000	OK	3.000	26	1.8	0.498	0.100	0.1293	
480 minute summer	26	248	8.481	0.048	3.6	0.1224	0.0000	OK	3.001	27	3.2	0.682	0.294	0.1894	
									Infiltration		0.4				
480 minute summer	27	248	8.164	0.048	5.0	0.1830	0.0000	OK	3.002	28	4.5	0.864	0.225	0.1879	
									Infiltration		0.5				
480 minute summer	28	248	7.747	0.052	6.3	0.1257	0.0000	OK	3.003	29	6.0	1.038	0.255	0.2078	
									Infiltration		0.3				
480 minute summer	29	248	7.133	0.058	7.6	0.1212	0.0000	OK	3.004	30	7.5	1.273	0.271	0.0402	
									Infiltration		0.3				
480 minute summer	30	264	6.890	0.065	7.8	0.0079	0.0000	OK	3.005	31	7.8	0.139	0.003	1.6786	
480 minute summer	31	264	6.689	0.194	8.1	0.0233	0.0000	OK	3.006	32	8.2	0.073	0.004	2.2000	
									Infiltration		1.0				
480 minute summer	32	264	6.889	0.244	8.5	0.0293	0.0000	OK	3.007	33	3.7	0.057	0.002	1.7489	

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									Infiltration		1.1				
									Infiltration		1.2				
480 minute summer	33	264	6.889	0.114	4.0	0.0137	0.0000	OK	3.008	34	3.9	0.169	0.003	1.0727	
480 minute summer	34	264	6.889	0.144	4.2	0.0172	0.0000	OK	3.009	35	2.8	0.159	0.001	1.2052	
									Infiltration		0.9				
480 minute summer	35	264	6.889	0.214	3.1	0.0256	0.0000	OK	3.010	36	1.8	0.035	0.001	3.1487	
									Infiltration		0.8				
480 minute summer	36	264	6.888	0.363	2.0	0.0437	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		1.3				
480 minute summer	37	248	6.511	0.008	0.3	0.0007	0.0000	OK	3.012	38	0.3	0.040	0.000	1.4656	
480 minute summer	38	264	6.455	0.190	2.2	0.0228	0.0000	OK	3.013	39	-1.6	-0.086	-0.001	0.9701	
									Infiltration		0.8				
									Infiltration		1.1				
480 minute summer	39	256	6.469	0.014	1.5	0.0017	0.0000	OK	3.014	40	-1.3	-0.201	-0.001	0.0918	
									Infiltration		0.0				
480 minute summer	40	256	6.707	0.012	1.3	0.0014	0.0000	OK	3.015	41	-1.0	-0.178	-0.001	0.0765	
									Infiltration		0.0				
480 minute summer	41	248	6.875	0.011	1.1	0.0013	0.0000	OK	3.018	42	-0.8	-0.151	-0.001	0.0542	
									Infiltration		0.0				
480 minute summer	42	248	7.093	0.008	0.8	0.0010	0.0000	OK	3.017	43	-0.5	-0.099	0.000	0.0627	
									Infiltration		0.0				
480 minute summer	43	248	7.155	0.010	0.5	0.0012	0.0000	OK	3.018	44	-0.2	-0.048	0.000	0.0491	
									Infiltration		0.0				
480 minute summer	44	248	7.230	0.005	0.3	0.0006	0.0000	OK	3.019	45	0.1	0.035	0.000	0.0396	
480 minute summer	45	256	7.293	0.008	0.4	0.0010	0.0000	OK	3.020	46	0.4	0.092	0.000	0.0567	
									Infiltration		0.0				
480 minute summer	46	256	7.134	0.009	0.7	0.0011	0.0000	OK	3.021	47	0.7	0.135	0.000	0.0709	
									Infiltration		0.0				
480 minute summer	47	256	6.975	0.011	1.0	0.0013	0.0000	OK	3.022	48	1.0	0.088	0.000	0.4283	
									Infiltration		0.0				
480 minute summer	48	296	6.890	0.095	1.3	0.0115	0.0000	OK	3.023	53	1.1	0.098	0.001	0.8294	
									Infiltration		0.1				
480 minute summer	49	624	7.702	-0.298	201.7	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
480 minute summer	50	8	7.460	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
480 minute summer	51	8	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
480 minute summer	52	8	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
480 minute summer	53	296	6.890	0.105	1.4	0.0127	0.0000	OK	3.024	54	1.0	0.117	0.000	1.8742	
									Infiltration		0.2				
480 minute summer	54	296	6.890	0.265	1.2	0.0319	0.0000	OK	3.025	54_OUT	0.6	0.034	0.000	4.0700	
									Infiltration		0.2				
480 minute summer	54_OUT	296	6.890	0.385	0.7	0.0463	0.0000	OK	Infiltration		0.4				
480 minute summer	55	248	6.481	0.035	0.9	0.0119	0.0000	OK	5.000	56	0.9	0.280	0.122	0.0540	
480 minute summer	56	248	6.453	0.037	1.8	0.1120	0.0000	OK	5.001	57	1.7	0.358	0.132	0.1762	

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								Infiltration		0.1				
480 minute summer	57	304	8.429	0.119	2.8	0.4075	0.0000 OK	S.002	S8	2.3	0.321	0.291	0.5055	
								Infiltration		0.3				
480 minute summer	58	304	8.429	0.184	3.2	1.3172	0.0000 SURCHARGED	S.003	S9	2.3	0.289	0.385	0.3906	
								Infiltration		0.5				
480 minute summer	59	304	8.429	0.224	3.2	1.3134	0.0000 OK	S.004	S0	1.8	0.048	0.003	5.9380	
								Infiltration		0.3				
480 minute summer	60	304	8.429	0.244	2.7	0.0628	0.0000 OK	S.005	S1	0.7	0.030	0.001	9.3659	
								Infiltration		0.5				
480 minute summer	61	304	8.429	0.293	1.5	0.0995	0.0000 OK	S.006	S2	0.0	0.000	0.000	0.0000	
								Infiltration		0.6				
480 minute summer	62	248	8.150	0.014	0.9	0.0047	0.0000 OK	S.007	S3	0.9	0.043	0.000	5.8758	
480 minute summer	63	312	8.069	0.233	1.9	0.0791	0.0000 OK	S.008	S3_OUT	0.2	0.019	0.000	5.1159	
								Infiltration		0.5				
480 minute summer	63_OUT	312	8.069	0.364	0.9	0.1032	0.0000 OK	Infiltration		0.3				
480 minute summer	64	304	8.387	0.262	0.4	0.0324	0.0000 OK	S.000	S5	0.2	0.046	0.000	1.7854	
480 minute summer	65	304	8.387	0.262	0.6	0.0429	0.0000 OK	S.001	S6	0.2	0.042	0.000	2.6117	
								Infiltration		0.1				
480 minute summer	66	304	8.387	0.294	0.8	0.0465	0.0000 OK	S.002	S7	-0.1	0.021	0.000	1.5437	
								Infiltration		0.2				
480 minute summer	67	304	8.387	0.311	0.4	0.0483	0.0000 OK	S.003	S8	0.0	0.000	0.000	0.0000	
								Infiltration		0.1				
480 minute summer	68	256	8.083	0.007	0.4	0.0016	0.0000 OK	S.004	S9	0.4	0.022	0.000	3.4581	
480 minute summer	69	304	8.068	0.303	0.8	0.0484	0.0000 OK	S.005	S0	0.0	0.000	0.000	0.0000	
								Infiltration		0.3				
480 minute summer	70	304	5.873	0.118	0.4	0.0188	0.0000 OK	S.006	S1	0.3	0.050	0.000	0.9289	
480 minute summer	71	304	5.873	0.188	0.7	0.0300	0.0000 OK	S.007	S2	0.2	0.011	0.000	3.1725	
								Infiltration		0.1				
480 minute summer	72	304	5.873	0.188	0.6	0.0300	0.0000 OK	S.008	S3	0.0	0.000	0.000	0.0000	
								Infiltration		0.3				
480 minute summer	73	400	8.046	0.341	0.4	0.0545	0.0000 OK	S.009	S4	0.2	0.016	0.000	1.7155	
480 minute summer	74	400	8.046	0.341	0.5	0.0545	0.0000 OK	S.010	S5	0.2	0.043	0.000	1.9428	
								Infiltration		0.1				
480 minute summer	75	400	8.046	0.341	0.5	0.0545	0.0000 OK	S.011	S6	0.3	0.034	0.000	2.1393	
								Infiltration		0.1				
480 minute summer	76	400	8.046	0.411	0.5	0.0625	0.0000 OK	S.012	S6_OUT	0.1	0.005	0.000	2.2702	
								Infiltration		0.1				
480 minute summer	76_OUT	400	8.046	0.411	0.4	0.0657	0.0000 OK	Infiltration		0.1				

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Results for 30 year 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 98.46%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	1	232	9.800	0.500	0.4	0.0000	0.0000	FLOOD RISK	1.000	2	0.4	0.012	0.017	0.4653	
480 minute winter	2	232	9.800	0.550	0.9	0.0000	0.0000	FLOOD RISK	1.001	3	-0.6	-0.018	-0.028	1.1284	
480 minute winter	3	232	9.800	0.650	9.3	0.0000	0.0000	FLOOD RISK	1.002	4	-9.3	-0.428	-0.442	0.4986	
480 minute winter	4	232	9.800	0.700	12.0	0.0000	0.0000	FLOOD RISK	1.003	5	-12.0	-0.367	-0.522	0.8441	
480 minute winter	5	232	9.800	0.800	13.3	0.0000	0.0000	FLOOD RISK	1.004	6	-13.3	-0.424	-0.355	0.1621	
480 minute winter	6	232	9.800	0.900	28.3	7.7088	0.0000	FLOOD RISK	1.005	7	15.2	0.728	0.313	0.7796	
480 minute winter	7	232	9.800	1.050	24.0	4.3893	0.0000	FLOOD RISK	1.006	8	24.0	0.691	0.341	2.4823	
480 minute winter	8	240	9.800	1.250	41.5	8.6827	0.0000	FLOOD RISK	1.007	9	41.5	0.691	0.384	5.9230	
480 minute winter	9	248	9.800	1.450	79.4	14.1005	0.0000	FLOOD RISK	1.008	10	79.4	0.648	0.297	3.1360	
480 minute winter	10	248	9.796	1.496	75.9	2.6518	0.0000	FLOOD RISK	1.009	11	75.9	0.553	0.514	47.8613	
480 minute winter	11	248	9.717	1.717	75.9	0.0000	0.0000	FLOOD RISK	1.010	12	75.9	0.547	0.264	53.3278	
480 minute winter	12	96	7.750	1.000	75.9	0.0000	0.0000	FLOOD RISK	1.011	13	75.9	0.582	0.387	0.2678	
480 minute winter	13	248	9.583	0.083	75.9	0.0000	0.0000	OK	1.012	13_OUT	75.9	3.585	0.061	0.1269	
480 minute winter	13_OUT	256	7.765	0.232	75.9	0.0000	0.0000	OK	Flow through pond	49	255.6	0.039	0.000	1873.6328	
480 minute winter	14	248	9.739	0.439	3.9	0.0000	0.0000	FLOOD RISK	2.000	15	-3.9	-0.152	-0.130	0.8136	
480 minute winter	15	248	9.739	0.653	13.6	5.1741	0.0000	FLOOD RISK	2.001	16	11.6	0.634	0.239	0.9254	
480 minute winter	16	248	9.733	0.742	11.6	0.0000	0.0000	FLOOD RISK	2.002	17	11.6	0.609	0.235	0.8329	
480 minute winter	17	248	9.729	0.870	17.8	2.7001	0.0000	FLOOD RISK	2.003	18	17.8	0.610	0.225	1.8750	
480 minute winter	18	248	9.724	1.043	32.0	6.5635	0.0000	FLOOD RISK	2.004	19	32.0	0.634	0.254	5.4890	
480 minute winter	19	248	9.718	1.280	56.9	11.3638	0.0000	FLOOD RISK	2.005	20	56.9	0.845	0.269	4.9628	
480 minute winter	20	248	9.712	1.301	56.9	0.0000	0.0000	FLOOD RISK	2.006	21	56.9	0.905	0.288	3.4979	
480 minute winter	21	248	9.709	1.337	56.9	0.0000	0.0000	FLOOD RISK	2.007	22	56.9	0.814	0.095	3.7404	
480 minute winter	22	248	9.706	1.706	72.9	7.4099	0.0000	FLOOD RISK	2.008	23	72.9	0.580	0.253	53.3017	
480 minute winter	23	88	7.750	1.000	72.9	0.0000	0.0000	FLOOD RISK	2.009	24	72.9	0.560	0.371	0.2671	
480 minute winter	24	248	9.581	0.081	72.9	0.0000	0.0000	OK	2.010	24_OUT	72.9	3.544	0.059	0.1232	
480 minute winter	24_OUT	256	7.759	0.225	72.9	0.0000	0.0000	OK	Flow through pond	49	255.6	0.039	0.000	1873.6328	
480 minute winter	25	240	8.823	0.027	1.3	0.0175	0.0000	OK	3.000	28	1.3	0.456	0.072	0.1017	
480 minute winter	26	240	8.474	0.038	2.8	0.0905	0.0000	OK	3.001	27	2.3	0.623	0.145	0.1471	
									Infiltration		0.3				
480 minute winter	27	240	8.155	0.040	3.6	0.1175	0.0000	OK	3.002	28	3.2	0.801	0.158	0.1298	
									Infiltration		0.4				
480 minute winter	28	248	7.738	0.043	4.5	0.0921	0.0000	OK	3.003	29	4.2	0.946	0.179	0.1598	
									Infiltration		0.3				
480 minute winter	29	248	7.112	0.047	5.5	0.0876	0.0000	OK	3.004	30	5.3	1.184	0.191	0.0309	
									Infiltration		0.2				
480 minute winter	30	248	6.882	0.037	5.5	0.0044	0.0000	OK	3.005	31	5.5	0.138	0.002	1.2085	
480 minute winter	31	280	6.855	0.180	5.7	0.0192	0.0000	OK	3.006	32	4.4	0.076	0.002	1.7713	
									Infiltration		1.2				

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480 minute winter	32	280	6.855	0.210	4.6	0.0252	0.0000 OK	3.007	33	2.6	0.043	0.002	1.3579
								Infiltration		1.0			
								Infiltration		1.1			
480 minute winter	33	280	6.855	0.080	2.8	0.0096	0.0000 OK	3.008	34	2.6	0.158	0.002	0.7450
480 minute winter	34	280	6.854	0.108	3.0	0.0131	0.0000 OK	3.009	35	2.2	0.154	0.001	0.9265
								Infiltration		0.8			
480 minute winter	35	280	6.854	0.179	2.4	0.0215	0.0000 OK	3.010	36	1.5	0.035	0.000	2.5801
								Infiltration		0.7			
480 minute winter	36	280	6.854	0.349	1.7	0.0398	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.2			
480 minute winter	37	208	6.509	0.004	0.2	0.0005	0.0000 OK	3.012	38	0.2	0.040	0.000	1.0706
480 minute winter	38	304	6.412	0.147	1.5	0.0177	0.0000 OK	3.013	39	-1.1	-0.068	-0.001	0.7128
								Infiltration		0.8			
								Infiltration		0.8			
480 minute winter	39	208	6.466	0.011	1.1	0.0013	0.0000 OK	3.014	40	-0.9	-0.171	-0.001	0.0710
								Infiltration		0.0			
480 minute winter	40	208	6.704	0.008	0.8	0.0011	0.0000 OK	3.015	41	-0.7	-0.152	0.000	0.0594
								Infiltration		0.0			
480 minute winter	41	208	6.874	0.009	0.7	0.0010	0.0000 OK	3.016	42	-0.5	-0.129	0.000	0.0499
								Infiltration		0.0			
480 minute winter	42	208	7.092	0.007	0.5	0.0008	0.0000 OK	3.017	43	-0.3	-0.084	0.000	0.0466
								Infiltration		0.0			
480 minute winter	43	200	7.153	0.008	0.3	0.0010	0.0000 OK	3.018	44	-0.1	-0.041	0.000	0.0383
								Infiltration		0.0			
480 minute winter	44	208	7.229	0.004	0.2	0.0005	0.0000 OK	3.019	45	0.1	0.030	0.000	0.0309
480 minute winter	45	216	7.201	0.006	0.3	0.0008	0.0000 OK	3.020	46	0.3	0.078	0.000	0.0440
								Infiltration		0.0			
480 minute winter	46	216	7.132	0.007	0.5	0.0008	0.0000 OK	3.021	47	0.5	0.115	0.000	0.0550
								Infiltration		0.0			
480 minute winter	47	216	6.974	0.008	0.7	0.0010	0.0000 OK	3.022	48	0.6	0.077	0.000	0.4437
								Infiltration		0.0			
480 minute winter	48	312	6.894	0.098	0.8	0.0116	0.0000 OK	3.023	53	0.9	0.089	0.001	0.8595
								Infiltration		0.1			
480 minute winter	49	584	7.728	-0.271	256.7	0.0000	0.0000 OK	Orifice	50	0.0			
								Infiltration		0.0			
480 minute winter	50	8	7.400	0.000	0.0	0.0000	0.0000 OK	4.001	51	0.0	0.000	0.000	0.0000
480 minute winter	51	8	7.300	0.000	0.0	0.0000	0.0000 OK	4.002	52	0.0	0.000	0.000	0.0000
480 minute winter	52	8	7.200	0.000	0.0	0.0000	0.0000 OK	4.003	53	0.0	0.000	0.000	0.0000
480 minute winter	53	312	6.894	0.109	1.1	0.0130	0.0000 OK	3.024	54	1.0	0.117	0.000	1.9124
								Infiltration		0.2			
480 minute winter	54	312	6.894	0.289	1.2	0.0322	0.0000 OK	3.025	54_OUT	0.5	0.034	0.000	4.1238
								Infiltration		0.2			
480 minute winter	54_OUT	312	6.894	0.388	0.7	0.0486	0.0000 OK	Infiltration		0.4			

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480 minute winter	55	240	8.477	0.031	0.7	0.0105	0.0000 OK	5.000	56	0.7	0.262	0.095	0.0450
480 minute winter	56	248	8.448	0.032	1.4	0.0898	0.0000 OK	5.001	57	1.3	0.333	0.102	0.1985
								Infiltration		0.1			
480 minute winter	57	320	8.444	0.134	2.6	0.4955	0.0000 OK	5.002	58	1.9	0.308	0.232	0.5304
								Infiltration		0.3			
480 minute winter	58	320	8.444	0.199	2.8	1.4538	0.0000 SURCHARGED	5.003	59	1.8	0.293	0.237	0.3806
								Infiltration		0.5			
480 minute winter	59	320	8.443	0.238	2.5	1.4176	0.0000 OK	5.004	60	1.4	0.051	0.002	6.4431
								Infiltration		0.4			
480 minute winter	60	320	8.443	0.258	2.1	0.0879	0.0000 OK	5.005	61	0.6	0.031	0.001	10.0952
								Infiltration		0.5			
480 minute winter	61	320	8.443	0.307	1.3	0.1045	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.7			
480 minute winter	62	264	8.148	0.012	0.7	0.0041	0.0000 OK	5.007	63	0.7	0.043	0.000	6.1832
480 minute winter	63	328	8.084	0.248	1.4	0.0844	0.0000 OK	5.008	63_OUT	0.2	0.018	0.000	5.5227
								Infiltration		0.5			
480 minute winter	63_OUT	328	8.084	0.318	0.7	0.1086	0.0000 OK	Infiltration		0.4			
480 minute winter	64	328	8.425	0.241	0.3	0.0386	0.0000 OK	6.000	65	0.2	0.048	0.000	2.1914
480 minute winter	65	328	8.426	0.301	0.5	0.0482	0.0000 OK	6.001	66	0.2	0.042	0.000	3.1228
								Infiltration		0.1			
480 minute winter	66	328	8.426	0.333	0.4	0.0526	0.0000 OK	6.002	67	-0.1	0.021	0.000	1.8253
								Infiltration		0.2			
480 minute winter	67	328	8.426	0.350	0.3	0.0543	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
480 minute winter	68	320	6.091	0.015	0.3	0.0023	0.0000 OK	6.004	69	0.3	0.022	0.000	3.9106
480 minute winter	69	320	6.091	0.326	0.5	0.0521	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
480 minute winter	70	328	5.895	0.140	0.3	0.0224	0.0000 OK	6.006	71	0.2	0.050	0.000	1.0994
480 minute winter	71	328	5.895	0.210	0.5	0.0336	0.0000 OK	6.007	72	0.2	0.011	0.000	3.6728
								Infiltration		0.1			
480 minute winter	72	328	5.895	0.210	0.5	0.0336	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
480 minute winter	73	448	6.094	0.388	0.3	0.0622	0.0000 OK	6.009	74	0.2	0.018	0.000	2.0875
480 minute winter	74	448	6.094	0.389	0.5	0.0622	0.0000 OK	6.010	75	0.2	0.043	0.000	2.3412
								Infiltration		0.1			
480 minute winter	75	448	6.094	0.389	0.4	0.0622	0.0000 OK	6.011	76	0.3	0.034	0.000	2.5418
								Infiltration		0.1			
480 minute winter	76	448	6.094	0.459	0.4	0.0697	0.0000 OK	6.012	75_OUT	0.1	0.005	0.000	2.6676
								Infiltration		0.1			
480 minute winter	76_OUT	448	6.094	0.459	0.3	0.0734	0.0000 OK	Infiltration		0.1			

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Results for 30 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 86.34%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	1	300	9.800	0.500	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	0.2	0.007	0.010	0.4853	
600 minute summer	2	300	9.800	0.550	0.2	0.0000	0.0000	FLOOD RISK	1.001	3	0.5	0.015	0.023	1.1264	
600 minute summer	3	300	9.800	0.650	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	0.7	0.022	0.032	0.4986	
600 minute summer	4	300	9.800	0.700	0.7	0.0000	0.0000	FLOOD RISK	1.003	5	0.8	0.026	0.035	0.8441	
600 minute summer	5	300	9.800	0.800	1.2	0.0000	0.0000	FLOOD RISK	1.004	6	-1.2	-0.241	-0.031	0.1621	
600 minute summer	6	300	9.800	0.900	16.5	8.0360	0.0000	FLOOD RISK	1.005	7	16.5	0.641	0.340	0.7796	
600 minute summer	7	300	9.800	1.050	25.0	4.5898	0.0000	FLOOD RISK	1.006	8	26.0	0.630	0.370	2.4923	
600 minute summer	8	300	9.800	1.250	45.1	8.9726	0.0000	FLOOD RISK	1.007	9	45.1	0.609	0.417	5.9230	
600 minute summer	9	300	9.800	1.450	78.4	14.4860	0.0000	FLOOD RISK	1.008	10	78.3	0.571	0.322	3.1360	
600 minute summer	10	300	9.800	1.550	82.2	2.7207	0.0000	FLOOD RISK	1.009	11	82.2	0.498	0.557	47.8613	
600 minute summer	11	315	9.743	1.743	82.2	0.0000	0.0000	FLOOD RISK	1.010	12	82.2	0.578	0.286	53.3278	
600 minute summer	12	135	7.750	1.000	82.2	0.0000	0.0000	FLOOD RISK	1.011	13	82.2	0.626	0.418	0.2892	
600 minute summer	13	315	9.586	0.086	82.2	0.0000	0.0000	OK	1.012	13_OUT	82.2	3.671	0.056	0.1342	
600 minute summer	13_OUT	315	7.775	0.242	82.2	0.0000	0.0000	OK	Flow through pond	49	140.2	0.024	0.000	1715.4552	
600 minute summer	14	315	9.768	0.468	1.8	0.0000	0.0000	FLOOD RISK	2.000	15	-1.8	-0.073	-0.061	0.8136	
600 minute summer	15	315	9.766	0.582	12.5	5.4081	0.0000	FLOOD RISK	2.001	16	12.6	0.554	0.280	0.9254	
600 minute summer	16	315	9.762	0.771	12.6	0.0000	0.0000	FLOOD RISK	2.002	17	12.6	0.555	0.256	0.6320	
600 minute summer	17	315	9.757	0.896	19.1	2.7863	0.0000	FLOOD RISK	2.003	18	19.1	0.539	0.244	1.8756	
600 minute summer	18	315	9.751	1.070	34.7	6.7330	0.0000	FLOOD RISK	2.004	19	34.7	0.549	0.276	5.4890	
600 minute summer	19	315	9.742	1.288	61.5	11.5938	0.0000	FLOOD RISK	2.005	20	61.6	0.568	0.312	4.0628	
600 minute summer	20	315	9.737	1.328	61.6	0.0000	0.0000	FLOOD RISK	2.006	21	61.6	0.800	0.311	3.4979	
600 minute summer	21	315	9.734	1.362	61.6	0.0000	0.0000	FLOOD RISK	2.007	22	61.6	0.745	0.103	3.7404	
600 minute summer	22	315	9.729	1.728	79.0	7.5128	0.0000	FLOOD RISK	2.008	23	79.0	0.488	0.274	53.3017	
600 minute summer	23	120	7.750	1.000	79.0	0.0000	0.0000	FLOOD RISK	2.009	24	79.0	0.603	0.402	0.2586	
600 minute summer	24	315	9.584	0.084	79.0	0.0000	0.0000	OK	2.010	24_OUT	79.0	3.628	0.054	0.1304	
600 minute summer	24_OUT	315	7.769	0.236	79.0	0.0000	0.0000	OK	Flow through pond	49	140.2	0.024	0.000	1715.4552	
600 minute summer	25	315	8.824	0.028	1.4	0.0181	0.0000	OK	3.000	26	1.4	0.486	0.078	0.1574	
600 minute summer	26	315	8.475	0.040	2.8	0.0988	0.0000	OK	3.001	27	2.5	0.636	0.156	0.1558	
									Infiltration		0.3				
600 minute summer	27	315	8.157	0.042	3.9	0.1265	0.0000	OK	3.002	28	3.5	0.820	0.171	0.1377	
									Infiltration		0.4				
600 minute summer	28	315	7.740	0.045	4.9	0.0988	0.0000	OK	3.003	29	4.6	0.968	0.194	0.1898	
									Infiltration		0.3				
600 minute summer	29	315	7.114	0.049	6.0	0.0942	0.0000	OK	3.004	30	5.8	1.189	0.207	0.0328	
									Infiltration		0.2				
600 minute summer	30	315	6.864	0.039	6.1	0.0047	0.0000	OK	3.005	31	6.1	0.135	0.003	1.2857	
600 minute summer	31	330	6.860	0.165	6.4	0.0196	0.0000	OK	3.006	32	4.9	0.060	0.003	1.8285	
									Infiltration		1.2				
600 minute summer	32	330	6.859	0.214	5.2	0.0257	0.0000	OK	3.007	33	3.2	0.050	0.002	1.4100	

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									Infiltration		1.0				
									Infiltration		1.1				
600 minute summer	33	330	6.859	0.084	3.5	0.0101	0.0000	OK	3.008	34	3.3	0.153	0.002	0.7885	
600 minute summer	34	330	6.859	0.114	3.6	0.0137	0.0000	OK	3.009	35	2.4	0.146	0.001	0.9538	
									Infiltration		0.8				
600 minute summer	35	330	6.859	0.184	2.7	0.0221	0.0000	OK	3.010	36	1.4	0.028	0.000	2.7434	
									Infiltration		0.7				
600 minute summer	36	330	6.859	0.334	1.7	0.0403	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		1.2				
600 minute summer	37	315	6.511	0.008	0.3	0.0007	0.0000	OK	3.012	38	0.3	0.023	0.000	1.4020	
600 minute summer	38	330	6.449	0.184	2.2	0.0221	0.0000	OK	3.013	39	-1.6	-0.087	-0.001	0.9277	
									Infiltration		0.8				
									Infiltration		1.1				
600 minute summer	39	315	6.469	0.014	1.5	0.0017	0.0000	OK	3.014	40	-1.3	-0.201	-0.001	0.0918	
									Infiltration		0.0				
600 minute summer	40	315	6.707	0.012	1.3	0.0014	0.0000	OK	3.015	41	-1.0	-0.178	-0.001	0.0765	
									Infiltration		0.0				
600 minute summer	41	315	6.875	0.011	1.1	0.0013	0.0000	OK	3.018	42	-0.8	-0.151	-0.001	0.0542	
									Infiltration		0.0				
600 minute summer	42	315	7.093	0.008	0.8	0.0010	0.0000	OK	3.017	43	-0.5	-0.099	0.000	0.0627	
									Infiltration		0.0				
600 minute summer	43	315	7.155	0.010	0.5	0.0012	0.0000	OK	3.018	44	-0.2	-0.048	0.000	0.0491	
									Infiltration		0.0				
600 minute summer	44	315	7.230	0.005	0.3	0.0006	0.0000	OK	3.019	45	0.1	0.035	0.000	0.0396	
600 minute summer	45	315	7.293	0.008	0.4	0.0010	0.0000	OK	3.020	46	0.4	0.092	0.000	0.0567	
									Infiltration		0.0				
600 minute summer	46	315	7.134	0.009	0.7	0.0011	0.0000	OK	3.021	47	0.7	0.135	0.000	0.0709	
									Infiltration		0.0				
600 minute summer	47	315	6.975	0.011	1.0	0.0013	0.0000	OK	3.022	48	1.0	0.093	0.000	0.4102	
									Infiltration		0.0				
600 minute summer	48	380	6.887	0.092	1.3	0.0111	0.0000	OK	3.023	53	1.1	0.089	0.001	0.7972	
									Infiltration		0.1				
600 minute summer	49	735	7.710	-0.290	188.1	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
600 minute summer	50	15	7.460	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
600 minute summer	51	15	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
600 minute summer	52	15	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
600 minute summer	53	380	6.887	0.102	1.4	0.0123	0.0000	OK	3.024	54	1.0	0.117	0.000	1.8333	
									Infiltration		0.2				
600 minute summer	54	380	6.887	0.262	1.2	0.0315	0.0000	OK	3.025	54_OUT	0.6	0.032	0.000	4.0124	
									Infiltration		0.2				
600 minute summer	54_OUT	380	6.887	0.382	0.7	0.0459	0.0000	OK	Infiltration		0.4				
600 minute summer	55	315	6.479	0.003	0.8	0.0112	0.0000	OK	5.000	56	0.8	0.271	0.198	0.0495	
600 minute summer	56	315	6.450	0.034	1.8	0.1012	0.0000	OK	5.001	57	1.5	0.346	0.117	0.1668	

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								Infiltration		0.1					
600 minute summer	57	375	8.423	0.113	2.3	0.3897	0.0000 OK	S.002	S8	2.6	0.309	0.255	0.4933		
								Infiltration		0.3					
600 minute summer	58	375	8.422	0.177	2.6	1.2815	0.0000 SURCHARGED	S.003	S9	1.9	0.284	0.259	0.3908		
								Infiltration		0.4					
600 minute summer	59	375	8.422	0.217	2.7	1.2896	0.0000 OK	S.004	S0	1.5	0.042	0.002	5.7283		
								Infiltration		0.3					
600 minute summer	60	375	8.422	0.237	2.8	0.0807	0.0000 OK	S.005	S1	0.6	0.030	0.001	9.0909		
								Infiltration		0.4					
600 minute summer	61	375	8.422	0.288	1.4	0.0973	0.0000 OK	S.006	S2	0.0	0.000	0.000	0.0000		
								Infiltration		0.6					
600 minute summer	62	315	8.149	0.013	0.8	0.0044	0.0000 OK	S.007	S3	0.8	0.044	0.000	5.6048		
600 minute summer	63	375	8.066	0.230	1.7	0.0783	0.0000 OK	S.008	S3_OUT	0.2	0.018	0.000	5.0528		
								Infiltration		0.5					
600 minute summer	63_OUT	375	8.066	0.361	0.8	0.1024	0.0000 OK	Infiltration		0.3					
600 minute summer	64	375	8.386	0.261	0.4	0.0322	0.0000 OK	S.009	S5	0.2	0.041	0.000	1.7721		
600 minute summer	65	375	8.386	0.261	0.6	0.0418	0.0000 OK	S.001	S6	0.1	0.039	0.000	2.5948		
								Infiltration		0.1					
600 minute summer	66	375	8.386	0.293	0.8	0.0463	0.0000 OK	S.002	S7	-0.1	-0.002	0.000	1.5345		
								Infiltration		0.2					
600 minute summer	67	375	8.386	0.310	0.4	0.0481	0.0000 OK	S.003	S8	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
600 minute summer	68	315	8.083	0.007	0.4	0.0016	0.0000 OK	S.004	S9	0.4	0.028	0.000	3.3945		
600 minute summer	69	375	8.064	0.298	0.8	0.0478	0.0000 OK	S.005	S0	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
600 minute summer	70	375	5.871	0.116	0.4	0.0186	0.0000 OK	S.006	S1	0.3	0.034	0.000	9.9172		
600 minute summer	71	375	5.871	0.186	0.7	0.0298	0.0000 OK	S.007	S2	0.2	0.009	0.000	3.1441		
								Infiltration		0.1					
600 minute summer	72	375	5.871	0.186	0.6	0.0298	0.0000 OK	S.008	S3	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
600 minute summer	73	450	6.042	0.337	0.4	0.0540	0.0000 OK	S.009	S4	0.2	0.016	0.000	1.6803		
600 minute summer	74	450	6.042	0.337	0.5	0.0540	0.0000 OK	S.010	S5	0.2	0.043	0.000	1.9141		
								Infiltration		0.1					
600 minute summer	75	450	6.042	0.337	0.5	0.0540	0.0000 OK	S.011	S6	0.3	0.030	0.000	2.1105		
								Infiltration		0.1					
600 minute summer	76	450	6.042	0.407	0.5	0.0519	0.0000 OK	S.012	S6_OUT	0.1	0.005	0.000	2.2418		
								Infiltration		0.1					
600 minute summer	76_OUT	450	6.042	0.407	0.4	0.0652	0.0000 OK	Infiltration		0.1					

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Results for 30 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 98.61%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	1	315	9.751	0.451	0.4	0.0000	0.0000	FLOOD RISK	1.000	2	-0.4	-0.011	-0.016	0.4653	
600 minute winter	2	315	9.751	0.501	0.5	0.0000	0.0000	FLOOD RISK	1.001	3	-0.5	-0.017	-0.027	1.1284	
600 minute winter	3	315	9.751	0.601	1.5	0.0000	0.0000	FLOOD RISK	1.002	4	-1.5	-0.047	-0.070	0.4986	
600 minute winter	4	315	9.751	0.851	2.3	0.0000	0.0000	FLOOD RISK	1.003	5	-2.3	-0.075	-0.101	0.8441	
600 minute winter	5	315	9.751	0.751	3.1	0.0000	0.0000	FLOOD RISK	1.004	6	-3.1	-0.098	-0.052	0.1621	
600 minute winter	6	315	9.751	0.851	12.6	7.0179	0.0000	FLOOD RISK	1.005	7	12.6	0.684	0.280	0.7796	
600 minute winter	7	315	9.746	0.996	19.9	4.0577	0.0000	FLOOD RISK	1.006	8	19.9	0.640	0.283	2.4823	
600 minute winter	8	315	9.737	1.187	34.5	8.1496	0.0000	FLOOD RISK	1.007	9	34.5	0.624	0.318	5.9230	
600 minute winter	9	315	9.727	1.377	58.5	13.3903	0.0000	FLOOD RISK	1.008	10	58.5	0.613	0.347	3.1360	
600 minute winter	10	315	9.724	1.424	63.0	2.5247	0.0000	FLOOD RISK	1.009	11	63.0	0.512	0.426	47.8613	
600 minute winter	11	315	9.670	1.870	63.0	0.0000	0.0000	FLOOD RISK	1.010	12	63.0	0.474	0.219	53.3278	
600 minute winter	12	120	7.750	1.000	63.0	0.0000	0.0000	FLOOD RISK	1.011	13	63.0	0.489	0.321	0.2644	
600 minute winter	13	315	9.575	0.076	63.0	0.0000	0.0000	OK	1.012	13_OUT	63.0	3.395	0.051	0.1112	
600 minute winter	13_OUT	330	7.742	0.209	63.0	0.0000	0.0000	OK	Flow through pond	49	189.4	0.024	0.000	1963.7181	
600 minute winter	14	315	9.684	0.384	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.0	0.001	0.001	0.8136	
600 minute winter	15	315	9.684	0.598	9.6	4.7428	0.0000	FLOOD RISK	2.001	16	9.6	0.579	0.198	0.9254	
600 minute winter	16	315	9.680	0.688	9.6	0.0000	0.0000	FLOOD RISK	2.002	17	9.6	0.571	0.195	0.8329	
600 minute winter	17	315	9.675	0.819	14.8	2.5406	0.0000	FLOOD RISK	2.003	18	14.8	0.578	0.187	1.8750	
600 minute winter	18	315	9.674	0.993	26.8	6.2497	0.0000	FLOOD RISK	2.004	19	26.8	0.589	0.211	5.4890	
600 minute winter	19	315	9.669	1.213	47.2	10.9398	0.0000	FLOOD RISK	2.005	20	47.2	0.614	0.239	4.0628	
600 minute winter	20	315	9.668	1.255	47.2	0.0000	0.0000	FLOOD RISK	2.006	21	47.2	0.864	0.239	3.4979	
600 minute winter	21	315	9.664	1.292	47.2	0.0000	0.0000	FLOOD RISK	2.007	22	47.2	0.768	0.079	3.7404	
600 minute winter	22	315	9.662	1.662	50.5	7.2182	0.0000	FLOOD RISK	2.008	23	50.5	0.557	0.210	53.3017	
600 minute winter	23	120	7.750	1.000	50.5	0.0000	0.0000	FLOOD RISK	2.009	24	50.5	0.471	0.308	0.2640	
600 minute winter	24	315	9.574	0.074	50.5	0.0000	0.0000	OK	2.010	24_OUT	50.5	3.354	0.049	0.1080	
600 minute winter	24_OUT	645	7.740	0.207	50.5	0.0000	0.0000	OK	Flow through pond	49	189.4	0.024	0.000	1963.7181	
600 minute winter	25	315	8.621	0.025	1.1	0.0161	0.0000	OK	3.000	26	1.1	0.436	0.061	0.0899	
600 minute winter	26	315	8.479	0.035	2.2	0.0778	0.0000	OK	3.001	27	1.9	0.594	0.121	0.1292	
									Infiltration		0.3				
600 minute winter	27	315	8.152	0.037	3.0	0.0999	0.0000	OK	3.002	28	2.7	0.760	0.131	0.1138	
									Infiltration		0.4				
600 minute winter	28	315	7.734	0.038	3.6	0.0787	0.0000	OK	3.003	29	3.5	0.902	0.149	0.1394	
									Infiltration		0.2				
600 minute winter	29	315	7.108	0.043	4.8	0.0744	0.0000	OK	3.004	30	4.4	1.109	0.159	0.0270	
									Infiltration		0.2				
600 minute winter	30	315	6.858	0.033	4.5	0.0040	0.0000	OK	3.005	31	4.5	0.135	0.002	0.9394	
600 minute winter	31	330	6.822	0.127	4.8	0.0152	0.0000	OK	3.006	32	3.7	0.672	0.092	1.3826	
									Infiltration		1.0				

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600 minute winter	32	330	6.821	0.176	3.8	0.0212	0.0000 OK	3.007	33	2.1	0.036	0.001	1.0049
								Infiltration		0.9			
								Infiltration		1.0			
600 minute winter	33	330	6.821	0.046	2.3	0.0055	0.0000 OK	3.008	34	2.2	0.145	0.002	0.4476
600 minute winter	34	330	6.819	0.074	2.4	0.0089	0.0000 OK	3.009	35	1.7	0.157	0.001	0.6665
								Infiltration		0.7			
600 minute winter	35	330	6.819	0.144	1.9	0.0173	0.0000 OK	3.010	36	1.4	0.027	0.000	2.2336
								Infiltration		0.8			
600 minute winter	36	330	6.819	0.314	1.5	0.0358	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.1			
600 minute winter	37	285	6.509	0.004	0.2	0.0005	0.0000 OK	3.012	38	0.2	0.023	0.000	1.0694
600 minute winter	38	360	6.412	0.147	1.5	0.0177	0.0000 OK	3.013	39	-1.1	-0.087	-0.001	0.7119
								Infiltration		0.8			
								Infiltration		0.8			
600 minute winter	39	285	6.466	0.011	1.1	0.0013	0.0000 OK	3.014	40	-0.9	-0.171	-0.001	0.0710
								Infiltration		0.0			
600 minute winter	40	285	6.704	0.008	0.8	0.0011	0.0000 OK	3.015	41	-0.7	-0.152	0.000	0.0594
								Infiltration		0.0			
600 minute winter	41	285	6.874	0.009	0.7	0.0010	0.0000 OK	3.016	42	-0.5	-0.129	0.000	0.0499
								Infiltration		0.0			
600 minute winter	42	285	7.092	0.007	0.5	0.0008	0.0000 OK	3.017	43	-0.3	-0.084	0.000	0.0466
								Infiltration		0.0			
600 minute winter	43	270	7.153	0.008	0.3	0.0010	0.0000 OK	3.018	44	-0.1	-0.041	0.000	0.0383
								Infiltration		0.0			
600 minute winter	44	285	7.229	0.004	0.2	0.0005	0.0000 OK	3.019	45	0.1	0.030	0.000	0.0309
600 minute winter	45	285	7.201	0.006	0.3	0.0008	0.0000 OK	3.020	46	0.3	0.078	0.000	0.0440
								Infiltration		0.0			
600 minute winter	46	285	7.132	0.007	0.5	0.0008	0.0000 OK	3.021	47	0.5	0.115	0.000	0.0550
								Infiltration		0.0			
600 minute winter	47	285	6.974	0.008	0.7	0.0010	0.0000 OK	3.022	48	0.6	0.077	0.000	0.4327
								Infiltration		0.0			
600 minute winter	48	375	6.892	0.097	0.8	0.0116	0.0000 OK	3.023	53	0.8	0.089	0.001	0.8414
								Infiltration		0.1			
600 minute winter	49	600	7.736	-0.252	204.7	0.0000	0.0000 OK	Orifice	50	0.0			
								Infiltration		0.0			
600 minute winter	50	15	7.400	0.000	0.0	0.0000	0.0000 OK	4.001	51	0.0	0.000	0.000	0.0000
600 minute winter	51	15	7.300	0.000	0.0	0.0000	0.0000 OK	4.002	52	0.0	0.000	0.000	0.0000
600 minute winter	52	15	7.200	0.000	0.0	0.0000	0.0000 OK	4.003	53	0.0	0.000	0.000	0.0000
600 minute winter	53	375	6.892	0.107	1.0	0.0128	0.0000 OK	3.024	54	1.0	0.117	0.000	1.3893
								Infiltration		0.2			
600 minute winter	54	375	6.892	0.287	1.2	0.0320	0.0000 OK	3.025	54_OUT	0.5	0.032	0.000	4.0915
								Infiltration		0.2			
600 minute winter	54_OUT	375	6.892	0.387	0.7	0.0464	0.0000 OK	Infiltration		0.4			

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600 minute winter	55	315	8.475	0.029	0.6	0.0097	0.0000 OK	5.000	56	0.6	0.250	0.081	0.0402
600 minute winter	56	315	8.446	0.030	1.2	0.0778	0.0000 OK	5.001	57	1.1	0.308	0.086	0.1671
								Infiltration		0.1			
600 minute winter	57	380	8.423	0.113	1.7	0.3709	0.0000 OK	5.002	58	1.4	0.290	0.177	0.4937
								Infiltration		0.3			
600 minute winter	58	390	8.423	0.178	2.0	1.2632	0.0000 SURCHARGED	5.003	59	1.3	0.272	0.176	0.3806
								Infiltration		0.4			
600 minute winter	59	390	8.422	0.217	1.9	1.2709	0.0000 OK	5.004	60	1.1	0.044	0.002	5.7345
								Infiltration		0.3			
600 minute winter	60	390	8.422	0.237	1.7	0.0807	0.0000 OK	5.005	61	0.5	0.029	0.000	9.0995
								Infiltration		0.4			
600 minute winter	61	390	8.422	0.256	1.1	0.0974	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.6			
600 minute winter	62	315	8.147	0.011	0.6	0.0037	0.0000 OK	5.007	63	0.6	0.042	0.000	5.7634
600 minute winter	63	405	8.071	0.235	1.2	0.0801	0.0000 OK	5.008	63_OUT	0.2	0.018	0.000	5.1872
								Infiltration		0.5			
600 minute winter	63_OUT	405	8.071	0.308	0.8	0.1042	0.0000 OK	Infiltration		0.3			
600 minute winter	64	405	6.413	0.228	0.3	0.0385	0.0000 OK	6.000	65	0.2	0.041	0.000	2.9539
600 minute winter	65	405	6.413	0.288	0.5	0.0461	0.0000 OK	6.001	66	0.1	0.039	0.000	2.9502
								Infiltration		0.1			
600 minute winter	66	405	6.413	0.320	0.4	0.0506	0.0000 OK	6.002	67	-0.1	-0.002	0.000	1.7303
								Infiltration		0.2			
600 minute winter	67	405	6.413	0.337	0.3	0.0523	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
600 minute winter	68	315	6.082	0.006	0.3	0.0008	0.0000 OK	6.004	69	0.3	0.028	0.000	3.8606
600 minute winter	69	405	6.080	0.315	0.5	0.0504	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
600 minute winter	70	405	5.884	0.129	0.3	0.0207	0.0000 OK	6.006	71	0.2	0.034	0.000	1.0154
600 minute winter	71	405	5.884	0.199	0.5	0.0319	0.0000 OK	6.007	72	0.2	0.009	0.000	3.4294
								Infiltration		0.1			
600 minute winter	72	405	5.884	0.199	0.5	0.0319	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
600 minute winter	73	495	6.080	0.375	0.3	0.0599	0.0000 OK	6.009	74	0.2	0.018	0.000	1.9597
600 minute winter	74	495	6.080	0.375	0.5	0.0599	0.0000 OK	6.010	75	0.2	0.043	0.000	2.2191
								Infiltration		0.1			
600 minute winter	75	495	6.080	0.375	0.4	0.0599	0.0000 OK	6.011	76	0.3	0.030	0.000	2.4187
								Infiltration		0.1			
600 minute winter	76	495	6.080	0.445	0.4	0.0676	0.0000 OK	6.012	75_OUT	0.1	0.005	0.000	2.5482
								Infiltration		0.1			
600 minute winter	76_OUT	495	6.080	0.445	0.3	0.0711	0.0000 OK	Infiltration		0.1			

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Results for 30 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 86.44%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	1	375	9.800	0.500	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.003	-0.005	0.4853	
720 minute summer	2	375	9.800	0.550	0.2	0.0000	0.0000	FLOOD RISK	1.001	3	0.2	0.005	0.009	1.1264	
720 minute summer	3	375	9.800	0.650	0.3	0.0000	0.0000	FLOOD RISK	1.002	4	-0.3	-0.008	-0.013	0.4988	
720 minute summer	4	375	9.800	0.700	0.8	0.0000	0.0000	FLOOD RISK	1.003	5	-0.8	-0.095	-0.033	0.8441	
720 minute summer	5	375	9.800	0.800	1.7	0.0000	0.0000	FLOOD RISK	1.004	6	-1.7	-0.089	-0.045	0.1821	
720 minute summer	6	375	9.800	0.900	14.5	7.5040	0.0000	FLOOD RISK	1.005	7	14.5	0.618	0.299	0.7796	
720 minute summer	7	375	9.800	1.050	22.9	4.2910	0.0000	FLOOD RISK	1.006	8	22.9	0.608	0.326	2.4923	
720 minute summer	8	375	9.792	1.242	39.6	8.5245	0.0000	FLOOD RISK	1.007	9	39.6	0.586	0.386	5.9230	
720 minute summer	9	375	9.778	1.428	67.1	13.8899	0.0000	FLOOD RISK	1.008	10	67.1	0.536	0.283	3.1360	
720 minute summer	10	375	9.774	1.474	72.3	2.6141	0.0000	FLOOD RISK	1.009	11	72.3	0.467	0.489	47.8613	
720 minute summer	11	375	9.704	1.704	72.3	0.0000	0.0000	FLOOD RISK	1.010	12	72.3	0.550	0.251	53.3278	
720 minute summer	12	150	7.750	1.000	72.3	0.0000	0.0000	FLOOD RISK	1.011	13	72.3	0.556	0.368	0.2868	
720 minute summer	13	375	9.581	0.081	72.3	0.0000	0.0000	OK	1.012	13_OUT	72.3	3.534	0.058	0.1225	
720 minute summer	13_OUT	375	7.757	0.224	72.3	0.0000	0.0000	OK	Flow through pond	49	112.7	0.620	0.000	1784.2732	
720 minute summer	14	375	9.722	0.422	0.4	0.0000	0.0000	FLOOD RISK	2.000	15	-0.4	-0.012	-0.012	0.8136	
720 minute summer	15	375	9.722	0.638	11.0	5.0455	0.0000	FLOOD RISK	2.001	16	11.0	0.517	0.227	0.9254	
720 minute summer	16	375	9.717	0.728	11.0	0.0000	0.0000	FLOOD RISK	2.002	17	11.0	0.518	0.223	0.6320	
720 minute summer	17	375	9.714	0.855	16.7	2.6525	0.0000	FLOOD RISK	2.003	18	16.7	0.504	0.214	1.8756	
720 minute summer	18	375	9.710	1.029	30.4	6.4705	0.0000	FLOOD RISK	2.004	19	30.4	0.526	0.342	5.4890	
720 minute summer	19	375	9.702	1.248	54.1	11.2378	0.0000	FLOOD RISK	2.005	20	54.1	0.536	0.274	4.0628	
720 minute summer	20	375	9.699	1.288	54.1	0.0000	0.0000	FLOOD RISK	2.006	21	54.1	0.756	0.273	3.4979	
720 minute summer	21	375	9.686	1.324	54.1	0.0000	0.0000	FLOOD RISK	2.007	22	54.1	0.706	0.091	3.7404	
720 minute summer	22	375	9.693	1.583	69.4	7.3533	0.0000	FLOOD RISK	2.008	23	69.4	0.474	0.241	53.3017	
720 minute summer	23	150	7.750	1.000	69.4	0.0000	0.0000	FLOOD RISK	2.009	24	69.4	0.535	0.353	0.2562	
720 minute summer	24	375	9.579	0.079	69.4	0.0000	0.0000	OK	2.010	24_OUT	69.4	3.494	0.056	0.1189	
720 minute summer	24_OUT	375	7.752	0.218	69.4	0.0000	0.0000	OK	Flow through pond	49	112.7	0.620	0.000	1784.2732	
720 minute summer	25	375	8.822	0.028	1.2	0.0168	0.0000	OK	3.000	26	1.2	0.447	0.087	0.0959	
720 minute summer	26	375	8.472	0.037	2.4	0.0842	0.0000	OK	3.001	27	2.1	0.609	0.133	0.1382	
									Infiltration		0.3				
720 minute summer	27	375	8.154	0.039	3.3	0.1087	0.0000	OK	3.002	28	2.9	0.782	0.145	0.1219	
									Infiltration		0.4				
720 minute summer	28	375	7.738	0.041	4.1	0.0854	0.0000	OK	3.003	29	3.9	0.926	0.184	0.1497	
									Infiltration		0.3				
720 minute summer	29	375	7.110	0.045	5.1	0.0810	0.0000	OK	3.004	30	4.8	1.138	0.175	0.0290	
									Infiltration		0.2				
720 minute summer	30	375	6.860	0.035	5.1	0.0042	0.0000	OK	3.005	31	5.1	0.138	0.002	0.9795	
720 minute summer	31	390	6.627	0.132	5.3	0.0156	0.0000	OK	3.006	32	4.2	0.060	0.002	1.4409	
									Infiltration		1.0				
720 minute summer	32	390	6.826	0.181	4.4	0.0218	0.0000	OK	3.007	33	2.5	0.043	0.002	1.0574	

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									Infiltration		0.9				
									Infiltration		1.0				
720 minute summer	33	390	6.825	0.051	2.7	0.0061	0.0000	OK	3.008	34	2.7	0.147	0.002	0.4925	
720 minute summer	34	390	6.825	0.080	2.9	0.0096	0.0000	OK	3.009	35	2.1	0.157	0.001	0.7068	
									Infiltration		0.7				
720 minute summer	35	390	6.825	0.150	2.3	0.0180	0.0000	OK	3.010	36	1.1	0.027	0.000	2.3035	
									Infiltration		0.6				
720 minute summer	36	390	6.825	0.320	1.3	0.0384	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		1.1				
720 minute summer	37	360	6.599	0.004	0.2	0.0005	0.0000	OK	3.012	38	0.2	0.023	0.000	1.0603	
720 minute summer	38	465	6.411	0.148	1.5	0.0178	0.0000	OK	3.013	39	-1.1	-0.087	-0.001	0.7060	
									Infiltration		0.6				
									Infiltration		0.8				
720 minute summer	39	360	6.466	0.011	1.1	0.0013	0.0000	OK	3.014	40	-0.9	-0.171	-0.001	0.0710	
									Infiltration		0.0				
720 minute summer	40	360	6.704	0.009	0.9	0.0011	0.0000	OK	3.015	41	-0.7	-0.152	0.000	0.0594	
									Infiltration		0.0				
720 minute summer	41	360	6.874	0.009	0.7	0.0010	0.0000	OK	3.016	42	-0.5	-0.129	0.000	0.0499	
									Infiltration		0.0				
720 minute summer	42	360	7.092	0.007	0.5	0.0008	0.0000	OK	3.017	43	-0.3	-0.084	0.000	0.0486	
									Infiltration		0.0				
720 minute summer	43	345	7.153	0.008	0.3	0.0010	0.0000	OK	3.018	44	-0.1	-0.041	0.000	0.0383	
									Infiltration		0.0				
720 minute summer	44	360	7.229	0.004	0.2	0.0005	0.0000	OK	3.019	45	0.1	0.030	0.000	0.0309	
720 minute summer	45	360	7.201	0.008	0.3	0.0008	0.0000	OK	3.020	46	0.3	0.078	0.000	0.0440	
									Infiltration		0.0				
720 minute summer	46	360	7.132	0.007	0.5	0.0008	0.0000	OK	3.021	47	0.5	0.115	0.000	0.0556	
									Infiltration		0.0				
720 minute summer	47	360	6.974	0.008	0.7	0.0010	0.0000	OK	3.022	48	0.6	0.079	0.000	0.3049	
									Infiltration		0.0				
720 minute summer	48	420	6.865	0.070	0.8	0.0084	0.0000	OK	3.023	53	0.9	0.089	0.001	0.5903	
									Infiltration		0.1				
720 minute summer	49	795	7.717	-0.283	135.9	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
720 minute summer	50	15	7.460	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
720 minute summer	51	15	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
720 minute summer	52	15	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
720 minute summer	53	420	6.865	0.080	1.1	0.0096	0.0000	OK	3.024	54	1.0	0.117	0.000	1.5684	
									Infiltration		0.2				
720 minute summer	54	420	6.865	0.240	1.2	0.0288	0.0000	OK	3.025	54_OUT	0.6	0.032	0.000	3.6365	
									Infiltration		0.2				
720 minute summer	54_OUT	420	6.865	0.360	0.7	0.0432	0.0000	OK	Infiltration		0.3				
720 minute summer	55	375	8.477	0.031	0.7	0.0105	0.0000	OK	5.000	56	0.7	0.281	0.095	0.0450	
720 minute summer	56	375	8.448	0.032	1.4	0.0898	0.0000	OK	5.001	57	1.3	0.333	0.192	0.1565	

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								Infiltration		0.1					
720 minute summer	57	435	8.418	0.106	2.0	0.3271	0.0000 OK	5.002	58	1.8	0.309	0.226	0.4788		
								Infiltration		0.3					
720 minute summer	58	435	8.415	0.170	2.5	1.1979	0.0000 SURCHARGED	5.003	59	1.7	0.269	0.227	0.3906		
								Infiltration		0.4					
720 minute summer	59	435	8.415	0.210	2.4	1.2205	0.0000 OK	5.004	60	1.3	0.042	0.002	5.4986		
								Infiltration		0.3					
720 minute summer	60	435	8.415	0.230	2.0	0.0783	0.0000 OK	5.005	61	0.5	0.030	0.001	8.7674		
								Infiltration		0.4					
720 minute summer	61	435	8.415	0.279	1.2	0.0950	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		0.6					
720 minute summer	62	375	8.148	0.012	0.7	0.0041	0.0000 OK	5.007	63	0.7	0.044	0.000	5.5082		
720 minute summer	63	435	8.063	0.227	1.4	0.0772	0.0000 OK	5.008	63_OUT	0.2	0.018	0.000	4.9743		
								Infiltration		0.5					
720 minute summer	63_OUT	435	8.063	0.298	0.7	0.1014	0.0000 OK	Infiltration		0.3					
720 minute summer	64	525	8.372	0.187	0.3	0.0299	0.0000 OK	6.006	65	0.2	0.041	0.000	1.6344		
720 minute summer	65	525	8.372	0.247	0.5	0.0395	0.0000 OK	6.001	66	0.1	0.039	0.000	2.4206		
								Infiltration		0.1					
720 minute summer	66	525	8.372	0.279	0.4	0.0441	0.0000 OK	6.002	67	-0.1	-0.002	0.000	1.4383		
								Infiltration		0.2					
720 minute summer	67	525	8.372	0.298	0.3	0.0459	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
720 minute summer	68	375	8.082	0.006	0.3	0.0009	0.0000 OK	6.004	69	0.3	0.028	0.000	3.1891		
720 minute summer	69	435	8.049	0.284	0.6	0.0454	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
720 minute summer	70	435	5.858	0.160	0.3	0.0165	0.0000 OK	6.006	71	0.2	0.034	0.000	0.8207		
720 minute summer	71	435	5.858	0.173	0.5	0.0277	0.0000 OK	6.007	72	0.2	0.009	0.000	2.8631		
								Infiltration		0.1					
720 minute summer	72	435	5.858	0.173	0.5	0.0277	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
720 minute summer	73	525	6.029	0.324	0.3	0.0518	0.0000 OK	6.009	74	0.2	0.016	0.000	1.5963		
720 minute summer	74	525	6.029	0.324	0.5	0.0518	0.0000 OK	6.010	75	0.2	0.043	0.000	1.8578		
								Infiltration		0.1					
720 minute summer	75	525	6.029	0.324	0.4	0.0518	0.0000 OK	6.011	76	0.3	0.030	0.000	2.0027		
								Infiltration		0.1					
720 minute summer	76	525	6.029	0.394	0.4	0.0599	0.0000 OK	6.012	76_OUT	0.1	0.005	0.000	2.1349		
								Infiltration		0.1					
720 minute summer	76_OUT	525	6.029	0.394	0.3	0.0630	0.0000 OK	Infiltration		0.1					

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Results for 30 year 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 98.71%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	1	375	9.703	0.403	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.4	0.012	0.017	0.4653	
720 minute winter	2	375	9.702	0.452	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	0.7	0.023	0.030	1.1284	
720 minute winter	3	375	9.702	0.552	0.7	0.0000	0.0000	FLOOD RISK	1.002	4	0.9	-0.097	0.040	0.4986	
720 minute winter	4	375	9.702	0.602	5.1	0.0000	0.0000	FLOOD RISK	1.003	5	-5.1	-0.247	-0.222	0.8441	
720 minute winter	5	375	9.702	0.702	7.2	0.0000	0.0000	FLOOD RISK	1.004	6	-7.2	-0.230	-0.192	0.1621	
720 minute winter	6	375	9.702	0.802	11.8	6.8150	0.0000	FLOOD RISK	1.005	7	10.8	0.638	0.225	0.7796	
720 minute winter	7	375	9.698	0.948	17.2	3.8847	0.0000	FLOOD RISK	1.006	8	17.2	0.629	0.245	2.4823	
720 minute winter	8	375	9.692	1.142	29.8	7.6388	0.0000	FLOOD RISK	1.007	9	29.8	0.620	0.275	5.9230	
720 minute winter	9	375	9.684	1.334	50.5	12.9752	0.0000	FLOOD RISK	1.008	10	50.5	0.584	0.213	3.1360	
720 minute winter	10	375	9.682	1.382	54.4	2.4504	0.0000	FLOOD RISK	1.009	11	54.4	0.486	0.368	47.8613	
720 minute winter	11	375	9.642	1.842	54.4	0.0000	0.0000	FLOOD RISK	1.010	12	54.4	0.426	0.159	53.3276	
720 minute winter	12	135	7.750	1.000	54.4	0.0000	0.0000	FLOOD RISK	1.011	13	54.4	0.427	0.277	0.2822	
720 minute winter	13	375	9.571	0.071	54.4	0.0000	0.0000	OK	1.012	13_OUT	54.4	3.247	0.044	0.1004	
720 minute winter	13_OUT	765	7.749	0.215	54.4	0.0000	0.0000	OK	Flow through pond	49	166.2	0.021	0.000	2039.3107	
720 minute winter	14	375	9.652	0.352	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.1	0.005	0.005	0.8136	
720 minute winter	15	375	9.652	0.586	8.3	4.4859	0.0000	FLOOD RISK	2.001	16	8.3	0.536	0.171	0.9254	
720 minute winter	16	375	9.649	0.858	8.3	0.0000	0.0000	FLOOD RISK	2.002	17	8.3	0.536	0.168	0.8329	
720 minute winter	17	375	9.647	0.788	12.8	2.4455	0.0000	FLOOD RISK	2.003	18	12.8	0.547	0.181	1.8750	
720 minute winter	18	375	9.645	0.964	22.9	6.0823	0.0000	FLOOD RISK	2.004	19	22.9	0.558	0.182	5.4890	
720 minute winter	19	375	9.640	1.184	40.7	10.8814	0.0000	FLOOD RISK	2.005	20	40.7	0.558	0.298	4.0628	
720 minute winter	20	375	9.639	1.228	40.7	0.0000	0.0000	FLOOD RISK	2.006	21	40.7	0.775	0.298	3.4979	
720 minute winter	21	375	9.637	1.265	40.7	0.0000	0.0000	FLOOD RISK	2.007	22	40.7	0.730	0.068	3.7404	
720 minute winter	22	375	9.635	1.635	52.2	7.1031	0.0000	FLOOD RISK	2.008	23	52.2	0.524	0.181	53.3017	
720 minute winter	23	135	7.750	1.000	52.2	0.0000	0.0000	FLOOD RISK	2.009	24	52.2	0.410	0.266	0.2818	
720 minute winter	24	375	9.569	0.089	52.2	0.0000	0.0000	OK	2.010	24_OUT	52.2	3.208	0.042	0.0974	
720 minute winter	24_OUT	765	7.749	0.215	52.2	0.0000	0.0000	OK	Flow through pond	49	166.2	0.021	0.000	2039.3107	
720 minute winter	25	360	8.619	0.023	0.9	0.0146	0.0000	OK	3.000	26	0.9	0.414	0.050	0.0775	
720 minute winter	26	360	8.467	0.032	1.8	0.0650	0.0000	OK	3.001	27	1.5	0.580	0.098	0.1105	
									Infiltration		0.3				
720 minute winter	27	360	8.148	0.033	2.4	0.0823	0.0000	OK	3.002	28	2.1	0.713	0.105	0.0970	
									Infiltration		0.3				
720 minute winter	28	360	7.730	0.035	3.0	0.0654	0.0000	OK	3.003	29	2.8	0.850	0.119	0.1153	
									Infiltration		0.2				
720 minute winter	29	360	7.103	0.038	3.7	0.0615	0.0000	OK	3.004	30	3.5	1.045	0.127	0.0229	
									Infiltration		0.2				
720 minute winter	30	360	6.854	0.029	3.7	0.0035	0.0000	OK	3.005	31	3.7	0.138	0.002	0.7965	
720 minute winter	31	360	6.803	0.108	3.9	0.0130	0.0000	OK	3.006	32	3.1	0.081	0.002	1.1842	
									Infiltration		0.8				

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720 minute winter	32	360	6.803	0.158	3.3	0.0190	0.0000	OK	3.007	33	1.6	0.030	0.001	0.8261
									Infiltration		0.8			
									Infiltration		0.9			
720 minute winter	33	360	6.803	0.028	1.8	0.0033	0.0000	OK	3.008	34	1.9	0.138	0.001	0.2655
720 minute winter	34	405	6.794	0.048	2.1	0.0059	0.0000	OK	3.009	35	1.6	0.132	0.001	0.4936
									Infiltration		0.6			
720 minute winter	35	405	6.794	0.119	1.8	0.0142	0.0000	OK	3.010	36	1.1	0.027	0.000	1.9308
									Infiltration		0.8			
720 minute winter	36	405	6.794	0.289	1.3	0.0328	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.1			
720 minute winter	37	360	6.508	0.004	0.2	0.0005	0.0000	OK	3.012	38	0.2	0.023	0.000	1.0605
720 minute winter	38	405	6.411	0.146	1.5	0.0176	0.0000	OK	3.013	39	-1.1	-0.087	-0.001	0.7081
									Infiltration		0.8			
									Infiltration		0.8			
720 minute winter	39	360	6.466	0.011	1.1	0.0013	0.0000	OK	3.014	40	-0.9	-0.171	-0.001	0.0710
									Infiltration		0.0			
720 minute winter	40	360	6.704	0.008	0.9	0.0011	0.0000	OK	3.015	41	-0.7	-0.152	0.000	0.0594
									Infiltration		0.0			
720 minute winter	41	360	6.874	0.009	0.7	0.0010	0.0000	OK	3.016	42	-0.5	-0.129	0.000	0.0499
									Infiltration		0.0			
720 minute winter	42	360	7.092	0.007	0.5	0.0008	0.0000	OK	3.017	43	-0.3	-0.084	0.000	0.0466
									Infiltration		0.0			
720 minute winter	43	345	7.153	0.008	0.3	0.0010	0.0000	OK	3.018	44	-0.1	-0.041	0.000	0.0383
									Infiltration		0.0			
720 minute winter	44	360	7.229	0.004	0.2	0.0005	0.0000	OK	3.019	45	0.1	0.030	0.000	0.0309
720 minute winter	45	360	7.201	0.006	0.3	0.0008	0.0000	OK	3.020	46	0.3	0.078	0.000	0.0440
									Infiltration		0.0			
720 minute winter	46	360	7.132	0.007	0.5	0.0008	0.0000	OK	3.021	47	0.5	0.115	0.000	0.0550
									Infiltration		0.0			
720 minute winter	47	360	6.974	0.008	0.7	0.0010	0.0000	OK	3.022	48	0.6	0.078	0.000	0.3584
									Infiltration		0.0			
720 minute winter	48	420	6.878	0.081	0.8	0.0096	0.0000	OK	3.023	53	0.9	0.082	0.001	0.8856
									Infiltration		0.1			
720 minute winter	49	795	7.747	-0.253	171.8	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
720 minute winter	50	15	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
720 minute winter	51	15	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
720 minute winter	52	15	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
720 minute winter	53	420	6.878	0.091	1.1	0.0110	0.0000	OK	3.024	54	0.8	0.117	0.000	1.7037
									Infiltration		0.2			
720 minute winter	54	420	6.878	0.251	1.0	0.0302	0.0000	OK	3.025	54_OUT	0.5	0.032	0.000	3.8290
									Infiltration		0.2			
720 minute winter	54_OUT	420	6.878	0.371	0.7	0.0446	0.0000	OK	Infiltration		0.3			

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720 minute winter	55	345	8.472	0.026	0.5	0.0089	0.0000 OK	5.000	56	0.5	0.238	0.068	0.0353
720 minute winter	56	360	8.443	0.027	1.0	0.0655	0.0000 OK	5.001	57	0.9	0.302	0.071	0.1486
								Infiltration		0.1			
720 minute winter	57	450	8.409	0.099	1.4	0.2920	0.0000 OK	5.002	58	1.3	0.287	0.152	0.4655
								Infiltration		0.2			
720 minute winter	58	450	8.409	0.164	1.8	1.1415	0.0000 SURCHARGED	5.003	59	1.2	0.272	0.157	0.3806
								Infiltration		0.4			
720 minute winter	59	450	8.409	0.204	1.7	1.1770	0.0000 OK	5.004	60	0.9	0.042	0.001	5.2983
								Infiltration		0.3			
720 minute winter	60	450	8.409	0.224	1.4	0.0762	0.0000 OK	5.005	61	0.4	0.028	0.000	8.4853
								Infiltration		0.4			
720 minute winter	61	450	8.409	0.273	0.9	0.0929	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.6			
720 minute winter	62	390	8.148	0.010	0.5	0.0033	0.0000 OK	5.007	63	0.5	0.042	0.000	5.5267
720 minute winter	63	480	8.064	0.228	1.0	0.0775	0.0000 OK	5.008	63_OUT	0.2	0.018	0.000	4.9953
								Infiltration		0.5			
720 minute winter	63_OUT	480	8.064	0.288	0.5	0.1016	0.0000 OK	Infiltration		0.3			
720 minute winter	64	555	6.378	0.193	0.2	0.0309	0.0000 OK	6.000	65	0.1	0.041	0.000	1.5953
720 minute winter	65	555	6.378	0.253	0.3	0.0405	0.0000 OK	6.001	66	0.1	0.039	0.000	2.4977
								Infiltration		0.1			
720 minute winter	66	555	6.378	0.285	0.3	0.0451	0.0000 OK	6.002	67	-0.1	-0.002	0.000	1.4809
								Infiltration		0.2			
720 minute winter	67	555	6.378	0.302	0.2	0.0469	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
720 minute winter	68	315	6.080	0.004	0.2	0.0007	0.0000 OK	6.004	69	0.2	0.028	0.000	3.1558
720 minute winter	69	465	6.048	0.283	0.4	0.0453	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
720 minute winter	70	465	5.857	0.102	0.2	0.0183	0.0000 OK	6.006	71	0.2	0.034	0.000	0.5117
720 minute winter	71	465	5.857	0.172	0.4	0.0275	0.0000 OK	6.007	72	0.2	0.009	0.000	2.6388
								Infiltration		0.1			
720 minute winter	72	465	5.857	0.172	0.4	0.0275	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
720 minute winter	73	555	6.042	0.337	0.2	0.0539	0.0000 OK	6.009	74	0.1	0.018	0.000	1.5881
720 minute winter	74	555	6.042	0.337	0.3	0.0539	0.0000 OK	6.010	75	0.2	0.043	0.000	1.9093
								Infiltration		0.1			
720 minute winter	75	555	6.042	0.337	0.3	0.0539	0.0000 OK	6.011	76	0.3	0.030	0.000	2.1056
								Infiltration		0.1			
720 minute winter	76	555	6.042	0.407	0.4	0.0618	0.0000 OK	6.012	75_OUT	0.1	0.005	0.000	2.2388
								Infiltration		0.1			
720 minute winter	76_OUT	555	6.042	0.407	0.2	0.0651	0.0000 OK	Infiltration		0.1			

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Results for 30 year 960 minute summer, 1200 minute analysis at 15 minute timestep. Mass balance: 98.58%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	1	495	9.722	0.422	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.4	0.013	0.018	0.4653	
960 minute summer	2	495	9.722	0.472	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	0.8	0.020	0.032	1.1284	
960 minute summer	3	495	9.722	0.572	3.5	0.0000	0.0000	FLOOD RISK	1.002	4	-3.5	-0.187	-0.185	0.4986	
960 minute summer	4	495	9.722	0.622	5.8	0.0000	0.0000	FLOOD RISK	1.003	5	-5.8	-0.194	-0.251	0.8441	
960 minute summer	5	495	9.722	0.722	8.7	0.0000	0.0000	FLOOD RISK	1.004	6	-8.7	-0.213	-0.178	0.1621	
960 minute summer	6	495	9.722	0.822	11.6	5.7766	0.0000	FLOOD RISK	1.005	7	11.6	0.581	0.239	0.7796	
960 minute summer	7	495	9.717	0.967	15.3	3.9424	0.0000	FLOOD RISK	1.006	8	15.3	0.545	0.281	2.4823	
960 minute summer	8	495	9.710	1.160	31.7	7.9645	0.0000	FLOOD RISK	1.007	9	31.7	0.625	0.293	5.9230	
960 minute summer	9	495	9.702	1.352	53.8	13.1433	0.0000	FLOOD RISK	1.008	10	53.8	0.487	0.227	3.1360	
960 minute summer	10	495	9.699	1.399	58.0	2.4805	0.0000	FLOOD RISK	1.009	11	58.0	0.432	0.393	47.8613	
960 minute summer	11	495	9.653	1.653	58.0	0.0000	0.0000	FLOOD RISK	1.010	12	58.0	0.501	0.261	53.3278	
960 minute summer	12	180	7.750	1.000	58.0	0.0000	0.0000	FLOOD RISK	1.011	13	58.0	0.453	0.295	0.2631	
960 minute summer	13	495	9.573	0.073	58.0	0.0000	0.0000	OK	1.012	13_OUT	58.0	3.310	0.047	0.1050	
960 minute summer	13_OUT	975	7.732	0.196	58.0	0.0000	0.0000	OK	Flow through pond	49	78.8	0.015	0.000	1892.8948	
960 minute summer	14	495	9.665	0.365	0.9	0.0000	0.0000	FLOOD RISK	2.000	15	-0.9	-0.029	-0.030	0.8136	
960 minute summer	15	495	9.665	0.579	8.9	4.5927	0.0000	FLOOD RISK	2.001	16	8.9	0.480	0.184	0.9254	
960 minute summer	16	495	9.662	0.671	8.9	0.0000	0.0000	FLOOD RISK	2.002	17	8.9	0.482	0.181	0.8329	
960 minute summer	17	495	9.660	0.801	13.5	2.4648	0.0000	FLOOD RISK	2.003	18	13.5	0.477	0.173	1.8750	
960 minute summer	18	495	9.657	0.976	24.5	8.1392	0.0000	FLOOD RISK	2.004	19	24.5	0.500	0.195	5.4890	
960 minute summer	19	495	9.652	1.198	43.5	10.7864	0.0000	FLOOD RISK	2.005	20	43.5	0.490	0.221	4.0628	
960 minute summer	20	495	9.650	1.239	43.5	0.0000	0.0000	FLOOD RISK	2.006	21	43.5	0.688	0.220	3.4978	
960 minute summer	21	495	9.648	1.276	43.5	0.0000	0.0000	FLOOD RISK	2.007	22	43.5	0.654	0.073	3.7404	
960 minute summer	22	495	9.645	1.645	55.7	7.1502	0.0000	FLOOD RISK	2.008	23	55.7	0.490	0.193	53.3017	
960 minute summer	23	180	7.750	1.000	55.7	0.0000	0.0000	FLOOD RISK	2.009	24	55.7	0.436	0.284	0.2627	
960 minute summer	24	495	9.571	0.071	55.7	0.0000	0.0000	OK	2.010	24_OUT	55.7	3.271	0.045	0.1018	
960 minute summer	24_OUT	975	7.733	0.199	55.7	0.0000	0.0000	OK	Flow through pond	49	78.8	0.015	0.000	1892.8948	
960 minute summer	25	495	8.820	0.624	1.0	0.0154	0.0000	OK	3.000	26	1.0	0.426	0.056	0.0836	
960 minute summer	26	495	8.466	0.633	2.0	0.0714	0.0000	OK	3.001	27	1.7	0.577	0.109	0.1139	
									Infiltration		0.3				
960 minute summer	27	495	8.150	0.035	2.7	0.0911	0.0000	OK	3.002	28	2.4	0.738	0.118	0.1055	
									Infiltration		0.4				
960 minute summer	28	495	7.732	0.037	3.4	0.0721	0.0000	OK	3.003	29	3.2	0.877	0.134	0.1290	
									Infiltration		0.2				
960 minute summer	29	495	7.105	0.040	4.2	0.0579	0.0000	OK	3.004	30	4.0	1.079	0.143	0.0250	
									Infiltration		0.2				
960 minute summer	30	495	6.858	0.031	4.2	0.0037	0.0000	OK	3.005	31	4.2	0.138	0.002	0.8247	
960 minute summer	31	480	6.808	0.111	4.4	0.0133	0.0000	OK	3.006	32	3.5	0.080	0.002	1.2131	
									Infiltration		0.9				

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960 minute summer	32	480	6.806	0.161	3.7	0.0193	0.0000	OK	3.007	33	2.0	0.035	0.001	0.8518
									Infiltration		0.8			
									Infiltration		0.9			
960 minute summer	33	480	6.805	0.030	2.2	0.0036	0.0000	OK	3.008	34	2.2	0.147	0.002	0.3062
960 minute summer	34	510	6.800	0.055	2.4	0.0066	0.0000	OK	3.009	35	1.9	0.151	0.001	0.5332
									Infiltration		0.6			
960 minute summer	35	510	5.800	0.125	2.1	0.0150	0.0000	OK	3.010	36	1.3	0.027	0.000	2.0003
									Infiltration		0.8			
960 minute summer	36	510	6.800	0.295	1.5	0.0336	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.1			
960 minute summer	37	495	6.509	0.004	0.2	0.0005	0.0000	OK	3.012	38	0.2	0.023	0.000	1.0227
960 minute summer	38	510	6.497	0.142	1.5	0.0170	0.0000	OK	3.013	39	-1.1	-0.087	-0.001	0.6819
									Infiltration		0.8			
									Infiltration		0.8			
960 minute summer	39	495	6.468	0.011	1.1	0.0013	0.0000	OK	3.014	40	-0.9	-0.171	-0.001	0.0710
									Infiltration		0.0			
960 minute summer	40	495	5.704	0.008	0.9	0.0011	0.0000	OK	3.015	41	-0.7	-0.152	0.000	0.0594
									Infiltration		0.0			
960 minute summer	41	495	6.874	0.009	0.7	0.0010	0.0000	OK	3.016	42	-0.5	-0.129	0.000	0.0499
									Infiltration		0.0			
960 minute summer	42	495	7.092	0.007	0.5	0.0008	0.0000	OK	3.017	43	-0.3	-0.084	0.000	0.0466
									Infiltration		0.0			
960 minute summer	43	480	7.153	0.003	0.3	0.0010	0.0000	OK	3.018	44	-0.1	-0.041	0.000	0.0383
									Infiltration		0.0			
960 minute summer	44	495	7.229	0.004	0.2	0.0005	0.0000	OK	3.019	45	0.1	0.030	0.000	0.0309
960 minute summer	45	495	7.201	0.006	0.3	0.0005	0.0000	OK	3.020	46	0.3	0.078	0.000	0.0440
									Infiltration		0.0			
960 minute summer	46	495	7.132	0.007	0.5	0.0008	0.0000	OK	3.021	47	0.5	0.115	0.000	0.0550
									Infiltration		0.0			
960 minute summer	47	495	6.974	0.008	0.7	0.0010	0.0000	OK	3.022	48	0.6	0.075	0.000	0.2241
									Infiltration		0.0			
960 minute summer	48	540	6.847	0.052	0.8	0.0062	0.0000	OK	3.023	53	0.8	0.089	0.001	0.4322
									Infiltration		0.0			
960 minute summer	49	1155	7.730	-0.270	112.0	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
960 minute summer	50	15	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
960 minute summer	51	15	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
960 minute summer	52	15	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
960 minute summer	53	540	6.846	0.061	1.0	0.0074	0.0000	OK	3.024	54	1.0	0.117	0.000	1.3630
									Infiltration		0.2			
960 minute summer	54	540	6.846	0.221	1.2	0.0266	0.0000	OK	3.025	54_OUT	0.5	0.032	0.000	3.3413
									Infiltration		0.2			
960 minute summer	54_OUT	540	6.846	0.341	0.7	0.0410	0.0000	OK	Infiltration		0.3			

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960 minute summer	55	480	8.472	0.026	0.5	0.0089	0.0000	OK	5.000	56	0.5	0.238	0.068	0.0353
960 minute summer	56	495	8.443	0.027	1.0	0.0655	0.0000	OK	5.001	57	0.9	0.302	0.071	0.1071
									Infiltration		0.1			
960 minute summer	57	570	8.384	0.074	1.4	0.1705	0.0000	OK	5.002	58	1.3	0.290	0.152	0.3990
									Infiltration		0.2			
960 minute summer	58	570	8.384	0.139	1.8	0.9180	0.0000	OK	5.003	59	1.2	0.266	0.158	0.3842
									Infiltration		0.4			
960 minute summer	59	570	8.384	0.179	1.7	1.0017	0.0000	OK	5.004	60	1.0	0.042	0.001	4.5038
									Infiltration		0.3			
960 minute summer	60	570	8.384	0.199	1.5	0.0875	0.0000	OK	5.005	61	0.4	0.029	0.000	7.3627
									Infiltration		0.4			
960 minute summer	61	570	8.384	0.248	0.9	0.0842	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.6			
960 minute summer	62	510	8.146	0.010	0.5	0.0033	0.0000	OK	5.007	63	0.5	0.042	0.000	4.6176
960 minute summer	63	585	8.041	0.205	1.0	0.0696	0.0000	OK	5.008	63_OUT	0.2	0.018	0.000	4.4184
									Infiltration		0.4			
960 minute summer	63_OUT	585	8.041	0.276	0.5	0.0937	0.0000	OK	Infiltration		0.3			
960 minute summer	64	645	8.355	0.179	0.3	0.0272	0.0000	OK	6.000	65	0.1	0.041	0.000	1.4729
960 minute summer	65	645	8.355	0.230	0.4	0.0368	0.0000	OK	6.001	66	0.1	0.039	0.000	2.2158
									Infiltration		0.1			
960 minute summer	66	645	8.355	0.282	0.4	0.0414	0.0000	OK	6.002	67	-0.1	-0.002	0.000	1.3249
									Infiltration		0.2			
960 minute summer	67	645	8.355	0.279	0.3	0.0403	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
960 minute summer	68	495	8.082	0.008	0.3	0.0008	0.0000	OK	6.004	69	0.3	0.029	0.000	2.8857
960 minute summer	69	555	8.030	0.265	0.6	0.0424	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
960 minute summer	70	555	5.843	0.086	0.3	0.0140	0.0000	OK	6.006	71	0.2	0.034	0.000	0.7136
960 minute summer	71	555	5.843	0.158	0.5	0.0252	0.0000	OK	6.007	72	0.2	0.009	0.000	2.5504
									Infiltration		0.1			
960 minute summer	72	555	5.843	0.158	0.5	0.0252	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
960 minute summer	73	645	6.008	0.303	0.3	0.0485	0.0000	OK	6.009	74	0.2	0.018	0.000	1.4574
960 minute summer	74	645	6.008	0.303	0.5	0.0485	0.0000	OK	6.010	75	0.2	0.043	0.000	1.5504
									Infiltration		0.1			
960 minute summer	75	645	6.008	0.303	0.4	0.0485	0.0000	OK	6.011	76	0.3	0.030	0.000	1.8431
									Infiltration		0.1			
960 minute summer	76	645	6.008	0.373	0.4	0.0587	0.0000	OK	6.012	76_OUT	0.1	0.005	0.000	1.9788
									Infiltration		0.1			
960 minute summer	76_OUT	645	6.008	0.373	0.3	0.0597	0.0000	OK	Infiltration		0.1			

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Results for 30 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 96.85%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	1	495	9.647	0.347	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.2	0.097	0.010	0.4653	
960 minute winter	2	495	9.647	0.397	0.2	0.0000	0.0000	FLOOD RISK	1.001	3	0.3	0.008	0.013	1.1284	
960 minute winter	3	495	9.647	0.497	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.128	-0.023	0.4986	
960 minute winter	4	495	9.647	0.547	3.4	0.0000	0.0000	FLOOD RISK	1.003	5	-3.4	-0.158	-0.149	0.8441	
960 minute winter	5	495	9.647	0.647	5.4	0.0000	0.0000	FLOOD RISK	1.004	6	-5.4	-0.173	-0.145	0.1521	
960 minute winter	6	495	9.647	0.747	10.3	6.1566	0.0000	FLOOD RISK	1.005	7	8.6	0.591	0.177	0.7795	
960 minute winter	7	495	9.644	0.894	13.8	3.6446	0.0000	FLOOD RISK	1.006	8	13.8	0.584	0.194	2.4923	
960 minute winter	8	495	9.640	1.090	23.8	7.4843	0.0000	FLOOD RISK	1.007	9	23.8	0.564	0.218	5.9230	
960 minute winter	9	495	9.636	1.286	40.0	12.5004	0.0000	FLOOD RISK	1.008	10	40.0	0.517	0.169	3.1360	
960 minute winter	10	495	9.634	1.334	43.1	2.3653	0.0000	FLOOD RISK	1.009	11	43.1	0.452	0.292	47.8613	
960 minute winter	11	495	9.609	1.809	43.1	0.0000	0.0000	FLOOD RISK	1.010	12	43.1	0.458	0.150	53.3278	
960 minute winter	12	165	7.750	1.000	43.1	0.0000	0.0000	FLOOD RISK	1.011	13	43.1	0.343	0.219	0.2591	
960 minute winter	13	495	9.563	0.063	43.1	0.0000	0.0000	OK	1.012	13_OUT	43.1	3.026	0.035	0.0853	
960 minute winter	13_OUT	975	7.763	0.230	43.1	0.0000	0.0000	OK	Flow through pond	49	152.5	0.018	0.000	2163.0122	
960 minute winter	14	495	9.615	0.315	1.9	0.0000	0.0000	FLOOD RISK	2.000	15	-1.9	-0.118	-0.084	0.8136	
960 minute winter	15	495	9.615	0.529	6.6	4.1830	0.0000	FLOOD RISK	2.001	16	6.6	0.510	0.136	0.9254	
960 minute winter	16	495	9.613	0.622	6.6	0.0000	0.0000	FLOOD RISK	2.002	17	6.6	0.490	0.134	0.6320	
960 minute winter	17	495	9.612	0.753	10.0	2.3381	0.0000	FLOOD RISK	2.003	18	10.0	0.500	0.125	1.8750	
960 minute winter	18	495	9.610	0.929	18.2	5.6462	0.0000	FLOOD RISK	2.004	19	18.2	0.522	0.145	5.4880	
960 minute winter	19	495	9.608	1.152	32.3	10.3858	0.0000	FLOOD RISK	2.005	20	32.3	0.511	0.164	4.0528	
960 minute winter	20	495	9.606	1.195	32.3	0.0000	0.0000	FLOOD RISK	2.006	21	32.3	0.718	0.163	3.4979	
960 minute winter	21	495	9.605	1.233	32.3	0.0000	0.0000	FLOOD RISK	2.007	22	32.3	0.661	0.054	3.7464	
960 minute winter	22	495	9.604	1.604	41.4	6.9691	0.0000	FLOOD RISK	2.008	23	41.4	0.480	0.144	53.3017	
960 minute winter	23	165	7.750	1.000	41.4	0.0000	0.0000	FLOOD RISK	2.009	24	41.4	0.330	0.211	0.2588	
960 minute winter	24	495	9.582	0.082	41.4	0.0000	0.0000	OK	2.010	24_OUT	41.4	2.990	0.033	0.0829	
960 minute winter	24_OUT	975	7.763	0.230	41.4	0.0000	0.0000	OK	Flow through pond	49	152.5	0.019	0.000	2163.0122	
960 minute winter	25	450	8.618	0.020	0.7	0.0130	0.0000	OK	3.000	26	0.7	0.388	0.039	0.0644	
960 minute winter	26	450	8.463	0.028	1.4	0.0522	0.0000	OK	3.001	27	1.2	0.519	0.074	0.0968	
									Infiltration		0.2				
960 minute winter	27	450	8.144	0.029	1.9	0.0647	0.0000	OK	3.002	28	1.6	0.657	0.079	0.0793	
									Infiltration		0.3				
960 minute winter	28	450	7.725	0.030	2.3	0.0526	0.0000	OK	3.003	29	2.1	0.785	0.089	0.0961	
									Infiltration		0.2				
960 minute winter	29	450	7.098	0.033	2.8	0.0487	0.0000	OK	3.004	30	2.7	0.987	0.095	0.0186	
									Infiltration		0.2				
960 minute winter	30	450	6.849	0.024	2.8	0.0028	0.0000	OK	3.005	31	2.8	0.138	0.001	0.6853	
960 minute winter	31	525	6.791	0.096	2.9	0.0115	0.0000	OK	3.006	32	2.1	0.060	0.001	1.0553	
									Infiltration		0.7				

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960 minute winter	32	525	6.791	0.146	2.2	0.0175	0.0000	OK	3.007	33	0.5	0.011	0.000	0.7132
									Infiltration		0.8			
									Infiltration		0.9			
960 minute winter	33	540	6.791	0.016	0.5	0.0019	0.0000	OK	3.008	34	0.5	0.093	0.000	0.0904
960 minute winter	34	540	6.756	0.011	0.7	0.0013	0.0000	OK	3.009	35	0.5	0.125	0.000	0.0479
									Infiltration		0.1			
960 minute winter	35	540	6.683	0.008	0.7	0.0010	0.0000	OK	3.010	36	0.7	0.027	0.000	0.7956
									Infiltration		0.1			
960 minute winter	36	540	6.682	0.177	0.8	0.0202	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.8			
960 minute winter	37	330	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.023	0.000	0.5365
960 minute winter	38	615	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.087	0.000	0.3865
									Infiltration		0.3			
									Infiltration		0.4			
960 minute winter	39	330	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461
									Infiltration		0.0			
960 minute winter	40	330	6.701	0.008	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0385
									Infiltration		0.0			
960 minute winter	41	330	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324
									Infiltration		0.0			
960 minute winter	42	330	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.064	0.000	0.0319
									Infiltration		0.0			
960 minute winter	43	330	7.150	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.032	0.000	0.0251
									Infiltration		0.0			
960 minute winter	44	330	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202
960 minute winter	45	345	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0288
									Infiltration		0.0			
960 minute winter	46	345	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357
									Infiltration		0.0			
960 minute winter	47	345	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.080	0.000	0.1568
									Infiltration		0.0			
960 minute winter	48	675	6.831	0.036	0.4	0.0043	0.0000	OK	3.023	53	0.4	0.065	0.001	0.3034
									Infiltration		0.0			
960 minute winter	49	1065	7.750	-0.240	150.0	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
960 minute winter	50	15	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
960 minute winter	51	15	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
960 minute winter	52	15	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
960 minute winter	53	675	6.831	0.048	0.5	0.0055	0.0000	OK	3.024	54	0.5	0.117	0.000	1.1930
									Infiltration		0.1			
960 minute winter	54	675	6.831	0.206	0.5	0.0247	0.0000	OK	3.025	54_OUT	0.5	0.032	0.000	3.0841
									Infiltration		0.2			
960 minute winter	54_OUT	675	6.831	0.326	0.7	0.0391	0.0000	OK	Infiltration		0.3			

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960 minute winter	55	450	8.470	0.024	0.4	0.0080	0.0000	OK	5.000	56	0.4	0.224	0.054	0.0360
960 minute winter	56	465	8.440	0.024	0.8	0.0531	0.0000	OK	5.001	57	0.7	0.282	0.056	0.0978
									Infiltration		0.1			
960 minute winter	57	600	8.378	0.088	1.1	0.1458	0.0000	OK	5.002	58	1.0	0.258	0.127	0.3774
									Infiltration		0.2			
960 minute winter	58	600	8.378	0.133	1.4	0.8677	0.0000	OK	5.003	59	0.9	0.259	0.128	0.3784
									Infiltration		0.4			
960 minute winter	59	600	8.378	0.173	1.3	0.9620	0.0000	OK	5.004	60	0.7	0.042	0.001	4.3048
									Infiltration		0.3			
960 minute winter	60	600	8.378	0.193	1.1	0.0656	0.0000	OK	5.005	61	0.4	0.029	0.000	7.1092
									Infiltration		0.4			
960 minute winter	61	600	8.378	0.242	0.8	0.0822	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.8			
960 minute winter	62	495	8.145	0.009	0.4	0.0023	0.0000	OK	5.007	63	0.4	0.042	0.000	4.8367
960 minute winter	63	515	8.041	0.205	0.8	0.0698	0.0000	OK	5.008	63_OUT	0.2	0.018	0.000	4.4333
									Infiltration		0.4			
960 minute winter	63_OUT	515	8.041	0.278	0.4	0.0939	0.0000	OK	Infiltration		0.3			
960 minute winter	64	705	6.368	0.154	0.2	0.0294	0.0000	OK	6.000	65	0.1	0.041	0.000	1.6007
960 minute winter	65	705	6.368	0.244	0.3	0.0390	0.0000	OK	6.001	66	0.1	0.038	0.000	2.3779
									Infiltration		0.1			
960 minute winter	66	705	6.368	0.276	0.3	0.0436	0.0000	OK	6.002	67	-0.1	-0.002	0.000	1.4147
									Infiltration		0.2			
960 minute winter	67	705	6.368	0.293	0.2	0.0454	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
960 minute winter	68	450	6.080	0.004	0.2	0.0007	0.0000	OK	6.004	69	0.2	0.029	0.000	3.0309
960 minute winter	69	570	6.040	0.275	0.4	0.0440	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
960 minute winter	70	570	5.847	0.092	0.2	0.0146	0.0000	OK	6.006	71	0.2	0.034	0.000	0.7462
960 minute winter	71	570	5.847	0.152	0.4	0.0258	0.0000	OK	6.007	72	0.2	0.009	0.000	2.8282
									Infiltration		0.1			
960 minute winter	72	570	5.847	0.162	0.4	0.0258	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
960 minute winter	73	705	6.035	0.330	0.2	0.0528	0.0000	OK	6.009	74	0.1	0.016	0.000	1.6389
960 minute winter	74	705	6.035	0.330	0.3	0.0528	0.0000	OK	6.010	75	0.2	0.043	0.000	1.8558
									Infiltration		0.1			
960 minute winter	75	705	6.035	0.330	0.3	0.0528	0.0000	OK	6.011	76	0.3	0.030	0.000	2.0515
									Infiltration		0.1			
960 minute winter	76	705	6.035	0.400	0.4	0.0608	0.0000	OK	6.012	76_OUT	0.1	0.005	0.000	2.1832
									Infiltration		0.1			
960 minute winter	76_OUT	705	6.035	0.400	0.2	0.0640	0.0000	OK	Infiltration		0.1			

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Results for 30 year 1440 minute summer, 1680 minute analysis at 30 minute timestep. Mass balance: 98.74%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	1	750	9.637	0.337	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.2	0.005	0.008	0.4852	
1440 minute summer	2	750	9.637	0.387	0.2	0.0000	0.0000	FLOOD RISK	1.001	3	0.2	0.008	0.012	1.1264	
1440 minute summer	3	750	9.637	0.487	0.2	0.0000	0.0000	FLOOD RISK	1.002	4	0.3	0.009	0.014	0.4986	
1440 minute summer	4	750	9.637	0.537	0.3	0.0000	0.0000	FLOOD RISK	1.003	5	0.4	0.013	0.018	0.8441	
1440 minute summer	5	750	9.637	0.637	1.2	0.0000	0.0000	FLOOD RISK	1.004	6	-1.2	-0.057	-0.031	0.1621	
1440 minute summer	6	750	9.637	0.737	8.2	6.6740	0.0000	FLOOD RISK	1.005	7	8.2	0.493	0.169	0.7796	
1440 minute summer	7	750	9.634	0.884	12.9	3.8046	0.0000	FLOOD RISK	1.006	8	12.8	0.474	0.164	2.4923	
1440 minute summer	8	750	9.631	1.081	22.4	7.4193	0.0000	FLOOD RISK	1.007	9	22.4	0.462	0.207	5.9230	
1440 minute summer	9	750	9.627	1.277	37.9	12.4136	0.0000	FLOOD RISK	1.008	10	37.9	0.435	0.180	3.1360	
1440 minute summer	10	750	9.625	1.325	40.8	2.3498	0.0000	FLOOD RISK	1.009	11	40.8	0.379	0.276	47.8613	
1440 minute summer	11	750	9.603	1.603	40.8	0.0000	0.0000	FLOOD RISK	1.010	12	40.8	0.344	0.142	53.3278	
1440 minute summer	12	270	7.750	1.000	40.8	0.0000	0.0000	FLOOD RISK	1.011	13	40.8	0.325	0.208	0.2584	
1440 minute summer	13	750	9.561	0.661	40.8	0.0000	0.0000	OK	1.012	13_OUT	40.8	2.975	0.633	0.0821	
1440 minute summer	13_OUT	1470	7.751	0.218	40.8	0.0000	0.0000	OK	Flow through pond	49	52.9	0.010	0.000	2056.0061	
1440 minute summer	14	750	9.608	0.308	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.0	-0.001	-0.001	0.8136	
1440 minute summer	15	750	9.608	0.522	5.2	4.1380	0.0000	FLOOD RISK	2.001	16	5.2	0.413	0.128	0.9254	
1440 minute summer	16	750	9.606	0.615	5.2	0.0000	0.0000	FLOOD RISK	2.002	17	5.2	0.419	0.126	0.6320	
1440 minute summer	17	750	9.605	0.746	9.4	2.3156	0.0000	FLOOD RISK	2.003	18	9.4	0.413	0.120	1.8750	
1440 minute summer	18	750	9.604	0.923	17.2	5.8057	0.0000	FLOOD RISK	2.004	19	17.2	0.431	0.137	5.4890	
1440 minute summer	19	750	9.602	1.146	30.6	10.3304	0.0000	FLOOD RISK	2.005	20	30.6	0.432	0.155	4.0628	
1440 minute summer	20	750	9.600	1.169	30.6	0.0000	0.0000	FLOOD RISK	2.006	21	30.6	0.605	0.155	3.4979	
1440 minute summer	21	750	9.600	1.228	30.6	0.0000	0.0000	FLOOD RISK	2.007	22	30.6	0.584	0.051	3.7404	
1440 minute summer	22	750	9.599	1.599	39.2	8.9439	0.0000	FLOOD RISK	2.008	23	39.2	0.215	0.136	53.3017	
1440 minute summer	23	270	7.750	1.000	39.2	0.0000	0.0000	FLOOD RISK	2.009	24	39.2	0.313	0.200	0.2582	
1440 minute summer	24	750	9.560	0.960	39.2	0.0000	0.0000	OK	2.010	24_OUT	39.2	2.940	0.632	0.0798	
1440 minute summer	24_OUT	1470	7.751	0.218	39.2	0.0000	0.0000	OK	Flow through pond	49	52.9	0.010	0.000	2056.0061	
1440 minute summer	25	750	8.816	0.020	0.7	0.0130	0.0000	OK	3.000	26	0.7	0.388	0.039	0.0844	
1440 minute summer	26	750	8.463	0.628	1.4	0.0522	0.0000	OK	3.001	27	1.2	0.519	0.074	0.0908	
									Infiltration		0.2				
1440 minute summer	27	750	8.144	0.629	1.8	0.0647	0.0000	OK	3.002	28	1.6	0.657	0.079	0.0793	
									Infiltration		0.3				
1440 minute summer	28	750	7.725	0.630	2.3	0.0520	0.0000	OK	3.003	29	2.1	0.785	0.089	0.0961	
									Infiltration		0.2				
1440 minute summer	29	750	7.098	0.033	2.6	0.0487	0.0000	OK	3.004	30	2.7	0.957	0.095	0.0185	
									Infiltration		0.2				
1440 minute summer	30	750	6.849	0.024	2.8	0.0029	0.0000	OK	3.005	31	2.5	0.135	0.001	0.6852	
1440 minute summer	31	750	6.791	0.096	2.9	0.0115	0.0000	OK	3.006	32	2.1	0.656	0.001	1.0552	
									Infiltration		0.7				
1440 minute summer	32	750	6.791	0.146	2.3	0.0175	0.0000	OK	3.007	33	0.5	0.011	0.000	0.7131	

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									Infiltration		0.8				
									Infiltration		0.9				
1440 minute summer	33	750	6.791	0.016	0.6	0.0019	0.0000	OK	3.008	34	0.8	0.093	0.000	0.0903	
1440 minute summer	34	750	6.756	0.011	0.7	0.0013	0.0000	OK	3.009	35	0.8	0.125	0.000	0.0479	
									Infiltration		0.1				
1440 minute summer	35	750	6.683	0.008	0.7	0.0010	0.0000	OK	3.010	36	0.7	0.017	0.000	0.6821	
									Infiltration		0.1				
1440 minute summer	36	780	6.663	0.158	0.8	0.0180	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.7				
1440 minute summer	37	630	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.011	0.000	0.5365	
1440 minute summer	38	870	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.045	0.000	0.3805	
									Infiltration		0.3				
									Infiltration		0.4				
1440 minute summer	39	630	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461	
									Infiltration		0.0				
1440 minute summer	40	630	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0388	
									Infiltration		0.0				
1440 minute summer	41	630	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324	
									Infiltration		0.0				
1440 minute summer	42	630	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.084	0.000	0.0319	
									Infiltration		0.0				
1440 minute summer	43	630	7.156	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251	
									Infiltration		0.0				
1440 minute summer	44	630	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202	
1440 minute summer	45	660	7.198	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0286	
									Infiltration		0.0				
1440 minute summer	46	660	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357	
									Infiltration		0.0				
1440 minute summer	47	660	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.060	0.000	0.1208	
									Infiltration		0.0				
1440 minute summer	48	870	6.822	0.027	0.4	0.0032	0.0000	OK	3.023	50	0.4	0.065	0.001	0.2310	
									Infiltration		0.0				
1440 minute summer	49	1650	7.748	-0.252	76.3	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.8				
1440 minute summer	50	30	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
1440 minute summer	51	30	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
1440 minute summer	52	30	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
1440 minute summer	53	870	6.821	0.036	0.5	0.0043	0.0000	OK	3.024	54	0.5	0.104	0.000	1.0952	
									Infiltration		0.1				
1440 minute summer	54	870	6.821	0.196	0.8	0.0235	0.0000	OK	3.025	54_OUT	0.4	0.026	0.000	2.9505	
									Infiltration		0.2				
1440 minute summer	54_OUT	870	6.821	0.316	0.5	0.0379	0.0000	OK	Infiltration		0.3				
1440 minute summer	55	750	8.470	0.024	0.4	0.0080	0.0000	OK	5.000	56	0.4	0.224	0.054	0.0300	
1440 minute summer	56	750	8.440	0.024	0.8	0.0531	0.0000	OK	5.001	57	0.7	0.262	0.056	0.0532	

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								Infiltration		0.1				
1440 minute summer	57	810	8.348	0.038	1.1	0.0525	0.0000 OK	5.002	58	1.6	0.287	0.127	0.2517
								Infiltration		0.1				
1440 minute summer	58	840	8.347	0.102	1.4	0.8026	0.0000 OK	5.003	59	0.8	0.268	0.125	0.3320
								Infiltration		0.4				
1440 minute summer	59	840	8.347	0.142	1.3	0.7572	0.0000 OK	5.004	60	0.7	0.042	0.001	3.4238
								Infiltration		0.3				
1440 minute summer	60	840	8.347	0.182	1.1	0.0548	0.0000 OK	5.005	61	0.4	0.025	0.000	5.8231
								Infiltration		0.4				
1440 minute summer	61	840	8.347	0.211	0.8	0.0716	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.5				
1440 minute summer	62	750	8.145	0.008	0.4	0.0028	0.0000 OK	5.007	63	0.4	0.041	0.000	3.9845
1440 minute summer	63	840	8.012	0.176	0.8	0.0599	0.0000 OK	5.008	63_OUT	0.2	0.017	0.000	3.7529
								Infiltration		0.4				
1440 minute summer	63_OUT	840	8.012	0.247	0.4	0.0841	0.0000 OK	Infiltration		0.3				
1440 minute summer	64	930	6.317	0.132	0.2	0.0211	0.0000 OK	6.000	65	0.1	0.040	0.000	1.1261
1440 minute summer	65	930	6.317	0.192	0.3	0.0307	0.0000 OK	6.001	66	0.2	0.022	0.000	1.7728
								Infiltration		0.1				
1440 minute summer	66	930	6.317	0.224	0.3	0.0353	0.0000 OK	6.002	67	-0.1	0.002	0.000	1.0798
								Infiltration		0.1				
1440 minute summer	67	930	6.317	0.241	0.2	0.0373	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1				
1440 minute summer	68	750	6.080	0.004	0.2	0.0007	0.0000 OK	6.004	69	0.2	0.017	0.000	2.2025
1440 minute summer	69	930	5.981	0.216	0.4	0.0345	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.2				
1440 minute summer	70	780	5.799	0.044	0.2	0.0070	0.0000 OK	6.006	71	0.2	0.023	0.000	0.4294
1440 minute summer	71	780	5.799	0.114	0.4	0.0182	0.0000 OK	6.007	72	0.1	0.008	0.000	1.7141
								Infiltration		0.1				
1440 minute summer	72	780	5.799	0.114	0.3	0.0182	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.2				
1440 minute summer	73	930	5.968	0.263	0.2	0.0421	0.0000 OK	6.009	74	0.1	0.015	0.000	1.2012
1440 minute summer	74	930	5.968	0.283	0.3	0.0421	0.0000 OK	6.010	75	0.2	0.040	0.000	1.3802
								Infiltration		0.1				
1440 minute summer	75	930	5.968	0.263	0.3	0.0421	0.0000 OK	6.011	76	0.2	0.020	0.000	1.5477
								Infiltration		0.1				
1440 minute summer	76	930	5.968	0.333	0.3	0.0506	0.0000 OK	6.012	76_OUT	0.1	0.003	0.000	1.6829
								Infiltration		0.1				
1440 minute summer	76_OUT	930	5.968	0.333	0.2	0.0533	0.0000 OK	Infiltration		0.1				

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Results for 30 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 97.08%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	1	750	9.597	0.297	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.1	0.003	0.005	0.4653	
1440 minute winter	2	750	9.597	0.347	0.1	0.0000	0.0000	FLOOD RISK	1.001	3	0.1	0.005	0.007	1.1264	
1440 minute winter	3	750	9.596	0.446	0.1	0.0000	0.0000	FLOOD RISK	1.002	4	0.2	0.006	0.009	0.4986	
1440 minute winter	4	750	9.598	0.498	0.7	0.0000	0.0000	FLOOD RISK	1.003	5	-0.7	-0.055	-0.029	0.8441	
1440 minute winter	5	750	9.597	0.597	1.7	0.0000	0.0000	FLOOD RISK	1.004	6	-1.7	-0.073	-0.048	0.1621	
1440 minute winter	6	750	9.597	0.697	6.2	5.7486	0.0000	FLOOD RISK	1.005	7	6.2	0.514	0.128	0.7796	
1440 minute winter	7	750	9.596	0.846	9.8	3.4481	0.0000	FLOOD RISK	1.006	8	9.8	0.507	0.140	2.4923	
1440 minute winter	8	750	9.594	1.044	16.9	7.1662	0.0000	FLOOD RISK	1.007	9	16.9	0.481	0.158	5.9230	
1440 minute winter	9	750	9.592	1.242	28.8	12.9725	0.0000	FLOOD RISK	1.008	10	28.8	0.447	0.121	3.1360	
1440 minute winter	10	750	9.591	1.291	30.8	2.2886	0.0000	FLOOD RISK	1.009	11	30.8	0.462	0.208	47.8613	
1440 minute winter	11	750	9.578	1.578	30.8	0.0000	0.0000	FLOOD RISK	1.010	12	30.8	0.497	0.107	53.3278	
1440 minute winter	12	240	7.750	1.000	30.8	0.0000	0.0000	FLOOD RISK	1.011	13	30.8	0.249	0.157	0.2554	
1440 minute winter	13	750	9.554	0.054	30.8	0.0000	0.0000	OK	1.012	13_OUT	30.8	2.733	0.025	0.0875	
1440 minute winter	13_OUT	1440	7.784	0.251	30.8	0.0000	0.0000	OK	Flow through pond	49	115.8	0.013	0.000	2346.7578	
1440 minute winter	14	750	9.580	0.280	0.5	0.0000	0.0000	FLOOD RISK	2.000	15	-0.5	-0.016	-0.017	0.8138	
1440 minute winter	15	750	9.580	0.494	4.7	3.9161	0.0000	FLOOD RISK	2.001	16	4.7	0.435	0.097	0.9254	
1440 minute winter	16	750	9.579	0.588	4.7	0.0000	0.0000	FLOOD RISK	2.002	17	4.7	0.440	0.095	0.6320	
1440 minute winter	17	750	9.579	0.720	7.1	2.2332	0.0000	FLOOD RISK	2.003	18	7.1	0.452	0.091	1.8750	
1440 minute winter	18	750	9.578	0.897	12.9	5.6425	0.0000	FLOOD RISK	2.004	19	12.9	0.459	0.102	5.4890	
1440 minute winter	19	750	9.577	1.121	23.0	10.1054	0.0000	FLOOD RISK	2.005	20	23.0	0.451	0.117	4.0628	
1440 minute winter	20	750	9.576	1.165	23.0	0.0000	0.0000	FLOOD RISK	2.006	21	23.0	0.618	0.118	3.4979	
1440 minute winter	21	750	9.575	1.203	23.0	0.0000	0.0000	FLOOD RISK	2.007	22	23.0	0.608	0.039	3.7404	
1440 minute winter	22	750	9.575	1.575	29.5	6.8414	0.0000	FLOOD RISK	2.008	23	29.5	0.296	0.102	53.3017	
1440 minute winter	23	240	7.750	1.000	29.5	0.0000	0.0000	FLOOD RISK	2.009	24	29.5	0.239	0.150	0.2552	
1440 minute winter	24	750	9.553	0.053	29.5	0.0000	0.0000	OK	2.010	24_OUT	29.5	2.698	0.024	0.0855	
1440 minute winter	24_OUT	1440	7.784	0.251	29.5	0.0000	0.0000	OK	Flow through pond	49	115.8	0.013	0.000	2346.7578	
1440 minute winter	25	690	8.813	0.017	0.5	0.0110	0.0000	OK	3.000	26	0.5	0.355	0.028	0.0502	
1440 minute winter	26	690	8.458	0.023	1.0	0.0391	0.0000	OK	3.001	27	0.8	0.489	0.051	0.0895	
									Infiltration		0.2				
1440 minute winter	27	690	8.139	0.024	1.3	0.0471	0.0000	OK	3.002	28	1.1	0.585	0.053	0.0802	
									Infiltration		0.2				
1440 minute winter	28	690	7.720	0.025	1.6	0.0364	0.0000	OK	3.003	29	1.4	0.703	0.060	0.0728	
									Infiltration		0.2				
1440 minute winter	29	690	7.092	0.027	1.9	0.0360	0.0000	OK	3.004	30	1.8	0.867	0.065	0.0141	
									Infiltration		0.1				
1440 minute winter	30	690	6.844	0.019	1.9	0.0023	0.0000	OK	3.005	31	1.8	0.138	0.001	0.5477	
1440 minute winter	31	810	6.774	0.079	2.0	0.0095	0.0000	OK	3.006	32	1.4	0.056	0.001	0.8849	
									Infiltration		0.6				

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1440 minute winter	32	810	6.774	0.129	1.6	0.0155	0.0000	OK	3.007	33	-0.1	-0.004	0.000	0.5736
									Infiltration		0.7			
									Infiltration		0.9			
1440 minute winter	33	540	6.777	0.002	0.1	0.0003	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0184
1440 minute winter	34	570	6.748	0.003	0.1	0.0004	0.0000	OK	3.009	35	0.1	0.055	0.000	0.0171
									Infiltration		0.0			
1440 minute winter	35	570	6.879	0.004	0.2	0.0004	0.0000	OK	3.010	36	0.2	0.017	0.000	0.2791
									Infiltration		0.0			
1440 minute winter	36	810	6.578	0.073	0.3	0.0083	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
1440 minute winter	37	540	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.011	0.000	0.5365
1440 minute winter	38	810	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.045	0.000	0.3865
									Infiltration		0.3			
									Infiltration		0.4			
1440 minute winter	39	540	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461
									Infiltration		0.0			
1440 minute winter	40	540	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0385
									Infiltration		0.0			
1440 minute winter	41	540	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324
									Infiltration		0.0			
1440 minute winter	42	540	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.064	0.000	0.0319
									Infiltration		0.0			
1440 minute winter	43	540	7.150	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251
									Infiltration		0.0			
1440 minute winter	44	540	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202
1440 minute winter	45	570	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0288
									Infiltration		0.0			
1440 minute winter	46	570	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357
									Infiltration		0.0			
1440 minute winter	47	570	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.080	0.000	0.1727
									Infiltration		0.0			
1440 minute winter	48	960	6.835	0.040	0.4	0.0046	0.0000	OK	3.023	53	0.4	0.055	0.001	0.3349
									Infiltration		0.0			
1440 minute winter	49	1500	7.780	-0.220	118.0	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
1440 minute winter	50	30	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
1440 minute winter	51	30	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
1440 minute winter	52	30	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
1440 minute winter	53	960	6.835	0.050	0.5	0.0060	0.0000	OK	3.024	54	0.5	0.104	0.000	1.2350
									Infiltration		0.1			
1440 minute winter	54	960	6.835	0.210	0.5	0.0252	0.0000	OK	3.025	54_OUT	0.4	0.028	0.000	3.1554
									Infiltration		0.2			
1440 minute winter	54_OUT	960	6.835	0.330	0.5	0.0396	0.0000	OK	Infiltration		0.3			

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1440 minute winter	55	690	8.466	0.020	0.3	0.0070	0.0000	OK	5.000	56	0.3	0.206	0.041	0.0243
1440 minute winter	56	690	8.437	0.021	0.6	0.0406	0.0000	OK	5.001	57	0.5	0.259	0.041	0.0427
									Infiltration		0.1			
1440 minute winter	57	690	8.341	0.031	0.8	0.0351	0.0000	OK	5.002	58	0.7	0.257	0.093	0.2021
									Infiltration		0.1			
1440 minute winter	58	840	8.333	0.088	1.0	0.4869	0.0000	OK	5.003	59	0.5	0.267	0.108	0.2964
									Infiltration		0.4			
1440 minute winter	59	840	8.333	0.128	1.1	0.6716	0.0000	OK	5.004	60	0.6	0.042	0.001	3.0478
									Infiltration		0.3			
1440 minute winter	60	840	8.333	0.148	0.9	0.0503	0.0000	OK	5.005	61	0.3	0.025	0.000	5.2924
									Infiltration		0.3			
1440 minute winter	61	840	8.333	0.197	0.6	0.0669	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.5			
1440 minute winter	62	750	8.143	0.007	0.3	0.0024	0.0000	OK	5.007	63	0.3	0.041	0.000	3.8537
1440 minute winter	63	840	8.008	0.172	0.6	0.0583	0.0000	OK	5.008	63_OUT	0.2	0.017	0.000	3.6455
									Infiltration		0.4			
1440 minute winter	63_OUT	840	8.008	0.243	0.4	0.0825	0.0000	OK	Infiltration		0.3			
1440 minute winter	64	990	6.303	0.118	0.1	0.0189	0.0000	OK	6.000	65	0.1	0.040	0.000	1.0123
1440 minute winter	65	990	6.303	0.178	0.2	0.0285	0.0000	OK	6.001	66	0.2	0.022	0.000	1.6267
									Infiltration		0.1			
1440 minute winter	66	990	6.303	0.210	0.3	0.0332	0.0000	OK	6.002	67	0.0	0.002	0.000	0.9983
									Infiltration		0.1			
1440 minute winter	67	990	6.303	0.227	0.1	0.0352	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
1440 minute winter	68	540	6.079	0.003	0.1	0.0004	0.0000	OK	6.004	69	0.1	0.017	0.000	2.0484
1440 minute winter	69	990	5.969	0.204	0.2	0.0326	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
1440 minute winter	70	990	5.779	0.024	0.1	0.0039	0.0000	OK	6.006	71	0.1	0.023	0.000	0.3159
1440 minute winter	71	990	5.779	0.094	0.2	0.0151	0.0000	OK	6.007	72	0.1	0.008	0.000	1.3773
									Infiltration		0.1			
1440 minute winter	72	990	5.779	0.094	0.2	0.0151	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
1440 minute winter	73	990	5.960	0.255	0.1	0.0408	0.0000	OK	6.009	74	0.1	0.015	0.000	1.1522
1440 minute winter	74	990	5.960	0.255	0.2	0.0408	0.0000	OK	6.010	75	0.2	0.040	0.000	1.3047
									Infiltration		0.1			
1440 minute winter	75	990	5.960	0.255	0.3	0.0408	0.0000	OK	6.011	76	0.2	0.020	0.000	1.4810
									Infiltration		0.1			
1440 minute winter	76	990	5.960	0.325	0.3	0.0494	0.0000	OK	6.012	76_OUT	0.1	0.003	0.000	1.6263
									Infiltration		0.1			
1440 minute winter	76_OUT	990	5.960	0.325	0.2	0.0520	0.0000	OK	Infiltration		0.1			

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Results for 30 year 2160 minute summer, 2400 minute analysis at 60 minute timestep. Mass balance: 96.85%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	1	1140	9.589	0.289	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	-0.001	-0.001	0.4853	
2160 minute summer	2	1140	9.588	0.339	0.1	0.0000	0.0000	FLOOD RISK	1.001	3	-0.1	-0.002	-0.003	1.1264	
2160 minute summer	3	1140	9.590	0.440	0.1	0.0000	0.0000	FLOOD RISK	1.002	4	0.0	-0.001	-0.002	0.4986	
2160 minute summer	4	1140	9.590	0.490	0.0	0.0000	0.0000	FLOOD RISK	1.003	5	0.0	-0.001	-0.001	0.8441	
2160 minute summer	5	1140	9.589	0.589	0.1	0.0000	0.0000	FLOOD RISK	1.004	6	-0.1	-0.002	-0.001	0.1621	
2160 minute summer	6	1140	9.589	0.688	5.7	5.6841	0.0000	FLOOD RISK	1.005	7	5.7	0.428	0.118	0.7796	
2160 minute summer	7	1140	9.588	0.838	9.0	3.4170	0.0000	FLOOD RISK	1.006	8	9.0	0.425	0.128	2.4923	
2160 minute summer	8	1140	9.587	1.037	15.6	7.1158	0.0000	FLOOD RISK	1.007	9	15.6	0.412	0.144	5.9230	
2160 minute summer	9	1140	9.585	1.235	26.5	12.0048	0.0000	FLOOD RISK	1.008	10	26.5	0.387	0.112	3.1360	
2160 minute summer	10	1140	9.584	1.284	28.6	2.2764	0.0000	FLOOD RISK	1.009	11	28.6	0.336	0.194	47.8613	
2160 minute summer	11	1140	9.573	1.573	28.6	0.0000	0.0000	FLOOD RISK	1.010	12	28.6	0.146	0.099	53.3278	
2160 minute summer	12	360	7.750	1.000	28.6	0.0000	0.0000	FLOOD RISK	1.011	13	28.6	0.232	0.146	0.2547	
2160 minute summer	13	1140	9.552	0.652	28.6	0.0000	0.0000	OK	1.012	13_OUT	28.6	2.672	0.023	0.0641	
2160 minute summer	13_OUT	2220	7.772	0.238	28.6	0.0000	0.0000	OK	Flow through pond	49	33.5	0.008	0.000	2247.9414	
2160 minute summer	14	1140	9.575	0.275	0.3	0.0000	0.0000	FLOOD RISK	2.000	15	-0.3	-0.021	-0.011	0.8138	
2160 minute summer	15	1140	9.575	0.489	4.4	3.8789	0.0000	FLOOD RISK	2.001	16	4.4	0.376	0.091	0.9254	
2160 minute summer	16	1140	9.574	0.583	4.4	0.0000	0.0000	FLOOD RISK	2.002	17	4.4	0.360	0.089	0.6320	
2160 minute summer	17	1140	9.574	0.715	6.7	2.2177	0.0000	FLOOD RISK	2.003	18	6.7	0.376	0.086	1.8750	
2160 minute summer	18	1140	9.573	0.892	12.1	5.8115	0.0000	FLOOD RISK	2.004	19	12.1	0.393	0.096	5.4890	
2160 minute summer	19	1140	9.572	1.116	21.5	10.0625	0.0000	FLOOD RISK	2.005	20	21.5	0.379	0.109	4.0628	
2160 minute summer	20	1140	9.571	1.160	21.5	0.0000	0.0000	FLOOD RISK	2.006	21	21.5	0.532	0.109	3.4979	
2160 minute summer	21	1140	9.571	1.199	21.5	0.0000	0.0000	FLOOD RISK	2.007	22	21.5	0.525	0.036	3.7404	
2160 minute summer	22	1140	9.570	1.570	27.5	6.8216	0.0000	FLOOD RISK	2.008	23	27.5	0.141	0.095	53.3017	
2160 minute summer	23	360	7.750	1.000	27.5	0.0000	0.0000	FLOOD RISK	2.009	24	27.5	0.224	0.140	0.2546	
2160 minute summer	24	1140	9.551	0.651	27.5	0.0000	0.0000	OK	2.010	24_OUT	27.5	2.641	0.022	0.0623	
2160 minute summer	24_OUT	2220	7.772	0.238	27.5	0.0000	0.0000	OK	Flow through pond	49	33.5	0.006	0.000	2247.9414	
2160 minute summer	25	1140	8.813	0.017	0.5	0.0110	0.0000	OK	3.000	26	0.5	0.355	0.028	0.0502	
2160 minute summer	26	1140	8.458	0.023	1.0	0.0091	0.0000	OK	3.001	27	0.8	0.469	0.051	0.0695	
									Infiltration		0.2				
2160 minute summer	27	1140	8.139	0.024	1.3	0.0471	0.0000	OK	3.002	28	1.1	0.585	0.053	0.0802	
									Infiltration		0.2				
2160 minute summer	28	1140	7.720	0.025	1.6	0.0384	0.0000	OK	3.003	29	1.4	0.703	0.060	0.0726	
									Infiltration		0.2				
2160 minute summer	29	1140	7.092	0.027	1.8	0.0360	0.0000	OK	3.004	30	1.8	0.857	0.065	0.0141	
									Infiltration		0.1				
2160 minute summer	30	1140	6.844	0.019	1.9	0.0023	0.0000	OK	3.005	31	1.9	0.128	0.001	0.5443	
2160 minute summer	31	1140	6.774	0.079	2.0	0.0094	0.0000	OK	3.006	32	1.4	0.052	0.001	0.8797	
									Infiltration		0.6				
2160 minute summer	32	1140	6.774	0.129	1.6	0.0154	0.0000	OK	3.007	33	-0.1	-0.004	0.000	0.5708	

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									Infiltration		0.7				
									Infiltration		0.8				
2160 minute summer	33	1020	6.777	0.002	0.1	0.0003	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0184	
2160 minute summer	34	1020	6.748	0.003	0.1	0.0004	0.0000	OK	3.009	35	0.1	0.055	0.000	0.0171	
									Infiltration		0.5				
2160 minute summer	35	1020	6.679	0.004	0.2	0.0004	0.0000	OK	3.010	36	0.2	0.012	0.000	0.2791	
									Infiltration		0.0				
2160 minute summer	36	1260	6.578	0.073	0.3	0.0083	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.3				
2160 minute summer	37	1020	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.006	0.000	0.5365	
2160 minute summer	38	1260	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.030	0.000	0.3805	
									Infiltration		0.3				
									Infiltration		0.4				
2160 minute summer	39	1020	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461	
									Infiltration		0.0				
2160 minute summer	40	1020	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0368	
									Infiltration		0.0				
2160 minute summer	41	1020	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324	
									Infiltration		0.0				
2160 minute summer	42	1020	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.084	0.000	0.0319	
									Infiltration		0.0				
2160 minute summer	43	1020	7.156	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251	
									Infiltration		0.0				
2160 minute summer	44	1020	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202	
2160 minute summer	45	1020	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0286	
									Infiltration		0.0				
2160 minute summer	46	1020	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357	
									Infiltration		0.0				
2160 minute summer	47	1020	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.058	0.000	0.1398	
									Infiltration		0.0				
2160 minute summer	48	1260	6.827	0.032	0.4	0.0038	0.0000	OK	3.023	50	0.4	0.065	0.001	0.2695	
									Infiltration		0.0				
2160 minute summer	49	2220	7.789	-0.231	36.4	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.8				
2160 minute summer	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
2160 minute summer	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
2160 minute summer	52	60	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
2160 minute summer	53	1260	6.826	0.041	0.5	0.0050	0.0000	OK	3.024	54	0.5	0.112	0.000	1.1475	
									Infiltration		0.1				
2160 minute summer	54	1260	6.826	0.201	0.6	0.0242	0.0000	OK	3.025	54_OUT	0.5	0.013	0.000	3.0275	
									Infiltration		0.2				
2160 minute summer	54_OUT	1260	6.826	0.321	0.6	0.0386	0.0000	OK	Infiltration		0.3				
2160 minute summer	55	1140	8.466	0.020	0.3	0.0070	0.0000	OK	5.000	56	0.3	0.207	0.041	0.0243	
2160 minute summer	56	1140	8.437	0.021	0.6	0.0406	0.0000	OK	5.001	57	0.5	0.259	0.041	0.0427	

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								Infiltration		0.1					
2160 minute summer	57	1140	8.341	0.031	0.8	0.0361	0.0000	OK	5.002	58	0.7	0.280	0.083	0.1503	
								Infiltration		0.1					
2160 minute summer	58	1200	8.313	0.068	1.0	0.3170	0.0000	OK	5.003	59	0.8	0.256	0.104	0.2367	
								Infiltration		0.4					
2160 minute summer	59	1200	8.313	0.108	1.1	0.5503	0.0000	OK	5.004	60	0.6	0.041	0.001	2.5286	
								Infiltration		0.3					
2160 minute summer	60	1200	8.313	0.128	0.9	0.0435	0.0000	OK	5.005	61	0.3	0.026	0.000	4.5458	
								Infiltration		0.3					
2160 minute summer	61	1200	8.313	0.177	0.6	0.0601	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000	
								Infiltration		0.5					
2160 minute summer	62	1140	8.143	0.007	0.3	0.0024	0.0000	OK	5.007	63	0.3	0.040	0.000	3.2952	
2160 minute summer	63	1260	7.987	0.151	0.6	0.0513	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	3.1902	
								Infiltration		0.3					
2160 minute summer	63_OUT	1260	7.987	0.222	0.4	0.0755	0.0000	OK	Infiltration		0.3				
2160 minute summer	64	1320	6.291	0.106	0.1	0.0169	0.0000	OK	6.000	65	0.1	0.024	0.000	0.9100	
2160 minute summer	65	1320	6.291	0.166	0.2	0.0265	0.0000	OK	6.001	66	0.1	0.005	0.000	1.4848	
								Infiltration		0.1					
2160 minute summer	66	1320	6.291	0.198	0.2	0.0312	0.0000	OK	6.002	67	0.0	0.001	0.000	0.9249	
								Infiltration		0.1					
2160 minute summer	67	1320	6.291	0.215	0.1	0.0333	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000	
								Infiltration		0.1					
2160 minute summer	68	960	6.079	0.003	0.1	0.0004	0.0000	OK	6.004	69	0.1	0.009	0.000	1.9779	
2160 minute summer	69	1320	5.963	0.198	0.2	0.0317	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000	
								Infiltration		0.2					
2160 minute summer	70	1320	5.775	0.020	0.1	0.0033	0.0000	OK	6.006	71	0.1	0.014	0.000	0.2940	
2160 minute summer	71	1320	5.775	0.090	0.2	0.0145	0.0000	OK	6.007	72	0.1	0.006	0.000	1.3120	
								Infiltration		0.1					
2160 minute summer	72	1320	5.775	0.090	0.2	0.0145	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000	
								Infiltration		0.2					
2160 minute summer	73	1320	5.938	0.234	0.1	0.0375	0.0000	OK	6.009	74	0.1	0.013	0.000	1.0301	
2160 minute summer	74	1320	5.938	0.234	0.2	0.0375	0.0000	OK	6.010	75	0.1	0.018	0.000	1.1865	
								Infiltration		0.1					
2160 minute summer	75	1320	5.939	0.234	0.2	0.0375	0.0000	OK	6.011	76	0.1	0.006	0.000	1.3486	
								Infiltration		0.1					
2160 minute summer	76	1320	5.939	0.304	0.2	0.0483	0.0000	OK	6.012	76_OUT	0.1	0.001	0.000	1.4851	
								Infiltration		0.1					
2160 minute summer	76_OUT	1320	5.938	0.304	0.2	0.0487	0.0000	OK	Infiltration		0.1				

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Results for 30 year 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 97.28%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	1	1080	9.568	0.268	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	-0.001	-0.002	0.4653	
2160 minute winter	2	1080	9.568	0.318	1.3	0.0000	0.0000	FLOOD RISK	1.001	3	-1.3	-0.088	-0.067	1.1264	
2160 minute winter	3	1140	9.568	0.419	2.8	0.0000	0.0000	FLOOD RISK	1.002	4	-2.8	-0.088	-0.121	0.4986	
2160 minute winter	4	1080	9.569	0.469	2.9	0.0000	0.0000	FLOOD RISK	1.003	5	-2.9	-0.094	-0.128	0.8441	
2160 minute winter	5	1080	9.568	0.568	3.1	0.0000	0.0000	FLOOD RISK	1.004	6	-3.1	-0.100	-0.084	0.1621	
2160 minute winter	6	1140	9.568	0.668	4.8	5.5097	0.0000	FLOOD RISK	1.005	7	4.4	0.454	0.091	0.7796	
2160 minute winter	7	1080	9.568	0.818	6.9	3.3328	0.0000	FLOOD RISK	1.006	8	6.9	0.437	0.099	2.4823	
2160 minute winter	8	1140	9.567	1.017	12.0	6.9786	0.0000	FLOOD RISK	1.007	9	12.0	0.436	0.111	5.9230	
2160 minute winter	9	1080	9.565	1.215	20.4	11.6169	0.0000	FLOOD RISK	1.008	10	20.4	0.403	0.086	3.1360	
2160 minute winter	10	1080	9.565	1.265	22.0	2.2430	0.0000	FLOOD RISK	1.009	11	22.0	0.362	0.149	47.8613	
2160 minute winter	11	1140	9.558	1.558	22.0	0.0000	0.0000	FLOOD RISK	1.010	12	22.0	0.183	0.078	53.3278	
2160 minute winter	12	360	7.750	1.000	22.0	0.0000	0.0000	FLOOD RISK	1.011	13	22.0	0.181	0.112	0.2525	
2160 minute winter	13	1140	9.546	0.046	22.0	0.0000	0.0000	OK	1.012	13_OUT	22.0	2.472	0.018	0.0533	
2160 minute winter	13_OUT	2160	7.809	0.276	22.0	0.0000	0.0000	OK	Flow through pond	49	46.9	0.007	0.000	2564.9663	
2160 minute winter	14	1080	9.560	0.280	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.0	0.002	0.002	0.8136	
2160 minute winter	15	1080	9.560	0.474	3.4	3.7545	0.0000	FLOOD RISK	2.001	16	3.4	0.390	0.070	0.9254	
2160 minute winter	16	1080	9.559	0.568	3.4	0.0000	0.0000	FLOOD RISK	2.002	17	3.4	0.380	0.069	0.6320	
2160 minute winter	17	1080	9.559	0.700	5.1	2.1715	0.0000	FLOOD RISK	2.003	18	5.1	0.392	0.065	1.8750	
2160 minute winter	18	1080	9.558	0.877	9.3	5.5198	0.0000	FLOOD RISK	2.004	19	9.3	0.399	0.074	5.4890	
2160 minute winter	19	1140	9.558	1.102	16.5	9.9353	0.0000	FLOOD RISK	2.005	20	16.5	0.388	0.084	4.0628	
2160 minute winter	20	1140	9.557	1.146	16.5	0.0000	0.0000	FLOOD RISK	2.006	21	16.5	0.542	0.083	3.4979	
2160 minute winter	21	1140	9.557	1.185	16.5	0.0000	0.0000	FLOOD RISK	2.007	22	16.5	0.563	0.028	3.7464	
2160 minute winter	22	1140	9.557	1.557	21.2	6.7629	0.0000	FLOOD RISK	2.008	23	21.2	0.134	0.074	53.3017	
2160 minute winter	23	360	7.750	1.000	21.2	0.0000	0.0000	FLOOD RISK	2.009	24	21.2	0.175	0.108	0.2524	
2160 minute winter	24	1140	9.545	0.045	21.2	0.0000	0.0000	OK	2.010	24_OUT	21.2	2.446	0.017	0.0519	
2160 minute winter	24_OUT	2160	7.809	0.276	21.2	0.0000	0.0000	OK	Flow through pond	49	46.9	0.007	0.000	2564.9663	
2160 minute winter	25	1080	8.812	0.016	0.4	0.0099	0.0000	OK	3.000	26	0.4	0.335	0.022	0.0425	
2160 minute winter	26	1080	8.456	0.021	0.8	0.0324	0.0000	OK	3.001	27	0.6	0.438	0.040	0.0581	
									Infiltration		0.2				
2160 minute winter	27	1080	8.136	0.021	1.0	0.0382	0.0000	OK	3.002	28	0.8	0.541	0.041	0.0500	
									Infiltration		0.2				
2160 minute winter	28	1080	7.717	0.022	1.2	0.0314	0.0000	OK	3.003	29	1.1	0.652	0.048	0.0600	
									Infiltration		0.1				
2160 minute winter	29	1080	7.088	0.023	1.5	0.0295	0.0000	OK	3.004	30	1.4	0.806	0.050	0.0116	
									Infiltration		0.1				
2160 minute winter	30	1080	6.842	0.017	1.5	0.0020	0.0000	OK	3.005	31	1.5	0.128	0.001	0.3901	
2160 minute winter	31	1200	6.751	0.056	1.6	0.0067	0.0000	OK	3.006	32	1.2	0.052	0.001	0.6841	
									Infiltration		0.4				

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2160 minute winter	32	1200	6.751	0.106	1.4	0.0127	0.0000	OK	3.007	33	-0.1	-0.004	0.000	0.4549
									Infiltration		0.6			
									Infiltration		0.8			
2160 minute winter	33	960	6.777	0.002	0.1	0.0003	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0184
2160 minute winter	34	960	6.748	0.003	0.1	0.0004	0.0000	OK	3.009	35	0.1	0.055	0.000	0.0171
									Infiltration		0.0			
2160 minute winter	35	960	6.679	0.004	0.2	0.0004	0.0000	OK	3.010	36	0.2	0.012	0.000	0.2791
									Infiltration		0.0			
2160 minute winter	36	1200	6.578	0.073	0.3	0.0063	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
2160 minute winter	37	960	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.006	0.000	0.5365
2160 minute winter	38	1200	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.030	0.000	0.3865
									Infiltration		0.3			
									Infiltration		0.4			
2160 minute winter	39	960	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461
									Infiltration		0.0			
2160 minute winter	40	960	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0385
									Infiltration		0.0			
2160 minute winter	41	960	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324
									Infiltration		0.0			
2160 minute winter	42	960	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.064	0.000	0.0319
									Infiltration		0.0			
2160 minute winter	43	960	7.150	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251
									Infiltration		0.0			
2160 minute winter	44	960	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202
2160 minute winter	45	960	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0288
									Infiltration		0.0			
2160 minute winter	46	960	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357
									Infiltration		0.0			
2160 minute winter	47	960	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.058	0.000	0.1702
									Infiltration		0.0			
2160 minute winter	48	1320	6.834	0.039	0.4	0.0047	0.0000	OK	3.023	53	0.4	0.055	0.001	0.3300
									Infiltration		0.0			
2160 minute winter	49	2400	7.804	-0.196	48.1	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
2160 minute winter	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
2160 minute winter	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
2160 minute winter	52	60	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
2160 minute winter	53	1320	6.834	0.049	0.5	0.0059	0.0000	OK	3.024	54	0.5	0.112	0.000	1.2285
									Infiltration		0.1			
2160 minute winter	54	1320	6.834	0.209	0.5	0.0251	0.0000	OK	3.025	54_OUT	0.5	0.013	0.000	3.1458
									Infiltration		0.2			
2160 minute winter	54_OUT	1320	6.834	0.329	0.6	0.0395	0.0000	OK	Infiltration		0.3			

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2160 minute winter	55	960	8.463	0.017	0.2	0.0058	0.0000	OK	5.000	56	0.2	0.184	0.027	0.0182
2160 minute winter	56	960	8.433	0.017	0.4	0.0280	0.0000	OK	5.001	57	0.3	0.238	0.027	0.0312
									Infiltration		0.1			
2160 minute winter	57	960	8.335	0.025	0.5	0.0250	0.0000	OK	5.002	58	0.5	0.238	0.059	0.0815
									Infiltration		0.1			
2160 minute winter	58	1320	8.287	0.042	0.7	0.1278	0.0000	OK	5.003	59	0.5	0.253	0.071	0.1523
									Infiltration		0.2			
2160 minute winter	59	1320	8.286	0.081	0.7	0.3884	0.0000	OK	5.004	60	0.5	0.041	0.001	1.8875
									Infiltration		0.3			
2160 minute winter	60	1320	8.286	0.101	0.7	0.0344	0.0000	OK	5.005	61	0.3	0.026	0.000	3.5961
									Infiltration		0.3			
2160 minute winter	61	1320	8.286	0.150	0.5	0.0510	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
2160 minute winter	62	1020	8.142	0.006	0.2	0.0018	0.0000	OK	5.007	63	0.2	0.040	0.000	2.9284
2160 minute winter	63	1320	7.973	0.137	0.4	0.0465	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	2.8874
									Infiltration		0.3			
2160 minute winter	63_OUT	1320	7.973	0.268	0.3	0.0708	0.0000	OK	Infiltration		0.3			
2160 minute winter	64	1440	6.324	0.139	0.1	0.0222	0.0000	OK	6.000	65	0.1	0.024	0.000	1.1877
2160 minute winter	65	1440	6.324	0.199	0.2	0.0318	0.0000	OK	6.001	66	0.1	0.005	0.000	1.8518
									Infiltration		0.1			
2160 minute winter	66	1440	6.324	0.231	0.2	0.0368	0.0000	OK	6.002	67	0.0	0.001	0.000	1.1204
									Infiltration		0.1			
2160 minute winter	67	1440	6.324	0.248	0.1	0.0384	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
2160 minute winter	68	840	6.079	0.003	0.1	0.0004	0.0000	OK	6.004	69	0.1	0.009	0.000	2.1353
2160 minute winter	69	1440	5.978	0.211	0.2	0.0337	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
2160 minute winter	70	1440	5.785	0.030	0.1	0.0049	0.0000	OK	6.006	71	0.1	0.014	0.000	0.3568
2160 minute winter	71	1440	5.785	0.100	0.2	0.0161	0.0000	OK	6.007	72	0.1	0.006	0.000	1.4810
									Infiltration		0.1			
2160 minute winter	72	1440	5.785	0.100	0.2	0.0161	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
2160 minute winter	73	1440	5.995	0.280	0.1	0.0465	0.0000	OK	6.009	74	0.1	0.013	0.000	1.3739
2160 minute winter	74	1440	5.995	0.290	0.2	0.0465	0.0000	OK	6.010	75	0.1	0.019	0.000	1.5558
									Infiltration		0.1			
2160 minute winter	75	1440	5.995	0.290	0.2	0.0465	0.0000	OK	6.011	76	0.1	0.006	0.000	1.7469
									Infiltration		0.1			
2160 minute winter	76	1440	5.995	0.350	0.2	0.0548	0.0000	OK	6.012	76_OUT	0.1	0.001	0.000	1.8811
									Infiltration		0.1			
2160 minute winter	76_OUT	1440	5.995	0.360	0.2	0.0577	0.0000	OK	Infiltration		0.1			

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Results for 30 year 2880 minute summer, 3120 minute analysis at 60 minute timestep. Mass balance: 97.11%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	1	1440	9.573	0.273	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	-0.001	-0.002	0.4853	
2880 minute summer	2	1500	9.573	0.323	0.0	0.0000	0.0000	FLOOD RISK	1.001	3	0.0	-0.001	-0.002	1.1264	
2880 minute summer	3	1500	9.574	0.424	0.6	0.0000	0.0000	FLOOD RISK	1.002	4	-0.6	-0.119	-0.029	0.4986	
2880 minute summer	4	1500	9.573	0.473	1.2	0.0000	0.0000	FLOOD RISK	1.003	5	-1.2	-0.060	-0.054	0.8441	
2880 minute summer	5	1500	9.573	0.573	1.7	0.0000	0.0000	FLOOD RISK	1.004	6	-1.7	-0.054	-0.045	0.1621	
2880 minute summer	6	1500	9.573	0.673	4.7	5.5494	0.0000	FLOOD RISK	1.005	7	4.7	0.405	0.097	0.7796	
2880 minute summer	7	1500	9.572	0.822	7.4	3.3520	0.0000	FLOOD RISK	1.006	8	7.4	0.380	0.155	2.4923	
2880 minute summer	8	1500	9.571	1.021	12.9	7.0103	0.0000	FLOOD RISK	1.007	9	12.9	0.383	0.119	5.9230	
2880 minute summer	9	1500	9.570	1.220	21.9	11.8615	0.0000	FLOOD RISK	1.008	10	21.9	0.357	0.092	3.1360	
2880 minute summer	10	1500	9.569	1.269	23.6	2.2506	0.0000	FLOOD RISK	1.009	11	23.6	0.314	0.180	47.8613	
2880 minute summer	11	1500	9.562	1.562	23.6	0.0000	0.0000	FLOOD RISK	1.010	12	23.6	0.138	0.082	53.3278	
2880 minute summer	12	420	7.750	1.000	23.6	0.0000	0.0000	FLOOD RISK	1.011	13	23.6	0.194	0.120	0.2530	
2880 minute summer	13	1500	9.547	0.047	23.6	0.0000	0.0000	OK	1.012	13_OUT	23.6	2.523	0.019	0.0560	
2880 minute summer	13_OUT	2940	7.791	0.258	23.6	0.0000	0.0000	OK	Flow through pond	49	39.0	0.005	0.000	2427.1028	
2880 minute summer	14	1500	9.563	0.263	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.1	0.003	0.003	0.8138	
2880 minute summer	15	1440	9.563	0.477	3.8	3.7824	0.0000	FLOOD RISK	2.001	16	3.8	0.342	0.074	0.9254	
2880 minute summer	16	1440	9.563	0.572	3.8	0.0000	0.0000	FLOOD RISK	2.002	17	3.8	0.357	0.073	0.6320	
2880 minute summer	17	1440	9.562	0.760	5.5	2.1822	0.0000	FLOOD RISK	2.003	18	5.5	0.357	0.070	1.8750	
2880 minute summer	18	1440	9.562	0.881	10.0	5.5408	0.0000	FLOOD RISK	2.004	19	10.0	0.374	0.079	5.4890	
2880 minute summer	19	1500	9.561	1.105	17.7	9.9644	0.0000	FLOOD RISK	2.005	20	17.7	0.355	0.090	4.0628	
2880 minute summer	20	1500	9.561	1.150	17.7	0.0000	0.0000	FLOOD RISK	2.006	21	17.7	0.482	0.089	3.4979	
2880 minute summer	21	1500	9.560	1.188	17.7	0.0000	0.0000	FLOOD RISK	2.007	22	17.7	0.491	0.030	3.7404	
2880 minute summer	22	1440	9.560	1.580	22.7	6.7784	0.0000	FLOOD RISK	2.008	23	22.7	0.116	0.079	53.3017	
2880 minute summer	23	480	7.750	1.000	22.7	0.0000	0.0000	FLOOD RISK	2.009	24	22.7	0.186	0.116	0.2529	
2880 minute summer	24	1500	9.547	0.047	22.7	0.0000	0.0000	OK	2.010	24_OUT	22.7	2.495	0.018	0.0545	
2880 minute summer	24_OUT	2940	7.791	0.258	22.7	0.0000	0.0000	OK	Flow through pond	49	39.0	0.005	0.000	2427.1028	
2880 minute summer	25	1500	8.812	0.016	0.4	0.0099	0.0000	OK	3.000	26	0.4	0.338	0.022	0.0425	
2880 minute summer	26	1500	8.456	0.021	0.8	0.0024	0.0000	OK	3.001	27	0.6	0.438	0.040	0.0581	
									Infiltration		0.2				
2880 minute summer	27	1500	8.136	0.021	1.0	0.0363	0.0000	OK	3.002	28	0.8	0.541	0.041	0.0500	
									Infiltration		0.2				
2880 minute summer	28	1500	7.717	0.022	1.2	0.0314	0.0000	OK	3.003	29	1.1	0.652	0.048	0.0500	
									Infiltration		0.1				
2880 minute summer	29	1500	7.068	0.023	1.5	0.0295	0.0000	OK	3.004	30	1.4	0.806	0.050	0.0115	
									Infiltration		0.1				
2880 minute summer	30	1500	6.842	0.017	1.5	0.0020	0.0000	OK	3.005	31	1.5	0.128	0.001	0.3873	
2880 minute summer	31	1500	6.751	0.056	1.6	0.0087	0.0000	OK	3.006	32	1.2	0.052	0.001	0.6598	
									Infiltration		0.4				
2880 minute summer	32	1500	6.750	0.105	1.4	0.0127	0.0000	OK	3.007	33	-0.1	-0.004	0.000	0.4525	

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								Infiltration		0.5					
								Infiltration		0.8					
2880 minute summer	33	1380	6.777	0.002	0.1	0.0003	0.0000 OK	3.008	34	0.0	0.000	0.000	0.0184		
2880 minute summer	34	1380	6.748	0.003	0.1	0.0004	0.0000 OK	3.009	35	0.1	0.055	0.000	0.0171		
								Infiltration		0.5					
2880 minute summer	35	1380	6.679	0.004	0.2	0.0004	0.0000 OK	3.010	36	0.2	0.012	0.000	0.2791		
								Infiltration		0.0					
2880 minute summer	36	1620	6.578	0.073	0.3	0.0083	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
2880 minute summer	37	1380	6.508	0.003	0.1	0.0003	0.0000 OK	3.012	38	0.1	0.006	0.000	0.5365		
2880 minute summer	38	1620	6.347	0.082	0.7	0.0098	0.0000 OK	3.013	39	-0.5	-0.030	0.000	0.3805		
								Infiltration		0.3					
								Infiltration		0.4					
2880 minute summer	39	1380	6.462	0.007	0.5	0.0009	0.0000 OK	3.014	40	-0.4	-0.130	0.000	0.0461		
								Infiltration		0.0					
2880 minute summer	40	1380	6.701	0.006	0.4	0.0007	0.0000 OK	3.015	41	-0.3	-0.116	0.000	0.0368		
								Infiltration		0.0					
2880 minute summer	41	1380	6.871	0.006	0.3	0.0007	0.0000 OK	3.016	42	-0.2	-0.097	0.000	0.0324		
								Infiltration		0.0					
2880 minute summer	42	1380	7.089	0.004	0.3	0.0005	0.0000 OK	3.017	43	-0.2	-0.084	0.000	0.0319		
								Infiltration		0.0					
2880 minute summer	43	1380	7.156	0.005	0.2	0.0006	0.0000 OK	3.018	44	-0.1	-0.031	0.000	0.0251		
								Infiltration		0.0					
2880 minute summer	44	1380	7.228	0.003	0.1	0.0003	0.0000 OK	3.019	45	0.0	0.023	0.000	0.0202		
2880 minute summer	45	1380	7.199	0.004	0.1	0.0005	0.0000 OK	3.020	46	0.1	0.059	0.000	0.0286		
								Infiltration		0.0					
2880 minute summer	46	1380	7.130	0.005	0.2	0.0005	0.0000 OK	3.021	47	0.2	0.087	0.000	0.0357		
								Infiltration		0.0					
2880 minute summer	47	1380	6.971	0.006	0.3	0.0007	0.0000 OK	3.022	48	0.3	0.058	0.000	0.1398		
								Infiltration		0.0					
2880 minute summer	48	1620	6.827	0.032	0.4	0.0038	0.0000 OK	3.023	50	0.4	0.065	0.001	0.2695		
								Infiltration		0.0					
2880 minute summer	49	2940	7.789	-0.211	41.0	0.0000	0.0000 OK	Orifice	50	0.0					
								Infiltration		0.8					
2880 minute summer	50	60	7.400	0.000	0.0	0.0000	0.0000 OK	4.001	51	0.0	0.000	0.000	0.0000		
2880 minute summer	51	60	7.300	0.000	0.0	0.0000	0.0000 OK	4.002	52	0.0	0.000	0.000	0.0000		
2880 minute summer	52	60	7.200	0.000	0.0	0.0000	0.0000 OK	4.003	53	0.0	0.000	0.000	0.0000		
2880 minute summer	53	1620	6.826	0.041	0.5	0.0050	0.0000 OK	3.024	54	0.5	0.112	0.000	1.1475		
								Infiltration		0.1					
2880 minute summer	54	1620	6.826	0.201	0.8	0.0242	0.0000 OK	3.025	54_OUT	0.5	0.013	0.000	3.0275		
								Infiltration		0.2					
2880 minute summer	54_OUT	1620	6.826	0.321	0.6	0.0366	0.0000 OK	Infiltration		0.3					
2880 minute summer	55	1440	8.463	0.017	0.2	0.0058	0.0000 OK	5.000	56	0.2	0.184	0.027	0.0182		
2880 minute summer	56	1440	8.433	0.017	0.4	0.0280	0.0000 OK	5.001	57	0.3	0.228	0.027	0.0312		

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								Infiltration		0.1				
2880 minute summer	57	1440	8.335	0.025	0.5	0.0250	0.0000OK	5.002	58	0.5	0.238	0.059	0.0852	
								Infiltration		0.1				
2880 minute summer	58	1560	8.273	0.028	0.7	0.0628	0.0000OK	5.003	59	0.5	0.252	0.071	0.1077	
								Infiltration		0.2				
2880 minute summer	59	1560	8.271	0.086	0.7	0.2932	0.0000OK	5.004	60	0.5	0.041	0.001	1.5070	
								Infiltration		0.3				
2880 minute summer	60	1560	8.270	0.085	0.7	0.0290	0.0000OK	5.005	61	0.3	0.026	0.000	3.0731	
								Infiltration		0.3				
2880 minute summer	61	1560	8.270	0.134	0.5	0.0457	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000	
								Infiltration		0.4				
2880 minute summer	62	1500	8.142	0.006	0.2	0.0018	0.0000OK	5.007	63	0.2	0.040	0.000	2.3037	
2880 minute summer	63	1560	7.947	0.111	0.4	0.0377	0.0000OK	5.008	63_OUT	0.1	0.014	0.000	2.3894	
								Infiltration		0.3				
2880 minute summer	63_OUT	1560	7.947	0.182	0.3	0.0619	0.0000OK	Infiltration		0.3				
2880 minute summer	64	1680	6.291	0.106	0.1	0.0159	0.0000OK	6.000	65	0.1	0.024	0.000	0.9100	
2880 minute summer	65	1680	6.291	0.166	0.2	0.0265	0.0000OK	6.001	66	0.1	0.005	0.000	1.4848	
								Infiltration		0.1				
2880 minute summer	66	1680	6.291	0.198	0.2	0.0312	0.0000OK	6.002	67	0.0	0.001	0.000	0.9249	
								Infiltration		0.1				
2880 minute summer	67	1680	6.291	0.215	0.1	0.0333	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000	
								Infiltration		0.1				
2880 minute summer	68	1320	6.079	0.003	0.1	0.0004	0.0000OK	6.004	69	0.1	0.009	0.000	1.9779	
2880 minute summer	69	1680	5.963	0.198	0.2	0.0317	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000	
								Infiltration		0.2				
2880 minute summer	70	1680	5.775	0.020	0.1	0.0033	0.0000OK	6.006	71	0.1	0.014	0.000	0.2840	
2880 minute summer	71	1680	5.775	0.090	0.2	0.0145	0.0000OK	6.007	72	0.1	0.006	0.000	1.3120	
								Infiltration		0.1				
2880 minute summer	72	1680	5.775	0.090	0.2	0.0145	0.0000OK	6.008	73	0.0	0.000	0.000	0.0000	
								Infiltration		0.2				
2880 minute summer	73	1680	5.938	0.234	0.1	0.0375	0.0000OK	6.009	74	0.1	0.013	0.000	1.0301	
2880 minute summer	74	1680	5.938	0.234	0.2	0.0375	0.0000OK	6.010	75	0.1	0.018	0.000	1.1865	
								Infiltration		0.1				
2880 minute summer	75	1680	5.939	0.234	0.2	0.0375	0.0000OK	6.011	76	0.1	0.006	0.000	1.3487	
								Infiltration		0.1				
2880 minute summer	76	1680	5.939	0.304	0.2	0.0483	0.0000OK	6.012	76_OUT	0.1	0.001	0.000	1.4851	
								Infiltration		0.1				
2880 minute summer	76_OUT	1680	5.939	0.304	0.2	0.0487	0.0000OK	Infiltration		0.1				

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Results for 30 year 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 97.42%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	1	1500	9.557	0.257	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	0.091	0.002	0.4653	
2880 minute winter	2	1500	9.557	0.307	0.1	0.0000	0.0000	FLOOD RISK	1.001	3	-0.1	-0.002	-0.003	1.1264	
2880 minute winter	3	1440	9.557	0.407	0.1	0.0000	0.0000	FLOOD RISK	1.002	4	-0.1	-0.002	-0.002	0.4986	
2880 minute winter	4	1440	9.557	0.457	0.1	0.0000	0.0000	FLOOD RISK	1.003	5	0.1	0.003	0.004	0.8441	
2880 minute winter	5	1440	9.557	0.557	0.7	0.0000	0.0000	FLOOD RISK	1.004	6	-0.7	-0.040	-0.020	0.1621	
2880 minute winter	6	1500	9.557	0.657	3.6	5.4143	0.0000	FLOOD RISK	1.005	7	3.6	0.417	0.074	0.7796	
2880 minute winter	7	1500	9.556	0.806	5.7	3.2883	0.0000	FLOOD RISK	1.006	8	5.7	0.401	0.081	2.4923	
2880 minute winter	8	1440	9.556	1.006	9.8	6.9021	0.0000	FLOOD RISK	1.007	9	9.8	0.390	0.081	5.9230	
2880 minute winter	9	1500	9.555	1.205	16.6	11.7150	0.0000	FLOOD RISK	1.008	10	16.6	0.381	0.070	3.1360	
2880 minute winter	10	1500	9.555	1.255	17.9	2.2242	0.0000	FLOOD RISK	1.009	11	17.9	0.333	0.121	47.8613	
2880 minute winter	11	1500	9.550	1.550	17.9	0.0000	0.0000	FLOOD RISK	1.010	12	17.9	0.223	0.062	53.3278	
2880 minute winter	12	420	7.750	1.000	17.9	0.0000	0.0000	FLOOD RISK	1.011	13	17.9	0.149	0.091	0.2516	
2880 minute winter	13	1500	9.542	0.042	17.9	0.0000	0.0000	OK	1.012	13_OUT	17.9	2.319	0.014	0.0462	
2880 minute winter	13_OUT	2880	7.830	0.297	17.9	0.0000	0.0000	OK	Flow through pond	49	30.9	0.005	0.000	2760.5869	
2880 minute winter	14	1500	9.550	0.250	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.1	0.004	0.004	0.8136	
2880 minute winter	15	1440	9.550	0.464	2.7	3.8791	0.0000	FLOOD RISK	2.001	16	2.7	0.343	0.058	0.9254	
2880 minute winter	16	1440	9.550	0.558	2.7	0.0000	0.0000	FLOOD RISK	2.002	17	2.7	0.357	0.055	0.6320	
2880 minute winter	17	1500	9.550	0.691	4.1	2.1430	0.0000	FLOOD RISK	2.003	18	4.1	0.387	0.052	1.8750	
2880 minute winter	18	1500	9.549	0.866	7.5	5.4628	0.0000	FLOOD RISK	2.004	19	7.5	0.387	0.060	5.4890	
2880 minute winter	19	1440	9.549	1.093	13.3	9.8557	0.0000	FLOOD RISK	2.005	20	13.3	0.357	0.067	4.0628	
2880 minute winter	20	1440	9.549	1.138	13.3	0.0000	0.0000	FLOOD RISK	2.006	21	13.3	0.499	0.067	3.4979	
2880 minute winter	21	1500	9.549	1.177	13.3	0.0000	0.0000	FLOOD RISK	2.007	22	13.3	0.506	0.022	3.7464	
2880 minute winter	22	1500	9.548	1.548	17.0	6.7281	0.0000	FLOOD RISK	2.008	23	17.0	0.147	0.059	53.3017	
2880 minute winter	23	420	7.750	1.000	17.0	0.0000	0.0000	FLOOD RISK	2.009	24	17.0	0.141	0.087	0.2509	
2880 minute winter	24	1500	9.541	0.041	17.0	0.0000	0.0000	OK	2.010	24_OUT	17.0	2.282	0.014	0.0446	
2880 minute winter	24_OUT	2880	7.830	0.297	17.0	0.0000	0.0000	OK	Flow through pond	49	30.9	0.005	0.000	2760.5869	
2880 minute winter	25	1320	8.810	0.014	0.3	0.0087	0.0000	OK	3.000	26	0.3	0.311	0.017	0.0343	
2880 minute winter	26	1320	8.453	0.018	0.8	0.0255	0.0000	OK	3.001	27	0.5	0.399	0.029	0.0460	
									Infiltration		0.1				
2880 minute winter	27	1320	8.133	0.018	0.6	0.0292	0.0000	OK	3.002	28	0.6	0.487	0.029	0.0391	
									Infiltration		0.2				
2880 minute winter	28	1320	7.714	0.019	0.9	0.0244	0.0000	OK	3.003	29	0.8	0.557	0.032	0.0468	
									Infiltration		0.1				
2880 minute winter	29	1320	7.085	0.020	1.1	0.0230	0.0000	OK	3.004	30	1.0	0.728	0.035	0.0091	
									Infiltration		0.1				
2880 minute winter	30	1380	6.839	0.014	1.1	0.0017	0.0000	OK	3.005	31	1.1	0.138	0.000	0.2336	
2880 minute winter	31	1620	6.727	0.032	1.2	0.0036	0.0000	OK	3.006	32	1.0	0.052	0.001	0.4443	
									Infiltration		0.2				

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2880 minute winter	32	1620	6.736	0.081	1.1	0.0097	0.0000	OK	3.007	33	-0.1	-0.003	0.000	0.3357
									Infiltration		0.4			
									Infiltration		0.7			
2880 minute winter	33	1380	6.777	0.002	0.1	0.0003	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0184
2880 minute winter	34	1380	6.748	0.003	0.1	0.0004	0.0000	OK	3.009	35	0.1	0.055	0.000	0.0171
									Infiltration		0.0			
2880 minute winter	35	1380	6.679	0.004	0.2	0.0004	0.0000	OK	3.010	36	0.2	0.012	0.000	0.2791
									Infiltration		0.0			
2880 minute winter	36	1620	6.578	0.073	0.3	0.0083	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
2880 minute winter	37	1380	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.006	0.000	0.5365
2880 minute winter	38	1620	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.030	0.000	0.3865
									Infiltration		0.3			
									Infiltration		0.4			
2880 minute winter	39	1380	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461
									Infiltration		0.0			
2880 minute winter	40	1380	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0385
									Infiltration		0.0			
2880 minute winter	41	1380	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324
									Infiltration		0.0			
2880 minute winter	42	1380	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.064	0.000	0.0319
									Infiltration		0.0			
2880 minute winter	43	1380	7.150	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251
									Infiltration		0.0			
2880 minute winter	44	1380	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202
2880 minute winter	45	1380	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0288
									Infiltration		0.0			
2880 minute winter	46	1380	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357
									Infiltration		0.0			
2880 minute winter	47	1380	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.058	0.000	0.1398
									Infiltration		0.0			
2880 minute winter	48	1620	6.827	0.032	0.4	0.0038	0.0000	OK	3.023	53	0.4	0.055	0.001	0.2595
									Infiltration		0.0			
2880 minute winter	49	3060	7.825	-0.175	38.4	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
2880 minute winter	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
2880 minute winter	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
2880 minute winter	52	60	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
2880 minute winter	53	1620	6.825	0.041	0.5	0.0050	0.0000	OK	3.024	54	0.5	0.112	0.000	1.1475
									Infiltration		0.1			
2880 minute winter	54	1620	6.828	0.201	0.5	0.0242	0.0000	OK	3.025	54_OUT	0.5	0.013	0.000	3.0275
									Infiltration		0.2			
2880 minute winter	54_OUT	1620	6.828	0.321	0.6	0.0386	0.0000	OK	Infiltration		0.3			

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2880 minute winter	55	1440	8.463	0.017	0.2	0.0058	0.0000	OK	5.000	56	0.2	0.184	0.027	0.0182
2880 minute winter	56	1440	8.433	0.017	0.4	0.0280	0.0000	OK	5.001	57	0.3	0.238	0.027	0.0312
									Infiltration		0.1			
2880 minute winter	57	1440	8.335	0.025	0.5	0.0250	0.0000	OK	5.002	58	0.5	0.238	0.059	0.0653
									Infiltration		0.1			
2880 minute winter	58	1560	8.274	0.029	0.7	0.0632	0.0000	OK	5.003	59	0.5	0.251	0.071	0.1080
									Infiltration		0.2			
2880 minute winter	59	1560	8.271	0.056	0.7	0.2940	0.0000	OK	5.004	60	0.5	0.041	0.001	1.5098
									Infiltration		0.3			
2880 minute winter	60	1560	8.271	0.086	0.7	0.0291	0.0000	OK	5.005	61	0.3	0.026	0.000	3.0772
									Infiltration		0.3			
2880 minute winter	61	1560	8.271	0.135	0.5	0.0457	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
2880 minute winter	62	1500	8.142	0.006	0.2	0.0019	0.0000	OK	5.007	63	0.2	0.040	0.000	2.3699
2880 minute winter	63	1560	7.950	0.114	0.4	0.0387	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	2.4244
									Infiltration		0.2			
2880 minute winter	63_OUT	1560	7.950	0.155	0.3	0.0628	0.0000	OK	Infiltration		0.3			
2880 minute winter	64	1800	6.324	0.139	0.1	0.0222	0.0000	OK	6.000	65	0.1	0.024	0.000	1.1877
2880 minute winter	65	1800	6.324	0.199	0.2	0.0318	0.0000	OK	6.001	66	0.1	0.005	0.000	1.8518
									Infiltration		0.1			
2880 minute winter	66	1800	6.324	0.231	0.2	0.0368	0.0000	OK	6.002	67	0.0	0.001	0.000	1.1204
									Infiltration		0.1			
2880 minute winter	67	1800	6.324	0.248	0.1	0.0384	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
2880 minute winter	68	1200	6.079	0.003	0.1	0.0004	0.0000	OK	6.004	69	0.1	0.009	0.000	2.1353
2880 minute winter	69	1800	5.978	0.211	0.2	0.0337	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
2880 minute winter	70	1800	5.785	0.030	0.1	0.0049	0.0000	OK	6.006	71	0.1	0.014	0.000	0.3568
2880 minute winter	71	1800	5.785	0.100	0.2	0.0161	0.0000	OK	6.007	72	0.1	0.006	0.000	1.4810
									Infiltration		0.1			
2880 minute winter	72	1800	5.785	0.100	0.2	0.0161	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
2880 minute winter	73	1800	5.995	0.280	0.1	0.0465	0.0000	OK	6.009	74	0.1	0.013	0.000	1.3739
2880 minute winter	74	1800	5.995	0.290	0.2	0.0465	0.0000	OK	6.010	75	0.1	0.019	0.000	1.5558
									Infiltration		0.1			
2880 minute winter	75	1800	5.995	0.290	0.2	0.0465	0.0000	OK	6.011	76	0.1	0.006	0.000	1.7469
									Infiltration		0.1			
2880 minute winter	76	1800	5.995	0.350	0.2	0.0548	0.0000	OK	6.012	76_OUT	0.1	0.001	0.000	1.8811
									Infiltration		0.1			
2880 minute winter	76_OUT	1800	5.995	0.360	0.2	0.0577	0.0000	OK	Infiltration		0.1			

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Results for 30 year 4320 minute summer, 4560 minute analysis at 60 minute timestep. Mass balance: 97.35%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	1	2160	9.557	0.257	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	-0.002	-0.002	0.4853	
4320 minute summer	2	2160	9.557	0.307	0.1	0.0000	0.0000	FLOOD RISK	1.001	3	0.1	0.002	0.003	1.1264	
4320 minute summer	3	2220	9.557	0.407	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.032	-0.022	0.4986	
4320 minute summer	4	2220	9.557	0.457	0.9	0.0000	0.0000	FLOOD RISK	1.003	5	-0.9	-0.030	-0.037	0.8441	
4320 minute summer	5	2220	9.557	0.557	1.0	0.0000	0.0000	FLOOD RISK	1.004	6	-1.0	-0.032	-0.027	0.1621	
4320 minute summer	6	2160	9.557	0.657	3.8	5.4181	0.0000	FLOOD RISK	1.005	7	3.8	0.355	0.074	0.7796	
4320 minute summer	7	2160	9.557	0.807	5.7	3.2874	0.0000	FLOOD RISK	1.006	8	5.7	0.348	0.051	2.4923	
4320 minute summer	8	2220	9.556	1.006	9.9	6.8043	0.0000	FLOOD RISK	1.007	9	9.9	0.342	0.091	5.9230	
4320 minute summer	9	2160	9.555	1.205	16.7	11.7175	0.0000	FLOOD RISK	1.008	10	16.7	0.317	0.070	3.1360	
4320 minute summer	10	2160	9.555	1.255	18.0	2.2247	0.0000	FLOOD RISK	1.009	11	18.0	0.277	0.122	47.8613	
4320 minute summer	11	2160	9.550	1.550	18.0	0.0000	0.0000	FLOOD RISK	1.010	12	18.0	0.146	0.063	53.3278	
4320 minute summer	12	600	7.750	1.000	18.0	0.0000	0.0000	FLOOD RISK	1.011	13	18.0	0.148	0.092	0.2511	
4320 minute summer	13	2220	9.542	0.042	16.0	0.0000	0.0000	OK	1.012	13_OUT	16.0	2.324	0.015	0.0464	
4320 minute summer	13_OUT	4320	7.828	0.294	18.0	0.0000	0.0000	OK	Flow through pond	49	25.6	0.003	0.000	2740.6016	
4320 minute summer	14	2160	9.551	0.251	0.3	0.0000	0.0000	FLOOD RISK	2.000	15	-0.3	-0.018	-0.010	0.8136	
4320 minute summer	15	2160	9.551	0.485	2.7	3.6824	0.0000	FLOOD RISK	2.001	16	2.7	0.302	0.056	0.9254	
4320 minute summer	16	2220	9.550	0.558	2.7	0.0000	0.0000	FLOOD RISK	2.002	17	2.7	0.322	0.055	0.6320	
4320 minute summer	17	2220	9.550	0.691	4.1	2.1442	0.0000	FLOOD RISK	2.003	18	4.1	0.325	0.052	1.8750	
4320 minute summer	18	2160	9.550	0.889	7.5	5.4854	0.0000	FLOOD RISK	2.004	19	7.5	0.322	0.060	5.4890	
4320 minute summer	19	2160	9.549	1.093	13.4	9.8596	0.0000	FLOOD RISK	2.005	20	13.4	0.311	0.068	4.0628	
4320 minute summer	20	2160	9.549	1.138	13.4	0.0000	0.0000	FLOOD RISK	2.006	21	13.4	0.427	0.068	3.4979	
4320 minute summer	21	2220	9.549	1.177	13.4	0.0000	0.0000	FLOOD RISK	2.007	22	13.4	0.441	0.022	3.7404	
4320 minute summer	22	2220	9.548	1.549	17.2	6.7276	0.0000	FLOOD RISK	2.008	23	17.2	0.101	0.080	53.3017	
4320 minute summer	23	600	7.750	1.000	17.2	0.0000	0.0000	FLOOD RISK	2.009	24	17.2	0.143	0.088	0.2510	
4320 minute summer	24	2220	9.541	0.041	17.2	0.0000	0.0000	OK	2.010	24_OUT	17.2	2.291	0.014	0.0450	
4320 minute summer	24_OUT	4320	7.828	0.294	17.2	0.0000	0.0000	OK	Flow through pond	49	25.6	0.003	0.000	2740.6016	
4320 minute summer	25	2160	8.818	0.014	0.3	0.0087	0.0000	OK	3.000	26	0.3	0.311	0.017	0.0343	
4320 minute summer	26	2160	8.453	0.018	0.6	0.0255	0.0000	OK	3.001	27	0.5	0.389	0.029	0.0460	
									Infiltration		0.1				
4320 minute summer	27	2160	8.133	0.018	0.8	0.0293	0.0000	OK	3.002	28	0.6	0.487	0.029	0.0391	
									Infiltration		0.2				
4320 minute summer	28	2160	7.714	0.018	0.9	0.0244	0.0000	OK	3.003	29	0.8	0.587	0.032	0.0468	
									Infiltration		0.1				
4320 minute summer	29	2160	7.065	0.020	1.1	0.0230	0.0000	OK	3.004	30	1.0	0.728	0.035	0.0091	
									Infiltration		0.1				
4320 minute summer	30	2160	6.839	0.014	1.1	0.0017	0.0000	OK	3.005	31	1.1	0.128	0.000	0.2536	
4320 minute summer	31	2260	6.727	0.032	1.2	0.0038	0.0000	OK	3.006	32	1.0	0.052	0.001	0.4443	
									Infiltration		0.2				
4320 minute summer	32	2280	6.726	0.681	1.1	0.0097	0.0000	OK	3.007	33	-0.1	-0.004	0.000	0.3357	

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									Infiltration		0.4				
									Infiltration		0.7				
4320 minute summer	33	2160	6.777	0.002	0.1	0.0003	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0184	
4320 minute summer	34	2160	6.748	0.003	0.1	0.0004	0.0000	OK	3.009	35	0.1	0.055	0.000	0.0171	
									Infiltration		0.0				
4320 minute summer	35	2160	6.679	0.004	0.2	0.0004	0.0000	OK	3.010	36	0.2	0.012	0.000	0.2791	
									Infiltration		0.0				
4320 minute summer	36	2280	6.578	0.073	0.3	0.0083	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.3				
4320 minute summer	37	2160	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.006	0.000	0.5365	
4320 minute summer	38	2280	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.030	0.000	0.3805	
									Infiltration		0.3				
									Infiltration		0.4				
4320 minute summer	39	2160	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461	
									Infiltration		0.0				
4320 minute summer	40	2160	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0368	
									Infiltration		0.0				
4320 minute summer	41	2160	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324	
									Infiltration		0.0				
4320 minute summer	42	2160	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.084	0.000	0.0319	
									Infiltration		0.0				
4320 minute summer	43	2160	7.156	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251	
									Infiltration		0.0				
4320 minute summer	44	2160	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202	
4320 minute summer	45	2160	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0286	
									Infiltration		0.0				
4320 minute summer	46	2160	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0367	
									Infiltration		0.0				
4320 minute summer	47	2160	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.058	0.000	0.0828	
									Infiltration		0.0				
4320 minute summer	48	2160	6.812	0.017	0.4	0.0021	0.0000	OK	3.023	50	0.4	0.065	0.001	0.1312	
									Infiltration		0.0				
4320 minute summer	49	4440	7.823	-0.177	35.4	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
4320 minute summer	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
4320 minute summer	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
4320 minute summer	52	60	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
4320 minute summer	53	2280	6.806	0.021	0.5	0.0025	0.0000	OK	3.024	54	0.5	0.112	0.000	0.9430	
									Infiltration		0.1				
4320 minute summer	54	2280	6.806	0.181	0.8	0.0217	0.0000	OK	3.025	54_OUT	0.5	0.013	0.000	2.7251	
									Infiltration		0.2				
4320 minute summer	54_OUT	2280	6.806	0.301	0.6	0.0361	0.0000	OK	Infiltration		0.3				
4320 minute summer	55	2220	8.463	0.017	0.2	0.0058	0.0000	OK	5.000	56	0.2	0.184	0.027	0.0182	
4320 minute summer	56	2220	8.433	0.017	0.4	0.0280	0.0000	OK	5.001	57	0.3	0.228	0.027	0.0312	

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								Infiltration		0.1				
4320 minute summer	57	2220	8.335	0.025	0.5	0.0250	0.0000OK	S 002	58	0.5	0.238	0.059	0.0628	
								Infiltration		0.1				
4320 minute summer	58	2160	8.272	0.027	0.7	0.0590	0.0000OK	S 003	59	0.5	0.251	0.071	0.0703	
								Infiltration		0.2				
4320 minute summer	59	2220	8.248	0.043	0.7	0.1550	0.0000OK	S 004	60	0.5	0.041	0.001	1.0211	
								Infiltration		0.2				
4320 minute summer	60	2220	8.248	0.063	0.7	0.0214	0.0000OK	S 005	61	0.3	0.026	0.000	2.3611	
								Infiltration		0.3				
4320 minute summer	61	2220	8.248	0.112	0.5	0.0380	0.0000OK	S 006	62	0.0	0.000	0.000	0.0000	
								Infiltration		0.4				
4320 minute summer	62	2220	8.142	0.606	0.2	0.0018	0.0000OK	S 007	63	0.2	0.040	0.000	1.7983	
4320 minute summer	63	2280	7.926	0.090	0.4	0.0306	0.0000OK	S 008	63_OUT	0.1	0.014	0.000	1.9711	
								Infiltration		0.3				
4320 minute summer	63_OUT	2280	7.926	0.161	0.3	0.0548	0.0000OK	Infiltration		0.2				
4320 minute summer	64	2400	6.291	0.106	0.1	0.0159	0.0000OK	S 000	65	0.1	0.024	0.000	0.9100	
4320 minute summer	65	2400	6.291	0.166	0.2	0.0265	0.0000OK	S 001	66	0.1	0.005	0.000	1.4848	
								Infiltration		0.1				
4320 minute summer	66	2400	6.291	0.198	0.2	0.0312	0.0000OK	S 002	67	0.0	0.001	0.000	0.9249	
								Infiltration		0.1				
4320 minute summer	67	2400	6.291	0.215	0.1	0.0333	0.0000OK	S 003	68	0.0	0.000	0.000	0.0000	
								Infiltration		0.1				
4320 minute summer	68	2040	6.079	0.003	0.1	0.0004	0.0000OK	S 004	69	0.1	0.009	0.000	1.9779	
4320 minute summer	69	2400	5.963	0.198	0.2	0.0317	0.0000OK	S 005	70	0.0	0.000	0.000	0.0000	
								Infiltration		0.2				
4320 minute summer	70	2400	5.775	0.620	0.1	0.0033	0.0000OK	S 006	71	0.1	0.014	0.000	0.2840	
4320 minute summer	71	2400	5.775	0.090	0.2	0.0145	0.0000OK	S 007	72	0.1	0.006	0.000	1.3120	
								Infiltration		0.1				
4320 minute summer	72	2400	5.775	0.090	0.2	0.0145	0.0000OK	S 008	73	0.0	0.000	0.000	0.0000	
								Infiltration		0.2				
4320 minute summer	73	2400	5.938	0.234	0.1	0.0375	0.0000OK	S 009	74	0.1	0.013	0.000	1.0301	
4320 minute summer	74	2400	5.938	0.234	0.2	0.0375	0.0000OK	S 010	75	0.1	0.018	0.000	1.1865	
								Infiltration		0.1				
4320 minute summer	75	2400	5.939	0.234	0.2	0.0375	0.0000OK	S 011	76	0.1	0.006	0.000	1.3487	
								Infiltration		0.1				
4320 minute summer	76	2400	5.939	0.304	0.2	0.0483	0.0000OK	S 012	76_OUT	0.1	0.001	0.000	1.4851	
								Infiltration		0.1				
4320 minute summer	76_OUT	2400	5.939	0.304	0.2	0.0487	0.0000OK	Infiltration		0.1				

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Results for 30 year 4320 minute winter. 4560 minute analysis at 60 minute timestep. Mass balance: 97.89%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	1	2160	9.545	0.245	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.002	-0.003	0.4653	
4320 minute winter	2	2160	9.545	0.295	0.1	0.0000	0.0000	FLOOD RISK	1.001	3	-0.1	-0.004	-0.007	1.1264	
4320 minute winter	3	2220	9.545	0.395	0.2	0.0000	0.0000	FLOOD RISK	1.002	4	-0.2	-0.037	-0.010	0.4986	
4320 minute winter	4	2220	9.545	0.445	0.5	0.0000	0.0000	FLOOD RISK	1.003	5	-0.5	-0.034	-0.024	0.8441	
4320 minute winter	5	2220	9.545	0.545	1.0	0.0000	0.0000	FLOOD RISK	1.004	6	-1.0	-0.032	-0.028	0.1621	
4320 minute winter	6	2160	9.545	0.645	2.7	5.3150	0.0000	FLOOD RISK	1.005	7	2.7	0.377	0.056	0.7796	
4320 minute winter	7	2180	9.544	0.794	4.2	3.2382	0.0000	FLOOD RISK	1.006	8	4.2	0.365	0.060	2.4823	
4320 minute winter	8	2220	9.544	0.994	7.3	6.6238	0.0000	FLOOD RISK	1.007	9	7.3	0.354	0.067	5.9230	
4320 minute winter	9	2220	9.544	1.194	12.3	11.6068	0.0000	FLOOD RISK	1.008	10	12.3	0.321	0.052	3.1360	
4320 minute winter	10	2220	9.544	1.244	13.3	2.2047	0.0000	FLOOD RISK	1.009	11	13.3	0.305	0.090	47.8613	
4320 minute winter	11	2220	9.541	1.541	13.3	0.0000	0.0000	FLOOD RISK	1.010	12	13.3	0.239	0.048	53.3278	
4320 minute winter	12	540	7.750	1.000	13.3	0.0000	0.0000	FLOOD RISK	1.011	13	13.3	0.112	0.068	0.2493	
4320 minute winter	13	2220	9.536	0.036	13.3	0.0000	0.0000	OK	1.012	13_OUT	13.3	2.112	0.011	0.0377	
4320 minute winter	13_OUT	4260	7.871	0.337	13.3	0.0000	0.0000	OK	Flow through pond	49	60.9	0.005	0.000	3118.7742	
4320 minute winter	14	2160	9.541	0.241	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.008	-0.008	0.8136	
4320 minute winter	15	2220	9.541	0.455	2.0	3.8045	0.0000	FLOOD RISK	2.001	16	2.0	0.302	0.041	0.9254	
4320 minute winter	16	2220	9.541	0.550	2.0	0.0000	0.0000	FLOOD RISK	2.002	17	2.0	0.322	0.041	0.6320	
4320 minute winter	17	2180	9.540	0.681	3.0	2.1145	0.0000	FLOOD RISK	2.003	18	3.0	0.325	0.038	1.8750	
4320 minute winter	18	2180	9.540	0.859	5.5	5.4058	0.0000	FLOOD RISK	2.004	19	5.5	0.346	0.044	5.4890	
4320 minute winter	19	2220	9.540	1.084	9.8	9.7750	0.0000	FLOOD RISK	2.005	20	9.8	0.327	0.050	4.0628	
4320 minute winter	20	2160	9.540	1.129	9.8	0.0000	0.0000	FLOOD RISK	2.006	21	9.8	0.452	0.050	3.4979	
4320 minute winter	21	2160	9.540	1.188	9.8	0.0000	0.0000	FLOOD RISK	2.007	22	9.8	0.471	0.016	3.7464	
4320 minute winter	22	2180	9.540	1.540	12.8	6.5887	0.0000	FLOOD RISK	2.008	23	12.8	0.143	0.044	53.3017	
4320 minute winter	23	540	7.750	1.000	12.8	0.0000	0.0000	FLOOD RISK	2.009	24	12.8	0.106	0.064	0.2482	
4320 minute winter	24	2220	9.535	0.035	12.8	0.0000	0.0000	OK	2.010	24_OUT	12.8	2.078	0.010	0.0363	
4320 minute winter	24_OUT	4260	7.871	0.337	12.8	0.0000	0.0000	OK	Flow through pond	49	60.9	0.005	0.000	3118.7742	
4320 minute winter	25	1800	8.807	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.282	0.011	0.0253	
4320 minute winter	26	1800	8.448	0.014	0.4	0.0183	0.0000	OK	3.001	27	0.3	0.351	0.018	0.0327	
									Infiltration		0.1				
4320 minute winter	27	1800	8.129	0.014	0.5	0.0200	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0273	
									Infiltration		0.1				
4320 minute winter	28	1800	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.503	0.019	0.0328	
									Infiltration		0.1				
4320 minute winter	29	1800	7.080	0.015	0.7	0.0162	0.0000	OK	3.004	30	0.6	0.629	0.021	0.0064	
									Infiltration		0.1				
4320 minute winter	30	1800	6.835	0.010	0.5	0.0012	0.0000	OK	3.005	31	0.5	0.113	0.000	0.1012	
4320 minute winter	31	1800	6.706	0.011	0.6	0.0013	0.0000	OK	3.006	32	0.5	0.052	0.000	0.1504	
									Infiltration		0.1				

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4320 minute winter	32	1920	6.875	0.030	0.5	0.0037	0.0000	OK	3.007	33	0.0	0.000	0.000	0.1126
									Infiltration		0.1			
									Infiltration		0.4			
4320 minute winter	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002
4320 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	35	60	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
4320 minute winter	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003
4320 minute winter	38	60	6.265	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
									Infiltration		0.0			
4320 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	40	60	6.895	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	43	60	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002
4320 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	46	60	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	47	60	6.965	0.000	0.0	0.0000	0.0000	OK	3.022	48	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	48	60	6.795	0.000	0.0	0.0000	0.0000	OK	3.023	53	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	49	4560	7.864	-0.136	54.7	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
4320 minute winter	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
4320 minute winter	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
4320 minute winter	52	60	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
4320 minute winter	53	60	6.785	0.000	0.0	0.0000	0.0000	OK	3.024	54	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	54	60	6.525	0.000	0.0	0.0000	0.0000	OK	3.025	54_OUT	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
4320 minute winter	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

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4320 minute winter	55	1500	8.459	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111
4320 minute winter	56	1500	8.428	0.012	0.2	0.0149	0.0000	OK	5.001	57	0.2	0.182	0.012	0.0180
									Infiltration		0.0			
4320 minute winter	57	1500	8.327	0.017	0.3	0.0130	0.0000	OK	5.002	58	0.2	0.177	0.027	0.0378
									Infiltration		0.0			
4320 minute winter	58	1620	8.265	0.020	0.3	0.0326	0.0000	OK	5.003	59	0.2	0.299	0.028	0.0224
									Infiltration		0.1			
4320 minute winter	59	1500	8.217	0.012	0.3	0.0157	0.0000	OK	5.004	60	0.2	0.041	0.000	0.0361
									Infiltration		0.1			
4320 minute winter	60	2940	8.210	0.025	0.3	0.0087	0.0000	OK	5.005	61	0.3	0.026	0.000	1.2742
									Infiltration		0.1			
4320 minute winter	61	2940	8.210	0.074	0.4	0.0253	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
4320 minute winter	62	1580	8.140	0.004	0.1	0.0013	0.0000	OK	5.007	63	0.1	0.040	0.000	1.1167
4320 minute winter	63	2940	7.894	0.058	0.2	0.0197	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	1.4017
									Infiltration		0.1			
4320 minute winter	63_OUT	2940	7.894	0.128	0.2	0.0439	0.0000	OK	Infiltration		0.2			
4320 minute winter	64	2400	6.291	0.156	0.1	0.0169	0.0000	OK	6.000	65	0.1	0.024	0.000	0.9100
4320 minute winter	65	2400	6.291	0.166	0.2	0.0265	0.0000	OK	6.001	66	0.1	0.005	0.000	1.4948
									Infiltration		0.1			
4320 minute winter	66	2400	6.291	0.198	0.2	0.0312	0.0000	OK	6.002	67	0.0	0.001	0.000	0.9249
									Infiltration		0.1			
4320 minute winter	67	2400	6.291	0.215	0.1	0.0333	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
4320 minute winter	68	2040	6.079	0.003	0.1	0.0004	0.0000	OK	6.004	69	0.1	0.009	0.000	1.9779
4320 minute winter	69	2400	5.963	0.198	0.2	0.0317	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
4320 minute winter	70	2400	5.775	0.020	0.1	0.0033	0.0000	OK	6.006	71	0.1	0.014	0.000	0.2940
4320 minute winter	71	2400	5.775	0.090	0.2	0.0145	0.0000	OK	6.007	72	0.1	0.006	0.000	1.3120
									Infiltration		0.1			
4320 minute winter	72	2400	5.775	0.090	0.2	0.0145	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
4320 minute winter	73	2400	5.939	0.234	0.1	0.0375	0.0000	OK	6.009	74	0.1	0.013	0.000	1.0301
4320 minute winter	74	2400	5.939	0.234	0.2	0.0375	0.0000	OK	6.010	75	0.1	0.019	0.000	1.1865
									Infiltration		0.1			
4320 minute winter	75	2400	5.939	0.234	0.2	0.0375	0.0000	OK	6.011	76	0.1	0.006	0.000	1.3497
									Infiltration		0.1			
4320 minute winter	76	2400	5.939	0.304	0.2	0.0483	0.0000	OK	6.012	76_OUT	0.1	0.001	0.000	1.4851
									Infiltration		0.1			
4320 minute winter	76_OUT	2400	5.939	0.304	0.2	0.0487	0.0000	OK	Infiltration		0.1			

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Results for 30 year 5760 minute summer, 5760 minute analysis at 60 minute timestep. Mass balance: 97.54%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	1	2880	9.549	0.249	0.2	0.0000	0.0000	FLOOD RISK	1.000	2	-0.2	-0.006	-0.007	0.4853	
5760 minute summer	2	2880	9.548	0.299	0.3	0.0000	0.0000	FLOOD RISK	1.001	3	-0.3	-0.011	-0.017	1.1264	
5760 minute summer	3	2940	9.549	0.399	0.4	0.0000	0.0000	FLOOD RISK	1.002	4	-0.4	-0.020	-0.020	0.4986	
5760 minute summer	4	2940	9.549	0.449	0.6	0.0000	0.0000	FLOOD RISK	1.003	5	-0.6	-0.021	-0.026	0.8441	
5760 minute summer	5	2880	9.548	0.549	0.7	0.0000	0.0000	FLOOD RISK	1.004	6	-0.7	-0.035	-0.019	0.1621	
5760 minute summer	6	2940	9.549	0.648	3.0	5.3504	0.0000	FLOOD RISK	1.005	7	3.0	0.340	0.082	0.7796	
5760 minute summer	7	2940	9.549	0.798	4.7	3.2553	0.0000	FLOOD RISK	1.006	8	4.7	0.324	0.057	2.4923	
5760 minute summer	8	2880	9.548	0.998	8.2	6.8517	0.0000	FLOOD RISK	1.007	9	8.2	0.318	0.076	5.9230	
5760 minute summer	9	2880	9.548	1.198	13.9	11.6462	0.0000	FLOOD RISK	1.008	10	13.9	0.298	0.059	3.1360	
5760 minute summer	10	2880	9.548	1.248	15.0	2.2118	0.0000	FLOOD RISK	1.009	11	15.0	0.261	0.102	47.8613	
5760 minute summer	11	2880	9.544	1.544	15.0	0.0000	0.0000	FLOOD RISK	1.010	12	15.0	0.158	0.052	53.3278	
5760 minute summer	12	660	7.750	1.000	15.0	0.0000	0.0000	FLOOD RISK	1.011	13	15.0	0.125	0.076	0.2499	
5760 minute summer	13	2940	9.538	0.038	15.0	0.0000	0.0000	OK	1.012	13_OUT	15.0	2.192	0.012	0.0410	
5760 minute summer	13_OUT	5760	7.863	0.329	15.0	0.0000	0.0000	OK	Flow through pond	49	33.7	0.003	0.000	3042.7539	
5760 minute summer	14	2880	9.545	0.245	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.016	-0.008	0.8136	
5760 minute summer	15	2880	9.545	0.459	2.3	3.6383	0.0000	FLOOD RISK	2.001	16	2.3	0.277	0.047	0.9254	
5760 minute summer	16	2880	9.545	0.554	2.3	0.0000	0.0000	FLOOD RISK	2.002	17	2.3	0.294	0.047	0.6320	
5760 minute summer	17	2880	9.544	0.685	3.5	2.1256	0.0000	FLOOD RISK	2.003	18	3.5	0.283	0.045	1.8750	
5760 minute summer	18	2880	9.544	0.883	5.4	5.4301	0.0000	FLOOD RISK	2.004	19	5.4	0.295	0.051	5.4890	
5760 minute summer	19	2880	9.544	1.088	11.3	9.5100	0.0000	FLOOD RISK	2.005	20	11.3	0.288	0.057	4.0628	
5760 minute summer	20	2880	9.544	1.133	11.3	0.0000	0.0000	FLOOD RISK	2.006	21	11.3	0.401	0.057	3.4979	
5760 minute summer	21	2880	9.544	1.172	11.3	0.0000	0.0000	FLOOD RISK	2.007	22	11.3	0.416	0.019	3.7404	
5760 minute summer	22	2880	9.543	1.543	14.5	6.7046	0.0000	FLOOD RISK	2.008	23	14.5	0.103	0.050	53.3017	
5760 minute summer	23	720	7.750	1.000	14.5	0.0000	0.0000	FLOOD RISK	2.009	24	14.5	0.121	0.074	0.2499	
5760 minute summer	24	2940	9.538	0.038	14.5	0.0000	0.0000	OK	2.010	24_OUT	14.5	2.170	0.012	0.0400	
5760 minute summer	24_OUT	5760	7.863	0.329	14.5	0.0000	0.0000	OK	Flow through pond	49	33.7	0.003	0.000	3042.7539	
5760 minute summer	25	2940	8.818	0.014	0.3	0.0087	0.0000	OK	3.000	26	0.3	0.311	0.017	0.0343	
5760 minute summer	26	2940	8.453	0.018	0.6	0.0055	0.0000	OK	3.001	27	0.5	0.389	0.029	0.0460	
									Infiltration		0.1				
5760 minute summer	27	2940	8.133	0.018	0.8	0.0293	0.0000	OK	3.002	28	0.6	0.487	0.029	0.0391	
									Infiltration		0.2				
5760 minute summer	28	2940	7.714	0.018	0.9	0.0244	0.0000	OK	3.003	29	0.8	0.587	0.032	0.0468	
									Infiltration		0.1				
5760 minute summer	29	2940	7.065	0.020	1.1	0.0230	0.0000	OK	3.004	30	1.0	0.728	0.035	0.0091	
									Infiltration		0.1				
5760 minute summer	30	2940	6.838	0.013	1.0	0.0016	0.0000	OK	3.005	31	1.0	0.137	0.000	0.1395	
5760 minute summer	31	2940	6.710	0.015	1.0	0.0018	0.0000	OK	3.006	32	0.9	0.052	0.000	0.2577	
									Infiltration		0.1				
5760 minute summer	32	2940	6.698	0.053	0.9	0.0064	0.0000	OK	3.007	33	0.0	0.000	0.000	0.2051	

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									Infiltration		0.3				
									Infiltration		0.6				
5760 minute summer	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002	
5760 minute summer	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002	
									Infiltration		0.3				
5760 minute summer	35	60	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.0				
5760 minute summer	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003	
5760 minute summer	38	60	6.255	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
									Infiltration		0.0				
5760 minute summer	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	40	60	6.695	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	43	60	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002	
5760 minute summer	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	46	60	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	47	60	6.965	0.000	0.0	0.0000	0.0000	OK	3.022	48	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	48	60	6.795	0.000	0.0	0.0000	0.0000	OK	3.023	50	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	49	6000	7.856	-0.144	40.8	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
5760 minute summer	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
5760 minute summer	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
5760 minute summer	52	60	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
5760 minute summer	53	60	6.785	0.000	0.0	0.0000	0.0000	OK	3.024	54	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	54	60	6.625	0.000	0.0	0.0000	0.0000	OK	3.025	54_OUT	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
5760 minute summer	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0				
5760 minute summer	55	2340	8.458	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111	
5760 minute summer	56	2340	8.428	0.012	0.2	0.0148	0.0000	OK	5.001	57	0.2	0.162	0.012	0.0180	

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								Infiltration		0.0					
5760 minute summer	57	2340	8.327	0.017	0.3	0.0136	0.0000 OK	S 002	58	0.2	0.177	0.027	0.0378		
								Infiltration		0.0					
5760 minute summer	58	2460	8.285	0.020	0.3	0.0326	0.0000 OK	S.003	59	0.2	0.209	0.028	0.0224		
								Infiltration		0.1					
5760 minute summer	59	2340	8.217	0.012	0.3	0.0157	0.0000 OK	S 004	60	0.2	0.041	0.000	0.3361		
								Infiltration		0.1					
5760 minute summer	60	3540	8.210	0.025	0.3	0.0087	0.0000 OK	S.005	61	0.3	0.026	0.000	1.2742		
								Infiltration		0.1					
5760 minute summer	61	3540	8.210	0.074	0.4	0.0253	0.0000 OK	S.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
5760 minute summer	62	2400	8.140	0.004	0.1	0.0013	0.0000 OK	S.007	63	0.1	0.040	0.000	1.1147		
5760 minute summer	63	3540	7.894	0.058	0.2	0.0197	0.0000 OK	S 008	63_OUT	0.1	0.014	0.000	1.4000		
								Infiltration		0.1					
5760 minute summer	63_OUT	3540	7.894	0.129	0.2	0.0438	0.0000 OK	Infiltration		0.2					
5760 minute summer	64	3060	6.266	0.081	0.1	0.0130	0.0000 OK	S 000	65	0.1	0.024	0.000	0.7181		
5760 minute summer	65	3060	6.266	0.141	0.2	0.0226	0.0000 OK	S 001	66	0.1	0.005	0.000	1.2461		
								Infiltration		0.1					
5760 minute summer	66	3060	6.266	0.173	0.2	0.0274	0.0000 OK	S.002	67	0.0	0.002	0.000	0.7862		
								Infiltration		0.1					
5760 minute summer	67	3060	6.256	0.190	0.1	0.0295	0.0000 OK	S.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
5760 minute summer	68	2820	6.079	0.003	0.1	0.0004	0.0000 OK	S 004	69	0.1	0.009	0.000	1.7902		
5760 minute summer	69	3060	5.949	0.184	0.2	0.0294	0.0000 OK	S 005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
5760 minute summer	70	3060	5.767	0.012	0.1	0.0020	0.0000 OK	S.006	71	0.1	0.014	0.000	0.2500		
5760 minute summer	71	3060	5.767	0.082	0.2	0.0132	0.0000 OK	S 007	72	0.1	0.006	0.000	1.1808		
								Infiltration		0.1					
5760 minute summer	72	3060	5.767	0.082	0.2	0.0132	0.0000 OK	S.008	73	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
5760 minute summer	73	3060	5.900	0.195	0.1	0.0311	0.0000 OK	S 009	74	0.1	0.013	0.000	0.8088		
5760 minute summer	74	3060	5.900	0.195	0.2	0.0311	0.0000 OK	S.010	75	0.1	0.018	0.000	0.9158		
								Infiltration		0.1					
5760 minute summer	75	3060	5.900	0.195	0.2	0.0311	0.0000 OK	S.011	76	0.1	0.006	0.000	1.0920		
								Infiltration		0.1					
5760 minute summer	76	3060	5.900	0.285	0.2	0.0402	0.0000 OK	S.012	76_OUT	0.1	0.001	0.000	1.2269		
								Infiltration		0.1					
5760 minute summer	76_OUT	3060	5.900	0.285	0.2	0.0423	0.0000 OK	Infiltration		0.1					

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Results for 30 year 5760 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 87.78%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	1	2940	9.539	0.239	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.005	-0.007	0.4653	
5760 minute winter	2	2880	9.539	0.239	0.2	0.0000	0.0000	FLOOD RISK	1.001	3	-0.2	-0.008	-0.013	1.1264	
5760 minute winter	3	2880	9.540	0.390	0.4	0.0000	0.0000	FLOOD RISK	1.002	4	-0.4	-0.036	-0.019	0.4985	
5760 minute winter	4	2880	9.540	0.440	0.7	0.0000	0.0000	FLOOD RISK	1.003	5	-0.7	-0.029	-0.033	0.8441	
5760 minute winter	5	2880	9.539	0.539	0.9	0.0000	0.0000	FLOOD RISK	1.004	6	-0.9	-0.029	-0.024	0.1621	
5760 minute winter	6	2940	9.539	0.639	2.2	5.2684	0.0000	FLOOD RISK	1.005	7	2.2	0.354	0.048	0.7796	
5760 minute winter	7	2940	9.539	0.789	3.5	3.2186	0.0000	FLOOD RISK	1.006	8	3.5	0.337	0.050	2.4823	
5760 minute winter	8	2880	9.539	0.989	6.0	6.7670	0.0000	FLOOD RISK	1.007	9	6.0	0.326	0.056	5.9230	
5760 minute winter	9	2940	9.538	1.188	10.2	11.5585	0.0000	FLOOD RISK	1.008	10	10.2	0.308	0.043	3.1360	
5760 minute winter	10	2940	9.538	1.238	11.0	2.1956	0.0000	FLOOD RISK	1.009	11	11.0	0.277	0.074	47.8613	
5760 minute winter	11	2940	9.537	1.537	11.0	0.0000	0.0000	FLOOD RISK	1.010	12	11.0	0.189	0.038	53.3278	
5760 minute winter	12	660	7.750	1.000	11.0	0.0000	0.0000	FLOOD RISK	1.011	13	11.0	0.093	0.055	0.2483	
5760 minute winter	13	2940	9.533	0.033	11.0	0.0000	0.0000	OK	1.012	13_OUT	11.0	1.993	0.009	0.0330	
5760 minute winter	13_OUT	5640	7.907	0.374	11.0	0.0000	0.0000	OK	Flow through pond	49	29.3	0.003	0.000	3444.7976	
5760 minute winter	14	2880	9.537	0.237	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.005	-0.005	0.8136	
5760 minute winter	15	2940	9.537	0.451	1.7	3.5721	0.0000	FLOOD RISK	2.001	16	1.7	0.275	0.035	0.9254	
5760 minute winter	16	2940	9.536	0.545	1.7	0.0000	0.0000	FLOOD RISK	2.002	17	1.7	0.294	0.035	0.6320	
5760 minute winter	17	2880	9.536	0.677	2.8	2.1020	0.0000	FLOOD RISK	2.003	18	2.8	0.305	0.033	1.8750	
5760 minute winter	18	2880	9.536	0.855	4.7	5.3808	0.0000	FLOOD RISK	2.004	19	4.7	0.322	0.037	5.4890	
5760 minute winter	19	2940	9.538	1.080	8.3	9.7406	0.0000	FLOOD RISK	2.005	20	8.3	0.302	0.042	4.0628	
5760 minute winter	20	2940	9.538	1.125	8.3	0.0000	0.0000	FLOOD RISK	2.006	21	8.3	0.418	0.042	3.4979	
5760 minute winter	21	2880	9.536	1.184	8.3	0.0000	0.0000	FLOOD RISK	2.007	22	8.3	0.452	0.014	3.7404	
5760 minute winter	22	2880	9.535	1.535	10.8	6.5720	0.0000	FLOOD RISK	2.008	23	10.8	0.195	0.037	53.3017	
5760 minute winter	23	660	7.750	1.000	10.8	0.0000	0.0000	FLOOD RISK	2.009	24	10.8	0.090	0.054	0.2483	
5760 minute winter	24	2940	9.533	0.033	10.8	0.0000	0.0000	OK	2.010	24_OUT	10.8	1.972	0.009	0.0322	
5760 minute winter	24_OUT	5640	7.907	0.373	10.8	0.0000	0.0000	OK	Flow through pond	49	29.3	0.003	0.000	3444.7976	
5760 minute winter	25	2520	8.807	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.282	0.011	0.0253	
5760 minute winter	26	2520	8.449	0.014	0.4	0.0183	0.0000	OK	3.001	27	0.3	0.351	0.018	0.0327	
									Infiltration		0.1				
5760 minute winter	27	2520	8.129	0.014	0.5	0.0200	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0273	
									Infiltration		0.1				
5760 minute winter	28	2520	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.503	0.019	0.0328	
									Infiltration		0.1				
5760 minute winter	29	2520	7.080	0.015	0.7	0.0162	0.0000	OK	3.004	30	0.6	0.629	0.021	0.0064	
									Infiltration		0.1				
5760 minute winter	30	2520	6.835	0.010	0.5	0.0012	0.0000	OK	3.005	31	0.5	0.113	0.000	0.1012	
5760 minute winter	31	2520	6.706	0.011	0.6	0.0013	0.0000	OK	3.006	32	0.5	0.052	0.000	0.1504	
									Infiltration		0.1				

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5760 minute winter	32	2640	6.875	0.030	0.5	0.0037	0.0000	OK	3.007	33	0.0	0.000	0.000	0.1126
									Infiltration		0.1			
									Infiltration		0.4			
5760 minute winter	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002
5760 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	35	80	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
5760 minute winter	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003
5760 minute winter	38	80	6.265	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
									Infiltration		0.0			
5760 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	40	80	6.895	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	43	80	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002
5760 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	46	80	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	47	60	6.965	0.000	0.0	0.0000	0.0000	OK	3.022	48	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	48	60	6.795	0.000	0.0	0.0000	0.0000	OK	3.023	53	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	49	5820	7.900	-0.150	34.8	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
5760 minute winter	50	50	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
5760 minute winter	51	50	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
5760 minute winter	52	80	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
5760 minute winter	53	80	6.785	0.000	0.0	0.0000	0.0000	OK	3.024	54	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	54	50	6.525	0.000	0.0	0.0000	0.0000	OK	3.025	54_OUT	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

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5760 minute winter	55	2100	8.459	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111
5760 minute winter	56	2100	8.428	0.012	0.2	0.0149	0.0000	OK	5.001	57	0.2	0.182	0.012	0.0180
									Infiltration		0.0			
5760 minute winter	57	2100	8.327	0.017	0.3	0.0130	0.0000	OK	5.002	58	0.2	0.177	0.027	0.0378
									Infiltration		0.0			
5760 minute winter	58	2220	8.265	0.020	0.3	0.0326	0.0000	OK	5.003	59	0.2	0.299	0.028	0.0224
									Infiltration		0.1			
5760 minute winter	59	2100	8.217	0.012	0.3	0.0157	0.0000	OK	5.004	60	0.2	0.041	0.000	0.0361
									Infiltration		0.1			
5760 minute winter	60	3750	8.210	0.025	0.3	0.0087	0.0000	OK	5.005	61	0.3	0.026	0.000	1.2742
									Infiltration		0.1			
5760 minute winter	61	3800	8.210	0.074	0.4	0.0253	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
5760 minute winter	62	2160	8.140	0.004	0.1	0.0013	0.0000	OK	5.007	63	0.1	0.040	0.000	1.1173
5760 minute winter	63	3750	7.894	0.058	0.2	0.0197	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	1.4022
									Infiltration		0.1			
5760 minute winter	63_OUT	3780	7.894	0.128	0.2	0.0439	0.0000	OK	Infiltration		0.2			
5760 minute winter	64	60	6.185	0.000	0.0	0.0000	0.0000	OK	6.000	65	0.0	0.000	0.000	0.0002
5760 minute winter	65	60	6.125	0.000	0.0	0.0000	0.0000	OK	6.001	66	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	66	60	6.093	0.000	0.0	0.0000	0.0000	OK	6.002	67	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
5760 minute winter	67	60	6.076	0.000	0.0	0.0000	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
5760 minute winter	68	60	6.078	0.000	0.0	0.0000	0.0000	OK	6.004	69	0.0	0.000	0.000	0.0004
5760 minute winter	69	60	5.765	0.000	0.0	0.0000	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
5760 minute winter	70	60	5.755	0.000	0.0	0.0000	0.0000	OK	6.006	71	0.0	0.000	0.000	0.0001
5760 minute winter	71	60	5.685	0.000	0.0	0.0000	0.0000	OK	6.007	72	0.0	0.000	0.000	0.0004
									Infiltration		0.0			
5760 minute winter	72	60	5.685	0.000	0.0	0.0000	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
5760 minute winter	73	60	5.705	0.000	0.0	0.0000	0.0000	OK	6.009	74	0.0	0.000	0.000	0.0001
5760 minute winter	74	60	5.705	0.000	0.0	0.0000	0.0000	OK	6.010	75	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
5760 minute winter	75	60	5.705	0.000	0.0	0.0000	0.0000	OK	6.011	76	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
5760 minute winter	76	60	5.635	0.000	0.0	0.0000	0.0000	OK	6.012	76_OUT	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
5760 minute winter	76_OUT	60	5.635	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

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Results for 30 year 7200 minute summer, 7440 minute analysis at 60 minute timestep. Mass balance: 97.71%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	1	3600	9.544	0.244	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.005	-0.006	0.4853	
7200 minute summer	2	3660	9.544	0.294	0.3	0.0000	0.0000	FLOOD RISK	1.001	3	-0.3	-0.025	-0.015	1.1264	
7200 minute summer	3	3660	9.544	0.394	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.022	-0.023	0.4986	
7200 minute summer	4	3660	9.544	0.444	0.7	0.0000	0.0000	FLOOD RISK	1.003	5	-0.7	-0.022	-0.030	0.8441	
7200 minute summer	5	3600	9.544	0.544	0.8	0.0000	0.0000	FLOOD RISK	1.004	6	-0.8	-0.024	-0.020	0.1621	
7200 minute summer	6	3600	9.544	0.644	2.6	5.3096	0.0000	FLOOD RISK	1.005	7	2.6	0.319	0.054	0.7796	
7200 minute summer	7	3600	9.544	0.794	4.1	3.2355	0.0000	FLOOD RISK	1.006	8	4.1	0.305	0.059	2.4923	
7200 minute summer	8	3660	9.543	0.993	7.1	6.8158	0.0000	FLOOD RISK	1.007	9	7.1	0.295	0.066	5.9230	
7200 minute summer	9	3600	9.542	1.193	12.1	11.6000	0.0000	FLOOD RISK	1.008	10	12.1	0.280	0.051	3.1360	
7200 minute summer	10	3600	9.543	1.243	13.0	2.2035	0.0000	FLOOD RISK	1.009	11	13.0	0.253	0.088	47.8613	
7200 minute summer	11	3660	9.540	1.540	13.0	0.0000	0.0000	FLOOD RISK	1.010	12	13.0	0.187	0.045	53.3278	
7200 minute summer	12	780	7.750	1.000	13.0	0.0000	0.0000	FLOOD RISK	1.011	13	13.0	0.108	0.066	0.2491	
7200 minute summer	13	3660	9.536	0.036	13.0	0.0000	0.0000	OK	1.012	13_OUT	13.0	2.097	0.011	0.0371	
7200 minute summer	13_OUT	7200	7.894	0.361	13.0	0.0000	0.0000	OK	Flow through pond	49	16.6	0.002	0.000	3323.8586	
7200 minute summer	14	3600	9.541	0.241	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.005	-0.004	0.8136	
7200 minute summer	15	3600	9.541	0.455	2.0	3.6046	0.0000	FLOOD RISK	2.001	16	2.0	0.276	0.041	0.9254	
7200 minute summer	16	3600	9.541	0.550	2.0	0.0000	0.0000	FLOOD RISK	2.002	17	2.0	0.256	0.041	0.6320	
7200 minute summer	17	3600	9.540	0.681	3.0	2.1145	0.0000	FLOOD RISK	2.003	18	3.0	0.271	0.038	1.8750	
7200 minute summer	18	3600	9.540	0.859	5.5	5.4059	0.0000	FLOOD RISK	2.004	19	5.5	0.285	0.044	5.4890	
7200 minute summer	19	3600	9.540	1.084	9.8	9.7780	0.0000	FLOOD RISK	2.005	20	9.8	0.272	0.050	4.0628	
7200 minute summer	20	3600	9.540	1.129	9.8	0.0000	0.0000	FLOOD RISK	2.006	21	9.8	0.383	0.050	3.4979	
7200 minute summer	21	3600	9.540	1.158	9.8	0.0000	0.0000	FLOOD RISK	2.007	22	9.8	0.395	0.016	3.7404	
7200 minute summer	22	3600	9.540	1.540	12.6	6.6887	0.0000	FLOOD RISK	2.008	23	12.6	0.105	0.044	53.3017	
7200 minute summer	23	780	7.750	1.000	12.6	0.0000	0.0000	FLOOD RISK	2.009	24	12.6	0.106	0.064	0.2492	
7200 minute summer	24	3660	9.535	0.035	12.6	0.0000	0.0000	OK	2.010	24_OUT	12.6	2.078	0.010	0.0363	
7200 minute summer	24_OUT	7200	7.894	0.361	12.6	0.0000	0.0000	OK	Flow through pond	49	16.6	0.002	0.000	3323.8586	
7200 minute summer	25	3360	8.807	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.282	0.011	0.0253	
7200 minute summer	26	3360	8.449	0.014	0.4	0.0183	0.0000	OK	3.001	27	0.3	0.351	0.018	0.0327	
									Infiltration		0.1				
7200 minute summer	27	3360	8.129	0.014	0.5	0.0200	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0273	
									Infiltration		0.1				
7200 minute summer	28	3360	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.503	0.018	0.0328	
									Infiltration		0.1				
7200 minute summer	29	3360	7.060	0.015	0.7	0.0182	0.0000	OK	3.004	30	0.6	0.626	0.021	0.0064	
									Infiltration		0.1				
7200 minute summer	30	3360	6.835	0.010	0.6	0.0012	0.0000	OK	3.005	31	0.5	0.113	0.000	0.1012	
7200 minute summer	31	3360	6.706	0.011	0.6	0.0013	0.0000	OK	3.006	32	0.5	0.052	0.000	0.1504	
									Infiltration		0.1				
7200 minute summer	32	3480	6.675	0.030	0.5	0.0037	0.0000	OK	3.007	33	0.0	0.000	0.000	0.1128	

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									Infiltration		0.1				
									Infiltration		0.4				
7200 minute summer	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002	
7200 minute summer	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	35	60	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.0				
7200 minute summer	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003	
7200 minute summer	38	60	6.255	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
									Infiltration		0.0				
7200 minute summer	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	40	60	6.695	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	43	60	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002	
7200 minute summer	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	46	60	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	47	60	6.965	0.000	0.0	0.0000	0.0000	OK	3.022	48	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	48	60	6.795	0.000	0.0	0.0000	0.0000	OK	3.023	53	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	49	7320	7.887	-0.113	24.1	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
7200 minute summer	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
7200 minute summer	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
7200 minute summer	52	60	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
7200 minute summer	53	60	6.785	0.000	0.0	0.0000	0.0000	OK	3.024	54	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	54	60	6.625	0.000	0.0	0.0000	0.0000	OK	3.025	54_OUT	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute summer	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0				
7200 minute summer	55	3000	8.458	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111	
7200 minute summer	56	3000	8.428	0.012	0.3	0.0148	0.0000	OK	5.001	57	0.2	0.162	0.012	0.0180	

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								Infiltration		0.0					
7200 minute summer	57	3000	8.327	0.017	0.3	0.0136	0.0000 OK	S 002	58	0.2	0.177	0.027	0.0378		
								Infiltration		0.0					
7200 minute summer	58	3120	8.265	0.020	0.3	0.0326	0.0000 OK	S 003	59	0.2	0.209	0.028	0.0224		
								Infiltration		0.1					
7200 minute summer	59	3000	8.217	0.012	0.3	0.0157	0.0000 OK	S 004	60	0.2	0.041	0.000	0.3361		
								Infiltration		0.1					
7200 minute summer	60	4320	8.210	0.025	0.3	0.0087	0.0000 OK	S 005	61	0.3	0.026	0.000	1.2742		
								Infiltration		0.1					
7200 minute summer	61	4320	8.210	0.074	0.4	0.0253	0.0000 OK	S 006	62	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
7200 minute summer	62	3060	8.140	0.004	0.1	0.0013	0.0000 OK	S 007	63	0.1	0.040	0.000	1.1160		
7200 minute summer	63	4320	7.894	0.058	0.2	0.0197	0.0000 OK	S 008	63_OUT	0.1	0.014	0.000	1.4011		
								Infiltration		0.1					
7200 minute summer	63_OUT	4320	7.894	0.129	0.2	0.0439	0.0000 OK	Infiltration		0.2					
7200 minute summer	64	3720	6.233	0.048	0.1	0.0076	0.0000 OK	S 000	65	0.1	0.024	0.000	0.4770		
7200 minute summer	65	3720	6.233	0.108	0.2	0.0172	0.0000 OK	S 001	66	0.1	0.005	0.000	0.9308		
								Infiltration		0.1					
7200 minute summer	66	3720	6.233	0.140	0.2	0.0221	0.0000 OK	S 002	67	0.0	0.001	0.000	0.6095		
								Infiltration		0.1					
7200 minute summer	67	3720	6.233	0.157	0.1	0.0243	0.0000 OK	S 003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
7200 minute summer	68	3600	6.079	0.003	0.1	0.0004	0.0000 OK	S 004	69	0.1	0.009	0.000	1.4503		
7200 minute summer	69	3720	5.920	0.155	0.2	0.0248	0.0000 OK	S 005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
7200 minute summer	70	3600	5.758	0.003	0.1	0.0005	0.0000 OK	S 006	71	0.1	0.014	0.000	0.1938		
7200 minute summer	71	3720	5.756	0.071	0.2	0.0114	0.0000 OK	S 007	72	0.1	0.006	0.000	0.9971		
								Infiltration		0.1					
7200 minute summer	72	3720	5.756	0.071	0.2	0.0114	0.0000 OK	S 008	73	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
7200 minute summer	73	3720	5.847	0.142	0.1	0.0227	0.0000 OK	S 009	74	0.1	0.013	0.000	0.5442		
7200 minute summer	74	3720	5.847	0.142	0.2	0.0227	0.0000 OK	S 010	75	0.1	0.018	0.000	0.8162		
								Infiltration		0.1					
7200 minute summer	75	3720	5.847	0.142	0.2	0.0227	0.0000 OK	S 011	76	0.1	0.006	0.000	0.7820		
								Infiltration		0.1					
7200 minute summer	76	3720	5.847	0.212	0.2	0.0322	0.0000 OK	S 012	76_OUT	0.1	0.001	0.000	0.9139		
								Infiltration		0.1					
7200 minute summer	76_OUT	3720	5.847	0.212	0.2	0.0339	0.0000 OK	Infiltration		0.1					

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Results for 30 year 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 97.98%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	1	3540	9.536	0.236	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.009	-0.006	0.4653	
7200 minute winter	2	3540	9.536	0.236	0.5	0.0000	0.0000	FLOOD RISK	1.001	3	-0.5	-0.017	-0.024	1.1264	
7200 minute winter	3	3720	9.536	0.386	0.6	0.0000	0.0000	FLOOD RISK	1.002	4	-0.6	-0.045	-0.029	0.4986	
7200 minute winter	4	3660	9.536	0.436	0.7	0.0000	0.0000	FLOOD RISK	1.003	5	-0.7	-0.026	-0.029	0.8441	
7200 minute winter	5	3660	9.535	0.535	0.7	0.0000	0.0000	FLOOD RISK	1.004	6	-0.7	-0.023	-0.019	0.1621	
7200 minute winter	6	3660	9.536	0.636	2.0	5.2385	0.0000	FLOOD RISK	1.005	7	1.9	0.340	0.040	0.7796	
7200 minute winter	7	3660	9.535	0.785	3.0	3.2014	0.0000	FLOOD RISK	1.006	8	3.0	0.307	0.043	2.4823	
7200 minute winter	8	3720	9.535	0.985	5.2	6.7624	0.0000	FLOOD RISK	1.007	9	5.2	0.307	0.048	5.9230	
7200 minute winter	9	3720	9.535	1.185	8.8	11.5226	0.0000	FLOOD RISK	1.008	10	8.8	0.286	0.037	3.1360	
7200 minute winter	10	3720	9.535	1.235	9.5	2.1895	0.0000	FLOOD RISK	1.009	11	9.5	0.256	0.064	47.8613	
7200 minute winter	11	3540	9.534	1.534	9.5	0.0000	0.0000	FLOOD RISK	1.010	12	9.5	0.120	0.033	53.3278	
7200 minute winter	12	780	7.750	1.000	9.5	0.0000	0.0000	FLOOD RISK	1.011	13	9.5	0.081	0.048	0.2475	
7200 minute winter	13	3660	9.531	0.031	9.5	0.0000	0.0000	OK	1.012	13_OUT	9.5	1.905	0.008	0.0299	
7200 minute winter	13_OUT	7080	7.942	0.408	11.8	0.0000	0.0000	OK	Flow through pond	49	22.0	0.002	0.000	3761.7388	
7200 minute winter	14	3600	9.533	0.233	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.008	-0.007	0.8136	
7200 minute winter	15	3660	9.533	0.447	1.5	3.5457	0.0000	FLOOD RISK	2.001	16	1.5	0.275	0.031	0.9254	
7200 minute winter	16	3660	9.533	0.542	1.5	0.0000	0.0000	FLOOD RISK	2.002	17	1.5	0.294	0.030	0.6320	
7200 minute winter	17	3660	9.533	0.674	2.2	2.0918	0.0000	FLOOD RISK	2.003	18	2.2	0.283	0.028	1.8750	
7200 minute winter	18	3600	9.533	0.852	4.0	5.3603	0.0000	FLOOD RISK	2.004	19	4.0	0.295	0.032	5.4890	
7200 minute winter	19	3660	9.533	1.077	7.1	9.7118	0.0000	FLOOD RISK	2.005	20	7.1	0.291	0.038	4.0628	
7200 minute winter	20	3660	9.533	1.122	7.1	0.0000	0.0000	FLOOD RISK	2.006	21	7.1	0.401	0.038	3.4979	
7200 minute winter	21	3600	9.533	1.181	7.1	0.0000	0.0000	FLOOD RISK	2.007	22	7.1	0.430	0.012	3.7464	
7200 minute winter	22	3600	9.533	1.533	9.1	6.5584	0.0000	FLOOD RISK	2.008	23	9.1	0.185	0.032	53.3017	
7200 minute winter	23	780	7.750	1.000	9.1	0.0000	0.0000	FLOOD RISK	2.009	24	9.1	0.077	0.046	0.2477	
7200 minute winter	24	3660	9.531	0.031	9.1	0.0000	0.0000	OK	2.010	24_OUT	9.1	1.879	0.007	0.0290	
7200 minute winter	24_OUT	7020	7.942	0.408	11.3	0.0000	0.0000	OK	Flow through pond	49	22.0	0.002	0.000	3761.7388	
7200 minute winter	25	3360	8.807	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.282	0.011	0.0253	
7200 minute winter	26	3360	8.449	0.014	0.4	0.0183	0.0000	OK	3.001	27	0.3	0.351	0.018	0.0327	
									Infiltration		0.1				
7200 minute winter	27	3360	8.129	0.014	0.5	0.0200	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0273	
									Infiltration		0.1				
7200 minute winter	28	3360	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.503	0.019	0.0328	
									Infiltration		0.1				
7200 minute winter	29	3360	7.080	0.015	0.7	0.0182	0.0000	OK	3.004	30	0.6	0.626	0.021	0.0064	
									Infiltration		0.1				
7200 minute winter	30	3360	6.835	0.010	0.6	0.0012	0.0000	OK	3.005	31	0.5	0.113	0.000	0.1012	
7200 minute winter	31	3360	6.706	0.011	0.6	0.0013	0.0000	OK	3.006	32	0.5	0.052	0.000	0.1504	
									Infiltration		0.1				

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7200 minute winter	32	3480	6.875	0.030	0.5	0.0037	0.0000	OK	3.007	33	0.0	0.000	0.000	0.1126
									Infiltration		0.1			
									Infiltration		0.4			
7200 minute winter	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002
7200 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	35	80	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
7200 minute winter	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003
7200 minute winter	38	80	6.265	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
									Infiltration		0.0			
7200 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	40	80	6.895	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	43	80	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002
7200 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	46	80	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	47	60	6.965	0.000	0.0	0.0000	0.0000	OK	3.022	48	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	48	60	6.795	0.000	0.0	0.0000	0.0000	OK	3.023	53	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	49	7440	7.935	-0.065	27.1	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
7200 minute winter	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
7200 minute winter	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
7200 minute winter	52	80	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
7200 minute winter	53	80	6.785	0.000	0.0	0.0000	0.0000	OK	3.024	54	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	54	60	6.525	0.000	0.0	0.0000	0.0000	OK	3.025	54_OUT	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

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7200 minute winter	55	2700	8.459	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111
7200 minute winter	56	2700	8.428	0.012	0.2	0.0149	0.0000	OK	5.001	57	0.2	0.182	0.012	0.0180
									Infiltration		0.0			
7200 minute winter	57	2700	8.327	0.017	0.3	0.0136	0.0000	OK	5.002	58	0.2	0.177	0.027	0.0378
									Infiltration		0.0			
7200 minute winter	58	2620	8.265	0.020	0.3	0.0326	0.0000	OK	5.003	59	0.2	0.299	0.028	0.0224
									Infiltration		0.1			
7200 minute winter	59	2700	8.217	0.012	0.3	0.0157	0.0000	OK	5.004	60	0.2	0.041	0.000	0.0361
									Infiltration		0.1			
7200 minute winter	60	4380	8.210	0.025	0.3	0.0087	0.0000	OK	5.005	61	0.3	0.026	0.000	1.2742
									Infiltration		0.1			
7200 minute winter	61	4440	8.210	0.074	0.4	0.0253	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
7200 minute winter	62	2780	8.140	0.004	0.1	0.0013	0.0000	OK	5.007	63	0.1	0.040	0.000	1.1175
7200 minute winter	63	4620	7.894	0.058	0.2	0.0197	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	1.4023
									Infiltration		0.1			
7200 minute winter	63_OUT	4620	7.894	0.128	0.2	0.0439	0.0000	OK	Infiltration		0.2			
7200 minute winter	64	60	6.185	0.000	0.0	0.0000	0.0000	OK	6.000	65	0.0	0.000	0.000	0.0002
7200 minute winter	65	60	6.125	0.000	0.0	0.0000	0.0000	OK	6.001	66	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	66	60	6.093	0.000	0.0	0.0000	0.0000	OK	6.002	67	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
7200 minute winter	67	60	6.076	0.000	0.0	0.0000	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
7200 minute winter	68	60	6.078	0.000	0.0	0.0000	0.0000	OK	6.004	69	0.0	0.000	0.000	0.0004
7200 minute winter	69	60	5.765	0.000	0.0	0.0000	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
7200 minute winter	70	60	5.755	0.000	0.0	0.0000	0.0000	OK	6.006	71	0.0	0.000	0.000	0.0001
7200 minute winter	71	60	5.685	0.000	0.0	0.0000	0.0000	OK	6.007	72	0.0	0.000	0.000	0.0004
									Infiltration		0.0			
7200 minute winter	72	60	5.685	0.000	0.0	0.0000	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
7200 minute winter	73	60	5.705	0.000	0.0	0.0000	0.0000	OK	6.009	74	0.0	0.000	0.000	0.0001
7200 minute winter	74	60	5.705	0.000	0.0	0.0000	0.0000	OK	6.010	75	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
7200 minute winter	75	60	5.705	0.000	0.0	0.0000	0.0000	OK	6.011	76	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
7200 minute winter	76	60	5.835	0.000	0.0	0.0000	0.0000	OK	6.012	76_OUT	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
7200 minute winter	76_OUT	60	5.835	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

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Results for 30 year 8640 minute summer, 8640 minute analysis at 60 minute timestep. Mass balance: 97.87%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	1	4360	9.541	0.241	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.004	-0.004	0.4853	
8640 minute summer	2	4360	9.541	0.291	0.3	0.0000	0.0000	FLOOD RISK	1.001	3	-0.3	-0.013	-0.013	1.1264	
8640 minute summer	3	4320	9.541	0.391	0.4	0.0000	0.0000	FLOOD RISK	1.002	4	-0.4	-0.015	-0.018	0.4986	
8640 minute summer	4	4320	9.541	0.441	0.5	0.0000	0.0000	FLOOD RISK	1.003	5	-0.5	-0.016	-0.022	0.8441	
8640 minute summer	5	4360	9.541	0.541	0.5	0.0000	0.0000	FLOOD RISK	1.004	6	-0.5	-0.028	-0.014	0.1621	
8640 minute summer	6	4080	9.541	0.641	2.4	5.2856	0.0000	FLOOD RISK	1.005	7	2.4	0.291	0.050	0.7796	
8640 minute summer	7	4360	9.541	0.791	3.8	3.2237	0.0000	FLOOD RISK	1.006	8	3.8	0.288	0.054	2.4923	
8640 minute summer	8	4320	9.541	0.991	6.5	6.7996	0.0000	FLOOD RISK	1.007	9	6.5	0.281	0.060	5.9230	
8640 minute summer	9	4320	9.540	1.190	11.0	11.5743	0.0000	FLOOD RISK	1.008	10	11.0	0.253	0.046	3.1360	
8640 minute summer	10	4320	9.540	1.240	11.8	2.1988	0.0000	FLOOD RISK	1.009	11	11.8	0.234	0.080	47.8613	
8640 minute summer	11	4320	9.538	1.538	11.8	0.0000	0.0000	FLOOD RISK	1.010	12	11.8	0.185	0.041	53.3278	
8640 minute summer	12	840	7.750	1.000	11.8	0.0000	0.0000	FLOOD RISK	1.011	13	11.8	0.099	0.060	0.2486	
8640 minute summer	13	4080	9.534	0.034	11.8	0.0000	0.0000	OK	1.012	13_OUT	11.8	2.036	0.010	0.0347	
8640 minute summer	13_OUT	8640	7.926	0.393	11.8	0.0000	0.0000	OK	Flow through pond	49	25.0	0.002	0.000	3612.0959	
8640 minute summer	14	4320	9.538	0.238	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.003	-0.005	0.8136	
8640 minute summer	15	4320	9.538	0.452	1.8	3.5834	0.0000	FLOOD RISK	2.001	16	1.8	0.246	0.037	0.9254	
8640 minute summer	16	4320	9.538	0.547	1.8	0.0000	0.0000	FLOOD RISK	2.002	17	1.8	0.256	0.037	0.6320	
8640 minute summer	17	4320	9.538	0.679	2.7	2.1064	0.0000	FLOOD RISK	2.003	18	2.7	0.271	0.035	1.8750	
8640 minute summer	18	4320	9.538	0.857	4.9	5.3895	0.0000	FLOOD RISK	2.004	19	4.9	0.285	0.039	5.4890	
8640 minute summer	19	4320	9.538	1.082	8.8	9.7531	0.0000	FLOOD RISK	2.005	20	8.8	0.252	0.045	4.0628	
8640 minute summer	20	4320	9.537	1.126	8.8	0.0000	0.0000	FLOOD RISK	2.006	21	8.8	0.359	0.044	3.4979	
8640 minute summer	21	4320	9.537	1.166	8.8	0.0000	0.0000	FLOOD RISK	2.007	22	8.8	0.396	0.015	3.7404	
8640 minute summer	22	4320	9.537	1.537	11.3	6.5779	0.0000	FLOOD RISK	2.008	23	11.3	0.106	0.039	53.3017	
8640 minute summer	23	840	7.750	1.000	11.3	0.0000	0.0000	FLOOD RISK	2.009	24	11.3	0.095	0.058	0.2486	
8640 minute summer	24	4360	9.534	0.034	11.3	0.0000	0.0000	OK	2.010	24_OUT	11.3	2.010	0.009	0.0337	
8640 minute summer	24_OUT	8640	7.926	0.393	11.3	0.0000	0.0000	OK	Flow through pond	49	25.0	0.002	0.000	3612.0959	
8640 minute summer	25	4080	8.867	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.282	0.011	0.0253	
8640 minute summer	26	4080	8.449	0.014	0.4	0.0183	0.0000	OK	3.001	27	0.3	0.351	0.018	0.0327	
									Infiltration		0.1				
8640 minute summer	27	4080	8.129	0.014	0.5	0.0290	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0273	
									Infiltration		0.1				
8640 minute summer	28	4080	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.503	0.019	0.0328	
									Infiltration		0.1				
8640 minute summer	29	4080	7.060	0.015	0.7	0.0182	0.0000	OK	3.004	30	0.6	0.626	0.021	0.0064	
									Infiltration		0.1				
8640 minute summer	30	4080	6.835	0.010	0.6	0.0012	0.0000	OK	3.005	31	0.5	0.113	0.000	0.1012	
8640 minute summer	31	4080	6.706	0.011	0.6	0.0013	0.0000	OK	3.006	32	0.5	0.052	0.000	0.1504	
									Infiltration		0.1				
8640 minute summer	32	4200	6.675	0.030	0.5	0.0037	0.0000	OK	3.007	33	0.0	0.000	0.000	0.1128	

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									Infiltration		0.1				
									Infiltration		0.4				
8640 minute summer	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002	
8640 minute summer	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	35	60	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.0				
8640 minute summer	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003	
8640 minute summer	38	60	6.255	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
									Infiltration		0.0				
8640 minute summer	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	40	60	6.695	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	43	60	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002	
8640 minute summer	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	46	60	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	47	60	6.965	0.000	0.0	0.0000	0.0000	OK	3.022	48	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	48	60	6.795	0.000	0.0	0.0000	0.0000	OK	3.023	50	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	49	8820	7.919	-0.681	30.7	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
8640 minute summer	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
8640 minute summer	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
8640 minute summer	52	60	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
8640 minute summer	53	60	6.785	0.000	0.0	0.0000	0.0000	OK	3.024	54	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	54	60	6.625	0.000	0.0	0.0000	0.0000	OK	3.025	54_OUT	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute summer	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0				
8640 minute summer	55	3660	8.458	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111	
8640 minute summer	56	3660	8.428	0.012	0.2	0.0148	0.0000	OK	5.001	57	0.2	0.162	0.012	0.0180	

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								Infiltration		0.0				
8640 minute summer	57	3660	8.327	0.017	0.3	0.0136	0.0000 OK	S 002	58	0.2	0.177	0.027	0.0378
								Infiltration		0.0				
8640 minute summer	58	3760	8.285	0.020	0.3	0.0326	0.0000 OK	S 003	59	0.2	0.209	0.028	0.0224
								Infiltration		0.1				
8640 minute summer	59	3660	8.217	0.012	0.3	0.0157	0.0000 OK	S 004	60	0.2	0.041	0.000	0.3361
								Infiltration		0.1				
8640 minute summer	60	5100	8.210	0.025	0.3	0.0087	0.0000 OK	S 005	61	0.3	0.026	0.000	1.2742
								Infiltration		0.1				
8640 minute summer	61	5100	8.210	0.074	0.4	0.0253	0.0000 OK	S 006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.3				
8640 minute summer	62	3720	8.140	0.004	0.1	0.0013	0.0000 OK	S 007	63	0.1	0.040	0.000	1.1167
8640 minute summer	63	5100	7.894	0.058	0.2	0.0197	0.0000 OK	S 008	63_OUT	0.1	0.014	0.000	1.4017
								Infiltration		0.1				
8640 minute summer	63_OUT	5100	7.894	0.129	0.2	0.0439	0.0000 OK	Infiltration		0.2				
8640 minute summer	64	4380	6.188	0.003	0.1	0.0006	0.0000 OK	S 000	65	0.1	0.024	0.000	0.1798
8640 minute summer	65	4380	6.184	0.059	0.2	0.0094	0.0000 OK	S 001	66	0.1	0.005	0.000	0.5188
								Infiltration		0.1				
8640 minute summer	66	4380	6.184	0.091	0.2	0.0143	0.0000 OK	S 002	67	0.0	0.002	0.000	0.3772
								Infiltration		0.1				
8640 minute summer	67	4380	6.184	0.108	0.1	0.0187	0.0000 OK	S 003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1				
8640 minute summer	68	4380	6.079	0.003	0.1	0.0004	0.0000 OK	S 004	69	0.1	0.009	0.000	0.8705
8640 minute summer	69	4440	5.867	0.102	0.2	0.0163	0.0000 OK	S 005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.1				
8640 minute summer	70	4380	5.758	0.003	0.1	0.0005	0.0000 OK	S 006	71	0.1	0.014	0.000	0.1311
8640 minute summer	71	4380	5.734	0.049	0.2	0.0078	0.0000 OK	S 007	72	0.1	0.006	0.000	0.6518
								Infiltration		0.0				
8640 minute summer	72	4380	5.734	0.049	0.2	0.0078	0.0000 OK	S 008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.2				
8640 minute summer	73	4440	5.776	0.071	0.1	0.0114	0.0000 OK	S 009	74	0.1	0.013	0.000	0.2432
8640 minute summer	74	4440	5.776	0.071	0.2	0.0114	0.0000 OK	S 010	75	0.1	0.018	0.000	0.2754
								Infiltration		0.0				
8640 minute summer	75	4440	5.776	0.071	0.2	0.0114	0.0000 OK	S 011	76	0.1	0.006	0.000	0.4244
								Infiltration		0.1				
8640 minute summer	76	4440	5.776	0.141	0.2	0.0215	0.0000 OK	S 012	76_OUT	0.1	0.001	0.000	0.5489
								Infiltration		0.1				
8640 minute summer	76_OUT	4440	5.776	0.141	0.2	0.0228	0.0000 OK	Infiltration		0.1				

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Results for 30 year 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 88.09%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	1	4360	9.533	0.233	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.010	-0.005	0.4653	
8640 minute winter	2	4380	9.533	0.283	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.015	-0.020	1.1264	
8640 minute winter	3	4440	9.533	0.383	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.024	-0.025	0.4986	
8640 minute winter	4	4440	9.533	0.433	0.6	0.0000	0.0000	FLOOD RISK	1.003	5	-0.5	-0.019	-0.025	0.8441	
8640 minute winter	5	4440	9.533	0.533	0.6	0.0000	0.0000	FLOOD RISK	1.004	6	-0.5	-0.020	-0.017	0.1621	
8640 minute winter	6	4320	9.533	0.633	1.7	5.2184	0.0000	FLOOD RISK	1.005	7	1.7	0.318	0.036	0.7796	
8640 minute winter	7	4320	9.533	0.783	2.7	3.1814	0.0000	FLOOD RISK	1.006	8	2.8	0.288	0.039	2.4823	
8640 minute winter	8	4280	9.533	0.983	4.7	6.7457	0.0000	FLOOD RISK	1.007	9	4.7	0.295	0.044	5.9230	
8640 minute winter	9	4440	9.533	1.183	7.9	11.4993	0.0000	FLOOD RISK	1.008	10	7.9	0.286	0.033	3.1360	
8640 minute winter	10	4440	9.533	1.233	8.5	2.1852	0.0000	FLOOD RISK	1.009	11	8.5	0.267	0.058	47.8613	
8640 minute winter	11	4440	9.532	1.532	8.5	0.0000	0.0000	FLOOD RISK	1.010	12	8.5	0.133	0.030	53.3278	
8640 minute winter	12	840	7.750	1.000	8.5	0.0000	0.0000	FLOOD RISK	1.011	13	8.5	0.072	0.043	0.2472	
8640 minute winter	13	4440	9.530	0.030	8.5	0.0000	0.0000	OK	1.012	13_OUT	8.5	1.840	0.007	0.0277	
8640 minute winter	13_OUT	8460	7.978	0.445	12.4	0.0000	0.0000	OK	Flow through pond	49	32.7	0.003	0.000	4093.7527	
8640 minute winter	14	4440	9.531	0.231	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.004	-0.004	0.8138	
8640 minute winter	15	4260	9.531	0.445	1.3	3.5296	0.0000	FLOOD RISK	2.001	16	1.3	0.248	0.027	0.9254	
8640 minute winter	16	4260	9.531	0.540	1.3	0.0000	0.0000	FLOOD RISK	2.002	17	1.3	0.256	0.028	0.6320	
8640 minute winter	17	4440	9.531	0.672	2.0	2.0857	0.0000	FLOOD RISK	2.003	18	2.0	0.271	0.029	1.8750	
8640 minute winter	18	4440	9.531	0.850	3.8	5.3480	0.0000	FLOOD RISK	2.004	19	3.8	0.285	0.029	5.4890	
8640 minute winter	19	4260	9.531	1.075	6.4	9.8943	0.0000	FLOOD RISK	2.005	20	6.4	0.272	0.032	4.0628	
8640 minute winter	20	4320	9.531	1.120	6.4	0.0000	0.0000	FLOOD RISK	2.006	21	6.4	0.383	0.032	3.4979	
8640 minute winter	21	4360	9.531	1.159	6.4	0.0000	0.0000	FLOOD RISK	2.007	22	6.4	0.416	0.011	3.7464	
8640 minute winter	22	4440	9.531	1.531	8.2	8.6501	0.0000	FLOOD RISK	2.008	23	8.2	0.179	0.028	53.3017	
8640 minute winter	23	900	7.750	1.000	8.2	0.0000	0.0000	FLOOD RISK	2.009	24	8.2	0.070	0.042	0.2472	
8640 minute winter	24	4320	9.529	0.029	8.2	0.0000	0.0000	OK	2.010	24_OUT	8.2	1.820	0.007	0.0270	
8640 minute winter	24_OUT	8460	7.966	0.433	11.8	0.0000	0.0000	OK	Flow through pond	49	32.7	0.003	0.000	4093.7527	
8640 minute winter	25	2640	8.804	0.008	0.1	0.0052	0.0000	OK	3.000	26	0.1	0.240	0.008	0.0148	
8640 minute winter	26	2640	8.445	0.010	0.2	0.0105	0.0000	OK	3.001	27	0.1	0.278	0.008	0.0177	
									Infiltration		0.1				
8640 minute winter	27	2640	8.124	0.009	0.2	0.0103	0.0000	OK	3.002	28	0.1	0.311	0.007	0.0141	
									Infiltration		0.1				
8640 minute winter	28	2640	7.704	0.009	0.2	0.0092	0.0000	OK	3.003	29	0.2	0.374	0.007	0.0168	
									Infiltration		0.1				
8640 minute winter	29	2640	7.075	0.010	0.3	0.0090	0.0000	OK	3.004	30	0.2	0.473	0.008	0.0033	
									Infiltration		0.0				
8640 minute winter	30	2640	6.830	0.005	0.2	0.0007	0.0000	OK	3.005	31	0.2	0.050	0.000	0.0561	
8640 minute winter	31	2640	6.701	0.006	0.2	0.0007	0.0000	OK	3.006	32	0.2	0.050	0.000	0.0508	
									Infiltration		0.0				

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8640 minute winter	32	2760	6.858	0.011	0.2	0.0014	0.0000	OK	3.007	33	0.0	0.000	0.000	0.0402
									Infiltration		0.1			
									Infiltration		0.1			
8640 minute winter	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002
8640 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	35	80	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
8640 minute winter	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003
8640 minute winter	38	80	6.265	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
									Infiltration		0.0			
8640 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	40	80	6.895	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	43	80	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002
8640 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	46	80	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	47	60	6.965	0.000	0.0	0.0000	0.0000	OK	3.022	48	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	48	60	6.795	0.000	0.0	0.0000	0.0000	OK	3.023	53	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	49	8640	7.971	-0.029	35.4	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
8640 minute winter	50	50	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
8640 minute winter	51	50	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
8640 minute winter	52	80	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
8640 minute winter	53	80	6.785	0.000	0.0	0.0000	0.0000	OK	3.024	54	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	54	50	6.525	0.000	0.0	0.0000	0.0000	OK	3.025	54_OUT	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

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8640 minute winter	55	3420	8.459	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111
8640 minute winter	56	3420	8.428	0.012	0.2	0.0149	0.0000	OK	5.001	57	0.2	0.182	0.012	0.0180
									Infiltration		0.0			
8640 minute winter	57	3420	8.327	0.017	0.3	0.0130	0.0000	OK	5.002	58	0.2	0.177	0.027	0.0378
									Infiltration		0.0			
8640 minute winter	58	3540	8.265	0.020	0.3	0.0326	0.0000	OK	5.003	59	0.2	0.299	0.028	0.0224
									Infiltration		0.1			
8640 minute winter	59	3420	8.217	0.012	0.3	0.0157	0.0000	OK	5.004	60	0.2	0.041	0.000	0.0361
									Infiltration		0.1			
8640 minute winter	60	5160	8.210	0.025	0.3	0.0087	0.0000	OK	5.005	61	0.3	0.026	0.000	1.2742
									Infiltration		0.1			
8640 minute winter	61	5180	8.210	0.074	0.4	0.0253	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
8640 minute winter	62	3480	8.140	0.004	0.1	0.0013	0.0000	OK	5.007	63	0.1	0.040	0.000	1.1175
8640 minute winter	63	5340	7.894	0.058	0.2	0.0197	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	1.4023
									Infiltration		0.1			
8640 minute winter	63_OUT	5340	7.894	0.129	0.2	0.0439	0.0000	OK	Infiltration		0.2			
8640 minute winter	64	60	6.185	0.000	0.0	0.0000	0.0000	OK	6.000	65	0.0	0.000	0.000	0.0002
8640 minute winter	65	60	6.125	0.000	0.0	0.0000	0.0000	OK	6.001	66	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	66	60	6.093	0.000	0.0	0.0000	0.0000	OK	6.002	67	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
8640 minute winter	67	60	6.076	0.000	0.0	0.0000	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
8640 minute winter	68	60	6.078	0.000	0.0	0.0000	0.0000	OK	6.004	69	0.0	0.000	0.000	0.0004
8640 minute winter	69	60	5.765	0.000	0.0	0.0000	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
8640 minute winter	70	60	5.755	0.000	0.0	0.0000	0.0000	OK	6.006	71	0.0	0.000	0.000	0.0001
8640 minute winter	71	60	5.685	0.000	0.0	0.0000	0.0000	OK	6.007	72	0.0	0.000	0.000	0.0004
									Infiltration		0.0			
8640 minute winter	72	60	5.685	0.000	0.0	0.0000	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
8640 minute winter	73	60	5.705	0.000	0.0	0.0000	0.0000	OK	6.009	74	0.0	0.000	0.000	0.0001
8640 minute winter	74	60	5.705	0.000	0.0	0.0000	0.0000	OK	6.010	75	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
8640 minute winter	75	60	5.705	0.000	0.0	0.0000	0.0000	OK	6.011	76	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
8640 minute winter	76	60	5.835	0.000	0.0	0.0000	0.0000	OK	6.012	76_OUT	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
8640 minute winter	76_OUT	60	5.835	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

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Results for 30 year 10080 minute summer. 10320 minute analysis at 60 minute timestep. Mass balance: 88.80%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	1	5040	9.539	0.239	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.006	-0.004	0.4653	
10080 minute summer	2	5040	9.539	0.289	0.3	0.0000	0.0000	FLOOD RISK	1.001	3	-0.3	-0.010	-0.014	1.1264	
10080 minute summer	3	5040	9.539	0.389	0.4	0.0000	0.0000	FLOOD RISK	1.002	4	-0.4	-0.012	-0.017	0.4986	
10080 minute summer	4	5040	9.539	0.439	0.4	0.0000	0.0000	FLOOD RISK	1.003	5	-0.4	-0.014	-0.018	0.8441	
10080 minute summer	5	5040	9.539	0.539	0.4	0.0000	0.0000	FLOOD RISK	1.004	6	-0.4	-0.014	-0.012	0.1621	
10080 minute summer	6	5100	9.539	0.639	2.2	5.2879	0.0000	FLOOD RISK	1.005	7	2.2	0.291	0.045	0.7796	
10080 minute summer	7	5100	9.539	0.789	3.5	3.2152	0.0000	FLOOD RISK	1.006	8	3.5	0.288	0.050	2.4823	
10080 minute summer	8	5040	9.539	0.989	6.0	6.7853	0.0000	FLOOD RISK	1.007	9	6.0	0.265	0.056	5.9230	
10080 minute summer	9	5040	9.538	1.188	10.1	11.5542	0.0000	FLOOD RISK	1.008	10	10.1	0.248	0.043	3.1360	
10080 minute summer	10	5040	9.538	1.238	10.9	2.1952	0.0000	FLOOD RISK	1.009	11	10.9	0.228	0.074	47.8613	
10080 minute summer	11	5100	9.537	1.537	10.9	0.0000	0.0000	FLOOD RISK	1.010	12	10.9	0.173	0.038	53.3278	
10080 minute summer	12	960	7.750	1.000	10.9	0.0000	0.0000	FLOOD RISK	1.011	13	10.9	0.092	0.056	0.2483	
10080 minute summer	13	5100	9.533	0.033	10.9	0.0000	0.0000	OK	1.012	13_OUT	10.9	1.988	0.009	0.0328	
10080 minute summer	13_OUT	10080	7.956	0.424	10.9	0.0000	0.0000	OK	Flow through pond	49	21.2	0.062	0.000	3897.5344	
10080 minute summer	14	5040	9.536	0.236	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.005	-0.005	0.6136	
10080 minute summer	15	5100	9.538	0.450	1.7	3.5704	0.0000	FLOOD RISK	2.001	16	1.7	0.248	0.035	0.9254	
10080 minute summer	16	5100	9.536	0.545	1.7	0.0000	0.0000	FLOOD RISK	2.002	17	1.7	0.256	0.034	0.8326	
10080 minute summer	17	5100	9.536	0.677	2.6	2.1613	0.0000	FLOOD RISK	2.003	18	2.6	0.271	0.033	1.8750	
10080 minute summer	18	5040	9.536	0.855	4.7	5.3794	0.0000	FLOOD RISK	2.004	19	4.7	0.285	0.037	5.4890	
10080 minute summer	19	5040	9.536	1.080	8.2	9.7388	0.0000	FLOOD RISK	2.005	20	8.2	0.256	0.042	4.0628	
10080 minute summer	20	5100	9.536	1.125	8.2	0.0000	0.0000	FLOOD RISK	2.006	21	8.2	0.359	0.041	3.4979	
10080 minute summer	21	5100	9.536	1.164	8.2	0.0000	0.0000	FLOOD RISK	2.007	22	8.2	0.377	0.014	3.7404	
10080 minute summer	22	5100	9.536	1.536	10.5	5.8711	0.0000	FLOOD RISK	2.008	23	10.5	0.108	0.035	53.3017	
10080 minute summer	23	960	7.750	1.000	10.5	0.0000	0.0000	FLOOD RISK	2.009	24	10.5	0.089	0.053	0.2483	
10080 minute summer	24	5100	9.533	0.033	10.5	0.0000	0.0000	OK	2.010	24_OUT	10.5	1.966	0.008	0.0329	
10080 minute summer	24_OUT	10080	7.956	0.424	11.1	0.0000	0.0000	OK	Flow through pond	49	21.2	0.062	0.000	3897.5344	
10080 minute summer	25	4860	8.867	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.282	0.011	0.0253	
10080 minute summer	26	4860	8.449	0.014	0.4	0.0183	0.0000	OK	3.001	27	0.3	0.351	0.018	0.0327	
									Infiltration		0.1				
10080 minute summer	27	4860	8.129	0.014	0.5	0.0200	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0273	
									Infiltration		0.1				
10080 minute summer	28	4860	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.563	0.019	0.0326	
									Infiltration		0.1				
10080 minute summer	29	4860	7.080	0.015	0.7	0.0162	0.0000	OK	3.004	30	0.5	0.528	0.021	0.0054	
									Infiltration		0.1				
10080 minute summer	30	4860	5.835	0.010	0.5	0.0012	0.0000	OK	3.005	31	0.6	0.113	0.000	0.1012	
10080 minute summer	31	4860	6.708	0.011	0.6	0.0013	0.0000	OK	3.006	32	0.5	0.052	0.000	0.1504	
									Infiltration		0.1				
10080 minute summer	32	4980	6.675	0.030	0.5	0.0037	0.0000	OK	3.007	33	0.0	0.000	0.000	0.1126	

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									Infiltration		0.1				
									Infiltration		0.4				
10080 minute summer	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.000	0.0002
10080 minute summer	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.000	0.0002
									Infiltration		0.0				
10080 minute summer	35	60	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.000	0.0002
									Infiltration		0.0				
10080 minute summer	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.000	0.0000
									Infiltration		0.0				
10080 minute summer	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.000	0.0003
10080 minute summer	38	60	6.265	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.000	0.0002
									Infiltration		0.0				
									Infiltration		0.0				
10080 minute summer	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.000	0.0002
									Infiltration		0.0				
10080 minute summer	40	60	6.695	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.000	0.0002
									Infiltration		0.0				
10080 minute summer	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.000	0.0002
									Infiltration		0.0				
10080 minute summer	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.000	0.0002
									Infiltration		0.0				
10080 minute summer	43	60	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.000	0.0002
									Infiltration		0.0				
10080 minute summer	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.000	0.0002
10080 minute summer	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.000	0.0002
									Infiltration		0.0				
10080 minute summer	46	60	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.000	0.0002
									Infiltration		0.0				
10080 minute summer	47	60	6.965	0.000	0.0	0.0000	0.0000	OK	3.022	48	0.0	0.000	0.000	0.000	0.0002
									Infiltration		0.0				
10080 minute summer	48	60	6.795	0.000	0.0	0.0000	0.0000	OK	3.023	53	0.0	0.000	0.000	0.000	0.0002
									Infiltration		0.0				
10080 minute summer	49	10320	7.950	-0.050	27.4	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
10080 minute summer	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.000	0.0000
10080 minute summer	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.000	0.0000
10080 minute summer	52	60	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.000	0.0000
10080 minute summer	53	60	6.785	0.000	0.0	0.0000	0.0000	OK	3.024	54	0.0	0.000	0.000	0.000	0.0002
									Infiltration		0.0				
10080 minute summer	54	60	6.625	0.000	0.0	0.0000	0.0000	OK	3.025	54_OUT	0.0	0.000	0.000	0.000	0.0002
									Infiltration		0.0				
10080 minute summer	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0				
10080 minute summer	55	4380	8.469	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.011	
10080 minute summer	56	4380	8.428	0.012	0.2	0.0149	0.0000	OK	5.001	57	0.2	0.182	0.012	0.018	

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									Infiltration		0.0				
10080 minute summer	57	4380	8.327	0.017	0.3	0.0138	0.0000	OK	5.002	58	0.2	0.177	0.027	0.0378	
									Infiltration		0.0				
10080 minute summer	58	4500	8.285	0.020	0.3	0.0328	0.0000	OK	5.003	59	0.2	0.209	0.028	0.0224	
									Infiltration		0.1				
10080 minute summer	59	4380	8.217	0.012	0.3	0.0157	0.0000	OK	5.004	60	0.2	0.041	0.000	0.3361	
									Infiltration		0.1				
10080 minute summer	60	5820	8.210	0.025	0.3	0.0087	0.0000	OK	5.005	61	0.3	0.028	0.000	1.2742	
									Infiltration		0.1				
10080 minute summer	61	5820	8.210	0.074	0.4	0.0253	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000	
									Infiltration		0.3				
10080 minute summer	62	4440	8.140	0.004	0.1	0.0013	0.0000	OK	5.007	63	0.1	0.040	0.000	1.1187	
10080 minute summer	63	5820	7.894	0.058	0.2	0.0197	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	1.4017	
									Infiltration		0.1				
10080 minute summer	63_OUT	5820	7.894	0.129	0.2	0.0439	0.0000	OK	Infiltration		0.2				
10080 minute summer	64	60	5.185	0.000	0.0	0.0000	0.0000	OK	6.000	65	0.0	0.000	0.000	0.0002	
10080 minute summer	65	60	5.125	0.000	0.0	0.0000	0.0000	OK	6.001	66	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute summer	66	60	5.093	0.000	0.0	0.0000	0.0000	OK	6.002	67	0.0	0.000	0.000	0.0001	
									Infiltration		0.0				
10080 minute summer	67	60	5.078	0.000	0.0	0.0000	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000	
									Infiltration		0.0				
10080 minute summer	68	60	5.078	0.000	0.0	0.0000	0.0000	OK	6.004	69	0.0	0.000	0.000	0.0004	
10080 minute summer	69	60	5.765	0.000	0.0	0.0000	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000	
									Infiltration		0.0				
10080 minute summer	70	60	5.755	0.000	0.0	0.0000	0.0000	OK	6.006	71	0.0	0.000	0.000	0.0001	
10080 minute summer	71	60	5.685	0.000	0.0	0.0000	0.0000	OK	6.007	72	0.0	0.000	0.000	0.0004	
									Infiltration		0.0				
10080 minute summer	72	60	5.685	0.000	0.0	0.0000	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000	
									Infiltration		0.0				
10080 minute summer	73	60	5.705	0.000	0.0	0.0000	0.0000	OK	6.009	74	0.0	0.000	0.000	0.0001	
10080 minute summer	74	60	5.705	0.000	0.0	0.0000	0.0000	OK	6.010	75	0.0	0.000	0.000	0.0001	
									Infiltration		0.0				
10080 minute summer	75	60	5.705	0.000	0.0	0.0000	0.0000	OK	6.011	76	0.0	0.000	0.000	0.0001	
									Infiltration		0.0				
10080 minute summer	76	60	5.635	0.000	0.0	0.0000	0.0000	OK	6.012	76_OUT	0.0	0.000	0.000	0.0001	
									Infiltration		0.0				
10080 minute summer	76_OUT	60	5.635	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0				

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Results for 30 year 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 98.22%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	1	5160	9.532	0.232	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.015	-0.004	0.4653	
10080 minute winter	2	5100	9.532	0.282	0.3	0.0000	0.0000	FLOOD RISK	1.001	3	-0.3	-0.015	-0.014	1.1264	
10080 minute winter	3	5040	9.532	0.382	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.026	-0.022	0.4986	
10080 minute winter	4	5040	9.532	0.432	0.5	0.0000	0.0000	FLOOD RISK	1.003	5	-0.5	-0.018	-0.022	0.8441	
10080 minute winter	5	5160	9.531	0.531	0.5	0.0000	0.0000	FLOOD RISK	1.004	6	-0.5	-0.018	-0.015	0.1621	
10080 minute winter	6	5160	9.532	0.632	1.6	5.2064	0.0000	FLOOD RISK	1.005	7	1.6	0.291	0.033	0.7796	
10080 minute winter	7	5160	9.531	0.781	2.5	3.1852	0.0000	FLOOD RISK	1.006	8	2.5	0.286	0.030	2.4923	
10080 minute winter	8	5040	9.531	0.981	4.3	6.7358	0.0000	FLOOD RISK	1.007	9	4.3	0.281	0.040	5.9236	
10080 minute winter	9	5160	9.531	1.181	7.3	11.4857	0.0000	FLOOD RISK	1.008	10	7.3	0.271	0.031	3.1366	
10080 minute winter	10	5160	9.531	1.231	7.9	2.1828	0.0000	FLOOD RISK	1.009	11	7.9	0.255	0.053	47.8613	
10080 minute winter	11	5160	9.530	1.530	7.9	0.0000	0.0000	FLOOD RISK	1.010	12	7.9	0.121	0.027	53.3278	
10080 minute winter	12	960	7.750	1.000	7.9	0.0000	0.0000	FLOOD RISK	1.011	13	7.9	0.067	0.040	0.2468	
10080 minute winter	13	5040	9.529	0.929	7.9	0.0000	0.0000	OK	1.012	13_OUT	7.9	1.798	0.066	0.0263	
10080 minute winter	13_OUT	9960	8.013	0.480	14.0	0.0000	0.0000	OK	Flow through pond	49	25.5	0.002	0.000	4410.9854	
10080 minute winter	14	5040	9.530	0.230	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.004	-0.004	0.8136	
10080 minute winter	15	5100	9.530	0.444	1.2	3.5191	0.0000	FLOOD RISK	2.001	16	1.2	0.248	0.025	0.9254	
10080 minute winter	16	5100	9.530	0.539	1.2	0.0000	0.0000	FLOOD RISK	2.002	17	1.2	0.256	0.024	0.6320	
10080 minute winter	17	5040	9.530	0.671	1.8	2.0815	0.0000	FLOOD RISK	2.003	18	1.8	0.271	0.023	1.8750	
10080 minute winter	18	5040	9.530	0.849	3.3	5.3397	0.0000	FLOOD RISK	2.004	19	3.3	0.285	0.026	5.4896	
10080 minute winter	19	5100	9.530	1.074	5.9	9.6828	0.0000	FLOOD RISK	2.005	20	5.9	0.272	0.030	4.0628	
10080 minute winter	20	5100	9.530	1.119	5.9	0.0000	0.0000	FLOOD RISK	2.006	21	5.9	0.383	0.030	3.4979	
10080 minute winter	21	5040	9.530	1.158	5.9	0.0000	0.0000	FLOOD RISK	2.007	22	5.9	0.399	0.010	3.7404	
10080 minute winter	22	5040	9.530	1.530	7.6	5.6445	0.0000	FLOOD RISK	2.008	23	7.6	0.130	0.026	53.3017	
10080 minute winter	23	960	7.750	1.000	7.6	0.0000	0.0000	FLOOD RISK	2.009	24	7.6	0.065	0.039	0.2478	
10080 minute winter	24	5100	9.528	0.928	7.6	0.0000	0.0000	OK	2.010	24_OUT	7.6	1.778	0.066	0.0256	
10080 minute winter	24_OUT	9960	8.000	0.466	14.0	0.0000	0.0000	OK	Flow through pond	49	25.5	0.002	0.000	4410.9854	
10080 minute winter	25	3180	8.804	0.008	0.1	0.0052	0.0000	OK	3.000	26	0.1	0.240	0.006	0.0148	
10080 minute winter	26	3180	8.445	0.010	0.2	0.0105	0.0000	OK	3.001	27	0.1	0.278	0.008	0.0177	
									Infiltration		0.1				
10080 minute winter	27	3180	8.124	0.009	0.2	0.0103	0.0000	OK	3.002	28	0.1	0.311	0.007	0.0141	
									Infiltration		0.1				
10080 minute winter	28	3180	7.704	0.009	0.2	0.0092	0.0000	OK	3.003	29	0.2	0.374	0.007	0.0168	
									Infiltration		0.1				
10080 minute winter	29	3180	7.075	0.010	0.3	0.0090	0.0000	OK	3.004	30	0.2	0.473	0.008	0.0033	
									Infiltration		0.0				
10080 minute winter	30	3180	6.830	0.005	0.2	0.0007	0.0000	OK	3.005	31	0.2	0.080	0.000	0.0581	
10080 minute winter	31	3180	6.701	0.006	0.2	0.0007	0.0000	OK	3.006	32	0.2	0.050	0.000	0.0608	
									Infiltration		0.0				

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10080 minute winter	32	3300	6.656	0.011	0.2	0.0014	0.0000	OK	3.007	33	0.0	0.000	0.000	0.0402	
									Infiltration		0.1				
									Infiltration		0.1				
10080 minute winter	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002	
10080 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	35	60	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.0				
10080 minute winter	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003	
10080 minute winter	38	60	6.255	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
									Infiltration		0.0				
10080 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	40	60	6.695	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	43	60	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002	
10080 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	46	60	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	47	60	6.965	0.000	0.0	0.0000	0.0000	OK	3.022	48	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
10080 minute winter	48	60	6.795	0.000	0.0	0.0000	0.0000	OK	3.023	53	0.0	0.000	0.000	0.0038	
									Infiltration		0.0				
10080 minute winter	49	10140	8.065	0.005	27.8	0.0829	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
10080 minute winter	50	10320	7.404	0.004	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.218	0.001	0.0007	
10080 minute winter	51	10140	7.303	0.003	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.227	0.001	0.0004	
10080 minute winter	52	10140	7.204	0.004	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.262	0.001	0.0002	
10080 minute winter	53	10140	6.756	0.001	0.0	0.0001	0.0000	OK	3.024	54	0.0	0.000	0.000	0.0080	
									Infiltration		0.0				
10080 minute winter	54	10140	6.626	0.001	0.0	0.0001	0.0000	OK	3.025	54_OUT	0.0	0.008	0.000	0.0078	
									Infiltration		0.0				
10080 minute winter	54_OUT	10320	6.521	0.016	0.0	0.0020	0.0000	OK	Infiltration		0.0				

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10080 minute winter	55	4080	8.459	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111
10080 minute winter	56	4080	8.428	0.012	0.2	0.0149	0.0000	OK	5.001	57	0.2	0.182	0.012	0.0180
									Infiltration		0.0			
10080 minute winter	57	4080	8.327	0.017	0.3	0.0138	0.0000	OK	5.002	58	0.2	0.177	0.027	0.0378
									Infiltration		0.0			
10080 minute winter	58	4200	8.285	0.029	0.3	0.0328	0.0000	OK	5.003	59	0.2	0.209	0.028	0.0224
									Infiltration		0.1			
10080 minute winter	59	4080	8.217	0.012	0.3	0.0157	0.0000	OK	5.004	60	0.2	0.041	0.000	0.3361
									Infiltration		0.1			
10080 minute winter	60	5760	8.210	0.025	0.3	0.0067	0.0000	OK	5.005	61	0.3	0.028	0.000	1.2742
									Infiltration		0.1			
10080 minute winter	61	5820	8.210	0.074	0.4	0.0253	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
10080 minute winter	62	4140	8.140	0.004	0.1	0.0013	0.0000	OK	5.007	63	0.1	0.048	0.000	1.1175
10080 minute winter	63	6120	7.894	0.058	0.2	0.0197	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	1.4024
									Infiltration		0.1			
10080 minute winter	63_OUT	6120	7.894	0.129	0.2	0.0439	0.0000	OK	Infiltration		0.2			
10080 minute winter	64	60	8.155	0.000	0.0	0.0000	0.0000	OK	5.000	65	0.0	0.000	0.000	0.0002
10080 minute winter	65	60	8.125	0.000	0.0	0.0000	0.0000	OK	5.001	66	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
10080 minute winter	66	60	8.093	0.000	0.0	0.0000	0.0000	OK	5.002	67	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
10080 minute winter	67	60	8.076	0.000	0.0	0.0000	0.0000	OK	5.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
10080 minute winter	68	60	8.076	0.000	0.0	0.0000	0.0000	OK	5.004	69	0.0	0.000	0.000	0.0004
10080 minute winter	69	60	5.765	0.000	0.0	0.0000	0.0000	OK	5.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
10080 minute winter	70	60	5.755	0.000	0.0	0.0000	0.0000	OK	5.006	71	0.0	0.000	0.000	0.0001
10080 minute winter	71	60	5.655	0.000	0.0	0.0000	0.0000	OK	5.007	72	0.0	0.000	0.000	0.0004
									Infiltration		0.0			
10080 minute winter	72	60	5.685	0.000	0.0	0.0000	0.0000	OK	5.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
10080 minute winter	73	60	5.705	0.000	0.0	0.0000	0.0000	OK	5.009	74	0.0	0.000	0.000	0.0001
10080 minute winter	74	60	5.705	0.000	0.0	0.0000	0.0000	OK	5.010	75	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
10080 minute winter	75	60	5.705	0.000	0.0	0.0000	0.0000	OK	5.011	76	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
10080 minute winter	76	60	5.635	0.000	0.0	0.0000	0.0000	OK	5.012	76_OUT	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
10080 minute winter	76_OUT	60	5.635	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

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Results for 100 year +30% 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 98.18%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	1	10	9.800	0.500	14.3	0.0000	0.0000	FLOOD RISK	1.000	2	-14.3	-0.458	-0.654	0.4853	
15 minute summer	2	10	9.800	0.550	32.7	0.0000	0.0000	FLOOD RISK	1.001	3	-32.7	-1.069	-1.643	1.1264	
15 minute summer	3	10	9.800	0.650	42.9	0.0000	0.0000	FLOOD RISK	1.002	4	-42.9	-1.371	-2.028	0.4988	
15 minute summer	4	9	9.800	0.700	57.4	0.0000	0.0000	FLOOD RISK	1.003	5	-57.4	-1.835	-2.495	0.8441	
15 minute summer	5	9	9.800	0.800	71.5	0.0000	0.0000	FLOOD RISK	1.004	6	-71.5	-2.288	-1.913	0.1821	
15 minute summer	6	9	9.800	0.900	211.7	40.2401	0.0000	FLOOD RISK	1.005	7	92.8	1.898	1.915	0.7795	
15 minute summer	7	9	9.800	1.050	148.7	20.2740	0.0000	FLOOD RISK	1.006	8	124.1	1.594	1.768	2.4923	
15 minute summer	8	9	9.800	1.250	334.4	34.5519	0.0000	FLOOD RISK	1.007	9	243.5	1.945	2.251	5.9230	
15 minute summer	9	9	9.800	1.450	645.7	48.7930	0.0000	FLOOD RISK	1.008	10	528.6	2.703	2.230	3.1360	
15 minute summer	10	10	9.800	1.500	604.5	8.8333	0.0000	FLOOD RISK	1.009	11	389.3	2.064	2.835	47.8813	
15 minute summer	11	11	9.800	1.800	389.3	0.0000	0.0000	FLOOD RISK	1.010	12	356.8	1.793	1.218	53.3278	
15 minute summer	12	11	7.750	1.000	356.8	0.0000	0.0000	FLOOD RISK	1.011	13	587.4	3.642	2.880	0.3744	
15 minute summer	13	14	9.770	0.270	587.4	0.0000	0.0000	OK	1.012	13_OUT	424.1	7.462	0.343	0.5310	
15 minute summer	13_OUT	13	8.331	0.797	424.1	0.0000	0.0000	OK	Flow through pond	49	604.8	0.103	0.000	852.2737	
15 minute summer	14	9	9.800	0.500	23.9	0.0000	0.0000	FLOOD RISK	2.000	15	-23.9	-0.762	-0.791	0.8136	
15 minute summer	15	9	9.800	0.714	210.5	42.3231	0.0000	FLOOD RISK	2.001	16	89.8	1.832	1.848	0.9254	
15 minute summer	16	9	9.800	0.809	89.8	0.0000	0.0000	FLOOD RISK	2.002	17	98.3	2.010	1.985	0.6329	
15 minute summer	17	9	9.800	0.941	158.4	16.5832	0.0000	FLOOD RISK	2.003	18	132.5	1.702	1.695	1.8750	
15 minute summer	18	9	9.800	1.119	241.2	33.9733	0.0000	FLOOD RISK	2.004	19	213.8	1.708	1.699	5.4690	
15 minute summer	19	9	9.800	1.344	459.9	48.1618	0.0000	FLOOD RISK	2.005	20	356.0	1.881	1.886	4.0828	
15 minute summer	20	9	9.800	1.389	356.0	0.0000	0.0000	FLOOD RISK	2.006	21	374.4	2.188	1.892	3.4978	
15 minute summer	21	9	9.800	1.428	374.4	0.0000	0.0000	FLOOD RISK	2.007	22	389.7	2.135	0.639	3.7404	
15 minute summer	22	9	9.800	1.800	503.2	23.2534	0.0000	FLOOD RISK	2.008	23	489.0	2.500	1.598	53.3017	
15 minute summer	23	8	7.750	1.000	489.0	0.0000	0.0000	FLOOD RISK	2.009	24	489.2	3.047	2.491	0.3407	
15 minute summer	24	13	9.714	0.214	489.2	0.0000	0.0000	OK	2.010	24_OUT	489.1	7.027	0.395	0.4798	
15 minute summer	24_OUT	13	8.662	1.128	489.1	0.0000	0.0000	OK	Flow through pond	49	604.8	0.103	0.000	852.2737	
15 minute summer	25	11	9.056	0.260	18.3	0.1686	0.0000	SURCHARGED	3.000	26	16.6	0.971	0.927	0.6227	
15 minute summer	26	13	8.742	0.307	34.0	4.5373	0.0000	SURCHARGED	3.001	27	16.0	0.987	1.007	0.7028	
									Infiltration		3.1				
15 minute summer	27	14	8.377	0.282	33.9	4.1557	0.0000	SURCHARGED	3.002	28	19.1	1.183	0.948	0.5744	
									Infiltration		3.3				
15 minute summer	28	14	7.999	0.304	36.2	3.5700	0.0000	SURCHARGED	3.003	29	23.5	1.347	0.994	0.6315	
									Infiltration		2.5				
15 minute summer	29	12	7.358	0.293	39.9	2.4856	0.0000	SURCHARGED	3.004	30	32.1	1.823	1.154	0.1195	
									Infiltration		2.0				
15 minute summer	30	25	7.090	0.255	34.8	0.9318	0.0000	OK	3.005	31	33.1	0.380	0.014	5.4522	
15 minute summer	31	25	7.091	0.396	36.4	0.0475	0.0000	OK	3.006	32	31.3	0.246	0.018	5.4127	
									Infiltration		2.2				

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15 minute summer	32	25	7.092	0.447	34.8	0.0538	0.0000	OK	3.007	33	27.8	0.194	0.019	4.7505
									Infiltration		1.7			
									Infiltration		1.8			
15 minute summer	33	25	7.093	0.318	31.1	0.0381	0.0000	OK	3.008	34	26.9	0.385	0.019	3.8861
15 minute summer	34	25	7.093	0.348	30.2	0.0417	0.0000	OK	3.009	35	21.9	0.382	0.009	3.3492
									Infiltration		1.5			
15 minute summer	35	25	7.094	0.419	25.3	0.0503	0.0000	OK	3.010	36	9.3	0.085	0.003	6.5668
									Infiltration		1.2			
15 minute summer	36	25	7.093	0.568	12.7	0.0670	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.9			
15 minute summer	37	17	6.629	0.124	6.4	0.0149	0.0000	OK	3.012	38	-4.5	0.082	-0.001	4.3902
15 minute summer	38	18	6.631	0.366	22.5	0.0439	0.0000	OK	3.013	39	-16.8	-0.157	-0.011	3.0661
									Infiltration		1.4			
									Infiltration		2.0			
15 minute summer	39	17	6.632	0.177	18.0	0.0212	0.0000	OK	3.014	40	-14.7	-0.475	-0.010	0.8972
									Infiltration		0.6			
15 minute summer	40	11	6.745	0.050	14.8	0.0060	0.0000	OK	3.015	41	-11.5	-0.437	-0.008	0.3482
									Infiltration		0.0			
15 minute summer	41	11	6.912	0.047	11.8	0.0057	0.0000	OK	3.016	42	-8.5	-0.375	-0.006	0.2913
									Infiltration		0.0			
15 minute summer	42	11	7.121	0.036	8.8	0.0043	0.0000	OK	3.017	43	-5.3	-0.248	-0.004	0.2793
									Infiltration		0.1			
15 minute summer	43	11	7.187	0.042	5.4	0.0051	0.0000	OK	3.018	44	-2.0	-0.123	-0.001	0.2158
									Infiltration		0.1			
15 minute summer	44	11	7.246	0.021	3.4	0.0025	0.0000	OK	3.019	45	1.3	0.089	0.001	0.1774
15 minute summer	45	11	7.230	0.035	4.7	0.0042	0.0000	OK	3.020	46	4.5	0.229	0.002	0.2571
									Infiltration		0.1			
15 minute summer	46	11	7.183	0.038	7.5	0.0046	0.0000	OK	3.021	47	7.7	0.335	0.002	0.3225
									Infiltration		0.1			
15 minute summer	47	11	7.011	0.046	11.0	0.0056	0.0000	OK	3.022	48	10.9	0.263	0.003	0.6712
									Infiltration		0.0			
15 minute summer	48	20	6.932	0.137	14.2	0.0165	0.0000	OK	3.023	53	13.8	0.296	0.017	1.2583
									Infiltration		0.1			
15 minute summer	49	41	7.618	-0.382	804.1	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
15 minute summer	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
15 minute summer	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
15 minute summer	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
15 minute summer	53	19	6.933	0.148	16.8	0.0178	0.0000	OK	3.024	54	16.1	0.303	0.005	2.4058
									Infiltration		0.2			
15 minute summer	54	22	6.933	0.308	18.4	0.0389	0.0000	OK	3.025	54_OUT	9.2	0.107	0.003	4.8218
									Infiltration		0.3			
15 minute summer	54_OUT	20	6.934	0.429	12.8	0.0515	0.0000	OK	Infiltration		0.4			

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15 minute summer	55	13	8.834	0.368	9.7	0.1318	0.0000	SURCHARGED	5.000	56	8.1	0.495	1.099	0.2949
15 minute summer	56	13	8.822	0.406	17.8	2.0132	0.0000	SURCHARGED	5.001	57	10.6	0.643	0.847	0.3709
									Infiltration		0.3			
15 minute summer	57	13	8.749	0.439	19.7	2.4752	0.0000	SURCHARGED	5.002	58	12.9	0.732	1.697	0.5462
									Infiltration		0.4			
15 minute summer	58	15	8.579	0.334	21.3	2.7542	0.0000	SURCHARGED	5.003	59	14.4	0.817	1.939	0.3905
									Infiltration		0.6			
15 minute summer	59	25	8.483	0.278	23.0	1.8839	0.0000	OK	5.004	60	16.0	0.209	0.023	7.8654
									Infiltration		0.4			
15 minute summer	60	25	8.483	0.298	25.7	0.1014	0.0000	OK	5.005	61	5.0	0.085	0.005	12.0950
									Infiltration		0.5			
15 minute summer	61	25	8.483	0.347	14.3	0.1151	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.7			
15 minute summer	62	11	8.190	0.054	9.7	0.0164	0.0000	OK	5.007	63	8.7	0.173	0.004	8.4079
15 minute summer	63	20	8.086	0.250	20.8	0.0850	0.0000	OK	5.008	63_OUT	-4.5	-0.086	-0.003	5.5591
									Infiltration		0.6			
15 minute summer	63_OUT	23	8.086	0.321	9.7	0.1091	0.0000	OK	Infiltration		0.4			
15 minute summer	64	19	6.405	0.220	4.6	0.0353	0.0000	OK	6.000	65	3.1	0.114	0.001	1.9590
15 minute summer	65	20	6.405	0.280	7.3	0.0449	0.0000	OK	6.001	66	-2.2	0.084	-0.001	2.8377
									Infiltration		0.1			
15 minute summer	66	18	6.405	0.312	7.1	0.0493	0.0000	OK	6.002	67	-2.5	0.032	-0.002	1.6718
									Infiltration		0.2			
15 minute summer	67	18	6.405	0.329	4.6	0.0510	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
15 minute summer	68	11	6.104	0.028	4.8	0.0043	0.0000	OK	6.004	69	4.5	0.091	0.001	3.7974
15 minute summer	69	19	6.086	0.321	9.0	0.0514	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
15 minute summer	70	20	5.905	0.150	4.5	0.0240	0.0000	OK	6.006	71	3.3	0.121	0.001	1.1755
15 minute summer	71	19	5.905	0.220	7.7	0.0352	0.0000	OK	6.007	72	1.3	0.030	0.001	3.8823
									Infiltration		0.1			
15 minute summer	72	18	5.904	0.219	5.7	0.0351	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
15 minute summer	73	19	6.038	0.333	4.6	0.0532	0.0000	OK	6.009	74	1.9	0.055	0.001	1.5558
15 minute summer	74	19	6.037	0.332	6.2	0.0532	0.0000	OK	6.010	75	1.9	0.123	0.001	1.8697
									Infiltration		0.1			
15 minute summer	75	19	6.036	0.331	6.9	0.0530	0.0000	OK	6.011	76	2.7	0.094	0.001	2.0832
									Infiltration		0.1			
15 minute summer	76	19	6.037	0.402	6.5	0.0611	0.0000	OK	6.012	76_OUT	-2.1	0.013	-0.001	2.1979
									Infiltration		0.1			
15 minute summer	76_OUT	19	6.037	0.402	4.8	0.0643	0.0000	OK	Infiltration		0.1			

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Results for 100 year +30% 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 98.65%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	1	10	9.800	0.500	15.1	0.0000	0.0000	FLOOD RISK	1.000	2	-15.1	-0.483	-0.893	0.4653	
15 minute winter	2	10	9.800	0.550	30.8	0.0000	0.0000	FLOOD RISK	1.001	3	-30.8	-0.985	-1.550	1.1264	
15 minute winter	3	9	9.800	0.650	44.4	0.0000	0.0000	FLOOD RISK	1.002	4	-44.4	-1.418	-2.098	0.4986	
15 minute winter	4	8	9.800	0.700	59.6	0.0000	0.0000	FLOOD RISK	1.003	5	-59.6	-1.906	-2.591	0.8441	
15 minute winter	5	8	9.800	0.800	77.6	0.0000	0.0000	FLOOD RISK	1.004	6	-77.6	-2.480	-2.075	0.1621	
15 minute winter	6	8	9.800	0.900	227.2	47.8529	0.0000	FLOOD RISK	1.005	7	105.7	2.161	2.180	0.7796	
15 minute winter	7	8	9.800	1.050	154.9	24.0788	0.0000	FLOOD RISK	1.006	8	140.2	1.800	1.998	2.4923	
15 minute winter	8	8	9.800	1.250	350.7	41.0338	0.0000	FLOOD RISK	1.007	9	251.4	2.008	2.323	5.9230	
15 minute winter	9	9	9.800	1.450	674.2	57.2609	0.0000	FLOOD RISK	1.008	10	541.4	2.756	2.284	3.1360	
15 minute winter	10	9	9.800	1.500	621.2	10.3287	0.0000	FLOOD RISK	1.009	11	425.3	2.207	2.879	47.8613	
15 minute winter	11	11	9.800	1.500	425.3	0.0000	0.0000	FLOOD RISK	1.010	12	389.4	1.991	1.352	50.3278	
15 minute winter	12	11	7.750	1.000	389.4	0.0000	0.0000	FLOOD RISK	1.011	13	575.5	3.623	2.931	0.3748	
15 minute winter	13	12	9.770	0.270	575.5	0.0000	0.0000	OK	1.012	13_OUT	483.4	7.236	0.375	0.5493	
15 minute winter	13_OUT	15	6.444	0.910	483.4	0.0000	0.0000	OK	Flow through pond	49	818.2	0.122	0.000	991.4883	
15 minute winter	14	8	9.800	0.500	26.3	0.0000	0.0000	FLOOD RISK	2.000	15	-26.3	-0.841	-0.873	0.8138	
15 minute winter	15	8	9.800	0.714	222.9	48.2890	0.0000	FLOOD RISK	2.001	16	97.2	1.989	2.006	0.9254	
15 minute winter	16	9	9.800	0.809	97.2	0.0000	0.0000	FLOOD RISK	2.002	17	197.5	2.198	2.181	0.6320	
15 minute winter	17	9	9.800	0.941	146.0	18.6168	0.0000	FLOOD RISK	2.003	18	143.7	1.846	1.838	1.8750	
15 minute winter	18	8	9.800	1.119	221.8	37.9066	0.0000	FLOOD RISK	2.004	19	230.5	1.841	1.831	5.4890	
15 minute winter	19	8	9.800	1.344	454.7	53.8142	0.0000	FLOOD RISK	2.005	20	398.9	2.029	2.013	4.0628	
15 minute winter	20	8	9.800	1.389	398.9	0.0000	0.0000	FLOOD RISK	2.006	21	491.2	2.370	2.025	3.4979	
15 minute winter	21	8	9.800	1.428	491.2	0.0000	0.0000	FLOOD RISK	2.007	22	405.4	2.091	0.883	3.7404	
15 minute winter	22	8	9.800	1.800	535.9	25.6468	0.0000	FLOOD RISK	2.008	23	523.0	2.574	1.518	53.3017	
15 minute winter	23	8	7.750	1.000	523.0	0.0000	0.0000	FLOOD RISK	2.009	24	546.6	3.470	2.785	0.3458	
15 minute winter	24	13	9.723	0.223	546.6	0.0000	0.0000	OK	2.010	24_OUT	522.9	6.274	0.423	0.5038	
15 minute winter	24_OUT	13	8.785	1.252	522.9	0.0000	0.0000	OK	Flow through pond	49	818.2	0.122	0.000	991.4883	
15 minute winter	25	11	9.116	0.320	19.2	0.2050	0.0000	SURCHARGED	3.000	26	17.6	1.000	0.982	0.8227	
15 minute winter	26	14	8.768	0.333	35.7	5.3440	0.0000	SURCHARGED	3.001	27	16.6	0.982	1.047	0.7026	
									Infiltration		3.4				
15 minute winter	27	15	8.399	0.284	34.9	4.8994	0.0000	SURCHARGED	3.002	28	20.3	1.193	1.909	0.5744	
									Infiltration		3.6				
15 minute winter	28	14	8.023	0.328	37.0	4.1602	0.0000	SURCHARGED	3.003	29	23.2	1.329	0.983	0.8315	
									Infiltration		2.8				
15 minute winter	29	13	7.372	0.307	40.8	2.7227	0.0000	SURCHARGED	3.004	30	32.8	1.863	1.180	0.1195	
									Infiltration		2.1				
15 minute winter	30	27	7.116	0.291	35.5	0.0349	0.0000	OK	3.005	31	33.9	0.395	0.014	8.9523	
15 minute winter	31	27	7.117	0.422	37.3	0.0508	0.0000	OK	3.006	32	30.9	0.254	0.018	5.8975	
									Infiltration		2.3				

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15 minute winter	32	27	7.117	0.472	34.3	0.0566	0.0000	OK	3.007	33	27.1	0.197	0.018	5.2025
									Infiltration		1.8			
									Infiltration		1.9			
15 minute winter	33	27	7.118	0.343	30.5	0.0411	0.0000	OK	3.008	34	26.8	0.388	0.018	4.0582
15 minute winter	34	27	7.117	0.372	30.4	0.0447	0.0000	OK	3.009	35	20.6	0.371	0.005	3.6677
									Infiltration		1.5			
15 minute winter	35	27	7.120	0.445	24.2	0.0533	0.0000	OK	3.010	36	10.9	0.097	0.003	7.0610
									Infiltration		1.3			
15 minute winter	36	25	7.118	0.513	14.3	0.0898	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		2.0			
15 minute winter	37	18	6.656	0.151	10.2	0.0181	0.0000	OK	3.012	38	-7.4	0.086	-0.002	4.8464
15 minute winter	38	17	6.653	0.388	19.9	0.0465	0.0000	OK	3.013	39	-13.6	-0.189	-0.009	3.3944
									Infiltration		1.4			
									Infiltration		2.1			
15 minute winter	39	17	6.652	0.197	18.9	0.0237	0.0000	OK	3.014	40	-15.5	-0.463	-0.010	1.0359
									Infiltration		0.7			
15 minute winter	40	11	6.746	0.051	15.6	0.0062	0.0000	OK	3.015	41	-12.2	-0.444	-0.008	0.3592
									Infiltration		0.0			
15 minute winter	41	11	6.914	0.049	12.2	0.0058	0.0000	OK	3.016	42	-8.8	-0.381	-0.006	0.3002
									Infiltration		0.0			
15 minute winter	42	11	7.122	0.037	8.8	0.0044	0.0000	OK	3.017	43	-5.5	-0.253	-0.004	0.2874
									Infiltration		0.1			
15 minute winter	43	11	7.189	0.044	5.7	0.0052	0.0000	OK	3.018	44	-2.1	-0.125	-0.001	0.2218
									Infiltration		0.1			
15 minute winter	44	10	7.248	0.021	3.6	0.0025	0.0000	OK	3.019	45	1.3	0.090	0.001	0.1823
15 minute winter	45	11	7.231	0.038	4.9	0.0043	0.0000	OK	3.020	46	4.7	0.233	0.002	0.2646
									Infiltration		0.1			
15 minute winter	46	11	7.184	0.039	6.2	0.0047	0.0000	OK	3.021	47	8.1	0.340	0.003	0.3324
									Infiltration		0.1			
15 minute winter	47	11	7.013	0.048	11.5	0.0057	0.0000	OK	3.022	48	11.4	0.267	0.004	0.8022
									Infiltration		0.0			
15 minute winter	48	21	6.954	0.159	14.8	0.0191	0.0000	OK	3.023	53	14.3	0.302	0.018	1.5065
									Infiltration		0.2			
15 minute winter	49	34	7.635	-0.365	891.6	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
15 minute winter	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
15 minute winter	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
15 minute winter	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
15 minute winter	53	20	6.955	0.176	17.7	0.0205	0.0000	OK	3.024	54	17.1	0.320	0.005	2.7109
									Infiltration		0.2			
15 minute winter	54	18	6.954	0.329	20.5	0.0395	0.0000	OK	3.025	54_OUT	11.6	0.103	0.004	5.2398
									Infiltration		0.3			
15 minute winter	54_OUT	21	6.956	0.451	15.0	0.0542	0.0000	OK	Infiltration		0.4			

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15 minute winter	55	13	8.893	0.447	10.2	0.1521	0.0000	SURCHARGED	5.000	56	8.5	0.484	1.149	0.2949
15 minute winter	56	13	8.875	0.459	18.7	2.2985	0.0000	SURCHARGED	5.001	57	11.0	0.626	0.879	0.3709
									Infiltration		0.4			
15 minute winter	57	14	8.804	0.484	20.5	2.8428	0.0000	SURCHARGED	5.002	58	13.4	0.759	1.865	0.5462
									Infiltration		0.4			
15 minute winter	58	15	8.619	0.374	22.0	3.1460	0.0000	SURCHARGED	5.003	59	15.0	0.849	2.015	0.3906
									Infiltration		0.6			
15 minute winter	59	28	8.508	0.303	23.7	1.8708	0.0000	OK	5.004	60	16.5	0.214	0.023	8.5296
									Infiltration		0.4			
15 minute winter	60	25	8.508	0.323	28.7	0.1100	0.0000	OK	5.005	61	4.4	0.084	0.005	13.4358
									Infiltration		0.5			
15 minute winter	61	28	8.508	0.372	14.6	0.1268	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.6			
15 minute winter	62	11	8.192	0.056	10.2	0.0190	0.0000	OK	5.007	63	8.2	0.180	0.005	7.2288
15 minute winter	63	21	8.110	0.274	21.6	0.0930	0.0000	OK	5.008	63_OUT	-3.5	-0.058	-0.002	6.2152
									Infiltration		0.6			
15 minute winter	63_OUT	23	8.110	0.345	10.2	0.1174	0.0000	OK	Infiltration		0.4			
15 minute winter	64	20	8.431	0.246	4.8	0.0394	0.0000	OK	8.000	65	2.4	0.122	0.001	2.2381
15 minute winter	65	19	8.431	0.306	6.9	0.0489	0.0000	OK	8.001	66	-1.9	0.068	-0.001	3.1815
									Infiltration		0.1			
15 minute winter	66	19	8.430	0.337	7.4	0.0533	0.0000	OK	8.002	67	-2.5	0.034	-0.002	1.8558
									Infiltration		0.2			
15 minute winter	67	19	8.430	0.354	4.8	0.0549	0.0000	OK	8.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
15 minute winter	68	11	8.104	0.028	4.8	0.0044	0.0000	OK	8.004	69	4.8	0.092	0.001	4.2096
15 minute winter	69	19	8.104	0.339	9.3	0.0542	0.0000	OK	8.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
15 minute winter	70	18	5.924	0.169	4.8	0.0270	0.0000	OK	8.006	71	3.5	0.120	0.001	1.3287
15 minute winter	71	18	5.924	0.239	6.3	0.0382	0.0000	OK	8.007	72	1.5	0.033	0.001	4.3411
									Infiltration		0.1			
15 minute winter	72	19	5.924	0.239	6.3	0.0383	0.0000	OK	8.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
15 minute winter	73	19	5.068	0.363	4.8	0.0582	0.0000	OK	8.009	74	2.8	0.054	0.002	1.8749
15 minute winter	74	19	5.068	0.363	7.3	0.0580	0.0000	OK	8.010	75	2.5	0.139	0.002	2.1174
									Infiltration		0.1			
15 minute winter	75	20	5.067	0.362	8.8	0.0579	0.0000	OK	8.011	76	-2.1	0.099	-0.001	2.3152
									Infiltration		0.1			
15 minute winter	76	19	5.068	0.433	5.6	0.0658	0.0000	OK	8.012	76_OUT	-2.1	0.015	-0.001	2.4472
									Infiltration		0.1			
15 minute winter	76_OUT	19	5.068	0.433	4.8	0.0692	0.0000	OK	Infiltration		0.1			

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Results for 100 year +30% 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 94.83%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	1	17	9.800	0.500	16.2	0.0000	0.0000	FLOOD RISK	1.000	2	-16.2	-0.517	-0.739	0.4653	
30 minute summer	2	17	9.800	0.550	32.4	0.0000	0.0000	FLOOD RISK	1.001	3	-32.4	-1.036	-1.631	1.1254	
30 minute summer	3	16	9.800	0.650	49.1	0.0000	0.0000	FLOOD RISK	1.002	4	-49.1	-1.568	-2.320	0.4858	
30 minute summer	4	15	9.800	0.700	66.0	0.0000	0.0000	FLOOD RISK	1.003	5	-66.0	-2.107	-2.864	0.5441	
30 minute summer	5	15	9.800	0.800	82.8	0.0000	0.0000	FLOOD RISK	1.004	6	-82.8	-2.639	-2.209	0.1621	
30 minute summer	6	15	9.800	0.900	265.5	50.2582	0.0000	FLOOD RISK	1.005	7	98.0	2.005	2.023	0.7796	
30 minute summer	7	15	9.800	1.050	145.9	25.1534	0.0000	FLOOD RISK	1.006	8	137.1	1.751	1.952	2.4923	
30 minute summer	8	15	9.800	1.250	280.3	42.5565	0.0000	FLOOD RISK	1.007	9	214.5	1.714	1.983	5.9230	
30 minute summer	9	15	9.800	1.450	537.1	59.5299	0.0000	FLOOD RISK	1.008	10	433.3	2.215	1.828	3.1360	
30 minute summer	10	15	9.800	1.500	496.9	10.7031	0.0000	FLOOD RISK	1.009	11	399.1	2.040	2.701	47.8613	
30 minute summer	11	17	9.800	1.800	399.1	0.0000	0.0000	FLOOD RISK	1.010	12	398.8	2.039	1.385	53.3278	
30 minute summer	12	15	7.750	1.000	398.8	0.0000	0.0000	FLOOD RISK	1.011	13	588.9	3.817	2.999	0.3783	
30 minute summer	13	21	9.776	0.276	588.9	0.0000	0.0000	OK	1.012	13_OUT	483.7	7.428	0.391	0.5593	
30 minute summer	13_OUT	20	8.368	0.855	483.7	0.0000	0.0000	OK	Flow through pond	49	586.7	0.084	0.000	1219.3942	
30 minute summer	14	15	9.800	0.500	22.3	0.0000	0.0000	FLOOD RISK	2.000	15	-22.3	-0.713	-0.741	0.8136	
30 minute summer	15	15	9.800	0.714	160.9	46.9790	0.0000	FLOOD RISK	2.001	16	92.7	1.695	1.912	0.9254	
30 minute summer	16	15	9.800	0.809	92.7	0.0000	0.0000	FLOOD RISK	2.002	17	109.1	2.046	2.031	0.5320	
30 minute summer	17	15	9.800	0.941	131.2	18.2316	0.0000	FLOOD RISK	2.003	18	137.5	1.756	1.759	1.8750	
30 minute summer	18	15	9.800	1.119	218.2	37.0771	0.0000	FLOOD RISK	2.004	19	225.3	1.800	1.790	5.4890	
30 minute summer	19	15	9.800	1.344	440.8	52.1147	0.0000	FLOOD RISK	2.005	20	390.5	1.998	1.980	4.0628	
30 minute summer	20	15	9.800	1.389	390.5	0.0000	0.0000	FLOOD RISK	2.006	21	394.8	2.027	1.995	3.4979	
30 minute summer	21	15	9.800	1.428	394.8	0.0000	0.0000	FLOOD RISK	2.007	22	399.9	2.044	0.671	3.7404	
30 minute summer	22	15	9.800	1.800	522.5	24.9207	0.0000	FLOOD RISK	2.008	23	514.1	2.629	1.785	53.3017	
30 minute summer	23	12	7.750	1.000	514.1	0.0000	0.0000	FLOOD RISK	2.009	24	514.2	3.178	2.619	0.3444	
30 minute summer	24	21	9.720	0.220	514.2	0.0000	0.0000	OK	2.010	24_OUT	514.3	6.851	0.416	0.4874	
30 minute summer	24_OUT	21	8.755	1.222	514.3	0.0000	0.0000	OK	Flow through pond	49	586.7	0.084	0.000	1219.3942	
30 minute summer	25	19	8.999	0.200	16.8	0.1301	0.0000	SURCHARGED	3.000	26	16.1	0.945	0.897	0.6227	
30 minute summer	26	21	8.740	0.305	32.9	4.4903	0.0000	SURCHARGED	3.001	27	16.0	0.985	1.010	0.7026	
									Infiltration		3.1				
30 minute summer	27	23	8.364	0.269	32.4	4.3917	0.0000	SURCHARGED	3.002	28	18.7	1.194	0.925	0.5744	
									Infiltration		3.4				
30 minute summer	28	22	8.007	0.312	34.7	3.7607	0.0000	SURCHARGED	3.003	29	23.7	1.360	1.003	0.6315	
									Infiltration		2.6				
30 minute summer	29	20	7.358	0.293	38.5	2.4892	0.0000	SURCHARGED	3.004	30	32.1	1.824	1.155	0.1195	
									Infiltration		2.0				
30 minute summer	30	36	7.151	0.338	34.7	0.0404	0.0000	OK	3.005	31	30.9	0.303	0.013	7.1677	
30 minute summer	31	36	7.152	0.467	33.8	0.0560	0.0000	OK	3.006	32	27.0	0.208	0.015	6.8047	
									Infiltration		2.5				

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30 minute summer	32	36	7.162	0.517	29.9	0.0621	0.0000	OK	3.007	33	23.8	0.184	0.016	6.0545
									Infiltration		1.9			
									Infiltration		2.0			
30 minute summer	33	35	7.152	0.357	26.7	0.0485	0.0000	OK	3.008	34	22.7	0.354	0.016	4.8073
30 minute summer	34	37	7.163	0.418	25.8	0.0501	0.0000	OK	3.009	35	17.1	0.333	0.007	4.2578
									Infiltration		1.7			
30 minute summer	35	38	7.162	0.487	19.4	0.0585	0.0000	OK	3.010	36	11.2	0.098	0.003	7.9670
									Infiltration		1.3			
30 minute summer	36	37	7.153	0.558	14.1	0.0750	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		2.1			
30 minute summer	37	29	6.665	0.160	7.9	0.0192	0.0000	OK	3.012	38	-4.7	0.070	-0.002	5.1090
30 minute summer	38	26	6.688	0.401	16.5	0.0451	0.0000	OK	3.013	39	-12.9	-0.127	-0.009	3.5993
									Infiltration		1.5			
									Infiltration		2.2			
30 minute summer	39	27	6.667	0.212	16.9	0.0254	0.0000	OK	3.014	40	-13.9	-0.424	-0.009	1.1186
									Infiltration		0.8			
30 minute summer	40	19	6.743	0.048	14.1	0.0058	0.0000	OK	3.015	41	-10.9	-0.427	-0.007	0.3344
									Infiltration		0.0			
30 minute summer	41	19	6.910	0.045	11.1	0.0054	0.0000	OK	3.016	42	-7.9	-0.367	-0.005	0.2790
									Infiltration		0.0			
30 minute summer	42	18	7.120	0.035	8.1	0.0041	0.0000	OK	3.017	43	-4.9	-0.243	-0.003	0.2684
									Infiltration		0.1			
30 minute summer	43	18	7.186	0.041	5.1	0.0049	0.0000	OK	3.018	44	-1.9	-0.120	-0.001	0.2083
									Infiltration		0.1			
30 minute summer	44	18	7.245	0.020	3.2	0.0024	0.0000	OK	3.019	45	1.2	0.087	0.001	0.1713
30 minute summer	45	18	7.229	0.034	4.4	0.0040	0.0000	OK	3.020	46	4.2	0.225	0.002	0.2472
									Infiltration		0.1			
30 minute summer	46	18	7.182	0.037	7.4	0.0044	0.0000	OK	3.021	47	7.2	0.328	0.002	0.3089
									Infiltration		0.1			
30 minute summer	47	19	7.010	0.045	10.4	0.0054	0.0000	OK	3.022	48	10.2	0.257	0.003	1.0030
									Infiltration		0.0			
30 minute summer	48	33	6.985	0.190	13.3	0.0228	0.0000	OK	3.023	53	12.7	0.270	0.016	1.3578
									Infiltration		0.2			
30 minute summer	49	49	7.658	-0.342	744.1	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
30 minute summer	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
30 minute summer	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
30 minute summer	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
30 minute summer	53	34	6.985	0.200	15.9	0.0240	0.0000	OK	3.024	54	12.5	0.229	0.004	3.1524
									Infiltration		0.2			
30 minute summer	54	33	6.985	0.350	15.7	0.0432	0.0000	OK	3.025	54_OUT	5.1	0.084	0.002	5.8291
									Infiltration		0.3			
30 minute summer	54_OUT	35	6.985	0.460	9.3	0.0576	0.0000	OK	Infiltration		0.4			

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30 minute summer	55	21	8.849	0.403	8.9	0.1372	0.0000	SURCHARGED	5.000	56	7.7	0.467	1.037	0.2949
30 minute summer	56	21	8.837	0.421	16.6	2.8932	0.0000	SURCHARGED	5.001	57	10.1	0.599	0.867	0.3709
									Infiltration		0.3			
30 minute summer	57	22	8.775	0.465	18.8	2.6534	0.0000	SURCHARGED	5.002	58	12.4	0.703	1.544	0.5482
									Infiltration		0.4			
30 minute summer	58	23	8.629	0.575	29.0	3.1560	0.0000	SURCHARGED	5.003	59	13.9	0.791	1.877	0.3906
									Infiltration		0.6			
30 minute summer	59	36	8.549	0.344	21.4	2.1589	0.0000	OK	5.004	60	11.8	0.151	0.017	10.4860
									Infiltration		0.4			
30 minute summer	60	36	8.550	0.365	28.7	0.1240	0.0000	OK	5.005	61	3.7	0.081	0.004	15.7547
									Infiltration		0.6			
30 minute summer	61	35	8.550	0.414	11.5	0.1407	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.8			
30 minute summer	62	19	8.168	0.052	8.9	0.0178	0.0000	OK	5.007	63	8.2	0.122	0.004	8.4421
30 minute summer	63	34	8.147	0.311	19.3	0.1056	0.0000	OK	5.008	63_OUT	-2.4	0.047	-0.002	7.2574
									Infiltration		0.7			
30 minute summer	63_OUT	34	8.148	0.381	8.9	0.1297	0.0000	OK	Infiltration		0.4			
30 minute summer	64	33	6.469	0.284	4.2	0.0454	0.0000	OK	6.000	65	2.0	0.085	0.001	2.8692
30 minute summer	65	34	6.468	0.343	6.8	0.0549	0.0000	OK	6.001	66	-1.5	0.072	-0.001	3.7220
									Infiltration		0.2			
30 minute summer	66	34	6.469	0.378	6.2	0.0593	0.0000	OK	6.002	67	-2.0	0.034	-0.001	2.1558
									Infiltration		0.2			
30 minute summer	67	34	6.469	0.393	4.2	0.0609	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
30 minute summer	68	32	6.129	0.053	4.2	0.0082	0.0000	OK	6.004	69	4.1	0.079	0.001	4.8338
30 minute summer	69	34	6.129	0.354	8.3	0.0582	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
30 minute summer	70	33	5.951	0.196	4.2	0.0314	0.0000	OK	6.006	71	2.5	0.103	0.001	1.5654
30 minute summer	71	33	5.952	0.287	6.7	0.0426	0.0000	OK	6.007	72	1.0	0.023	0.001	5.0202
									Infiltration		0.1			
30 minute summer	72	34	5.951	0.266	4.7	0.0429	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
30 minute summer	73	34	6.116	0.411	4.2	0.0657	0.0000	OK	6.009	74	1.9	0.041	0.001	2.2376
30 minute summer	74	34	6.116	0.411	6.1	0.0657	0.0000	OK	6.010	75	1.1	0.099	0.001	2.5341
									Infiltration		0.1			
30 minute summer	75	34	6.116	0.411	5.5	0.0657	0.0000	OK	6.011	76	1.7	0.072	0.001	2.7384
									Infiltration		0.1			
30 minute summer	76	34	6.116	0.481	5.5	0.0731	0.0000	OK	6.012	76_OUT	-1.4	-0.012	-0.001	2.8603
									Infiltration		0.1			
30 minute summer	76_OUT	34	6.116	0.481	4.2	0.0769	0.0000	OK	Infiltration		0.1			

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Results for 100 year +30% 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 98.80%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	1	15	9.800	0.500	14.8	0.0000	0.0000	FLOOD RISK	1.000	2	-14.8	-0.477	-0.681	0.4853	
30 minute winter	2	15	9.800	0.550	29.6	0.0000	0.0000	FLOOD RISK	1.001	3	-29.6	-0.953	-1.500	1.1264	
30 minute winter	3	15	9.800	0.650	44.6	0.0000	0.0000	FLOOD RISK	1.002	4	-44.6	-1.424	-2.107	0.4988	
30 minute winter	4	15	9.800	0.700	59.6	0.0000	0.0000	FLOOD RISK	1.003	5	-59.6	-1.905	-2.590	0.8441	
30 minute winter	5	14	9.800	0.800	75.7	0.0000	0.0000	FLOOD RISK	1.004	6	-75.7	-2.419	-2.024	0.1621	
30 minute winter	6	14	9.800	0.900	234.8	58.7555	0.0000	FLOOD RISK	1.005	7	105.6	2.161	2.180	0.7798	
30 minute winter	7	14	9.800	1.050	126.5	28.1970	0.0000	FLOOD RISK	1.006	8	148.0	1.900	2.107	2.4923	
30 minute winter	8	14	9.800	1.250	249.9	47.2410	0.0000	FLOOD RISK	1.007	9	231.6	1.850	2.140	5.8230	
30 minute winter	9	15	9.800	1.450	474.9	65.5036	0.0000	FLOOD RISK	1.008	10	395.2	2.020	1.667	3.1360	
30 minute winter	10	15	9.800	1.500	448.7	11.7911	0.0000	FLOOD RISK	1.009	11	428.5	2.181	2.886	47.8613	
30 minute winter	11	15	9.800	1.500	428.5	0.0000	0.0000	FLOOD RISK	1.010	12	428.1	2.179	1.486	53.3278	
30 minute winter	12	14	7.750	1.000	425.1	0.0000	0.0000	FLOOD RISK	1.011	13	551.4	3.735	2.508	0.3718	
30 minute winter	13	18	9.765	0.265	551.4	0.0000	0.0000	OK	1.012	13_OUT	485.6	7.431	0.378	0.4974	
30 minute winter	13_OUT	21	6.517	0.984	485.6	0.0000	0.0000	OK	Flow through pond	49	808.8	0.095	0.000	1414.9606	
30 minute winter	14	14	9.800	0.500	16.4	0.0000	0.0000	FLOOD RISK	2.000	15	-16.4	-0.524	-0.544	0.8135	
30 minute winter	15	14	9.800	0.714	158.3	49.8730	0.0000	FLOOD RISK	2.001	16	95.0	1.943	1.969	0.9254	
30 minute winter	16	14	9.800	0.809	95.0	0.0000	0.0000	FLOOD RISK	2.002	17	102.4	2.094	2.078	0.6320	
30 minute winter	17	14	9.800	0.941	116.0	19.1854	0.0000	FLOOD RISK	2.003	18	140.8	1.808	1.801	1.8750	
30 minute winter	18	14	9.800	1.119	219.9	38.7931	0.0000	FLOOD RISK	2.004	19	232.2	1.855	1.844	5.4690	
30 minute winter	19	13	9.800	1.344	438.2	54.3572	0.0000	FLOOD RISK	2.005	20	404.0	2.085	2.048	4.0828	
30 minute winter	20	14	9.800	1.389	404.0	0.0000	0.0000	FLOOD RISK	2.006	21	406.2	2.196	2.053	3.4979	
30 minute winter	21	14	9.800	1.428	406.2	0.0000	0.0000	FLOOD RISK	2.007	22	410.3	2.098	0.888	3.7404	
30 minute winter	22	14	9.800	1.800	533.8	25.9387	0.0000	FLOOD RISK	2.008	23	527.1	2.695	1.830	53.3017	
30 minute winter	23	11	7.750	1.000	527.1	0.0000	0.0000	FLOOD RISK	2.009	24	540.9	3.406	2.755	0.3464	
30 minute winter	24	21	9.724	0.224	540.9	0.0000	0.0000	OK	2.010	24_OUT	527.0	6.228	0.426	0.5067	
30 minute winter	24_OUT	22	8.803	1.269	527.0	0.0000	0.0000	OK	Flow through pond	49	808.8	0.095	0.000	1414.9606	
30 minute winter	25	19	8.912	0.118	15.2	0.0741	0.0000	OK	3.000	26	15.0	0.899	0.835	0.5894	
30 minute winter	26	22	8.744	0.309	30.2	4.6099	0.0000	SURCHARGED	3.001	27	16.7	0.952	1.056	0.7028	
									Infiltration		3.2				
30 minute winter	27	24	8.399	0.284	30.7	4.8848	0.0000	SURCHARGED	3.002	28	19.0	1.199	0.940	0.5744	
									Infiltration		3.6				
30 minute winter	28	23	8.021	0.326	33.0	4.1108	0.0000	SURCHARGED	3.003	29	23.6	1.346	1.001	0.6315	
									Infiltration		2.7				
30 minute winter	29	21	7.358	0.293	37.1	2.4888	0.0000	SURCHARGED	3.004	30	32.1	1.821	1.153	0.1195	
									Infiltration		2.0				
30 minute winter	30	38	7.192	0.367	34.5	0.0441	0.0000	OK	3.005	31	30.7	0.324	0.013	7.9693	
30 minute winter	31	38	7.193	0.498	33.2	0.0597	0.0000	OK	3.006	32	28.5	0.225	0.015	7.4513	
									Infiltration		2.6				

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30 minute winter	32	38	7.193	0.548	28.9	0.0657	0.0000	OK	3.007	33	23.5	0.179	0.016	8.6678
									Infiltration		2.0			
									Infiltration		2.1			
30 minute winter	33	38	7.193	0.418	25.9	0.0502	0.0000	OK	3.008	34	22.7	0.386	0.015	5.3429
30 minute winter	34	38	7.192	0.447	25.1	0.0537	0.0000	OK	3.009	35	17.5	0.344	0.007	4.6924
									Infiltration		1.8			
30 minute winter	35	38	7.194	0.519	19.6	0.0623	0.0000	OK	3.010	36	9.6	0.190	0.003	8.6228
									Infiltration		1.4			
30 minute winter	36	38	7.192	0.587	11.5	0.0784	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		2.2			
30 minute winter	37	29	6.695	0.190	5.4	0.0228	0.0000	OK	3.012	38	-3.3	0.073	-0.001	5.8268
30 minute winter	38	29	6.696	0.431	14.9	0.0517	0.0000	OK	3.013	39	-12.3	-0.138	-0.008	4.0832
									Infiltration		1.6			
									Infiltration		2.3			
30 minute winter	39	28	6.696	0.241	15.6	0.0289	0.0000	OK	3.014	40	-12.8	-0.408	-0.009	1.3059
									Infiltration		0.9			
30 minute winter	40	19	6.741	0.046	12.9	0.0055	0.0000	OK	3.015	41	-10.0	-0.414	-0.007	0.3163
									Infiltration		0.0			
30 minute winter	41	18	6.908	0.043	10.2	0.0052	0.0000	OK	3.016	42	-7.3	-0.356	-0.005	0.2642
									Infiltration		0.0			
30 minute winter	42	18	7.118	0.033	7.4	0.0039	0.0000	OK	3.017	43	-4.5	-0.235	-0.003	0.2537
									Infiltration		0.1			
30 minute winter	43	18	7.184	0.039	4.7	0.0047	0.0000	OK	3.018	44	-1.8	-0.116	-0.001	0.1968
									Infiltration		0.1			
30 minute winter	44	18	7.244	0.019	2.9	0.0023	0.0000	OK	3.019	45	1.1	0.083	0.001	0.1815
30 minute winter	45	18	7.227	0.032	4.0	0.0036	0.0000	OK	3.020	46	3.9	0.217	0.002	0.2335
									Infiltration		0.1			
30 minute winter	46	18	7.160	0.035	5.8	0.0042	0.0000	OK	3.021	47	6.6	0.317	0.002	0.2925
									Infiltration		0.1			
30 minute winter	47	33	7.012	0.047	8.5	0.0056	0.0000	OK	3.022	48	9.3	0.242	0.003	1.2685
									Infiltration		0.0			
30 minute winter	48	33	7.012	0.217	12.2	0.0260	0.0000	OK	3.023	53	10.9	0.255	0.014	2.1942
									Infiltration		0.2			
30 minute winter	49	64	7.681	-0.319	919.7	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
30 minute winter	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
30 minute winter	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
30 minute winter	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
30 minute winter	53	32	7.011	0.225	13.8	0.0271	0.0000	OK	3.024	54	11.0	0.250	0.004	3.5648
									Infiltration		0.3			
30 minute winter	54	32	7.013	0.388	13.7	0.0465	0.0000	OK	3.025	54_OUT	4.6	0.071	0.002	5.3853
									Infiltration		0.3			
30 minute winter	54_OUT	32	7.010	0.505	6.7	0.0608	0.0000	OK	Infiltration		0.4			

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30 minute winter	55	22	8.880	0.434	8.1	0.1477	0.0000	SURCHARGED	5.000	56	7.1	0.449	0.958	0.2949
30 minute winter	56	22	8.867	0.451	15.2	2.2572	0.0000	SURCHARGED	5.001	57	9.8	0.562	0.781	0.3709
									Infiltration		0.4			
30 minute winter	57	23	8.810	0.500	17.6	2.8853	0.0000	SURCHARGED	5.002	58	12.3	0.700	1.535	0.5462
									Infiltration		0.4			
30 minute winter	58	25	8.656	0.413	19.4	3.5202	0.0000	SURCHARGED	5.003	59	14.1	0.798	1.894	0.3908
									Infiltration		0.6			
30 minute winter	59	38	8.581	0.376	20.8	2.3628	0.0000	OK	5.004	60	11.8	0.172	0.017	11.8681
									Infiltration		0.4			
30 minute winter	60	35	8.582	0.397	19.2	0.1348	0.0000	OK	5.005	61	3.7	0.082	0.004	17.6567
									Infiltration		0.6			
30 minute winter	61	38	8.582	0.446	10.7	0.1515	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.9			
30 minute winter	62	19	8.186	0.050	8.1	0.0171	0.0000	OK	5.007	63	7.7	0.131	0.004	9.6387
30 minute winter	63	32	8.170	0.334	17.4	0.1135	0.0000	OK	5.008	63_OUT	-2.4	0.052	-0.001	7.9569
									Infiltration		0.7			
30 minute winter	63_OUT	32	8.170	0.405	8.1	0.1377	0.0000	OK	Infiltration		0.4			
30 minute winter	64	33	6.501	0.315	3.8	0.0505	0.0000	OK	6.000	65	1.8	0.093	0.001	3.0551
30 minute winter	65	33	6.500	0.375	5.6	0.0600	0.0000	OK	6.001	66	-1.9	0.075	-0.001	4.1950
									Infiltration		0.2			
30 minute winter	66	34	6.500	0.407	5.8	0.0643	0.0000	OK	6.002	67	-1.8	0.033	-0.001	2.4161
									Infiltration		0.2			
30 minute winter	67	34	6.500	0.424	3.8	0.0667	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
30 minute winter	68	31	6.150	0.074	3.8	0.0115	0.0000	OK	6.004	69	3.8	0.074	0.001	5.4048
30 minute winter	69	34	6.150	0.385	7.6	0.0615	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
30 minute winter	70	33	5.976	0.221	3.8	0.0353	0.0000	OK	6.006	71	2.2	0.102	0.001	1.7902
30 minute winter	71	33	5.976	0.291	5.6	0.0466	0.0000	OK	6.007	72	1.6	0.025	0.001	5.6545
									Infiltration		0.1			
30 minute winter	72	33	5.976	0.291	4.6	0.0465	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
30 minute winter	73	33	6.154	0.449	3.8	0.0718	0.0000	OK	6.009	74	1.6	0.044	0.001	2.5475
30 minute winter	74	33	6.154	0.449	5.3	0.0718	0.0000	OK	6.010	75	1.4	0.165	0.001	2.8854
									Infiltration		0.1			
30 minute winter	75	34	6.154	0.449	5.4	0.0718	0.0000	OK	6.011	76	1.7	0.078	0.001	3.0912
									Infiltration		0.1			
30 minute winter	76	34	6.154	0.519	5.4	0.0789	0.0000	OK	6.012	76_OUT	-1.6	-0.014	-0.001	3.2090
									Infiltration		0.1			
30 minute winter	76_OUT	33	6.154	0.519	3.8	0.0831	0.0000	OK	Infiltration		0.1			

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Results for 100 year +30% 60 minute summer. 360 minute analysis at 1 minute timestep. Mass balance: 98.51%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	1	29	9.800	0.500	15.5	0.0000	0.0000	FLOOD RISK	1.000	2	-15.5	-0.497	-0.710	0.4653	
60 minute summer	2	29	9.800	0.550	30.3	0.0000	0.0000	FLOOD RISK	1.001	3	-30.3	-1.048	-1.524	1.1254	
60 minute summer	3	29	9.800	0.650	40.3	0.0000	0.0000	FLOOD RISK	1.002	4	-40.3	-1.288	-1.906	0.4858	
60 minute summer	4	28	9.800	0.750	58.5	0.0000	0.0000	FLOOD RISK	1.003	5	-58.5	-1.615	-2.195	0.8441	
60 minute summer	5	28	9.800	0.800	60.9	0.0000	0.0000	FLOOD RISK	1.004	6	-60.9	-1.948	-1.628	0.1621	
60 minute summer	6	28	9.800	0.900	160.8	54.7625	0.0000	FLOOD RISK	1.005	7	102.8	2.102	2.121	0.7796	
60 minute summer	7	27	9.800	1.050	122.1	27.8523	0.0000	FLOOD RISK	1.006	8	143.8	1.847	2.048	2.4923	
60 minute summer	8	27	9.800	1.250	215.7	46.3109	0.0000	FLOOD RISK	1.007	9	228.1	1.806	2.090	5.9230	
60 minute summer	9	27	9.800	1.450	423.9	62.8594	0.0000	FLOOD RISK	1.008	10	381.0	1.948	1.667	3.1360	
60 minute summer	10	27	9.800	1.500	413.8	11.2835	0.0000	FLOOD RISK	1.009	11	413.7	2.115	2.800	47.8613	
60 minute summer	11	26	9.800	1.800	413.7	0.0000	0.0000	FLOOD RISK	1.010	12	413.6	2.115	1.436	53.3278	
60 minute summer	12	20	7.750	1.000	413.6	0.0000	0.0000	FLOOD RISK	1.011	13	606.6	3.792	3.091	0.3734	
60 minute summer	13	35	9.768	0.268	606.6	0.0000	0.0000	OK	1.012	13_OUT	455.1	7.030	0.368	0.5418	
60 minute summer	13_OUT	37	8.430	0.896	455.1	0.0000	0.0000	OK	Flow through pond	49	1411.9	0.146	0.000	1681.2650	
60 minute summer	14	25	9.800	0.500	25.4	0.0000	0.0000	FLOOD RISK	2.000	15	-25.4	-0.810	-0.841	0.8136	
60 minute summer	15	26	9.800	0.714	113.9	43.9291	0.0000	FLOOD RISK	2.001	16	86.8	1.771	1.786	0.9254	
60 minute summer	16	26	9.800	0.809	86.8	0.0000	0.0000	FLOOD RISK	2.002	17	92.8	1.898	1.883	0.5320	
60 minute summer	17	26	9.800	0.941	116.8	16.8475	0.0000	FLOOD RISK	2.003	18	128.6	1.652	1.945	1.8750	
60 minute summer	18	25	9.800	1.119	204.9	34.2755	0.0000	FLOOD RISK	2.004	19	214.8	1.716	1.766	5.4890	
60 minute summer	19	25	9.800	1.344	398.9	48.3340	0.0000	FLOOD RISK	2.005	20	375.7	1.821	1.965	4.0628	
60 minute summer	20	25	9.800	1.389	375.7	0.0000	0.0000	FLOOD RISK	2.006	21	377.6	1.831	1.908	3.4979	
60 minute summer	21	25	9.800	1.428	377.6	0.0000	0.0000	FLOOD RISK	2.007	22	379.6	1.941	0.637	3.7404	
60 minute summer	22	25	9.800	1.800	493.3	23.3059	0.0000	FLOOD RISK	2.008	23	489.1	2.501	1.598	53.3017	
60 minute summer	23	16	7.750	1.000	489.1	0.0000	0.0000	FLOOD RISK	2.009	24	489.1	3.047	2.491	0.3675	
60 minute summer	24	32	8.758	0.258	489.1	0.0000	0.0000	OK	2.010	24_OUT	489.1	6.892	0.395	0.5446	
60 minute summer	24_OUT	36	8.661	1.128	489.1	0.0000	0.0000	OK	Flow through pond	49	1411.9	0.146	0.000	1681.2650	
60 minute summer	25	33	8.890	0.094	12.9	0.0000	0.0000	OK	3.000	26	12.9	0.799	0.719	0.5182	
60 minute summer	26	37	8.683	0.248	25.8	2.9615	0.0000	SURCHARGED	3.001	27	16.2	0.980	1.023	0.7026	
									Infiltration		2.5				
60 minute summer	27	39	8.361	0.246	28.4	3.8797	0.0000	SURCHARGED	3.002	28	20.2	1.199	1.063	0.5744	
									Infiltration		3.1				
60 minute summer	28	38	7.963	0.258	31.1	3.2197	0.0000	SURCHARGED	3.003	29	23.0	1.351	0.973	0.6315	
									Infiltration		2.4				
60 minute summer	29	38	7.337	0.272	34.7	2.1458	0.0000	SURCHARGED	3.004	30	30.4	1.724	1.092	0.1195	
									Infiltration		1.9				
60 minute summer	30	53	7.206	0.381	32.7	0.0457	0.0000	OK	3.005	31	28.9	0.256	0.012	8.3442	
60 minute summer	31	53	7.206	0.511	31.2	0.0614	0.0000	OK	3.006	32	22.1	0.188	0.013	7.7510	
									Infiltration		2.7				

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60 minute summer	32	53	7.207	0.562	24.4	0.0674	0.0000	OK	3.007	33	14.8	0.119	0.010	6.9491
									Infiltration		2.0			
									Infiltration		2.2			
60 minute summer	33	53	7.207	0.432	17.1	0.0518	0.0000	OK	3.008	34	11.8	0.262	0.008	5.5891
60 minute summer	34	53	7.207	0.462	13.9	0.0554	0.0000	OK	3.009	35	8.3	0.278	0.003	4.5886
									Infiltration		1.8			
60 minute summer	35	53	7.206	0.531	10.4	0.0638	0.0000	OK	3.010	36	4.8	0.065	0.001	8.9250
									Infiltration		1.4			
60 minute summer	36	53	7.207	0.702	7.0	0.0800	0.0000	OK	3.011	37	0.1	0.194	0.004	0.0007
									Infiltration		2.2			
60 minute summer	37	44	6.686	0.181	4.8	0.0217	0.0000	OK	3.012	38	-2.5	0.061	-0.001	5.5883
60 minute summer	38	43	6.685	0.420	12.0	0.0505	0.0000	OK	3.013	39	-9.5	-0.107	-0.008	3.9132
									Infiltration		1.5			
									Infiltration		2.3			
60 minute summer	39	44	6.686	0.231	12.9	0.0277	0.0000	OK	3.014	40	-19.6	-0.321	-0.007	1.2328
									Infiltration		0.9			
60 minute summer	40	34	6.738	0.041	10.7	0.0049	0.0000	OK	3.015	41	-8.3	-0.368	-0.008	0.2814
									Infiltration		0.0			
60 minute summer	41	34	6.904	0.039	8.4	0.0046	0.0000	OK	3.016	42	-8.0	-0.332	-0.004	0.2349
									Infiltration		0.0			
60 minute summer	42	34	7.114	0.029	6.1	0.0035	0.0000	OK	3.017	43	-3.7	-0.218	-0.002	0.2253
									Infiltration		0.1			
60 minute summer	43	33	7.180	0.035	3.9	0.0042	0.0000	OK	3.018	44	-1.5	-0.108	-0.001	0.1748
									Infiltration		0.1			
60 minute summer	44	33	7.242	0.017	2.4	0.0020	0.0000	OK	3.019	45	0.9	0.078	0.001	0.1434
60 minute summer	45	33	7.223	0.028	3.3	0.0034	0.0000	OK	3.020	46	3.2	0.203	0.001	0.2070
									Infiltration		0.1			
60 minute summer	46	34	7.158	0.031	5.5	0.0038	0.0000	OK	3.021	47	5.5	0.297	0.002	0.2732
									Infiltration		0.1			
60 minute summer	47	61	7.027	0.062	7.9	0.0075	0.0000	OK	3.022	48	7.8	0.212	0.002	1.4553
									Infiltration		0.1			
60 minute summer	48	61	7.027	0.232	16.1	0.0278	0.0000	OK	3.023	53	7.1	0.206	0.009	2.3988
									Infiltration		0.2			
60 minute summer	49	91	7.716	-0.284	1458.7	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
60 minute summer	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
60 minute summer	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
60 minute summer	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
60 minute summer	53	61	7.027	0.242	9.4	0.0290	0.0000	OK	3.024	54	6.7	0.183	0.002	3.8041
									Infiltration		0.3			
60 minute summer	54	62	7.027	0.402	8.5	0.0483	0.0000	OK	3.025	54_OUT	2.5	0.053	0.001	6.5898
									Infiltration		0.3			
60 minute summer	54_OUT	62	7.027	0.522	4.4	0.0626	0.0000	OK	Infiltration		0.4			

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60 minute summer	55	37	8.801	0.355	6.8	0.1205	0.0000	SURCHARGED	5.000	56	6.0	0.433	0.808	0.2949
60 minute summer	56	37	8.790	0.374	12.8	1.8433	0.0000	SURCHARGED	5.001	57	8.4	0.539	0.674	0.3709
									Infiltration		0.3			
60 minute summer	57	36	8.749	0.439	14.9	2.4789	0.0000	SURCHARGED	5.002	58	10.7	0.611	1.342	0.5482
									Infiltration		0.4			
60 minute summer	58	40	8.638	0.393	16.7	3.3269	0.0000	SURCHARGED	5.003	59	12.3	0.700	1.661	0.3906
									Infiltration		0.6			
60 minute summer	59	62	8.605	0.400	18.0	2.5457	0.0000	OK	5.004	60	10.3	0.117	0.015	12.9125
									Infiltration		0.4			
60 minute summer	60	62	8.605	0.420	16.7	0.1427	0.0000	OK	5.005	61	3.2	0.072	0.003	19.0933
									Infiltration		0.6			
60 minute summer	61	62	8.605	0.469	9.1	0.1594	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.9			
60 minute summer	62	63	8.187	0.051	6.8	0.0174	0.0000	OK	5.007	63	6.5	0.095	0.003	10.8063
60 minute summer	63	62	8.187	0.351	14.7	0.1192	0.0000	OK	5.008	63_OUT	-1.9	0.039	-0.001	8.4783
									Infiltration		0.8			
60 minute summer	63_OUT	62	8.187	0.422	6.8	0.1434	0.0000	OK	Infiltration		0.4			
60 minute summer	64	62	6.529	0.344	3.2	0.0550	0.0000	OK	6.000	65	1.2	0.075	0.001	3.4159
60 minute summer	65	62	6.529	0.404	4.9	0.0646	0.0000	OK	6.001	66	-0.8	0.067	-0.001	4.8499
									Infiltration		0.2			
60 minute summer	66	63	6.529	0.436	4.7	0.0689	0.0000	OK	6.002	67	-1.5	0.030	-0.001	2.5833
									Infiltration		0.2			
60 minute summer	67	63	6.529	0.453	3.2	0.0702	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
60 minute summer	68	61	6.157	0.091	3.4	0.0142	0.0000	OK	6.004	69	3.2	0.082	0.001	5.8823
60 minute summer	69	63	6.157	0.402	6.4	0.0644	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
60 minute summer	70	62	5.995	0.240	3.2	0.0364	0.0000	OK	6.006	71	1.9	0.084	0.001	1.9656
60 minute summer	71	62	5.995	0.310	5.1	0.0496	0.0000	OK	6.007	72	0.7	0.018	0.000	6.1667
									Infiltration		0.1			
60 minute summer	72	62	5.995	0.310	3.8	0.0496	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
60 minute summer	73	63	6.192	0.487	3.2	0.0779	0.0000	OK	6.009	74	1.3	0.032	0.001	2.8778
60 minute summer	74	63	6.192	0.487	4.5	0.0780	0.0000	OK	6.010	75	0.7	0.081	0.000	3.2590
									Infiltration		0.1			
60 minute summer	75	63	6.192	0.457	4.0	0.0780	0.0000	OK	6.011	76	1.0	0.059	0.000	3.4833
									Infiltration		0.1			
60 minute summer	76	63	6.192	0.557	4.1	0.0847	0.0000	OK	6.012	76_OUT	-1.0	-0.010	-0.001	3.5730
									Infiltration		0.1			
60 minute summer	76_OUT	63	6.192	0.557	3.2	0.0892	0.0000	OK	Infiltration		0.1			

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Results for 100 year +30% 60 minute winter. 360 minute analysis at 1 minute timestep. Mass balance: 98.63%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	1	27	9.800	0.500	15.8	0.0000	0.0000	FLOOD RISK	1.000	2	-15.8	-0.505	-0.722	0.4853	
60 minute winter	2	27	9.800	0.550	30.8	0.0000	0.0000	FLOOD RISK	1.001	3	-30.8	-0.985	-1.550	1.1284	
60 minute winter	3	26	9.800	0.650	37.9	0.0000	0.0000	FLOOD RISK	1.002	4	-37.9	-1.212	-1.793	0.4988	
60 minute winter	4	25	9.800	0.700	45.9	0.0000	0.0000	FLOOD RISK	1.003	5	-45.9	-1.468	-1.995	0.8441	
60 minute winter	5	25	9.800	0.800	53.9	0.0000	0.0000	FLOOD RISK	1.004	6	-53.9	-1.723	-1.442	0.1621	
60 minute winter	6	25	9.800	0.900	132.3	54.6923	0.0000	FLOOD RISK	1.005	7	99.5	2.034	2.052	0.7798	
60 minute winter	7	25	9.800	1.050	122.5	26.8428	0.0000	FLOOD RISK	1.006	8	140.2	1.801	1.997	2.4923	
60 minute winter	8	25	9.800	1.250	213.6	44.6473	0.0000	FLOOD RISK	1.007	9	223.5	1.765	2.068	5.8230	
60 minute winter	9	25	9.800	1.450	394.6	61.4066	0.0000	FLOOD RISK	1.008	10	376.8	1.926	1.589	3.1360	
60 minute winter	10	25	9.800	1.500	408.3	11.0615	0.0000	FLOOD RISK	1.009	11	408.0	2.086	2.761	47.8613	
60 minute winter	11	24	9.800	1.500	408.0	0.0000	0.0000	FLOOD RISK	1.010	12	406.9	2.080	1.413	53.3278	
60 minute winter	12	19	7.750	1.000	405.9	0.0000	0.0000	FLOOD RISK	1.011	13	581.1	3.598	2.960	0.3774	
60 minute winter	13	37	9.774	0.274	581.1	0.0000	0.0000	OK	1.012	13_OUT	484.2	7.404	0.391	0.5579	
60 minute winter	13_OUT	41	8.488	0.955	484.2	0.0000	0.0000	OK	Flow through pond	49	1639.0	0.186	0.000	1916.2174	
60 minute winter	14	23	9.800	0.500	8.0	0.0000	0.0000	FLOOD RISK	2.000	15	-8.0	-0.191	-0.198	0.8135	
60 minute winter	15	23	9.800	0.714	92.2	40.5675	0.0000	FLOOD RISK	2.001	16	80.1	1.638	1.652	0.9254	
60 minute winter	16	23	9.800	0.809	80.1	0.0000	0.0000	FLOOD RISK	2.002	17	84.8	1.735	1.722	0.6320	
60 minute winter	17	23	9.800	0.941	107.5	15.5451	0.0000	FLOOD RISK	2.003	18	119.4	1.534	1.528	1.8750	
60 minute winter	18	23	9.800	1.119	197.1	31.5419	0.0000	FLOOD RISK	2.004	19	203.6	1.628	1.619	5.4690	
60 minute winter	19	23	9.800	1.344	368.0	44.5148	0.0000	FLOOD RISK	2.005	20	358.5	1.833	1.818	4.0828	
60 minute winter	20	23	9.800	1.389	358.5	0.0000	0.0000	FLOOD RISK	2.006	21	359.3	1.837	1.815	3.4979	
60 minute winter	21	23	9.800	1.428	359.3	0.0000	0.0000	FLOOD RISK	2.007	22	360.4	1.843	0.805	3.7404	
60 minute winter	22	23	9.800	1.800	484.6	21.6430	0.0000	FLOOD RISK	2.008	23	483.1	2.358	1.508	53.3017	
60 minute winter	23	16	7.750	1.000	483.1	0.0000	0.0000	FLOOD RISK	2.009	24	805.7	3.776	3.085	0.3806	
60 minute winter	24	31	9.779	0.279	805.7	0.0000	0.0000	OK	2.010	24_OUT	483.1	6.975	0.374	0.5394	
60 minute winter	24_OUT	37	8.570	1.037	483.1	0.0000	0.0000	OK	Flow through pond	49	1639.0	0.186	0.000	1916.2174	
60 minute winter	25	33	8.878	0.982	10.4	0.0523	0.0000	OK	3.000	26	10.4	0.744	0.580	0.4847	
60 minute winter	26	38	8.846	0.211	20.8	2.1288	0.0000	SURCHARGED	3.001	27	16.1	0.971	1.518	0.7028	
									Infiltration		2.1				
60 minute winter	27	40	8.352	0.237	25.9	3.3836	0.0000	SURCHARGED	3.002	28	20.3	1.291	1.906	0.5744	
									Infiltration		3.0				
60 minute winter	28	40	7.950	0.285	29.6	5.1337	0.0000	SURCHARGED	3.003	29	23.3	1.342	0.988	0.6315	
									Infiltration		2.4				
60 minute winter	29	45	7.365	0.300	32.3	2.6094	0.0000	SURCHARGED	3.004	30	28.7	1.630	1.032	0.1195	
									Infiltration		2.1				
60 minute winter	30	55	7.243	0.418	30.7	0.0501	0.0000	OK	3.005	31	27.5	0.280	0.011	9.3634	
60 minute winter	31	55	7.243	0.548	29.5	0.0657	0.0000	OK	3.006	32	21.1	0.297	0.012	8.5660	
									Infiltration		2.8				

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60 minute winter	32	55	7.243	0.598	23.1	0.0717	0.0000	OK	3.007	33	14.1	0.130	0.009	7.7237
									Infiltration		2.2			
									Infiltration		2.3			
60 minute winter	33	55	7.243	0.468	18.1	0.0562	0.0000	OK	3.008	34	12.2	0.277	0.008	5.2817
60 minute winter	34	55	7.240	0.498	13.2	0.0587	0.0000	OK	3.009	35	9.3	0.288	0.004	5.4365
									Infiltration		1.8			
60 minute winter	35	55	7.243	0.568	10.4	0.0682	0.0000	OK	3.010	36	6.7	0.072	0.002	9.7468
									Infiltration		1.5			
60 minute winter	36	55	7.243	0.738	7.5	0.0841	0.0000	OK	3.011	37	2.4	0.579	0.175	0.0097
									Infiltration		2.3			
60 minute winter	37	47	6.708	0.203	3.9	0.0243	0.0000	OK	3.012	38	3.6	0.065	0.001	6.1298
60 minute winter	38	48	6.708	0.443	10.3	0.0531	0.0000	OK	3.013	39	-8.3	-0.112	-0.006	4.2755
									Infiltration		1.6			
									Infiltration		2.4			
60 minute winter	39	47	6.708	0.253	10.8	0.0303	0.0000	OK	3.014	40	-8.9	-0.326	-0.005	1.3824
									Infiltration		0.9			
60 minute winter	40	34	6.732	0.037	8.9	0.0044	0.0000	OK	3.015	41	-6.9	-0.354	-0.005	0.2500
									Infiltration		0.0			
60 minute winter	41	33	6.900	0.035	7.0	0.0042	0.0000	OK	3.016	42	-5.0	-0.311	-0.003	0.2090
									Infiltration		0.0			
60 minute winter	42	33	7.111	0.028	5.1	0.0032	0.0000	OK	3.017	43	-3.1	-0.205	-0.002	0.2013
									Infiltration		0.1			
60 minute winter	43	33	7.176	0.031	3.2	0.0038	0.0000	OK	3.018	44	-1.2	-0.190	-0.001	0.1562
									Infiltration		0.0			
60 minute winter	44	33	7.240	0.015	2.0	0.0018	0.0000	OK	3.019	45	0.8	0.073	0.001	0.1279
60 minute winter	45	33	7.221	0.028	2.8	0.0031	0.0000	OK	3.020	46	2.7	0.190	0.001	0.1846
									Infiltration		0.1			
60 minute winter	46	33	7.153	0.028	4.7	0.0034	0.0000	OK	3.021	47	4.6	0.278	0.001	0.3865
									Infiltration		0.0			
60 minute winter	47	61	7.054	0.089	6.6	0.0107	0.0000	OK	3.022	48	6.5	0.190	0.002	1.7660
									Infiltration		0.1			
60 minute winter	48	61	7.053	0.258	8.5	0.0310	0.0000	OK	3.023	53	5.8	0.202	0.007	2.7855
									Infiltration		0.2			
60 minute winter	49	83	7.743	-0.257	1860.2	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
60 minute winter	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
60 minute winter	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
60 minute winter	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
60 minute winter	53	61	7.054	0.269	7.4	0.0322	0.0000	OK	3.024	54	6.0	0.198	0.002	4.2383
									Infiltration		0.3			
60 minute winter	54	52	7.053	0.428	7.5	0.0514	0.0000	OK	3.025	54_OUT	2.9	0.056	0.001	7.2743
									Infiltration		0.3			
60 minute winter	54_OUT	60	7.054	0.549	4.5	0.0659	0.0000	OK	Infiltration		0.5			

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60 minute winter	55	40	8.800	0.354	5.5	0.1204	0.0000	SURCHARGED	5.000	56	5.0	0.415	0.872	0.2949
60 minute winter	56	40	8.793	0.377	10.5	1.8558	0.0000	SURCHARGED	5.001	57	7.6	0.516	0.604	0.3709
									Infiltration		0.3			
60 minute winter	57	41	8.759	0.449	12.9	2.5413	0.0000	SURCHARGED	5.002	58	10.0	0.586	1.244	0.5462
									Infiltration		0.4			
60 minute winter	58	44	8.666	0.423	14.9	3.6148	0.0000	SURCHARGED	5.003	59	11.6	0.659	1.563	0.3908
									Infiltration		0.6			
60 minute winter	59	62	8.644	0.439	15.4	2.8186	0.0000	OK	5.004	60	9.7	0.127	0.014	14.7472
									Infiltration		0.5			
60 minute winter	60	62	8.644	0.459	14.8	0.1560	0.0000	OK	5.005	61	3.0	0.076	0.003	21.6237
									Infiltration		0.7			
60 minute winter	61	62	8.644	0.568	5.0	0.1727	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		1.0			
60 minute winter	62	61	8.213	0.077	5.5	0.0261	0.0000	OK	5.007	63	5.4	0.105	0.003	12.1344
60 minute winter	63	62	8.212	0.378	12.2	0.1277	0.0000	OK	5.008	63_OUT	-2.1	0.043	-0.001	9.2770
									Infiltration		0.8			
60 minute winter	63_OUT	62	8.212	0.447	5.5	0.1518	0.0000	OK	Infiltration		0.5			
60 minute winter	64	62	6.567	0.382	2.6	0.0512	0.0000	OK	6.000	65	1.2	0.078	0.001	3.9323
60 minute winter	65	62	6.567	0.442	3.9	0.0707	0.0000	OK	6.001	66	-0.8	0.070	-0.001	5.2644
									Infiltration		0.2			
60 minute winter	66	61	6.567	0.474	4.0	0.0749	0.0000	OK	6.002	67	-1.4	0.029	-0.001	3.0095
									Infiltration		0.2			
60 minute winter	67	61	6.567	0.491	2.6	0.0761	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
60 minute winter	68	61	6.192	0.118	3.4	0.0180	0.0000	OK	6.004	69	2.6	0.084	0.001	5.8414
60 minute winter	69	61	6.194	0.429	5.2	0.0686	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
60 minute winter	70	61	6.024	0.269	2.6	0.0431	0.0000	OK	6.006	71	1.6	0.057	0.001	2.2635
60 minute winter	71	61	6.025	0.340	4.2	0.0543	0.0000	OK	6.007	72	0.7	0.020	0.000	7.0133
									Infiltration		0.1			
60 minute winter	72	61	6.025	0.340	3.3	0.0544	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0037
									Infiltration		0.4			
60 minute winter	73	62	6.238	0.533	2.6	0.0853	0.0000	OK	6.009	74	1.1	0.038	0.001	3.2980
60 minute winter	74	62	6.238	0.533	3.7	0.0853	0.0000	OK	6.010	75	0.8	0.037	0.001	3.7344
									Infiltration		0.1			
60 minute winter	75	62	6.238	0.533	3.5	0.0853	0.0000	OK	6.011	76	1.3	0.084	0.000	3.9379
									Infiltration		0.2			
60 minute winter	76	62	6.238	0.603	3.6	0.0917	0.0000	OK	6.012	76_OUT	-1.0	0.010	-0.001	4.0369
									Infiltration		0.2			
60 minute winter	76_OUT	62	6.238	0.603	2.6	0.0965	0.0000	OK	Infiltration		0.2			

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Results for 100 year +30% 120 minute summer, 360 minute analysis at 2 minute timestep. Mass balance: 86.61%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	1	52	9.800	0.500	5.2	0.0000	0.0000	FLOOD RISK	1.000	2	-5.2	-0.406	-0.235	0.4653	
120 minute summer	2	52	9.800	0.550	23.6	0.0000	0.0000	FLOOD RISK	1.001	3	-23.6	-0.789	-1.185	1.1284	
120 minute summer	3	52	9.800	0.650	26.9	0.0000	0.0000	FLOOD RISK	1.002	4	-26.9	-0.858	-1.270	0.4988	
120 minute summer	4	52	9.800	0.700	29.4	0.0000	0.0000	FLOOD RISK	1.003	5	-29.4	-0.939	-1.276	0.8441	
120 minute summer	5	50	9.800	0.800	33.3	0.0000	0.0000	FLOOD RISK	1.004	6	-33.3	-1.063	-0.889	0.1621	
120 minute summer	6	50	9.800	0.900	93.8	41.3919	0.0000	FLOOD RISK	1.005	7	80.3	1.642	1.657	0.7796	
120 minute summer	7	50	9.800	1.050	105.8	20.3971	0.0000	FLOOD RISK	1.006	8	115.9	1.468	1.650	2.4923	
120 minute summer	8	50	9.800	1.250	182.7	34.3379	0.0000	FLOOD RISK	1.007	9	189.3	1.513	1.750	5.9230	
120 minute summer	9	50	9.800	1.450	330.2	47.8460	0.0000	FLOOD RISK	1.008	10	319.3	1.632	1.347	3.1360	
120 minute summer	10	52	9.800	1.500	345.8	8.6515	0.0000	FLOOD RISK	1.009	11	345.6	1.767	2.339	47.8613	
120 minute summer	11	52	9.800	1.800	345.8	0.0000	0.0000	FLOOD RISK	1.010	12	346.8	1.770	1.204	53.3278	
120 minute summer	12	30	7.750	1.000	346.8	0.0000	0.0000	FLOOD RISK	1.011	13	497.2	3.266	2.532	0.3727	
120 minute summer	13	72	9.767	0.267	497.2	0.0000	0.0000	OK	1.012	13_OUT	422.5	7.010	0.342	0.5175	
120 minute summer	13_OUT	74	8.269	0.739	422.5	0.0000	0.0000	OK	Flow through pond	49	1020.1	0.117	0.000	2026.7534	
120 minute summer	14	46	9.800	0.500	12.8	0.0000	0.0000	FLOOD RISK	2.000	15	-12.8	-0.409	-0.425	0.8136	
120 minute summer	15	46	9.800	0.714	71.5	28.8778	0.0000	FLOOD RISK	2.001	16	83.5	1.298	1.310	0.9254	
120 minute summer	16	46	9.800	0.809	83.5	0.0000	0.0000	FLOOD RISK	2.002	17	86.6	1.349	1.339	0.6320	
120 minute summer	17	46	9.800	0.941	86.6	11.2590	0.0000	FLOOD RISK	2.003	18	85.0	1.221	1.216	1.8756	
120 minute summer	18	46	9.800	1.119	160.9	23.1602	0.0000	FLOOD RISK	2.004	19	165.9	1.325	1.318	5.4890	
120 minute summer	19	46	9.800	1.344	295.0	33.4098	0.0000	FLOOD RISK	2.005	20	291.7	1.491	1.479	4.0528	
120 minute summer	20	48	9.800	1.389	291.7	0.0000	0.0000	FLOOD RISK	2.006	21	292.6	1.496	1.479	3.4979	
120 minute summer	21	46	9.800	1.428	292.6	0.0000	0.0000	FLOOD RISK	2.007	22	293.3	1.500	0.492	3.7404	
120 minute summer	22	48	9.800	1.800	377.0	18.9128	0.0000	FLOOD RISK	2.008	23	375.7	1.921	1.304	53.3017	
120 minute summer	23	26	7.750	1.000	375.7	0.0000	0.0000	FLOOD RISK	2.009	24	564.0	3.556	2.873	0.3583	
120 minute summer	24	68	9.759	0.259	564.0	0.0000	0.0000	OK	2.010	24_OUT	435.3	7.178	0.352	0.5274	
120 minute summer	24_OUT	66	8.411	0.878	435.3	0.0000	0.0000	OK	Flow through pond	49	1020.1	0.117	0.000	2026.7534	
120 minute summer	25	64	8.866	0.070	8.1	0.0451	0.0000	OK	3.000	26	8.1	0.718	0.482	0.4032	
120 minute summer	26	64	8.551	0.118	16.2	0.6550	0.0000	OK	3.001	27	14.8	0.959	0.933	0.6322	
									Infiltration		1.1				
120 minute summer	27	68	8.268	0.153	22.9	1.3942	0.0000	SURCHARGED	3.002	28	19.6	1.196	0.970	0.5744	
									Infiltration		1.9				
120 minute summer	28	70	7.910	0.215	27.7	1.7798	0.0000	SURCHARGED	3.003	29	23.0	1.340	0.975	0.8315	
									Infiltration		1.8				
120 minute summer	29	76	7.325	0.260	31.1	1.9587	0.0000	SURCHARGED	3.004	30	26.9	1.610	0.967	0.1195	
									Infiltration		1.8				
120 minute summer	30	82	7.200	0.375	25.4	0.0450	0.0000	OK	3.005	31	25.5	0.210	0.011	8.1895	
120 minute summer	31	82	7.200	0.505	27.0	0.0606	0.0000	OK	3.006	32	19.8	0.159	0.011	7.6075	
									Infiltration		2.6				
120 minute summer	32	82	7.200	0.555	31.3	0.0666	0.0000	OK	3.007	33	13.3	0.082	0.009	8.8118	

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									Infiltration		2.0				
									Infiltration		2.1				
120 minute summer	33	82	7.200	0.425	14.8	0.0510	0.0000	OK	S.008	34	16.8	0.206	0.008	5.4732	
120 minute summer	34	82	7.200	0.455	12.3	0.0546	0.0000	OK	S 009	35	7.0	0.207	0 003	4 7901	
									Infiltration		1.8				
120 minute summer	35	82	7.200	0.525	8.5	0.0630	0 0000	OK	S.010	36	3.5	0 038	0.001	8.7737	
									Infiltration		1.4				
120 minute summer	36	82	7.200	0.695	5.0	0 0792	0.0000	OK	S 011	37	0.0	0.000	0 000	0 0000	
									Infiltration		2.2				
120 minute summer	37	78	6.857	0.152	2.7	0.0182	0.0000	OK	S.012	38	1.5	0.040	0.000	4.9225	
120 minute summer	38	78	6.857	0.392	7.5	0 0471	0.0000	OK	S 013	39	-6.1	-0.079	-0 004	3 4679	
									Infiltration		1.5				
									Infiltration		2.1				
120 minute summer	39	78	6.857	0.202	8.2	0.0243	0.0000	OK	S.014	40	-6.7	-0.285	-0.004	1.0428	
									Infiltration		0.7				
120 minute summer	40	84	6.726	0.031	6.8	0.0037	0.0000	OK	S.015	41	-5.3	-0.329	-0.004	0.2096	
									Infiltration		0.0				
120 minute summer	41	84	6.894	0.029	5.3	0 0035	0.0000	OK	S 016	42	-3.8	-0.281	-0 003	0 1754	
									Infiltration		0.0				
120 minute summer	42	84	7.167	0.022	3.9	0.0027	0 0000	OK	S.017	43	-2.4	-0.165	-0.002	0.1693	
									Infiltration		0.0				
120 minute summer	43	84	7.172	0.027	2.4	0 0032	0.0000	OK	S 018	44	-0.9	-0.090	-0 001	0 1314	
									Infiltration		0.0				
120 minute summer	44	84	7.238	0.013	1.5	0.0015	0 0000	OK	S.019	45	0.6	0 065	0.000	0.1073	
120 minute summer	45	84	7.217	0.022	2.1	0.0026	0.0000	OK	S 020	46	2.0	0.171	0 001	0 1548	
									Infiltration		0.0				
120 minute summer	46	84	7.149	0.024	3.5	0.0028	0 0000	OK	S.021	47	3.5	0.250	0.001	0.2858	
									Infiltration		0.0				
120 minute summer	47	114	7.031	0.068	5.0	0 0079	0.0000	OK	S 022	48	4.9	0.153	0 002	1 4981	
									Infiltration		0.1				
120 minute summer	48	114	7.031	0.236	6.4	0.0283	0 0000	OK	S.023	53	4.1	0.148	0.005	2.4515	
									Infiltration		0.2				
120 minute summer	49	154	7.751	-0.249	1113.8	0 0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
120 minute summer	50	2	7.460	0.000	0.0	0.0000	0 0000	OK	S.001	51	0.0	0.000	0.000	0.0000	
120 minute summer	51	2	7.300	0.000	0.0	0 0000	0.0000	OK	S 002	52	0.0	0.000	0 000	0 0000	
120 minute summer	52	2	7.200	0.000	0.0	0.0000	0.0000	OK	S.003	53	0.0	0.000	0.000	0.0000	
120 minute summer	53	114	7.031	0.248	5.8	0.0295	0 0000	OK	S.024	54	3.1	0.153	0.001	3.8639	
									Infiltration		0.3				
120 minute summer	54	114	7.031	0.468	4.6	0 0487	0.0000	OK	S 025	54_OUT	1.2	0.042	0 000	8 7750	
									Infiltration		0.3				
120 minute summer	54_OUT	114	7.031	0.528	2.7	0.0831	0 0000	OK	Infiltration		0.5				
120 minute summer	55	70	6.882	0.208	4.3	0.0804	0.0000	SURCHARGED	S.000	56	3.9	0.393	0.526	0.2949	
120 minute summer	56	70	6.678	0.262	8.2	1 2398	0.0000	SURCHARGED	S 001	57	6.0	0.471	0 483	0 3709	

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								Infiltration		0.3					
120 minute summer	57	72	8.658	0.348	10.2	1.8716	0.0000 SURCHARGED	5.002	58	7.9	0.448	0.984	0.5462		
								Infiltration		0.4					
120 minute summer	58	108	8.616	0.371	11.8	3.1097	0.0000 SURCHARGED	5.003	59	9.2	0.520	1.234	0.3906		
								Infiltration		0.6					
120 minute summer	59	110	8.615	0.410	12.9	2.6199	0.0000 OK	5.004	60	7.6	0.090	0.011	13.4003		
								Infiltration		0.4					
120 minute summer	60	110	8.615	0.430	11.5	0.1463	0.0000 OK	5.005	61	2.3	0.057	0.002	19.7649		
								Infiltration		0.7					
120 minute summer	61	110	8.615	0.479	8.2	0.1630	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		0.9					
120 minute summer	62	112	8.199	0.063	4.3	0.0214	0.0000 OK	5.007	63	4.1	0.075	0.002	11.3242		
120 minute summer	63	110	8.198	0.362	9.5	0.1232	0.0000 OK	5.008	63_OUT	-1.2	0.031	-0.001	8.8497		
								Infiltration		0.8					
120 minute summer	63_OUT	110	8.198	0.433	4.3	0.1473	0.0000 OK	Infiltration		0.4					
120 minute summer	64	122	8.553	0.368	2.0	0.0589	0.0000 OK	6.000	65	0.7	0.061	0.000	3.7438		
120 minute summer	65	122	8.553	0.428	2.9	0.0685	0.0000 OK	6.001	66	0.4	0.056	0.000	5.0554		
								Infiltration		0.2					
120 minute summer	66	122	8.553	0.460	2.9	0.0727	0.0000 OK	6.002	67	-0.9	0.026	-0.001	2.8838		
								Infiltration		0.2					
120 minute summer	67	122	8.553	0.477	2.0	0.0740	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
120 minute summer	68	118	8.179	0.163	2.8	0.0160	0.0000 OK	6.004	69	2.0	0.050	0.001	6.2185		
120 minute summer	69	112	8.179	0.414	4.0	0.0663	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
120 minute summer	70	120	8.008	0.253	2.0	0.0404	0.0000 OK	6.006	71	1.2	0.073	0.000	2.0943		
120 minute summer	71	120	8.008	0.323	3.2	0.0516	0.0000 OK	6.007	72	0.4	0.015	0.000	5.5283		
								Infiltration		0.1					
120 minute summer	72	120	8.008	0.323	2.4	0.0516	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0024		
								Infiltration		0.4					
120 minute summer	73	122	8.228	0.523	2.0	0.0836	0.0000 OK	6.009	74	0.8	0.023	0.001	3.2059		
120 minute summer	74	122	8.228	0.523	2.5	0.0838	0.0000 OK	6.010	75	0.4	0.060	0.000	3.6303		
								Infiltration		0.1					
120 minute summer	75	122	8.228	0.523	2.5	0.0838	0.0000 OK	6.011	76	0.6	0.047	0.000	3.8343		
								Infiltration		0.2					
120 minute summer	76	122	8.228	0.563	2.5	0.0902	0.0000 OK	6.012	76_OUT	-0.6	-0.008	0.000	3.9358		
								Infiltration		0.2					
120 minute summer	76_OUT	122	8.228	0.583	2.0	0.0959	0.0000 OK	Infiltration		0.1					

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Results for 100 year +30% 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 96.86%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	1	48	9.800	0.500	10.6	0.0000	0.0000	FLOOD RISK	1.000	2	-10.6	-0.336	-0.483	0.4653	
120 minute winter	2	48	9.800	0.550	16.0	0.0000	0.0000	FLOOD RISK	1.001	3	-16.0	-0.512	-0.805	1.1284	
120 minute winter	3	48	9.800	0.650	27.7	0.0000	0.0000	FLOOD RISK	1.002	4	-27.7	-1.023	-1.311	0.4986	
120 minute winter	4	48	9.800	0.700	30.5	0.0000	0.0000	FLOOD RISK	1.003	5	-30.5	-0.977	-1.328	0.8441	
120 minute winter	5	46	9.800	0.800	33.9	0.0000	0.0000	FLOOD RISK	1.004	6	-33.9	-1.084	-0.907	0.1621	
120 minute winter	6	46	9.800	0.900	72.3	35.4856	0.0000	FLOOD RISK	1.005	7	69.1	1.412	1.425	0.7796	
120 minute winter	7	46	9.800	1.050	97.7	17.5145	0.0000	FLOOD RISK	1.006	8	102.6	1.318	1.481	2.4923	
120 minute winter	8	46	9.800	1.250	159.3	29.7376	0.0000	FLOOD RISK	1.007	9	171.8	1.372	1.588	5.9230	
120 minute winter	9	46	9.800	1.450	293.2	41.6768	0.0000	FLOOD RISK	1.008	10	290.3	1.484	1.225	3.1360	
120 minute winter	10	46	9.800	1.500	313.3	7.5548	0.0000	FLOOD RISK	1.009	11	313.3	1.602	2.120	47.8613	
120 minute winter	11	46	9.800	1.800	313.3	0.0000	0.0000	FLOOD RISK	1.010	12	312.3	1.597	1.055	53.3276	
120 minute winter	12	28	7.750	1.000	312.3	0.0000	0.0000	FLOOD RISK	1.011	13	515.9	3.359	2.633	0.3687	
120 minute winter	13	72	9.757	0.257	516.9	0.0000	0.0000	OK	1.012	13_OUT	403.6	7.675	0.326	0.4922	
120 minute winter	13_OUT	76	8.234	0.700	403.6	0.0000	0.0000	OK	Flow through pond	49	1207.6	0.111	0.000	2308.0691	
120 minute winter	14	42	9.800	0.500	5.5	0.0000	0.0000	FLOOD RISK	2.000	15	-5.5	-0.177	-0.154	0.8136	
120 minute winter	15	42	9.800	0.714	55.2	22.8787	0.0000	FLOOD RISK	2.001	16	53.0	1.083	1.093	0.9254	
120 minute winter	16	42	9.800	0.809	53.0	0.0000	0.0000	FLOOD RISK	2.002	17	54.1	1.107	1.099	0.8329	
120 minute winter	17	42	9.800	0.941	77.5	9.1006	0.0000	FLOOD RISK	2.003	18	79.8	1.025	1.021	1.8750	
120 minute winter	18	42	9.800	1.119	141.0	18.9901	0.0000	FLOOD RISK	2.004	19	142.4	1.138	1.131	5.4890	
120 minute winter	19	42	9.800	1.344	253.1	27.8117	0.0000	FLOOD RISK	2.005	20	252.1	1.288	1.278	4.9628	
120 minute winter	20	42	9.800	1.389	252.1	0.0000	0.0000	FLOOD RISK	2.006	21	252.2	1.402	1.275	3.4979	
120 minute winter	21	42	9.800	1.428	252.2	0.0000	0.0000	FLOOD RISK	2.007	22	252.1	1.295	0.423	3.7404	
120 minute winter	22	42	9.800	1.800	323.5	14.4930	0.0000	FLOOD RISK	2.008	23	325.5	1.684	1.130	53.3017	
120 minute winter	23	24	7.750	1.000	325.5	0.0000	0.0000	FLOOD RISK	2.009	24	536.6	3.397	2.702	0.3713	
120 minute winter	24	66	9.764	0.264	536.6	0.0000	0.0000	OK	2.010	24_OUT	419.4	7.361	0.338	0.5014	
120 minute winter	24_OUT	70	8.265	0.732	419.4	0.0000	0.0000	OK	Flow through pond	49	1207.6	0.111	0.000	2308.0691	
120 minute winter	25	64	8.657	0.081	6.2	0.0388	0.0000	OK	3.000	28	6.2	0.672	0.346	0.3277	
120 minute winter	26	64	8.531	0.096	12.4	0.4539	0.0000	OK	3.001	27	11.5	0.918	0.724	0.4936	
									Infiltration		0.9				
120 minute winter	27	66	8.229	0.195	17.7	0.6705	0.0000	OK	3.002	28	16.4	1.195	0.813	0.4500	
									Infiltration		1.2				
120 minute winter	28	66	7.810	0.115	22.5	0.5191	0.0000	OK	3.003	29	21.5	1.325	0.912	0.5747	
									Infiltration		0.9				
120 minute winter	29	74	7.325	0.253	27.7	2.5122	0.0000	SURCHARGED	3.004	30	24.3	1.603	0.873	0.1195	
									Infiltration		1.8				
120 minute winter	30	68	7.232	0.407	25.4	0.0468	0.0000	OK	3.005	31	23.0	0.228	0.010	9.0551	
120 minute winter	31	68	7.232	0.537	24.1	0.0644	0.0000	OK	3.006	32	17.8	0.146	0.010	8.3174	
									Infiltration		2.8				

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120 minute winter	32	88	7.232	0.587	18.9	0.0704	0.0000	OK	3.007	33	11.7	0.085	0.008	7.4856
									Infiltration		2.1			
									Infiltration		2.2			
120 minute winter	33	88	7.232	0.457	12.8	0.0548	0.0000	OK	3.008	34	9.5	0.216	0.007	6.0709
120 minute winter	34	88	7.232	0.487	10.6	0.0584	0.0000	OK	3.009	35	8.3	0.229	0.003	5.2663
									Infiltration		1.9			
120 minute winter	35	88	7.232	0.557	7.3	0.0668	0.0000	OK	3.010	36	3.5	0.044	0.001	9.4918
									Infiltration		1.5			
120 minute winter	36	88	7.232	0.727	4.3	0.0828	0.0000	OK	3.011	37	1.3	0.490	0.088	0.0054
									Infiltration		2.3			
120 minute winter	37	90	6.677	0.172	1.8	0.0206	0.0000	OK	3.012	38	2.1	0.049	0.001	5.3786
120 minute winter	38	88	6.677	0.412	6.0	0.0494	0.0000	OK	3.013	39	-4.8	-0.094	-0.003	3.7736
									Infiltration		1.5			
									Infiltration		2.2			
120 minute winter	39	88	6.677	0.222	6.6	0.0266	0.0000	OK	3.014	40	-5.4	-0.264	-0.004	1.1575
									Infiltration		0.8			
120 minute winter	40	64	6.722	0.627	5.4	0.0033	0.0000	OK	3.015	41	-4.2	-0.303	-0.003	0.1816
									Infiltration		0.0			
120 minute winter	41	64	6.891	0.026	4.2	0.0031	0.0000	OK	3.016	42	-3.0	-0.258	-0.002	0.1521
									Infiltration		0.0			
120 minute winter	42	64	7.104	0.019	3.1	0.0023	0.0000	OK	3.017	43	-1.9	-0.159	-0.001	0.1471
									Infiltration		0.0			
120 minute winter	43	64	7.166	0.023	1.9	0.0028	0.0000	OK	3.018	44	-0.7	-0.082	0.000	0.1144
									Infiltration		0.0			
120 minute winter	44	64	7.238	0.011	1.2	0.0013	0.0000	OK	3.019	45	0.5	0.060	0.000	0.0932
120 minute winter	45	64	7.214	0.019	1.7	0.0023	0.0000	OK	3.020	46	1.6	0.157	0.001	0.1343
									Infiltration		0.0			
120 minute winter	46	64	7.145	0.021	2.8	0.0025	0.0000	OK	3.021	47	2.8	0.230	0.001	0.4273
									Infiltration		0.0			
120 minute winter	47	106	7.061	0.096	4.0	0.0115	0.0000	OK	3.022	48	3.9	0.140	0.001	1.6511
									Infiltration		0.1			
120 minute winter	48	114	7.061	0.286	5.1	0.0319	0.0000	OK	3.023	53	3.3	0.151	0.004	2.8669
									Infiltration		0.2			
120 minute winter	49	176	7.783	-0.217	1279.3	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
120 minute winter	50	2	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
120 minute winter	51	2	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
120 minute winter	52	2	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
120 minute winter	53	110	7.061	0.276	4.5	0.0331	0.0000	OK	3.024	54	2.9	0.154	0.001	4.3611
									Infiltration		0.3			
120 minute winter	54	104	7.061	0.436	3.5	0.0523	0.0000	OK	3.025	54_OUT	1.4	0.045	0.001	7.4308
									Infiltration		0.4			
120 minute winter	54_OUT	110	7.061	0.556	2.3	0.0667	0.0000	OK	Infiltration		0.5			

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120 minute winter	55	78	8.681	0.235	3.3	0.0799	0.0000	SURCHARGED	5.006	56	3.1	0.371	0.417	0.2949
120 minute winter	56	78	8.678	0.252	6.4	1.2438	0.0000	SURCHARGED	5.001	57	5.0	0.452	0.396	0.3709
									Infiltration		0.3			
120 minute winter	57	80	8.667	0.357	8.2	1.9336	0.0000	SURCHARGED	5.002	58	8.7	0.411	0.831	0.5462
									Infiltration		0.4			
120 minute winter	58	114	8.658	0.413	9.8	3.5158	0.0000	SURCHARGED	5.003	59	7.7	0.440	1.044	0.3806
									Infiltration		0.6			
120 minute winter	59	116	8.657	0.452	10.8	2.9150	0.0000	OK	5.004	60	6.8	0.101	0.009	15.4188
									Infiltration		0.5			
120 minute winter	60	116	8.657	0.472	9.7	0.1606	0.0000	OK	5.005	61	2.1	0.094	0.002	22.5457
									Infiltration		0.7			
120 minute winter	61	116	8.656	0.522	5.1	0.1773	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		1.0			
120 minute winter	62	118	8.227	0.091	3.3	0.0308	0.0000	OK	5.007	63	3.3	0.085	0.002	13.0371
120 minute winter	63	114	8.226	0.390	7.3	0.1325	0.0000	OK	5.008	63_OUT	-1.1	0.034	-0.001	9.7458
									Infiltration		0.9			
120 minute winter	63_OUT	114	8.225	0.461	3.3	0.1587	0.0000	OK	Infiltration		0.5			
120 minute winter	64	118	8.598	0.414	1.8	0.0682	0.0000	OK	6.000	65	0.7	0.083	0.000	4.3799
120 minute winter	65	120	8.598	0.474	2.4	0.0758	0.0000	OK	6.001	66	0.5	0.054	0.000	5.6392
									Infiltration		0.2			
120 minute winter	66	120	8.599	0.506	2.3	0.0799	0.0000	OK	6.002	67	-0.7	0.027	0.000	3.3111
									Infiltration		0.3			
120 minute winter	67	120	8.599	0.523	1.8	0.0810	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
120 minute winter	68	118	8.219	0.134	2.3	0.0208	0.0000	OK	6.004	69	1.5	0.047	0.000	7.1304
120 minute winter	69	118	8.209	0.444	3.1	0.0711	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
120 minute winter	70	118	8.043	0.288	1.8	0.0481	0.0000	OK	6.006	71	1.0	0.082	0.000	2.4571
120 minute winter	71	118	8.043	0.358	2.8	0.0573	0.0000	OK	6.007	72	0.4	0.015	0.000	7.5592
									Infiltration		0.1			
120 minute winter	72	118	8.043	0.358	1.9	0.0573	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0105
									Infiltration		0.4			
120 minute winter	73	120	8.283	0.578	1.8	0.0925	0.0000	OK	6.009	74	0.7	0.028	0.000	3.7279
120 minute winter	74	120	8.283	0.578	2.3	0.0925	0.0000	OK	6.010	75	0.6	0.072	0.000	4.2204
									Infiltration		0.1			
120 minute winter	75	120	8.283	0.578	2.0	0.0925	0.0000	OK	6.011	76	0.5	0.045	0.000	4.4226
									Infiltration		0.2			
120 minute winter	76	120	8.283	0.648	2.0	0.0985	0.0000	OK	6.012	75_OUT	-0.4	0.007	0.000	4.5101
									Infiltration		0.2			
120 minute winter	76_OUT	120	8.283	0.648	1.8	0.1037	0.0000	OK	Infiltration		0.2			

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Results for 100 year +30% 180 minute summer, 420 minute analysis at 4 minute timestep. Mass balance: 97.05%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	1	76	9.800	0.500	3.6	0.0000	0.0000	FLOOD RISK	1.000	2	-3.6	-0.116	-0.166	0.4853	
180 minute summer	2	76	9.800	0.550	8.3	0.0000	0.0000	FLOOD RISK	1.001	3	-8.3	-0.266	-0.418	1.1264	
180 minute summer	3	76	9.800	0.650	12.8	0.0000	0.0000	FLOOD RISK	1.002	4	-12.8	-0.409	-0.606	0.4986	
180 minute summer	4	76	9.800	0.700	16.2	0.0000	0.0000	FLOOD RISK	1.003	5	-16.2	-0.518	-0.704	0.8441	
180 minute summer	5	72	9.800	0.800	18.5	0.0000	0.0000	FLOOD RISK	1.004	6	-18.5	-0.592	-0.485	0.1621	
180 minute summer	6	72	9.800	0.900	68.6	31.3223	0.0000	FLOOD RISK	1.005	7	84.1	1.311	1.322	0.7796	
180 minute summer	7	72	9.800	1.050	90.0	15.6476	0.0000	FLOOD RISK	1.006	8	95.0	1.221	1.353	2.4923	
180 minute summer	8	72	9.800	1.250	155.8	26.5936	0.0000	FLOOD RISK	1.007	9	158.7	1.268	1.467	5.9230	
180 minute summer	9	76	9.800	1.450	273.9	37.5508	0.0000	FLOOD RISK	1.008	10	268.8	1.375	1.134	3.1360	
180 minute summer	10	76	9.800	1.500	289.6	6.8215	0.0000	FLOOD RISK	1.009	11	290.0	1.483	1.982	47.8613	
180 minute summer	11	76	9.800	1.800	290.0	0.0000	0.0000	FLOOD RISK	1.010	12	291.8	1.492	1.013	53.3278	
180 minute summer	12	40	7.750	1.000	291.8	0.0000	0.0000	FLOOD RISK	1.011	13	370.1	2.217	1.885	0.3595	
180 minute summer	13	96	9.745	0.245	370.1	0.0000	0.0000	OK	1.012	13_OUT	379.8	6.953	0.367	0.4510	
180 minute summer	13_OUT	104	8.186	0.653	379.8	0.0000	0.0000	OK	Flow through pond	49	733.0	0.071	0.000	2260.5974	
180 minute summer	14	72	9.800	0.500	1.9	0.0000	0.0000	FLOOD RISK	2.000	15	-1.9	-0.061	-0.083	0.8136	
180 minute summer	15	68	9.800	0.714	52.5	20.3902	0.0000	FLOOD RISK	2.001	16	49.7	1.016	1.024	0.9254	
180 minute summer	16	72	9.800	0.809	49.7	0.0000	0.0000	FLOOD RISK	2.002	17	51.1	1.045	1.037	0.6320	
180 minute summer	17	72	9.800	0.941	72.2	8.1533	0.0000	FLOOD RISK	2.003	18	74.3	0.954	0.951	1.8756	
180 minute summer	18	72	9.800	1.119	130.9	17.1084	0.0000	FLOOD RISK	2.004	19	133.3	1.065	1.059	5.4890	
180 minute summer	19	72	9.800	1.344	237.5	25.3400	0.0000	FLOOD RISK	2.005	20	233.9	1.196	1.186	4.0628	
180 minute summer	20	72	9.800	1.389	233.9	0.0000	0.0000	FLOOD RISK	2.006	21	234.6	1.204	1.186	3.4979	
180 minute summer	21	72	9.800	1.428	234.6	0.0000	0.0000	FLOOD RISK	2.007	22	235.3	1.203	0.395	3.7404	
180 minute summer	22	72	9.800	1.800	301.3	13.4442	0.0000	FLOOD RISK	2.008	23	297.5	1.521	1.033	53.3017	
180 minute summer	23	36	7.750	1.000	297.5	0.0000	0.0000	FLOOD RISK	2.009	24	502.4	3.151	2.559	0.3523	
180 minute summer	24	104	9.733	0.233	502.4	0.0000	0.0000	OK	2.010	24_OUT	262.2	6.677	0.212	0.4189	
180 minute summer	24_OUT	96	8.118	0.585	262.2	0.0000	0.0000	OK	Flow through pond	49	733.0	0.071	0.000	2260.5974	
180 minute summer	25	96	8.855	0.059	5.9	0.0378	0.0000	OK	3.000	26	5.9	0.672	0.329	0.3155	
180 minute summer	26	96	8.528	0.093	11.8	0.4270	0.0000	OK	3.001	27	10.9	0.909	0.689	0.4600	
									Infiltration		0.8				
180 minute summer	27	96	8.216	0.101	16.8	0.6236	0.0000	OK	3.002	28	15.6	1.186	0.772	0.4280	
									Infiltration		1.2				
180 minute summer	28	96	7.883	0.108	21.5	0.4857	0.0000	OK	3.003	29	20.6	1.326	0.871	0.5594	
									Infiltration		0.8				
180 minute summer	29	100	7.257	0.182	28.5	1.0727	0.0000	SURCHARGED	3.004	30	23.2	1.577	0.835	0.1195	
									Infiltration		1.0				
180 minute summer	30	116	7.175	0.350	24.3	0.0425	0.0000	OK	3.005	31	22.0	0.186	0.009	7.5053	
180 minute summer	31	116	7.175	0.480	23.1	0.0576	0.0000	OK	3.006	32	17.0	0.149	0.010	7.0709	
									Infiltration		2.5				
180 minute summer	32	116	7.175	0.530	18.1	0.0636	0.0000	OK	3.007	33	11.2	0.072	0.007	6.3026	

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									Infiltration		1.9				
									Infiltration		2.1				
180 minute summer	33	116	7.175	0.400	12.3	0.0480	0.0000	OK	S.008	34	9.2	0.190	0.007	5.0228	
180 minute summer	34	116	7.175	0.430	10.3	0.0516	0.0000	OK	S.009	35	6.1	0.175	0.002	4.4292	
									Infiltration		1.7				
180 minute summer	35	116	7.175	0.500	7.2	0.0600	0.0000	OK	S.010	36	2.9	0.034	0.001	8.2264	
									Infiltration		1.4				
180 minute summer	36	116	7.175	0.670	4.0	0.0764	0.0000	OK	S.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		2.1				
180 minute summer	37	112	6.832	0.127	1.1	0.0152	0.0000	OK	S.012	38	1.0	0.034	0.000	4.3489	
180 minute summer	38	112	6.831	0.368	5.7	0.0440	0.0000	OK	S.013	39	-4.1	-0.075	-0.003	3.0758	
									Infiltration		1.4				
									Infiltration		2.0				
180 minute summer	39	112	6.831	0.178	6.1	0.0211	0.0000	OK	S.014	40	-5.0	-0.254	-0.003	0.8804	
									Infiltration		0.6				
180 minute summer	40	96	6.721	0.025	5.0	0.0031	0.0000	OK	S.015	41	-3.9	-0.294	-0.003	0.1725	
									Infiltration		0.0				
180 minute summer	41	96	6.889	0.024	3.9	0.0029	0.0000	OK	S.018	42	-2.8	-0.250	-0.002	0.1448	
									Infiltration		0.0				
180 minute summer	42	96	7.103	0.018	2.8	0.0022	0.0000	OK	S.017	43	-1.7	-0.164	-0.001	0.1399	
									Infiltration		0.0				
180 minute summer	43	96	7.167	0.022	1.8	0.0027	0.0000	OK	S.018	44	-0.7	-0.080	0.000	0.1087	
									Infiltration		0.0				
180 minute summer	44	96	7.236	0.011	1.1	0.0013	0.0000	OK	S.019	45	0.4	0.058	0.000	0.0885	
180 minute summer	45	96	7.213	0.018	1.5	0.0021	0.0000	OK	S.020	46	1.5	0.152	0.001	0.1278	
									Infiltration		0.0				
180 minute summer	46	96	7.145	0.020	2.6	0.0024	0.0000	OK	S.021	47	2.5	0.223	0.001	0.2906	
									Infiltration		0.0				
180 minute summer	47	144	7.032	0.067	3.6	0.0080	0.0000	OK	S.022	48	3.6	0.124	0.001	1.5105	
									Infiltration		0.1				
180 minute summer	48	144	7.032	0.237	4.7	0.0284	0.0000	OK	S.023	53	3.0	0.125	0.004	2.4877	
									Infiltration		0.2				
180 minute summer	49	168	7.775	-0.225	749.2	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
180 minute summer	50	4	7.400	0.000	0.0	0.0000	0.0000	OK	S.001	51	0.0	0.000	0.000	0.0000	
180 minute summer	51	4	7.300	0.000	0.0	0.0000	0.0000	OK	S.002	52	0.0	0.000	0.000	0.0000	
180 minute summer	52	4	7.200	0.000	0.0	0.0000	0.0000	OK	S.003	53	0.0	0.000	0.000	0.0000	
180 minute summer	53	144	7.032	0.247	4.1	0.0296	0.0000	OK	S.024	54	2.2	0.117	0.001	3.8862	
									Infiltration		0.3				
180 minute summer	54	144	7.032	0.467	3.3	0.0468	0.0000	OK	S.025	54_OUT	0.9	0.037	0.000	8.8063	
									Infiltration		0.3				
180 minute summer	54_OUT	144	7.032	0.527	1.9	0.0633	0.0000	OK	Infiltration		0.5				
180 minute summer	55	104	6.831	0.185	3.2	0.0529	0.0000	SURCHARGED	S.000	56	2.8	0.372	0.384	0.2949	
180 minute summer	56	104	6.828	0.212	6.0	0.9748	0.0000	SURCHARGED	S.001	57	4.9	0.435	0.391	0.3709	

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								Infiltration		0.3					
180 minute summer	57	108	8.619	0.309	7.8	1.8125	0.0000 SURCHARGED	5.002	58	8.2	0.360	0.779	0.5462		
								Infiltration		0.4					
180 minute summer	58	140	8.615	0.370	9.3	3.0990	0.0000 SURCHARGED	5.003	59	7.2	0.412	0.976	0.3906		
								Infiltration		0.6					
180 minute summer	59	144	8.614	0.409	10.3	2.6122	0.0000 OK	5.004	60	6.0	0.075	0.008	13.3492		
								Infiltration		0.4					
180 minute summer	60	144	8.614	0.429	9.1	0.1459	0.0000 OK	5.005	61	1.8	0.050	0.002	19.6938		
								Infiltration		0.7					
180 minute summer	61	144	8.614	0.478	4.6	0.1626	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		0.9					
180 minute summer	62	144	8.201	0.065	3.2	0.0222	0.0000 OK	5.007	63	3.2	0.057	0.002	11.4838		
180 minute summer	63	148	8.201	0.365	6.9	0.1240	0.0000 OK	5.008	63_OUT	-0.8	0.028	0.000	8.9224		
								Infiltration		0.8					
180 minute summer	63_OUT	148	8.201	0.438	3.2	0.1481	0.0000 OK	Infiltration		0.5					
180 minute summer	64	168	8.560	0.375	1.5	0.0800	0.0000 OK	6.000	65	0.5	0.053	0.000	3.8317		
180 minute summer	65	168	8.560	0.435	2.2	0.0696	0.0000 OK	6.001	66	0.3	0.044	0.000	5.1836		
								Infiltration		0.2					
180 minute summer	66	168	8.560	0.487	2.2	0.0738	0.0000 OK	6.002	67	-0.7	0.022	0.000	2.9427		
								Infiltration		0.2					
180 minute summer	67	168	8.560	0.484	1.5	0.0750	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
180 minute summer	68	148	8.181	0.165	1.9	0.0163	0.0000 OK	6.004	69	1.4	0.031	0.000	6.2774		
180 minute summer	69	164	8.181	0.416	2.9	0.0666	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
180 minute summer	70	164	8.009	0.254	1.5	0.0406	0.0000 OK	6.006	71	0.9	0.058	0.000	2.1068		
180 minute summer	71	164	8.009	0.324	2.4	0.0518	0.0000 OK	6.007	72	0.3	0.011	0.000	5.5828		
								Infiltration		0.1					
180 minute summer	72	164	8.009	0.324	1.6	0.0518	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0040		
								Infiltration		0.4					
180 minute summer	73	168	8.240	0.535	1.5	0.0856	0.0000 OK	6.009	74	0.6	0.021	0.000	3.3151		
180 minute summer	74	168	8.240	0.535	2.1	0.0856	0.0000 OK	6.010	75	0.4	0.051	0.000	3.7539		
								Infiltration		0.1					
180 minute summer	75	168	8.240	0.535	1.9	0.0856	0.0000 OK	6.011	76	0.4	0.037	0.000	3.9575		
								Infiltration		0.2					
180 minute summer	76	168	8.240	0.505	1.9	0.0920	0.0000 OK	6.012	76_OUT	-0.4	0.006	0.000	4.0562		
								Infiltration		0.2					
180 minute summer	76_OUT	168	8.240	0.605	1.5	0.0968	0.0000 OK	Infiltration		0.2					

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Results for 100 year +30% 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 97.38%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	1	68	9.800	0.500	7.3	0.0000	0.0000	FLOOD RISK	1.000	2	-7.3	-0.233	-0.333	0.4653	
180 minute winter	2	68	9.800	0.550	11.1	0.0000	0.0000	FLOOD RISK	1.001	3	-11.1	-0.356	-0.580	1.1284	
180 minute winter	3	68	9.800	0.650	17.4	0.0000	0.0000	FLOOD RISK	1.002	4	-17.4	-0.555	-0.821	0.4986	
180 minute winter	4	68	9.800	0.700	22.5	0.0000	0.0000	FLOOD RISK	1.003	5	-22.5	-0.720	-0.978	0.8441	
180 minute winter	5	68	9.800	0.800	25.1	0.0000	0.0000	FLOOD RISK	1.004	6	-25.1	-0.801	-0.670	0.1621	
180 minute winter	6	68	9.800	0.900	53.0	24.7589	0.0000	FLOOD RISK	1.005	7	52.1	1.085	1.075	0.7796	
180 minute winter	7	64	9.800	1.050	78.3	12.5135	0.0000	FLOOD RISK	1.006	8	79.9	1.028	1.138	2.4823	
180 minute winter	8	68	9.800	1.250	135.7	21.6022	0.0000	FLOOD RISK	1.007	9	136.4	1.090	1.281	5.9230	
180 minute winter	9	68	9.800	1.450	231.4	31.0178	0.0000	FLOOD RISK	1.008	10	230.6	1.179	0.973	3.1360	
180 minute winter	10	68	9.800	1.500	248.6	5.6603	0.0000	FLOOD RISK	1.009	11	248.6	1.271	1.663	47.8613	
180 minute winter	11	68	9.800	1.800	248.6	0.0000	0.0000	FLOOD RISK	1.010	12	249.6	1.276	0.867	53.3276	
180 minute winter	12	36	7.750	1.000	249.8	0.0000	0.0000	FLOOD RISK	1.011	13	409.3	2.609	2.085	0.3418	
180 minute winter	13	92	9.716	0.216	409.3	0.0000	0.0000	OK	1.012	13_OUT	331.4	6.928	0.288	0.3825	
180 minute winter	13_OUT	100	8.112	0.579	331.4	0.0000	0.0000	OK	Flow through pond	49	959.4	0.077	0.000	2575.4893	
180 minute winter	14	60	9.800	0.500	3.1	0.0000	0.0000	FLOOD RISK	2.000	15	-3.1	-0.098	-0.152	0.8136	
180 minute winter	15	60	9.800	0.714	40.4	15.3360	0.0000	FLOOD RISK	2.001	16	39.8	0.823	0.822	0.9254	
180 minute winter	16	60	9.800	0.809	39.8	0.0000	0.0000	FLOOD RISK	2.002	17	40.2	0.823	0.817	0.8329	
180 minute winter	17	60	9.800	0.941	59.7	6.3596	0.0000	FLOOD RISK	2.003	18	60.2	0.787	0.770	1.8750	
180 minute winter	18	60	9.800	1.119	106.2	13.6597	0.0000	FLOOD RISK	2.004	19	105.9	0.870	0.885	5.4890	
180 minute winter	19	60	9.800	1.344	193.3	20.7552	0.0000	FLOOD RISK	2.005	20	193.0	0.987	0.979	4.0628	
180 minute winter	20	60	9.800	1.389	193.0	0.0000	0.0000	FLOOD RISK	2.006	21	193.1	1.253	0.976	3.4979	
180 minute winter	21	60	9.800	1.428	193.1	0.0000	0.0000	FLOOD RISK	2.007	22	193.2	1.172	0.324	3.7404	
180 minute winter	22	64	9.800	1.800	247.0	11.4619	0.0000	FLOOD RISK	2.008	23	247.3	1.285	0.859	53.3017	
180 minute winter	23	32	7.750	1.000	247.3	0.0000	0.0000	FLOOD RISK	2.009	24	386.2	2.618	1.977	0.3443	
180 minute winter	24	100	9.720	0.220	386.2	0.0000	0.0000	OK	2.010	24_OUT	322.3	6.825	0.260	0.4071	
180 minute winter	24_OUT	108	8.082	0.549	322.3	0.0000	0.0000	OK	Flow through pond	49	959.4	0.077	0.000	2575.4893	
180 minute winter	25	96	8.648	0.052	4.6	0.0331	0.0000	OK	3.000	26	4.6	0.629	0.256	0.2603	
180 minute winter	26	96	8.514	0.079	9.2	0.3179	0.0000	OK	3.001	27	8.5	0.884	0.535	0.3925	
									Infiltration		0.7				
180 minute winter	27	96	8.203	0.085	13.1	0.4521	0.0000	OK	3.002	28	12.1	1.131	0.601	0.3496	
									Infiltration		1.0				
180 minute winter	28	96	7.785	0.090	16.7	0.3358	0.0000	OK	3.003	29	16.0	1.273	0.679	0.5029	
									Infiltration		0.7				
180 minute winter	29	112	7.241	0.176	20.8	0.9083	0.0000	SURCHARGED	3.004	30	19.4	1.529	0.699	0.1195	
									Infiltration		1.2				
180 minute winter	30	124	7.197	0.372	20.3	0.0446	0.0000	OK	3.005	31	18.7	0.194	0.008	8.9818	
180 minute winter	31	124	7.197	0.502	18.6	0.0602	0.0000	OK	3.006	32	14.4	0.111	0.006	7.5358	
									Infiltration		2.6				

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180 minute winter	32	124	7.197	0.552	15.3	0.0662	0.0000	OK	3.007	33	9.1	0.071	0.006	6.7432
									Infiltration		2.0			
									Infiltration		2.1			
180 minute winter	33	124	7.197	0.422	10.0	0.0506	0.0000	OK	3.008	34	7.7	0.195	0.005	5.4122
180 minute winter	34	124	7.197	0.452	8.6	0.0542	0.0000	OK	3.009	35	5.2	0.178	0.002	4.7416
									Infiltration		1.8			
180 minute winter	35	124	7.197	0.522	6.1	0.0626	0.0000	OK	3.010	36	2.5	0.034	0.001	8.5993
									Infiltration		1.4			
180 minute winter	36	124	7.197	0.892	3.4	0.0788	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		2.2			
180 minute winter	37	120	6.637	0.132	1.1	0.0158	0.0000	OK	3.012	38	0.8	0.034	0.000	4.4685
180 minute winter	38	120	6.637	0.372	4.5	0.0446	0.0000	OK	3.013	39	-3.5	-0.075	-0.002	3.1584
									Infiltration		1.4			
									Infiltration		2.0			
180 minute winter	39	120	6.637	0.182	4.9	0.0218	0.0000	OK	3.014	40	-4.0	-0.254	-0.003	0.9133
									Infiltration		0.7			
180 minute winter	40	96	6.718	0.023	4.1	0.0028	0.0000	OK	3.015	41	-3.2	-0.272	-0.002	0.1522
									Infiltration		0.0			
180 minute winter	41	96	6.887	0.022	3.2	0.0026	0.0000	OK	3.016	42	-2.3	-0.232	-0.002	0.1275
									Infiltration		0.0			
180 minute winter	42	96	7.101	0.016	2.3	0.0020	0.0000	OK	3.017	43	-1.4	-0.152	-0.001	0.1235
									Infiltration		0.0			
180 minute winter	43	96	7.165	0.020	1.5	0.0024	0.0000	OK	3.018	44	-0.8	-0.074	0.000	0.0981
									Infiltration		0.0			
180 minute winter	44	96	7.234	0.009	0.9	0.0011	0.0000	OK	3.019	45	0.3	0.054	0.000	0.0781
180 minute winter	45	96	7.211	0.016	1.2	0.0019	0.0000	OK	3.020	46	1.2	0.141	0.001	0.1125
									Infiltration		0.0			
180 minute winter	46	96	7.142	0.017	2.1	0.0021	0.0000	OK	3.021	47	2.1	0.207	0.001	0.4376
									Infiltration		0.0			
180 minute winter	47	140	7.083	0.098	3.0	0.0118	0.0000	OK	3.022	48	3.0	0.123	0.001	1.6797
									Infiltration		0.1			
180 minute winter	48	140	7.083	0.288	3.9	0.0322	0.0000	OK	3.023	53	2.4	0.125	0.003	2.9000
									Infiltration		0.2			
180 minute winter	49	220	7.816	-0.190	983.1	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
180 minute winter	50	4	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
180 minute winter	51	4	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
180 minute winter	52	4	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
180 minute winter	53	144	7.083	0.278	3.3	0.0334	0.0000	OK	3.024	54	2.1	0.144	0.001	4.4008
									Infiltration		0.3			
180 minute winter	54	144	7.083	0.438	2.6	0.0526	0.0000	OK	3.025	54_OUT	0.9	0.037	0.000	7.4836
									Infiltration		0.4			
180 minute winter	54_OUT	144	7.083	0.558	1.7	0.0670	0.0000	OK	Infiltration		0.5			

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180 minute winter	55	148	8.659	0.213	2.4	0.0723	0.0000	SURCHARGED	5.000	58	2.2	0.349	0.298	0.2949
180 minute winter	58	148	8.658	0.243	4.5	1.1373	0.0000	SURCHARGED	5.001	57	3.7	0.419	0.294	0.3709
									Infiltration		0.3			
180 minute winter	57	148	8.658	0.348	6.0	1.8717	0.0000	SURCHARGED	5.002	58	5.0	0.359	0.619	0.5462
									Infiltration		0.4			
180 minute winter	58	148	8.657	0.412	7.3	3.5109	0.0000	SURCHARGED	5.003	59	5.7	0.341	0.769	0.3906
									Infiltration		0.6			
180 minute winter	59	148	8.657	0.452	8.0	2.9102	0.0000	OK	5.004	60	4.8	0.085	0.007	15.3851
									Infiltration		0.5			
180 minute winter	60	148	8.657	0.472	7.1	0.1604	0.0000	OK	5.005	61	1.6	0.055	0.002	22.4988
									Infiltration		0.7			
180 minute winter	61	148	8.657	0.521	3.9	0.1771	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		1.0			
180 minute winter	62	152	8.229	0.093	2.9	0.0315	0.0000	OK	5.007	63	2.4	0.073	0.001	13.1864
180 minute winter	63	148	8.228	0.392	5.4	0.1334	0.0000	OK	5.008	63_OUT	-0.9	0.030	-0.001	9.8308
									Infiltration		0.9			
180 minute winter	63_OUT	148	8.228	0.463	2.4	0.1575	0.0000	OK	Infiltration		0.5			
180 minute winter	64	176	6.591	0.406	1.1	0.0650	0.0000	OK	6.000	65	0.5	0.054	0.000	4.2730
180 minute winter	65	176	6.591	0.486	1.6	0.0748	0.0000	OK	6.001	66	0.4	0.050	0.000	5.7074
									Infiltration		0.2			
180 minute winter	66	176	6.591	0.498	1.6	0.0787	0.0000	OK	6.002	67	-0.5	0.023	0.000	3.2392
									Infiltration		0.3			
180 minute winter	67	176	6.591	0.515	1.1	0.0799	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
180 minute winter	68	152	6.200	0.124	1.5	0.0193	0.0000	OK	6.004	69	1.1	0.037	0.000	6.8452
180 minute winter	69	144	6.200	0.435	2.2	0.0897	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
180 minute winter	70	172	6.032	0.277	1.1	0.0443	0.0000	OK	6.006	71	0.7	0.043	0.000	2.3416
180 minute winter	71	172	6.032	0.347	1.8	0.0555	0.0000	OK	6.007	72	0.3	0.013	0.000	7.2309
									Infiltration		0.1			
180 minute winter	72	172	6.032	0.347	1.4	0.0555	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0100
									Infiltration		0.4			
180 minute winter	73	176	6.279	0.574	1.1	0.0919	0.0000	OK	6.009	74	0.5	0.022	0.000	3.5929
180 minute winter	74	176	6.279	0.574	1.8	0.0919	0.0000	OK	6.010	75	0.4	0.058	0.000	4.1816
									Infiltration		0.1			
180 minute winter	75	176	6.279	0.574	1.4	0.0919	0.0000	OK	6.011	76	0.5	0.037	0.000	4.3839
									Infiltration		0.2			
180 minute winter	76	176	6.279	0.644	1.4	0.0979	0.0000	OK	6.012	75_OUT	-0.3	-0.007	0.000	4.4724
									Infiltration		0.2			
180 minute winter	76_OUT	176	6.279	0.644	1.1	0.1031	0.0000	OK	Infiltration		0.2			

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Results for 100 year +30% 240 minute summer, 480 minute analysis at 4 minute timestep. Mass balance: 87.22%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	1	96	9.800	0.500	1.6	0.0000	0.0000	FLOOD RISK	1.000	2	-1.6	-0.050	-0.072	0.4853	
240 minute summer	2	96	9.800	0.550	3.1	0.0000	0.0000	FLOOD RISK	1.001	3	-3.1	-0.099	-0.156	1.1264	
240 minute summer	3	96	9.800	0.650	13.9	0.0000	0.0000	FLOOD RISK	1.002	4	-13.9	-0.533	-0.659	0.4988	
240 minute summer	4	96	9.800	0.700	16.3	0.0000	0.0000	FLOOD RISK	1.003	5	-16.3	-0.520	-0.706	0.8441	
240 minute summer	5	96	9.800	0.800	17.3	0.0000	0.0000	FLOOD RISK	1.004	6	-17.3	-0.554	-0.484	0.1821	
240 minute summer	6	96	9.800	0.900	57.4	24.9707	0.0000	FLOOD RISK	1.005	7	54.1	1.106	1.116	0.7796	
240 minute summer	7	96	9.800	1.050	75.8	12.5686	0.0000	FLOOD RISK	1.006	8	81.5	1.047	1.181	2.4923	
240 minute summer	8	96	9.800	1.250	136.2	21.7482	0.0000	FLOOD RISK	1.007	9	137.8	1.101	1.274	5.9230	
240 minute summer	9	96	9.800	1.450	235.0	31.2549	0.0000	FLOOD RISK	1.008	10	231.5	1.184	0.976	3.1360	
240 minute summer	10	96	9.800	1.500	250.7	5.7035	0.0000	FLOOD RISK	1.009	11	250.1	1.279	1.692	47.8613	
240 minute summer	11	100	9.800	1.800	250.1	0.0000	0.0000	FLOOD RISK	1.010	12	249.5	1.275	0.886	53.3278	
240 minute summer	12	48	7.750	1.000	249.5	0.0000	0.0000	FLOOD RISK	1.011	13	412.7	2.656	2.102	0.3261	
240 minute summer	13	124	9.690	0.190	412.7	0.0000	0.0000	OK	1.012	13_OUT	320.6	6.791	0.259	0.3513	
240 minute summer	13_OUT	132	8.082	0.548	320.6	0.0000	0.0000	OK	Flow through pond	49	540.1	0.056	0.000	2428.7207	
240 minute summer	14	96	9.800	0.500	1.7	0.0000	0.0000	FLOOD RISK	2.000	15	2.2	0.072	0.074	0.8136	
240 minute summer	15	96	9.800	0.714	43.8	16.0524	0.0000	FLOOD RISK	2.001	16	41.8	0.855	0.893	0.9254	
240 minute summer	16	96	9.800	0.809	41.8	0.0000	0.0000	FLOOD RISK	2.002	17	42.6	0.870	0.864	0.6320	
240 minute summer	17	96	9.800	0.941	61.0	6.6325	0.0000	FLOOD RISK	2.003	18	63.1	0.811	0.807	1.8756	
240 minute summer	18	96	9.800	1.119	111.7	14.2001	0.0000	FLOOD RISK	2.004	19	111.7	0.893	0.888	5.4899	
240 minute summer	19	100	9.800	1.344	199.2	21.4812	0.0000	FLOOD RISK	2.005	20	199.3	1.019	1.011	4.0528	
240 minute summer	20	100	9.800	1.389	199.3	0.0000	0.0000	FLOOD RISK	2.006	21	199.4	1.130	1.008	3.4979	
240 minute summer	21	100	9.800	1.428	199.4	0.0000	0.0000	FLOOD RISK	2.007	22	199.3	1.041	0.335	3.7404	
240 minute summer	22	100	9.800	1.800	255.5	11.7748	0.0000	FLOOD RISK	2.008	23	257.3	1.316	0.893	53.3017	
240 minute summer	23	44	7.750	1.000	257.3	0.0000	0.0000	FLOOD RISK	2.009	24	391.6	2.668	1.994	0.3519	
240 minute summer	24	132	9.732	0.232	391.6	0.0000	0.0000	OK	2.010	24_OUT	336.4	6.648	0.272	0.4282	
240 minute summer	24_OUT	124	8.115	0.582	336.4	0.0000	0.0000	OK	Flow through pond	49	540.1	0.056	0.000	2428.7207	
240 minute summer	25	124	8.849	0.053	4.9	0.0341	0.0000	OK	3.000	26	4.9	0.639	0.272	0.2703	
240 minute summer	26	124	8.516	0.081	9.8	0.3338	0.0000	OK	3.001	27	8.9	0.874	0.559	0.4650	
									Infiltration		0.7				
240 minute summer	27	124	8.202	0.087	13.8	0.4713	0.0000	OK	3.002	28	12.5	1.139	0.621	0.3589	
									Infiltration		1.0				
240 minute summer	28	124	7.787	0.092	17.4	0.3500	0.0000	OK	3.003	29	16.6	1.295	0.701	0.4854	
									Infiltration		0.7				
240 minute summer	29	128	7.181	0.118	21.4	0.4061	0.0000	OK	3.004	30	20.7	1.557	0.743	0.1991	
									Infiltration		0.7				
240 minute summer	30	148	7.149	0.324	21.6	0.0389	0.0000	OK	3.005	31	19.8	0.171	0.008	6.8567	
240 minute summer	31	148	7.149	0.454	20.7	0.0545	0.0000	OK	3.006	32	15.3	0.124	0.008	6.5452	
									Infiltration		2.4				
240 minute summer	32	148	7.149	0.504	18.2	0.0605	0.0000	OK	3.007	33	9.8	0.073	0.007	5.8051	

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									Infiltration		1.9				
									Infiltration		2.6				
240 minute summer	33	148	7.149	0.374	10.7	0.0449	0.0000	OK	S.008	34	8.1	0.199	0.006	4.5833	
240 minute summer	34	148	7.149	0.464	9.0	0.0485	0.0000	OK	S.009	35	5.3	0.182	0.002	4.0772	
									Infiltration		1.6				
240 minute summer	35	148	7.149	0.474	8.2	0.0569	0.0000	OK	S.010	36	2.7	0.034	0.001	7.6898	
									Infiltration		1.3				
240 minute summer	36	148	7.149	0.644	3.6	0.0735	0.0000	OK	S.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		2.1				
240 minute summer	37	144	6.815	0.110	1.3	0.0132	0.0000	OK	S.012	38	0.9	0.034	0.000	3.9908	
240 minute summer	38	144	6.815	0.350	4.8	0.0420	0.0000	OK	S.013	39	-3.9	-0.075	-0.003	2.8378	
									Infiltration		1.3				
									Infiltration		1.9				
240 minute summer	39	144	6.815	0.160	5.0	0.0192	0.0000	OK	S.014	40	-4.1	-0.254	-0.003	0.7559	
									Infiltration		0.6				
240 minute summer	40	128	6.718	0.023	4.1	0.0025	0.0000	OK	S.015	41	-3.2	-0.270	-0.002	0.1525	
									Infiltration		0.0				
240 minute summer	41	128	6.887	0.022	3.2	0.0026	0.0000	OK	S.016	42	-2.3	-0.232	-0.002	0.1278	
									Infiltration		0.0				
240 minute summer	42	128	7.101	0.015	2.3	0.0020	0.0000	OK	S.017	43	-1.4	-0.152	-0.001	0.1235	
									Infiltration		0.0				
240 minute summer	43	128	7.165	0.020	1.5	0.0024	0.0000	OK	S.018	44	-0.6	-0.074	0.000	0.0981	
									Infiltration		0.0				
240 minute summer	44	128	7.234	0.009	0.9	0.0011	0.0000	OK	S.019	45	0.3	0.054	0.000	0.0782	
240 minute summer	45	128	7.211	0.016	1.2	0.0019	0.0000	OK	S.020	46	1.2	0.141	0.001	0.1128	
									Infiltration		0.0				
240 minute summer	46	128	7.142	0.017	2.1	0.0021	0.0000	OK	S.021	47	2.1	0.207	0.001	0.2304	
									Infiltration		0.0				
240 minute summer	47	172	7.032	0.067	3.0	0.0080	0.0000	OK	S.022	48	3.0	0.117	0.001	1.5088	
									Infiltration		0.1				
240 minute summer	48	172	7.032	0.237	3.9	0.0284	0.0000	OK	S.023	53	2.5	0.114	0.003	2.4841	
									Infiltration		0.2				
240 minute summer	49	248	7.792	-0.268	636.5	0.0000	0.0000	OK	Office	50	0.0				
									Infiltration		0.0				
240 minute summer	50	4	7.460	0.000	0.0	0.0000	0.0000	OK	S.001	51	0.0	0.000	0.000	0.0000	
240 minute summer	51	4	7.300	0.000	0.0	0.0000	0.0000	OK	S.002	52	0.0	0.000	0.000	0.0000	
240 minute summer	52	4	7.200	0.000	0.0	0.0000	0.0000	OK	S.003	53	0.0	0.000	0.000	0.0000	
240 minute summer	53	172	7.032	0.247	3.4	0.0296	0.0000	OK	S.024	54	1.8	0.117	0.001	3.8807	
									Infiltration		0.3				
240 minute summer	54	172	7.032	0.407	2.7	0.0488	0.0000	OK	S.025	54_OUT	0.7	0.037	0.000	8.7982	
									Infiltration		0.3				
240 minute summer	54_OUT	172	7.032	0.527	1.6	0.0632	0.0000	OK	Infiltration		0.5				
240 minute summer	55	172	6.810	0.164	2.6	0.0558	0.0000	SURCHARGED	S.000	56	2.4	0.350	0.320	0.2949	
240 minute summer	56	172	6.810	0.194	4.8	0.8764	0.0000	SURCHARGED	S.001	57	3.8	0.406	0.304	0.3709	

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								Infiltration		0.3					
240 minute summer	57	172	8.610	0.300	5.2	1.5486	0.0000 SURCHARGED	5.002	58	5.1	0.329	0.832	0.5462		
								Infiltration		0.4					
240 minute summer	58	172	8.609	0.364	7.6	3.0417	0.0000 SURCHARGED	5.003	59	5.9	0.334	0.794	0.3906		
								Infiltration		0.6					
240 minute summer	59	176	8.608	0.403	8.4	2.5708	0.0000 OK	5.004	60	5.0	0.072	0.007	13.0767		
								Infiltration		0.4					
240 minute summer	60	176	8.608	0.423	7.5	0.1439	0.0000 OK	5.005	61	1.6	0.045	0.002	19.3180		
								Infiltration		0.6					
240 minute summer	61	176	8.608	0.472	4.1	0.1608	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		0.9					
240 minute summer	62	172	8.200	0.064	2.8	0.0217	0.0000 OK	5.007	63	2.5	0.062	0.001	11.3895		
240 minute summer	63	176	8.199	0.363	5.8	0.1236	0.0000 OK	5.008	63_OUT	-0.7	0.024	0.000	8.8834		
								Infiltration		0.8					
240 minute summer	63_OUT	176	8.199	0.434	2.6	0.1477	0.0000 OK	Infiltration		0.5					
240 minute summer	64	196	8.554	0.369	1.2	0.0590	0.0000 OK	6.000	65	0.5	0.050	0.000	3.7513		
240 minute summer	65	196	8.554	0.429	1.8	0.0686	0.0000 OK	6.001	66	0.2	0.044	0.000	5.0838		
								Infiltration		0.2					
240 minute summer	66	196	8.554	0.481	1.7	0.0728	0.0000 OK	6.002	67	-0.5	0.022	0.000	2.8881		
								Infiltration		0.2					
240 minute summer	67	196	8.554	0.478	1.2	0.0741	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
240 minute summer	68	188	8.178	0.102	1.5	0.0158	0.0000 OK	6.004	69	1.2	0.031	0.000	6.1924		
240 minute summer	69	184	8.178	0.413	2.3	0.0661	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
240 minute summer	70	192	8.003	0.248	1.2	0.0397	0.0000 OK	6.006	71	0.8	0.058	0.000	2.0524		
240 minute summer	71	192	8.003	0.318	2.0	0.0509	0.0000 OK	6.007	72	0.3	0.011	0.000	5.4077		
								Infiltration		0.1					
240 minute summer	72	192	8.003	0.318	1.5	0.0509	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
240 minute summer	73	196	8.235	0.530	1.2	0.0847	0.0000 OK	6.009	74	0.5	0.016	0.000	3.2625		
240 minute summer	74	196	8.235	0.530	1.7	0.0847	0.0000 OK	6.010	75	0.3	0.043	0.000	3.6944		
								Infiltration		0.1					
240 minute summer	75	196	8.235	0.530	1.5	0.0847	0.0000 OK	6.011	76	0.3	0.037	0.000	3.8983		
								Infiltration		0.2					
240 minute summer	76	196	8.235	0.560	1.5	0.0911	0.0000 OK	6.012	76_OUT	-0.3	0.006	0.000	3.9983		
								Infiltration		0.2					
240 minute summer	76_OUT	196	8.235	0.600	1.2	0.0959	0.0000 OK	Infiltration		0.1					

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Results for 100 year +30% 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 97.43%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	1	84	9.800	0.500	4.4	0.0000	0.0000	FLOOD RISK	1.000	2	-4.4	-0.385	-0.290	0.4653	
240 minute winter	2	84	9.800	0.550	14.8	0.0000	0.0000	FLOOD RISK	1.001	3	-14.8	-0.602	-0.735	1.1284	
240 minute winter	3	84	9.800	0.650	17.4	0.0000	0.0000	FLOOD RISK	1.002	4	-17.4	-0.555	-0.821	0.4986	
240 minute winter	4	84	9.800	0.700	18.8	0.0000	0.0000	FLOOD RISK	1.003	5	-18.8	-0.602	-0.818	0.8441	
240 minute winter	5	84	9.800	0.800	20.9	0.0000	0.0000	FLOOD RISK	1.004	6	-20.9	-0.668	-0.569	0.1621	
240 minute winter	6	84	9.800	0.900	43.8	18.9782	0.0000	FLOOD RISK	1.005	7	42.3	0.865	0.873	0.7796	
240 minute winter	7	84	9.800	1.050	55.0	9.7442	0.0000	FLOOD RISK	1.006	8	65.7	0.844	0.936	2.4823	
240 minute winter	8	84	9.800	1.250	112.4	17.1758	0.0000	FLOOD RISK	1.007	9	112.9	0.902	1.044	5.9230	
240 minute winter	9	84	9.800	1.450	191.5	25.2083	0.0000	FLOOD RISK	1.008	10	191.0	0.978	0.806	3.1360	
240 minute winter	10	84	9.800	1.500	205.6	4.6275	0.0000	FLOOD RISK	1.009	11	205.7	1.052	1.392	47.8613	
240 minute winter	11	88	9.800	1.800	205.7	0.0000	0.0000	FLOOD RISK	1.010	12	208.7	1.057	0.718	53.3278	
240 minute winter	12	44	7.750	1.000	208.7	0.0000	0.0000	FLOOD RISK	1.011	13	342.3	2.253	1.743	0.3351	
240 minute winter	13	136	9.706	0.206	342.3	0.0000	0.0000	OK	1.012	13_OUT	274.5	6.175	0.222	0.3729	
240 minute winter	13_OUT	124	8.023	0.490	274.5	0.0000	0.0000	OK	Flow through pond	49	722.3	0.072	0.000	2759.6150	
240 minute winter	14	84	9.800	0.500	3.5	0.0000	0.0000	FLOOD RISK	2.000	15	-3.5	-0.111	-0.115	0.8136	
240 minute winter	15	84	9.800	0.714	32.6	11.7039	0.0000	FLOOD RISK	2.001	16	32.3	0.746	0.668	0.9254	
240 minute winter	16	84	9.800	0.809	32.3	0.0000	0.0000	FLOOD RISK	2.002	17	32.4	0.746	0.658	0.8329	
240 minute winter	17	84	9.800	0.941	48.8	5.0593	0.0000	FLOOD RISK	2.003	18	48.9	0.725	0.625	1.8750	
240 minute winter	18	84	9.800	1.119	86.8	11.1452	0.0000	FLOOD RISK	2.004	19	86.8	0.764	0.703	5.4890	
240 minute winter	19	88	9.800	1.344	157.4	17.4407	0.0000	FLOOD RISK	2.005	20	157.3	0.844	0.798	4.0628	
240 minute winter	20	88	9.800	1.389	157.3	0.0000	0.0000	FLOOD RISK	2.006	21	157.3	1.178	0.795	3.4978	
240 minute winter	21	88	9.800	1.428	157.3	0.0000	0.0000	FLOOD RISK	2.007	22	157.4	1.093	0.264	3.7404	
240 minute winter	22	88	9.800	1.800	201.8	10.0345	0.0000	FLOOD RISK	2.008	23	200.8	1.027	0.697	53.3017	
240 minute winter	23	40	7.750	1.000	200.8	0.0000	0.0000	FLOOD RISK	2.009	24	344.8	2.385	1.756	0.3192	
240 minute winter	24	144	9.678	0.178	344.8	0.0000	0.0000	OK	2.010	24_OUT	225.7	6.017	0.182	0.2965	
240 minute winter	24_OUT	140	8.029	0.495	225.7	0.0000	0.0000	OK	Flow through pond	49	722.3	0.072	0.000	2759.6150	
240 minute winter	25	124	8.642	0.046	3.7	0.0295	0.0000	OK	3.000	28	3.7	0.597	0.208	0.2197	
240 minute winter	26	124	8.504	0.068	7.4	0.2477	0.0000	OK	3.001	27	5.7	0.821	0.425	0.3278	
									Infiltration		0.8				
240 minute winter	27	124	8.189	0.074	16.4	0.3449	0.0000	OK	3.002	28	9.6	1.071	0.474	0.2910	
									Infiltration		0.8				
240 minute winter	28	128	7.773	0.078	13.3	0.2583	0.0000	OK	3.003	29	12.6	1.251	0.535	0.3774	
									Infiltration		0.8				
240 minute winter	29	152	7.174	0.109	16.3	0.3659	0.0000	OK	3.004	30	15.9	1.466	0.570	0.1083	
									Infiltration		0.7				
240 minute winter	30	160	7.158	0.331	16.5	0.0398	0.0000	OK	3.005	31	15.4	0.178	0.008	7.0351	
240 minute winter	31	160	7.158	0.481	16.1	0.0554	0.0000	OK	3.006	32	11.9	0.125	0.007	6.8899	
									Infiltration		2.4				

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240 minute winter	32	160	7.156	0.511	12.6	0.0614	0.0000 OK	3.007	33	7.4	0.082	0.005	5.9419
								Infiltration		1.9			
								Infiltration		2.0			
240 minute winter	33	160	7.156	0.381	8.1	0.0458	0.0000 OK	3.008	34	6.5	0.153	0.005	4.7041
240 minute winter	34	160	7.156	0.411	7.2	0.0494	0.0000 OK	3.009	35	4.3	0.170	0.002	4.1739
								Infiltration		1.7			
240 minute winter	35	160	7.156	0.461	5.0	0.0578	0.0000 OK	3.010	36	2.3	0.034	0.001	7.5376
								Infiltration		1.3			
240 minute winter	36	160	7.156	0.651	3.0	0.0743	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		2.1			
240 minute winter	37	152	6.603	0.098	0.8	0.0118	0.0000 OK	3.012	38	0.7	0.034	0.000	3.7436
240 minute winter	38	152	6.603	0.338	4.0	0.0405	0.0000 OK	3.013	39	-3.1	-0.075	-0.002	2.6681
								Infiltration		1.3			
								Infiltration		1.9			
240 minute winter	39	152	6.603	0.148	3.8	0.0177	0.0000 OK	3.014	40	-3.1	-0.236	-0.002	0.7152
								Infiltration		0.5			
240 minute winter	40	132	6.715	0.020	3.2	0.0024	0.0000 OK	3.015	41	-2.5	-0.248	-0.002	0.1301
								Infiltration		0.0			
240 minute winter	41	128	6.884	0.019	2.5	0.0022	0.0000 OK	3.016	42	-1.8	-0.210	-0.001	0.1088
								Infiltration		0.0			
240 minute winter	42	128	7.099	0.014	1.8	0.0017	0.0000 OK	3.017	43	-1.1	-0.136	-0.001	0.1056
								Infiltration		0.0			
240 minute winter	43	128	7.162	0.017	1.1	0.0020	0.0000 OK	3.018	44	-0.4	-0.087	0.000	0.0824
								Infiltration		0.0			
240 minute winter	44	128	7.233	0.008	0.7	0.0010	0.0000 OK	3.019	45	0.3	0.048	0.000	0.0668
240 minute winter	45	132	7.209	0.014	1.0	0.0016	0.0000 OK	3.020	46	0.9	0.125	0.000	0.0961
								Infiltration		0.0			
240 minute winter	46	132	7.140	0.015	1.6	0.0018	0.0000 OK	3.021	47	1.6	0.188	0.001	0.4077
								Infiltration		0.0			
240 minute winter	47	184	7.057	0.092	2.3	0.0110	0.0000 OK	3.022	48	2.3	0.110	0.001	1.8037
								Infiltration		0.1			
240 minute winter	48	188	7.057	0.282	3.0	0.0314	0.0000 OK	3.023	53	2.0	0.112	0.002	2.8123
								Infiltration		0.2			
240 minute winter	49	300	7.829	-0.171	781.9	0.0000	0.0000 OK	Orifice	50	0.0			
								Infiltration		0.0			
240 minute winter	50	4	7.400	0.000	0.0	0.0000	0.0000 OK	4.001	51	0.0	0.000	0.000	0.0000
240 minute winter	51	4	7.300	0.000	0.0	0.0000	0.0000 OK	4.002	52	0.0	0.000	0.000	0.0000
240 minute winter	52	4	7.200	0.000	0.0	0.0000	0.0000 OK	4.003	53	0.0	0.000	0.000	0.0000
240 minute winter	53	188	7.057	0.272	2.7	0.0326	0.0000 OK	3.024	54	1.7	0.117	0.001	4.2983
								Infiltration		0.3			
240 minute winter	54	188	7.057	0.432	2.2	0.0518	0.0000 OK	3.025	54_OUT	0.8	0.037	0.000	7.3458
								Infiltration		0.3			
240 minute winter	54_OUT	188	7.057	0.552	1.3	0.0662	0.0000 OK	Infiltration		0.5			

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240 minute winter	55	180	8.649	0.293	2.0	0.0692	0.0000SURCHARGED	5.000	56	1.8	0.336	0.243	0.2949
240 minute winter	56	180	8.648	0.233	3.8	1.0887	0.0000SURCHARGED	5.001	57	3.2	0.395	0.253	0.3709
								Infiltration		0.3			
240 minute winter	57	180	8.649	0.339	5.0	1.8084	0.0000SURCHARGED	5.002	58	4.0	0.335	0.486	0.5462
								Infiltration		0.4			
240 minute winter	58	184	8.648	0.403	5.8	3.4178	0.0000SURCHARGED	5.003	59	4.6	0.329	0.614	0.3806
								Infiltration		0.6			
240 minute winter	59	184	8.647	0.442	6.5	2.5441	0.0000OK	5.004	60	3.9	0.074	0.005	14.9243
								Infiltration		0.5			
240 minute winter	60	184	8.647	0.462	5.8	0.1572	0.0000OK	5.005	61	1.3	0.050	0.001	21.8651
								Infiltration		0.7			
240 minute winter	61	184	8.647	0.511	3.2	0.1739	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		1.0			
240 minute winter	62	184	8.225	0.089	2.0	0.0303	0.0000OK	5.007	63	1.9	0.068	0.001	12.9710
240 minute winter	63	188	8.225	0.389	4.3	0.1323	0.0000OK	5.008	63_OUT	-0.6	0.027	0.000	9.7196
								Infiltration		0.9			
240 minute winter	63_OUT	188	8.225	0.460	2.0	0.1584	0.0000OK	Infiltration		0.5			
240 minute winter	64	224	6.610	0.425	0.9	0.0680	0.0000OK	6.000	65	0.4	0.053	0.000	4.5466
240 minute winter	65	224	6.610	0.485	1.3	0.0776	0.0000OK	6.001	66	0.3	0.050	0.000	6.0438
								Infiltration		0.2			
240 minute winter	66	224	6.610	0.517	1.3	0.0817	0.0000OK	6.002	67	-0.4	0.023	0.000	3.4223
								Infiltration		0.3			
240 minute winter	67	224	6.610	0.534	0.9	0.0828	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
240 minute winter	68	188	6.209	0.133	1.2	0.0208	0.0000OK	6.004	69	0.6	0.037	0.000	7.1630
240 minute winter	69	184	6.209	0.444	1.6	0.0710	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.4			
240 minute winter	70	208	6.041	0.286	2.2	0.0457	0.0000OK	6.006	71	3.1	0.042	0.001	2.4308
240 minute winter	71	208	6.041	0.358	6.3	0.0568	0.0000OK	6.007	72	11.7	0.147	0.008	7.4844
								Infiltration		0.1			
240 minute winter	72	208	6.041	0.356	11.7	0.0569	0.0000OK	6.008	73	11.2	0.794	0.776	0.0310
								Infiltration		0.4			
240 minute winter	73	216	6.362	0.657	11.3	0.1052	0.0000OK	6.009	74	12.4	0.022	0.008	4.5499
240 minute winter	74	348	6.362	0.657	12.4	0.1052	0.0000OK	6.010	75	12.8	0.051	0.009	5.1545
								Infiltration		0.2			
240 minute winter	75	348	6.362	0.657	12.8	0.1052	0.0000OK	6.011	76	9.7	0.034	0.003	5.3492
								Infiltration		0.2			
240 minute winter	76	348	6.362	0.727	9.7	0.1105	0.0000OK	6.012	75_OUT	5.3	0.007	0.004	5.4097
								Infiltration		0.2			
240 minute winter	76_OUT	348	6.362	0.727	5.3	0.1163	0.0000OK	Infiltration		0.2			

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Results for 100 year +30% 360 minute summer, 600 minute analysis at 5 minute timestep. Mass balance: 87.48%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	1	144	9.800	0.500	4.4	0.0000	0.0000	FLOOD RISK	1.000	2	-4.4	-0.198	-0.200	0.4853	
360 minute summer	2	144	9.800	0.550	10.2	0.0000	0.0000	FLOOD RISK	1.001	3	-10.2	-0.336	-0.514	1.1284	
360 minute summer	3	144	9.800	0.650	11.6	0.0000	0.0000	FLOOD RISK	1.002	4	-11.6	-0.371	-0.549	0.4986	
360 minute summer	4	144	9.800	0.700	12.4	0.0000	0.0000	FLOOD RISK	1.003	5	-12.4	-0.397	-0.540	0.8441	
360 minute summer	5	144	9.800	0.800	13.5	0.0000	0.0000	FLOOD RISK	1.004	6	-13.5	-0.431	-0.381	0.1621	
360 minute summer	6	144	9.800	0.900	42.4	17.5065	0.0000	FLOOD RISK	1.005	7	40.4	0.825	0.833	0.7796	
360 minute summer	7	152	9.800	1.050	61.8	9.0300	0.0000	FLOOD RISK	1.006	8	52.7	0.806	0.894	2.4923	
360 minute summer	8	152	9.800	1.250	105.1	16.0195	0.0000	FLOOD RISK	1.007	9	107.2	0.856	0.991	5.9230	
360 minute summer	9	152	9.800	1.450	181.4	23.6778	0.0000	FLOOD RISK	1.008	10	179.7	0.919	0.758	3.1360	
360 minute summer	10	152	9.800	1.550	192.8	4.3551	0.0000	FLOOD RISK	1.009	11	193.3	0.988	1.398	47.8613	
360 minute summer	11	180	9.800	1.800	193.3	0.0000	0.0000	FLOOD RISK	1.010	12	192.0	0.981	0.667	53.3278	
360 minute summer	12	84	7.750	1.000	192.0	0.0000	0.0000	FLOOD RISK	1.011	13	341.9	2.373	1.741	0.3309	
360 minute summer	13	184	9.698	0.198	341.9	0.0000	0.0000	OK	1.012	13_OUT	225.8	4.708	0.183	0.3413	
360 minute summer	13_OUT	200	7.979	0.449	225.8	0.0000	0.0000	OK	Flow through pond	49	317.3	0.631	0.000	2845.4525	
360 minute summer	14	152	9.800	0.500	2.6	0.0000	0.0000	FLOOD RISK	2.000	15	-2.6	-0.062	-0.085	0.8136	
360 minute summer	15	152	9.800	0.714	32.4	11.0097	0.0000	FLOOD RISK	2.001	16	31.2	0.637	0.643	0.9254	
360 minute summer	16	152	9.800	0.809	31.2	0.0000	0.0000	FLOOD RISK	2.002	17	31.5	0.644	0.639	0.6320	
360 minute summer	17	152	9.800	0.941	45.9	4.8257	0.0000	FLOOD RISK	2.003	18	46.9	0.637	0.800	1.8756	
360 minute summer	18	152	9.800	1.119	84.9	10.7069	0.0000	FLOOD RISK	2.004	19	83.8	0.671	0.686	5.4890	
360 minute summer	19	160	9.800	1.344	152.2	18.8771	0.0000	FLOOD RISK	2.005	20	149.5	0.764	0.758	4.0528	
360 minute summer	20	160	9.800	1.389	149.5	0.0000	0.0000	FLOOD RISK	2.006	21	149.2	0.969	0.754	3.4979	
360 minute summer	21	160	9.800	1.428	149.2	0.0000	0.0000	FLOOD RISK	2.007	22	148.8	0.940	0.250	3.7404	
360 minute summer	22	160	9.800	1.800	193.5	9.7960	0.0000	FLOOD RISK	2.008	23	192.9	0.986	0.670	53.3017	
360 minute summer	23	56	7.750	1.000	192.9	0.0000	0.0000	FLOOD RISK	2.009	24	177.0	1.351	0.901	0.2923	
360 minute summer	24	192	9.631	0.131	177.0	0.0000	0.0000	OK	2.010	24_OUT	246.0	6.226	0.199	0.2898	
360 minute summer	24_OUT	192	8.015	0.482	246.0	0.0000	0.0000	OK	Flow through pond	49	317.3	0.631	0.000	2845.4525	
360 minute summer	25	184	8.842	0.048	3.7	0.0294	0.0000	OK	3.000	26	3.7	0.599	0.255	0.2183	
360 minute summer	26	184	8.503	0.068	7.4	0.2446	0.0000	OK	3.001	27	6.6	0.819	0.419	0.3239	
									Infiltration		0.6				
360 minute summer	27	184	8.188	0.073	10.3	0.3379	0.0000	OK	3.002	28	9.4	1.067	0.484	0.2866	
									Infiltration		0.8				
360 minute summer	28	184	7.772	0.077	13.1	0.2522	0.0000	OK	3.003	29	12.4	1.234	0.524	0.3593	
									Infiltration		0.6				
360 minute summer	29	184	7.154	0.089	18.1	0.2563	0.0000	OK	3.004	30	15.4	1.449	0.554	0.0948	
									Infiltration		0.5				
360 minute summer	30	216	7.096	0.271	15.1	0.0325	0.0000	OK	3.005	31	14.9	0.145	0.006	5.5709	
360 minute summer	31	216	7.096	0.401	15.6	0.0481	0.0000	OK	3.006	32	11.5	0.104	0.007	5.4945	
									Infiltration		2.2				
360 minute summer	32	216	7.096	0.451	12.2	0.0541	0.0000	OK	3.007	33	7.2	0.062	0.005	4.8142	

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									Infiltration		1.7				
									Infiltration		1.8				
360 minute summer	33	216	7.096	0.321	7.9	0.0385	0.0000	OK	S.008	34	6.2	0.171	0.004	3.7131	
360 minute summer	34	216	7.096	0.351	6.8	0.0421	0.0000	OK	S.009	35	4.2	0.181	0.002	3.3760	
									Infiltration		1.5				
360 minute summer	35	216	7.096	0.421	4.9	0.0505	0.0000	OK	S.010	36	2.2	0.030	0.001	6.6129	
									Infiltration		1.2				
360 minute summer	36	216	7.096	0.591	2.8	0.0673	0.0000	OK	S.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		1.9				
360 minute summer	37	208	6.573	0.068	0.7	0.0082	0.0000	OK	S.012	38	0.6	0.025	0.000	3.1558	
360 minute summer	38	208	6.573	0.308	3.8	0.0370	0.0000	OK	S.013	39	-3.1	-0.073	-0.002	2.2714	
									Infiltration		1.2				
									Infiltration		1.7				
360 minute summer	39	208	6.573	0.118	3.7	0.0142	0.0000	OK	S.014	40	-3.0	-0.218	-0.002	0.5550	
									Infiltration		0.4				
360 minute summer	40	184	6.714	0.019	3.1	0.0023	0.0000	OK	S.015	41	-2.4	-0.245	-0.002	0.1274	
									Infiltration		0.0				
360 minute summer	41	184	6.883	0.018	2.4	0.0022	0.0000	OK	S.016	42	-1.7	-0.208	-0.001	0.1069	
									Infiltration		0.0				
360 minute summer	42	184	7.099	0.014	1.8	0.0017	0.0000	OK	S.017	43	-1.1	-0.136	-0.001	0.1040	
									Infiltration		0.0				
360 minute summer	43	184	7.162	0.017	1.1	0.0020	0.0000	OK	S.018	44	-0.4	-0.067	0.000	0.0312	
									Infiltration		0.0				
360 minute summer	44	184	7.233	0.008	0.7	0.0010	0.0000	OK	S.019	45	0.3	0.049	0.000	0.0860	
360 minute summer	45	184	7.298	0.013	1.0	0.0016	0.0000	OK	S.020	46	0.9	0.127	0.000	0.0948	
									Infiltration		0.0				
360 minute summer	46	184	7.140	0.015	1.6	0.0016	0.0000	OK	S.021	47	1.6	0.186	0.000	0.2736	
									Infiltration		0.0				
360 minute summer	47	240	7.028	0.063	2.3	0.0075	0.0000	OK	S.022	48	2.2	0.089	0.001	1.4549	
									Infiltration		0.1				
360 minute summer	48	240	7.028	0.233	2.9	0.0279	0.0000	OK	S.023	53	1.9	0.096	0.002	2.4131	
									Infiltration		0.2				
360 minute summer	49	416	7.814	-0.186	403.4	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
360 minute summer	50	8	7.400	0.000	0.0	0.0000	0.0000	OK	S.001	51	0.0	0.000	0.000	0.0000	
360 minute summer	51	8	7.300	0.000	0.0	0.0000	0.0000	OK	S.002	52	0.0	0.000	0.000	0.0000	
360 minute summer	52	8	7.200	0.000	0.0	0.0000	0.0000	OK	S.003	53	0.0	0.000	0.000	0.0000	
360 minute summer	53	240	7.028	0.243	2.6	0.0292	0.0000	OK	S.024	54	1.4	0.117	0.000	3.8201	
									Infiltration		0.3				
360 minute summer	54	240	7.028	0.403	2.1	0.0484	0.0000	OK	S.025	54_OUT	0.6	0.035	0.000	8.7182	
									Infiltration		0.3				
360 minute summer	54_OUT	240	7.028	0.523	1.2	0.0628	0.0000	OK	Infiltration		0.5				
360 minute summer	55	240	6.593	0.147	1.9	0.0501	0.0000	OK	S.000	56	1.7	0.331	0.235	0.2943	
360 minute summer	56	240	6.593	0.177	3.6	0.7864	0.0000	SURCHARGED	S.001	57	3.1	0.375	0.247	0.3709	

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								Infiltration		0.2					
360 minute summer	57	240	8.593	0.283	4.8	1.4369	0.0000 SURCHARGED	5.002	58	3.7	0.309	0.481	0.5462		
								Infiltration		0.3					
360 minute summer	58	240	8.582	0.347	5.6	2.8808	0.0000 SURCHARGED	5.003	59	4.2	0.280	0.588	0.3906		
								Infiltration		0.6					
360 minute summer	59	248	8.592	0.387	6.1	2.4558	0.0000 OK	5.004	60	3.6	0.061	0.005	12.3307		
								Infiltration		0.4					
360 minute summer	60	248	8.582	0.497	5.5	0.1383	0.0000 OK	5.005	61	1.2	0.041	0.001	18.2871		
								Infiltration		0.6					
360 minute summer	61	248	8.592	0.456	3.1	0.1550	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		0.9					
360 minute summer	62	248	8.184	0.058	1.9	0.0196	0.0000 OK	5.007	63	1.8	0.057	0.001	11.0368		
360 minute summer	63	248	8.193	0.357	4.1	0.1215	0.0000 OK	5.008	63_OUT	-0.5	0.023	0.000	8.6836		
								Infiltration		0.8					
360 minute summer	63_OUT	248	8.193	0.428	1.9	0.1456	0.0000 OK	Infiltration		0.4					
360 minute summer	64	284	8.541	0.356	0.9	0.0570	0.0000 OK	6.000	65	0.3	0.042	0.000	3.5847		
360 minute summer	65	284	8.541	0.416	1.3	0.0666	0.0000 OK	6.001	66	0.2	0.042	0.000	4.8581		
								Infiltration		0.2					
360 minute summer	66	284	8.541	0.448	1.3	0.0709	0.0000 OK	6.002	67	-0.4	0.002	0.000	2.7758		
								Infiltration		0.2					
360 minute summer	67	284	8.541	0.465	0.9	0.0721	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
360 minute summer	68	256	8.169	0.093	1.2	0.0144	0.0000 OK	6.004	69	0.8	0.031	0.000	5.9321		
360 minute summer	69	256	8.168	0.403	1.6	0.0646	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
360 minute summer	70	256	5.989	0.234	0.9	0.0375	0.0000 OK	6.006	71	0.6	0.035	0.000	1.9148		
360 minute summer	71	256	5.989	0.304	1.5	0.0487	0.0000 OK	6.007	72	0.3	0.010	0.000	5.0156		
								Infiltration		0.1					
360 minute summer	72	256	5.989	0.364	1.1	0.0487	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0019		
								Infiltration		0.4					
360 minute summer	73	284	8.224	0.519	0.9	0.0831	0.0000 OK	6.009	74	0.4	0.016	0.000	3.1675		
360 minute summer	74	284	8.224	0.519	1.3	0.0831	0.0000 OK	6.010	75	0.2	0.043	0.000	3.5587		
								Infiltration		0.1					
360 minute summer	75	284	8.224	0.519	1.1	0.0831	0.0000 OK	6.011	76	0.3	0.032	0.000	3.7906		
								Infiltration		0.1					
360 minute summer	76	284	8.224	0.589	1.1	0.0898	0.0000 OK	6.012	76_OUT	-0.2	0.006	0.000	3.8931		
								Infiltration		0.1					
360 minute summer	76_OUT	284	8.224	0.589	0.9	0.0943	0.0000 OK	Infiltration		0.1					

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Results for 100 year +30% 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 97.67%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	1	128	9.800	0.500	0.3	0.0000	0.0000	FLOOD RISK	1.000	2	0.3	0.009	0.012	0.4653	
360 minute winter	2	128	9.800	0.550	5.0	0.0000	0.0000	FLOOD RISK	1.001	3	-5.0	-0.311	-0.252	1.1284	
360 minute winter	3	128	9.800	0.650	11.7	0.0000	0.0000	FLOOD RISK	1.002	4	-11.7	-0.374	-0.553	0.4986	
360 minute winter	4	128	9.800	0.700	13.4	0.0000	0.0000	FLOOD RISK	1.003	5	-13.4	-0.428	-0.582	0.8441	
360 minute winter	5	128	9.800	0.800	15.0	0.0000	0.0000	FLOOD RISK	1.004	6	-15.0	-0.478	-0.401	0.1621	
360 minute winter	6	128	9.800	0.900	30.8	13.4907	0.0000	FLOOD RISK	1.005	7	30.6	0.773	0.631	0.7796	
360 minute winter	7	128	9.800	1.050	47.9	7.1457	0.0000	FLOOD RISK	1.006	8	45.0	0.723	0.684	2.4823	
360 minute winter	8	128	9.800	1.250	82.8	13.0784	0.0000	FLOOD RISK	1.007	9	83.1	0.725	0.788	5.9230	
360 minute winter	9	136	9.800	1.450	140.3	19.8942	0.0000	FLOOD RISK	1.008	10	140.5	0.718	0.593	3.1360	
360 minute winter	10	136	9.800	1.500	151.3	3.6849	0.0000	FLOOD RISK	1.009	11	151.4	0.774	1.024	47.8613	
360 minute winter	11	144	9.800	1.800	151.4	0.0000	0.0000	FLOOD RISK	1.010	12	151.4	0.774	0.526	53.3278	
360 minute winter	12	64	7.750	1.050	151.4	0.0000	0.0000	FLOOD RISK	1.011	13	151.4	1.093	0.771	0.2841	
360 minute winter	13	192	9.616	0.116	151.4	0.0000	0.0000	OK	1.012	13_OUT	151.4	4.393	0.122	0.2064	
360 minute winter	13_OUT	192	7.907	0.374	151.4	0.0000	0.0000	OK	Flow through pond	49	431.4	0.042	0.000	3008.4670	
360 minute winter	14	144	9.800	0.500	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.006	-0.006	0.8136	
360 minute winter	15	144	9.800	0.714	23.6	6.6358	0.0000	FLOOD RISK	2.001	16	23.3	0.658	0.462	0.9254	
360 minute winter	16	144	9.800	0.809	23.3	0.0000	0.0000	FLOOD RISK	2.002	17	23.4	0.660	0.475	0.8329	
360 minute winter	17	144	9.800	0.941	35.2	3.9680	0.0000	FLOOD RISK	2.003	18	35.3	0.644	0.452	1.8750	
360 minute winter	18	144	9.800	1.119	64.3	9.0439	0.0000	FLOOD RISK	2.004	19	64.1	0.693	0.509	5.4890	
360 minute winter	19	144	9.800	1.344	114.4	14.8973	0.0000	FLOOD RISK	2.005	20	114.0	0.730	0.578	4.0628	
360 minute winter	20	144	9.800	1.389	114.0	0.0000	0.0000	FLOOD RISK	2.006	21	113.9	1.025	0.576	3.4979	
360 minute winter	21	144	9.800	1.428	113.9	0.0000	0.0000	FLOOD RISK	2.007	22	113.9	0.982	0.191	3.7404	
360 minute winter	22	144	9.800	1.800	146.5	8.5790	0.0000	FLOOD RISK	2.008	23	146.3	0.751	0.508	53.3017	
360 minute winter	23	56	7.750	1.000	146.3	0.0000	0.0000	FLOOD RISK	2.009	24	146.3	1.060	0.745	0.2832	
360 minute winter	24	184	9.614	0.114	146.3	0.0000	0.0000	OK	2.010	24_OUT	146.3	4.351	0.118	0.2013	
360 minute winter	24_OUT	192	7.898	0.365	146.3	0.0000	0.0000	OK	Flow through pond	49	431.4	0.042	0.000	3008.4670	
360 minute winter	25	184	8.835	0.038	2.7	0.0251	0.0000	OK	3.000	28	2.7	0.551	0.150	0.1740	
360 minute winter	26	184	8.492	0.057	5.4	0.1799	0.0000	OK	3.001	27	4.9	0.759	0.308	0.2573	
									Infiltration		0.5				
360 minute winter	27	184	8.176	0.061	7.6	0.2453	0.0000	OK	3.002	28	6.9	0.988	0.343	0.2282	
									Infiltration		0.5				
360 minute winter	28	184	7.760	0.065	9.6	0.1857	0.0000	OK	3.003	29	9.1	1.186	0.387	0.2825	
									Infiltration		0.4				
360 minute winter	29	184	7.138	0.073	11.8	0.1801	0.0000	OK	3.004	30	11.4	1.386	0.410	0.0839	
									Infiltration		0.4				
360 minute winter	30	224	7.083	0.258	11.9	0.0308	0.0000	OK	3.005	31	11.2	0.152	0.005	5.2758	
360 minute winter	31	224	7.083	0.388	11.7	0.0465	0.0000	OK	3.006	32	8.7	0.077	0.005	5.2524	
									Infiltration		2.1				

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360 minute winter	32	224	7.083	0.438	9.2	0.0525	0.0000	OK	3.007	33	5.1	0.049	0.003	4.5865
									Infiltration		1.7			
									Infiltration		1.8			
360 minute winter	33	224	7.083	0.308	5.6	0.0359	0.0000	OK	3.008	34	4.7	0.153	0.003	3.5138
360 minute winter	34	224	7.083	0.338	5.2	0.0405	0.0000	OK	3.009	35	3.2	0.156	0.001	3.2146
									Infiltration		1.4			
360 minute winter	35	224	7.083	0.408	3.7	0.0489	0.0000	OK	3.010	36	2.0	0.035	0.001	6.3621
									Infiltration		1.2			
360 minute winter	36	224	7.083	0.578	2.3	0.0658	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.9			
360 minute winter	37	208	6.555	0.050	0.5	0.0059	0.0000	OK	3.012	38	0.5	0.040	0.000	2.8042
360 minute winter	38	208	6.555	0.290	3.1	0.0347	0.0000	OK	3.013	39	-2.4	-0.068	-0.002	2.0317
									Infiltration		1.1			
									Infiltration		1.7			
360 minute winter	39	208	6.555	0.100	2.7	0.0120	0.0000	OK	3.014	40	-2.2	-0.218	-0.001	0.4625
									Infiltration		0.3			
360 minute winter	40	184	6.711	0.018	2.3	0.0019	0.0000	OK	3.015	41	-1.8	-0.218	-0.001	0.1053
									Infiltration		0.0			
360 minute winter	41	184	6.880	0.015	1.8	0.0018	0.0000	OK	3.016	42	-1.3	-0.185	-0.001	0.0882
									Infiltration		0.0			
360 minute winter	42	184	7.096	0.011	1.3	0.0014	0.0000	OK	3.017	43	-0.8	-0.121	-0.001	0.0859
									Infiltration		0.0			
360 minute winter	43	184	7.159	0.014	0.8	0.0017	0.0000	OK	3.018	44	-0.3	-0.059	0.000	0.0671
									Infiltration		0.0			
360 minute winter	44	184	7.232	0.007	0.5	0.0008	0.0000	OK	3.019	45	0.2	0.043	0.000	0.0543
360 minute winter	45	192	7.206	0.011	0.7	0.0013	0.0000	OK	3.020	46	0.7	0.112	0.000	0.0779
									Infiltration		0.0			
360 minute winter	46	192	7.137	0.012	1.2	0.0015	0.0000	OK	3.021	47	1.1	0.185	0.000	0.3480
									Infiltration		0.0			
360 minute winter	47	264	7.045	0.080	1.6	0.0095	0.0000	OK	3.022	48	1.6	0.068	0.001	1.6576
									Infiltration		0.1			
360 minute winter	48	264	7.045	0.250	2.1	0.0300	0.0000	OK	3.023	53	1.4	0.098	0.002	2.8407
									Infiltration		0.2			
360 minute winter	49	384	7.854	-0.146	468.7	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
360 minute winter	50	8	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
360 minute winter	51	8	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
360 minute winter	52	8	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
360 minute winter	53	264	7.045	0.250	1.9	0.0312	0.0000	OK	3.024	54	1.1	0.117	0.000	4.0921
									Infiltration		0.3			
360 minute winter	54	264	7.045	0.420	1.6	0.0504	0.0000	OK	3.025	54_OUT	0.5	0.034	0.000	7.9775
									Infiltration		0.3			
360 minute winter	54_OUT	264	7.045	0.540	0.8	0.0648	0.0000	OK	Infiltration		0.5			

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360 minute winter	55	256	8.624	0.178	1.4	0.0604	0.0000	SURCHARGED	5.000	58	1.4	0.309	0.183	0.2949
360 minute winter	58	256	8.623	0.207	2.8	0.9491	0.0000	SURCHARGED	5.001	57	2.4	0.388	0.191	0.3709
									Infiltration		0.3			
360 minute winter	57	256	8.623	0.313	3.7	1.8385	0.0000	SURCHARGED	5.002	58	2.6	0.308	0.350	0.5462
									Infiltration		0.4			
360 minute winter	58	256	8.622	0.377	4.2	3.1738	0.0000	SURCHARGED	5.003	59	3.1	0.306	0.424	0.3906
									Infiltration		0.6			
360 minute winter	59	256	8.622	0.417	4.5	2.6662	0.0000	OK	5.004	60	2.7	0.061	0.004	13.7076
									Infiltration		0.4			
360 minute winter	60	256	8.622	0.437	4.1	0.1486	0.0000	OK	5.005	61	0.9	0.046	0.001	20.1882
									Infiltration		0.7			
360 minute winter	61	256	8.622	0.486	2.3	0.1652	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.9			
360 minute winter	62	264	8.213	0.077	1.4	0.0262	0.0000	OK	5.007	63	1.4	0.055	0.001	12.2355
360 minute winter	63	264	8.213	0.377	3.0	0.1282	0.0000	OK	5.008	63_OUT	-0.5	0.022	0.000	9.3272
									Infiltration		0.8			
360 minute winter	63_OUT	264	8.213	0.448	1.4	0.1524	0.0000	OK	Infiltration		0.5			
360 minute winter	64	280	6.583	0.398	0.7	0.0637	0.0000	OK	6.000	65	0.3	0.048	0.000	4.1565
360 minute winter	65	280	6.583	0.458	1.0	0.0733	0.0000	OK	6.001	66	0.2	0.042	0.000	5.5638
									Infiltration		0.2			
360 minute winter	66	280	6.583	0.490	1.0	0.0774	0.0000	OK	6.002	67	-0.3	0.021	0.000	3.1606
									Infiltration		0.2			
360 minute winter	67	280	6.583	0.507	0.7	0.0786	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
360 minute winter	68	256	6.192	0.116	0.7	0.0180	0.0000	OK	6.004	69	0.5	0.022	0.000	6.8061
360 minute winter	69	264	6.192	0.427	1.2	0.0663	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
360 minute winter	70	272	6.020	0.255	0.7	0.0424	0.0000	OK	6.006	71	0.5	0.050	0.000	2.2186
360 minute winter	71	272	6.020	0.335	1.3	0.0536	0.0000	OK	6.007	72	0.2	0.011	0.000	6.6756
									Infiltration		0.1			
360 minute winter	72	272	6.020	0.335	0.9	0.0536	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0095
									Infiltration		0.4			
360 minute winter	73	280	6.276	0.571	0.7	0.0914	0.0000	OK	6.009	74	0.3	0.018	0.000	3.6828
360 minute winter	74	280	6.276	0.571	1.0	0.0914	0.0000	OK	6.010	75	0.2	0.043	0.000	4.1477
									Infiltration		0.1			
360 minute winter	75	280	6.276	0.571	0.9	0.0914	0.0000	OK	6.011	76	0.3	0.034	0.000	4.3502
									Infiltration		0.2			
360 minute winter	76	280	6.276	0.641	0.9	0.0975	0.0000	OK	6.012	75_OUT	-0.2	0.005	0.000	4.4395
									Infiltration		0.2			
360 minute winter	76_OUT	280	6.276	0.641	0.7	0.1026	0.0000	OK	Infiltration		0.2			

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Results for 100 year +30% 480 minute summer, 720 minute analysis at 5 minute timestep. Mass balance: 97.57%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	1	200	9.800	0.500	0.4	0.0000	0.0000	FLOOD RISK	1.000	2	-0.4	-0.014	-0.020	0.4853	
480 minute summer	2	200	9.800	0.550	0.9	0.0000	0.0000	FLOOD RISK	1.001	3	-0.9	-0.028	-0.045	1.1264	
480 minute summer	3	200	9.800	0.650	6.3	0.0000	0.0000	FLOOD RISK	1.002	4	-6.3	-0.308	-0.296	0.4986	
480 minute summer	4	200	9.800	0.700	9.1	0.0000	0.0000	FLOOD RISK	1.003	5	-9.1	-0.299	-0.395	0.8441	
480 minute summer	5	200	9.800	0.800	10.0	0.0000	0.0000	FLOOD RISK	1.004	6	-10.0	-0.318	-0.286	0.1621	
480 minute summer	6	200	9.800	0.900	32.7	14.2180	0.0000	FLOOD RISK	1.005	7	32.8	0.671	0.677	0.7796	
480 minute summer	7	208	9.800	1.050	49.9	7.4998	0.0000	FLOOD RISK	1.006	8	50.5	0.648	0.720	2.4923	
480 minute summer	8	208	9.800	1.250	87.2	13.6535	0.0000	FLOOD RISK	1.007	9	86.5	0.691	0.800	5.9230	
480 minute summer	9	208	9.800	1.450	148.5	20.6568	0.0000	FLOOD RISK	1.008	10	147.7	0.755	0.623	3.1360	
480 minute summer	10	208	9.800	1.500	159.4	3.8205	0.0000	FLOOD RISK	1.009	11	159.2	0.814	1.077	47.8613	
480 minute summer	11	216	9.800	1.800	159.2	0.0000	0.0000	FLOOD RISK	1.010	12	159.2	0.814	0.553	53.3278	
480 minute summer	12	80	7.750	1.000	159.2	0.0000	0.0000	FLOOD RISK	1.011	13	159.2	1.143	0.811	0.2856	
480 minute summer	13	248	9.619	0.119	159.2	0.0000	0.0000	OK	1.012	13_OUT	159.1	4.457	0.129	0.2139	
480 minute summer	13_OUT	248	7.913	0.380	159.1	0.0000	0.0000	OK	Flow through pond	49	208.7	0.027	0.000	2807.6594	
480 minute summer	14	216	9.800	0.500	0.3	0.0000	0.0000	FLOOD RISK	2.000	15	-0.3	-0.009	-0.010	0.8136	
480 minute summer	15	216	9.800	0.714	24.9	9.1619	0.0000	FLOOD RISK	2.001	16	24.7	0.590	0.509	0.9254	
480 minute summer	16	216	9.800	0.809	24.7	0.0000	0.0000	FLOOD RISK	2.002	17	24.6	0.583	0.500	0.6320	
480 minute summer	17	216	9.800	0.941	37.5	4.1562	0.0000	FLOOD RISK	2.003	18	37.5	0.589	0.479	1.8756	
480 minute summer	18	216	9.800	1.119	68.5	9.4081	0.0000	FLOOD RISK	2.004	19	68.4	0.624	0.543	5.4890	
480 minute summer	19	216	9.800	1.344	121.6	15.1779	0.0000	FLOOD RISK	2.005	20	121.6	0.647	0.617	4.0628	
480 minute summer	20	216	9.800	1.389	121.6	0.0000	0.0000	FLOOD RISK	2.006	21	121.6	0.910	0.614	3.4979	
480 minute summer	21	216	9.800	1.428	121.6	0.0000	0.0000	FLOOD RISK	2.007	22	121.6	0.860	0.204	3.7404	
480 minute summer	22	216	9.800	1.800	156.0	9.0860	0.0000	FLOOD RISK	2.008	23	155.9	0.797	0.541	53.3017	
480 minute summer	23	72	7.750	1.000	155.9	0.0000	0.0000	FLOOD RISK	2.009	24	155.9	1.122	0.794	0.2552	
480 minute summer	24	248	9.618	0.118	155.9	0.0000	0.0000	OK	2.010	24_OUT	155.9	4.431	0.126	0.2106	
480 minute summer	24_OUT	248	7.909	0.375	155.9	0.0000	0.0000	OK	Flow through pond	49	208.7	0.027	0.000	2807.6594	
480 minute summer	25	248	8.836	0.040	2.8	0.0258	0.0000	OK	3.000	26	2.8	0.558	0.156	0.1793	
480 minute summer	26	248	8.494	0.059	5.6	0.1675	0.0000	OK	3.001	27	5.1	0.767	0.323	0.2660	
									Infiltration		0.5				
480 minute summer	27	248	8.178	0.063	7.9	0.2571	0.0000	OK	3.002	28	7.2	1.000	0.359	0.2363	
									Infiltration		0.7				
480 minute summer	28	248	7.761	0.066	10.0	0.1945	0.0000	OK	3.003	29	9.6	1.170	0.406	0.2938	
									Infiltration		0.5				
480 minute summer	29	248	7.140	0.075	12.4	0.1910	0.0000	OK	3.004	30	12.0	1.409	0.431	0.0777	
									Infiltration		0.4				
480 minute summer	30	280	7.040	0.215	12.5	0.0258	0.0000	OK	3.005	31	11.7	0.139	0.005	4.3538	
480 minute summer	31	280	7.040	0.345	12.2	0.0414	0.0000	OK	3.006	32	9.1	0.061	0.005	4.4887	
									Infiltration		1.9				
480 minute summer	32	280	7.040	0.395	9.6	0.0474	0.0000	OK	3.007	33	5.5	0.057	0.004	3.8704	

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									Infiltration		1.5				
									Infiltration		1.7				
480 minute summer	33	280	7.040	0.265	6.0	0.0318	0.0000	OK	S.008	34	4.9	0.167	0.004	2.8900	
480 minute summer	34	280	7.040	0.295	5.4	0.0354	0.0000	OK	S.009	35	3.4	0.192	0.001	2.7083	
									Infiltration		1.3				
480 minute summer	35	280	7.040	0.365	3.9	0.0438	0.0000	OK	S.010	36	1.8	0.035	0.001	5.5711	
									Infiltration		1.1				
480 minute summer	36	280	7.040	0.535	2.3	0.0610	0.0000	OK	S.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		1.7				
480 minute summer	37	264	6.541	0.038	0.5	0.0043	0.0000	OK	S.012	38	0.5	0.040	0.000	2.5512	
480 minute summer	38	264	6.541	0.278	3.3	0.0301	0.0000	OK	S.013	39	-2.3	-0.066	-0.002	1.8578	
									Infiltration		1.1				
									Infiltration		1.6				
480 minute summer	39	264	6.540	0.085	2.7	0.0103	0.0000	OK	S.014	40	-2.2	-0.218	-0.001	0.3957	
									Infiltration		0.3				
480 minute summer	40	248	6.711	0.015	2.3	0.0019	0.0000	OK	S.015	41	-1.8	-0.218	-0.001	0.1053	
									Infiltration		0.0				
480 minute summer	41	248	6.880	0.015	1.6	0.0018	0.0000	OK	S.018	42	-1.3	-0.185	-0.001	0.0582	
									Infiltration		0.0				
480 minute summer	42	248	7.096	0.011	1.3	0.0014	0.0000	OK	S.017	43	-0.8	-0.121	-0.001	0.0859	
									Infiltration		0.0				
480 minute summer	43	248	7.159	0.014	0.8	0.0017	0.0000	OK	S.018	44	-0.3	-0.059	0.000	0.0571	
									Infiltration		0.0				
480 minute summer	44	248	7.232	0.007	0.5	0.0008	0.0000	OK	S.019	45	0.2	0.043	0.000	0.0543	
480 minute summer	45	248	7.296	0.011	0.7	0.0013	0.0000	OK	S.020	46	0.7	0.112	0.000	0.0779	
									Infiltration		0.0				
480 minute summer	46	248	7.137	0.012	1.2	0.0015	0.0000	OK	S.021	47	1.1	0.165	0.000	0.1778	
									Infiltration		0.0				
480 minute summer	47	304	7.005	0.040	1.6	0.0048	0.0000	OK	S.022	48	1.6	0.079	0.001	1.2174	
									Infiltration		0.0				
480 minute summer	48	304	7.005	0.210	2.1	0.0252	0.0000	OK	S.023	53	1.4	0.087	0.002	2.1177	
									Infiltration		0.2				
480 minute summer	49	513	7.832	-0.168	296.8	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
480 minute summer	50	8	7.460	0.000	0.0	0.0000	0.0000	OK	S.001	51	0.0	0.000	0.000	0.0000	
480 minute summer	51	8	7.300	0.000	0.0	0.0000	0.0000	OK	S.002	52	0.0	0.000	0.000	0.0000	
480 minute summer	52	8	7.200	0.000	0.0	0.0000	0.0000	OK	S.003	53	0.0	0.000	0.000	0.0000	
480 minute summer	53	304	7.005	0.220	1.9	0.0264	0.0000	OK	S.024	54	1.1	0.117	0.000	3.4640	
									Infiltration		0.3				
480 minute summer	54	304	7.005	0.360	1.6	0.0456	0.0000	OK	S.025	54_OUT	0.6	0.034	0.000	8.2442	
									Infiltration		0.3				
480 minute summer	54_OUT	304	7.005	0.500	0.9	0.0600	0.0000	OK	Infiltration		0.4				
480 minute summer	55	304	6.571	0.125	1.5	0.0428	0.0000	OK	S.000	56	1.5	0.321	0.291	0.2790	
480 minute summer	56	304	6.571	0.155	3.0	0.6725	0.0000	SURCHARGED	S.001	57	2.6	0.368	0.211	0.3709	

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								Infiltration		0.2					
480 minute summer	57	304	8.571	0.261	4.1	1.2909	0.0000 SURCHARGED	5.002	58	3.3	0.309	0.407	0.5462		
								Infiltration		0.3					
480 minute summer	58	312	8.570	0.325	4.8	2.6711	0.0000 SURCHARGED	5.003	59	3.6	0.272	0.479	0.3908		
								Infiltration		0.6					
480 minute summer	59	312	8.570	0.365	5.1	2.3036	0.0000 OK	5.004	60	3.0	0.059	0.004	11.3739		
								Infiltration		0.4					
480 minute summer	60	312	8.570	0.385	4.5	0.1310	0.0000 OK	5.005	61	1.0	0.030	0.001	16.9635		
								Infiltration		0.6					
480 minute summer	61	312	8.570	0.434	2.5	0.1478	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		0.8					
480 minute summer	62	312	8.182	0.046	1.5	0.0157	0.0000 OK	5.007	63	1.5	0.048	0.001	10.3887		
480 minute summer	63	312	8.182	0.348	3.2	0.1177	0.0000 OK	5.008	63_OUT	-0.3	0.019	0.000	8.3355		
								Infiltration		0.8					
480 minute summer	63_OUT	312	8.182	0.417	1.5	0.1418	0.0000 OK	Infiltration		0.4					
480 minute summer	64	328	8.535	0.350	0.7	0.0560	0.0000 OK	6.000	65	0.3	0.042	0.000	3.4994		
480 minute summer	65	328	8.535	0.410	1.0	0.0656	0.0000 OK	6.001	66	0.2	0.042	0.000	4.7525		
								Infiltration		0.2					
480 minute summer	66	328	8.535	0.442	1.0	0.0698	0.0000 OK	6.002	67	-0.3	0.002	0.000	2.7182		
								Infiltration		0.2					
480 minute summer	67	328	8.535	0.459	0.7	0.0711	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
480 minute summer	68	320	8.163	0.087	0.7	0.0135	0.0000 OK	6.004	69	0.7	0.031	0.000	5.7891		
480 minute summer	69	320	8.163	0.398	1.4	0.0636	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
480 minute summer	70	320	5.979	0.224	0.7	0.0359	0.0000 OK	6.006	71	0.5	0.035	0.000	1.8212		
480 minute summer	71	320	5.979	0.294	1.2	0.0471	0.0000 OK	6.007	72	0.2	0.010	0.000	5.7486		
								Infiltration		0.1					
480 minute summer	72	320	5.979	0.294	0.9	0.0471	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0018		
								Infiltration		0.4					
480 minute summer	73	328	8.221	0.515	0.7	0.0825	0.0000 OK	6.009	74	0.3	0.016	0.000	3.1374		
480 minute summer	74	328	8.221	0.518	1.0	0.0828	0.0000 OK	6.010	75	0.2	0.043	0.000	3.5527		
								Infiltration		0.1					
480 minute summer	75	328	8.221	0.515	0.9	0.0825	0.0000 OK	6.011	76	0.3	0.032	0.000	3.7568		
								Infiltration		0.1					
480 minute summer	76	328	8.221	0.586	0.9	0.0891	0.0000 OK	6.012	76_OUT	-0.2	0.006	0.000	3.8501		
								Infiltration		0.1					
480 minute summer	76_OUT	328	8.221	0.586	0.7	0.0936	0.0000 OK	Infiltration		0.1					

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Results for 100 year +30% 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 97.77%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	1	184	9.800	0.500	0.2	0.0000	0.0000	FLOOD RISK	1.000	2	0.5	-0.067	0.024	0.4653	
480 minute winter	2	184	9.800	0.550	7.2	0.0000	0.0000	FLOOD RISK	1.001	3	-7.2	-0.329	-0.383	1.1284	
480 minute winter	3	184	9.800	0.650	9.5	0.0000	0.0000	FLOOD RISK	1.002	4	-9.5	-0.303	-0.448	0.4986	
480 minute winter	4	184	9.800	0.700	10.0	0.0000	0.0000	FLOOD RISK	1.003	5	-10.0	-0.321	-0.438	0.8441	
480 minute winter	5	184	9.800	0.800	10.6	0.0000	0.0000	FLOOD RISK	1.004	6	-10.6	-0.344	-0.288	0.1621	
480 minute winter	6	184	9.800	0.900	24.3	10.8726	0.0000	FLOOD RISK	1.005	7	24.3	0.686	0.502	0.7796	
480 minute winter	7	184	9.800	1.050	38.1	5.8025	0.0000	FLOOD RISK	1.006	8	38.1	0.683	0.543	2.4823	
480 minute winter	8	192	9.800	1.250	66.2	11.1086	0.0000	FLOOD RISK	1.007	9	66.1	0.685	0.611	5.9230	
480 minute winter	9	192	9.800	1.450	112.3	17.3126	0.0000	FLOOD RISK	1.008	10	112.2	0.643	0.473	3.1360	
480 minute winter	10	192	9.800	1.500	120.9	3.2254	0.0000	FLOOD RISK	1.009	11	120.9	0.627	0.818	47.8613	
480 minute winter	11	208	9.800	1.800	120.9	0.0000	0.0000	FLOOD RISK	1.010	12	120.8	0.660	0.420	53.3276	
480 minute winter	12	72	7.750	1.000	120.8	0.0000	0.0000	FLOOD RISK	1.011	13	120.8	0.891	0.615	0.2778	
480 minute winter	13	248	9.604	0.104	120.8	0.0000	0.0000	OK	1.012	13_OUT	120.8	4.115	0.098	0.1759	
480 minute winter	13_OUT	488	7.880	0.346	120.8	0.0000	0.0000	OK	Flow through pond	49	352.9	0.031	0.000	3190.0259	
480 minute winter	14	200	9.800	0.500	0.5	0.0000	0.0000	FLOOD RISK	2.000	15	-0.5	-0.016	-0.017	0.8136	
480 minute winter	15	200	9.800	0.714	18.6	7.1291	0.0000	FLOOD RISK	2.001	16	18.6	0.605	0.383	0.9254	
480 minute winter	16	208	9.800	0.809	18.6	0.0000	0.0000	FLOOD RISK	2.002	17	18.6	0.607	0.377	0.8329	
480 minute winter	17	208	9.800	0.941	28.2	3.4188	0.0000	FLOOD RISK	2.003	18	28.2	0.600	0.380	1.8750	
480 minute winter	18	208	9.800	1.119	51.3	7.9732	0.0000	FLOOD RISK	2.004	19	51.3	0.638	0.407	5.4890	
480 minute winter	19	208	9.800	1.344	91.0	13.2690	0.0000	FLOOD RISK	2.005	20	90.9	0.873	0.461	4.0628	
480 minute winter	20	208	9.800	1.389	90.9	0.0000	0.0000	FLOOD RISK	2.006	21	90.9	0.946	0.460	3.4978	
480 minute winter	21	216	9.800	1.428	90.9	0.0000	0.0000	FLOOD RISK	2.007	22	90.9	0.923	0.153	3.7404	
480 minute winter	22	216	9.800	1.800	116.5	8.2575	0.0000	FLOOD RISK	2.008	23	116.5	0.615	0.405	53.3017	
480 minute winter	23	64	7.750	1.000	116.5	0.0000	0.0000	FLOOD RISK	2.009	24	116.5	0.862	0.594	0.2771	
480 minute winter	24	248	9.602	0.102	116.5	0.0000	0.0000	OK	2.010	24_OUT	116.5	4.072	0.094	0.1713	
480 minute winter	24_OUT	472	7.878	0.345	116.5	0.0000	0.0000	OK	Flow through pond	49	352.9	0.031	0.000	3190.0259	
480 minute winter	25	248	8.631	0.035	2.1	0.0221	0.0000	OK	3.000	28	2.1	0.517	0.117	0.1450	
480 minute winter	26	248	8.485	0.050	4.2	0.1419	0.0000	OK	3.001	27	3.8	0.711	0.240	0.2134	
									Infiltration		0.4				
480 minute winter	27	248	8.168	0.053	5.9	0.1907	0.0000	OK	3.002	28	5.4	0.924	0.266	0.1892	
									Infiltration		0.5				
480 minute winter	28	248	7.751	0.056	7.5	0.1460	0.0000	OK	3.003	29	7.1	1.093	0.300	0.2328	
									Infiltration		0.4				
480 minute winter	29	240	7.125	0.063	9.2	0.1403	0.0000	OK	3.004	30	8.9	1.321	0.320	0.0669	
									Infiltration		0.3				
480 minute winter	30	288	7.015	0.190	9.3	0.0228	0.0000	OK	3.005	31	8.9	0.139	0.004	3.8383	
480 minute winter	31	288	7.014	0.318	9.3	0.0383	0.0000	OK	3.006	32	7.0	0.104	0.004	4.0574	
									Infiltration		1.8				

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480 minute winter	32	288	7.014	0.368	7.4	0.0443	0.0000	OK	3.007	33	3.9	0.049	0.003	3.4674
									Infiltration		1.5			
									Infiltration		1.8			
480 minute winter	33	288	7.014	0.239	4.3	0.0287	0.0000	OK	3.008	34	3.8	0.154	0.003	2.5408
480 minute winter	34	288	7.014	0.288	4.2	0.0323	0.0000	OK	3.009	35	2.6	0.153	0.001	2.4236
									Infiltration		1.2			
480 minute winter	35	288	7.014	0.339	3.0	0.0407	0.0000	OK	3.010	36	1.5	0.035	0.000	5.1211
									Infiltration		1.0			
480 minute winter	36	288	7.014	0.509	1.9	0.0581	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.7			
480 minute winter	37	272	6.517	0.012	0.4	0.0015	0.0000	OK	3.012	38	0.4	0.040	0.000	2.1511
480 minute winter	38	272	6.517	0.252	2.7	0.0303	0.0000	OK	3.013	39	-2.0	-0.068	-0.001	1.5851
									Infiltration		1.0			
									Infiltration		1.5			
480 minute winter	39	272	6.517	0.082	2.2	0.0075	0.0000	OK	3.014	40	-1.8	-0.218	-0.001	0.2896
									Infiltration		0.2			
480 minute winter	40	240	6.709	0.014	1.8	0.0017	0.0000	OK	3.015	41	-1.4	-0.200	-0.001	0.0916
									Infiltration		0.0			
480 minute winter	41	240	6.878	0.013	1.4	0.0016	0.0000	OK	3.016	42	-1.0	-0.169	-0.001	0.0768
									Infiltration		0.0			
480 minute winter	42	240	7.095	0.010	1.0	0.0012	0.0000	OK	3.017	43	-0.6	-0.111	0.000	0.0746
									Infiltration		0.0			
480 minute winter	43	240	7.157	0.012	0.8	0.0015	0.0000	OK	3.018	44	-0.2	-0.054	0.000	0.0585
									Infiltration		0.0			
480 minute winter	44	240	7.231	0.006	0.4	0.0007	0.0000	OK	3.019	45	0.2	0.039	0.000	0.0473
480 minute winter	45	248	7.205	0.010	0.5	0.0012	0.0000	OK	3.020	46	0.5	0.103	0.000	0.0676
									Infiltration		0.0			
480 minute winter	46	248	7.136	0.011	0.9	0.0013	0.0000	OK	3.021	47	0.9	0.151	0.000	0.2449
									Infiltration		0.0			
480 minute winter	47	336	7.021	0.056	1.3	0.0068	0.0000	OK	3.022	48	1.3	0.077	0.000	1.3926
									Infiltration		0.0			
480 minute winter	48	336	7.021	0.226	1.7	0.0272	0.0000	OK	3.023	53	1.1	0.088	0.001	2.3272
									Infiltration		0.2			
480 minute winter	49	840	7.874	-0.126	393.1	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
480 minute winter	50	8	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
480 minute winter	51	8	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
480 minute winter	52	8	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
480 minute winter	53	336	7.021	0.236	1.5	0.0284	0.0000	OK	3.024	54	1.0	0.117	0.000	3.7165
									Infiltration		0.3			
480 minute winter	54	336	7.021	0.396	1.3	0.0478	0.0000	OK	3.025	54_OUT	0.5	0.034	0.000	0.5807
									Infiltration		0.3			
480 minute winter	54_OUT	336	7.021	0.516	0.8	0.0626	0.0000	OK	Infiltration		0.4			

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480 minute winter	55	328	8.596	0.150	1.1	0.0511	0.0000	SURCHARGED	5.000	58	1.1	0.288	0.148	0.2948
480 minute winter	58	328	8.596	0.150	2.2	0.8029	0.0000	SURCHARGED	5.001	57	1.8	0.348	0.147	0.3709
									Infiltration		0.2			
480 minute winter	57	328	8.596	0.286	2.8	1.4572	0.0000	SURCHARGED	5.002	58	2.2	0.295	0.275	0.5462
									Infiltration		0.3			
480 minute winter	58	328	8.595	0.350	3.3	2.9106	0.0000	SURCHARGED	5.003	59	2.5	0.270	0.335	0.3806
									Infiltration		0.8			
480 minute winter	59	336	8.595	0.390	3.8	2.4768	0.0000	OK	5.004	60	2.1	0.060	0.003	12.4852
									Infiltration		0.4			
480 minute winter	60	336	8.595	0.410	3.2	0.1394	0.0000	OK	5.005	61	0.8	0.038	0.001	18.4731
									Infiltration		0.6			
480 minute winter	61	336	8.595	0.459	1.9	0.1580	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.9			
480 minute winter	62	336	8.200	0.064	1.1	0.0217	0.0000	OK	5.007	63	1.1	0.054	0.001	11.4213
480 minute winter	63	336	8.200	0.384	2.3	0.1237	0.0000	OK	5.008	63_OUT	-0.4	0.021	0.000	8.8964
									Infiltration		0.8			
480 minute winter	63_OUT	336	8.200	0.435	1.1	0.1479	0.0000	OK	Infiltration		0.5			
480 minute winter	64	360	6.579	0.394	0.5	0.0631	0.0000	OK	6.000	65	0.3	0.048	0.000	4.0999
480 minute winter	65	360	6.579	0.454	0.8	0.0727	0.0000	OK	6.001	66	0.2	0.042	0.000	5.4942
									Infiltration		0.2			
480 minute winter	66	360	6.579	0.486	0.7	0.0758	0.0000	OK	6.002	67	-0.2	0.021	0.000	3.1230
									Infiltration		0.2			
480 minute winter	67	360	6.579	0.503	0.5	0.0780	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
480 minute winter	68	352	6.184	0.108	0.5	0.0157	0.0000	OK	6.004	69	0.5	0.022	0.000	6.3656
480 minute winter	69	344	6.184	0.419	1.0	0.0670	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
480 minute winter	70	352	6.010	0.255	0.5	0.0409	0.0000	OK	6.006	71	0.4	0.050	0.000	2.1221
480 minute winter	71	352	6.010	0.325	0.9	0.0521	0.0000	OK	6.007	72	0.2	0.011	0.000	6.6086
									Infiltration		0.1			
480 minute winter	72	352	6.010	0.325	0.7	0.0521	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0097
									Infiltration		0.4			
480 minute winter	73	360	6.277	0.572	0.5	0.0916	0.0000	OK	6.009	74	0.3	0.018	0.000	3.5739
480 minute winter	74	360	6.277	0.572	0.8	0.0916	0.0000	OK	6.010	75	0.2	0.043	0.000	4.1602
									Infiltration		0.1			
480 minute winter	75	360	6.277	0.572	0.7	0.0916	0.0000	OK	6.011	76	0.3	0.034	0.000	4.3627
									Infiltration		0.2			
480 minute winter	76	360	6.277	0.642	0.8	0.0977	0.0000	OK	6.012	75_OUT	-0.1	0.005	0.000	4.4517
									Infiltration		0.2			
480 minute winter	76_OUT	360	6.277	0.642	0.5	0.1028	0.0000	OK	Infiltration		0.2			

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Results for 100 year +30% 600 minute summer, 840 minute analysis at 15 minute timestep. Mass balance: 87.63%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	1	270	9.800	0.500	0.3	0.0000	0.0000	FLOOD RISK	1.000	2	0.3	0.009	0.014	0.4853	
600 minute summer	2	270	9.800	0.550	0.5	0.0000	0.0000	FLOOD RISK	1.001	3	0.5	0.017	0.027	1.1264	
600 minute summer	3	270	9.800	0.650	0.8	0.0000	0.0000	FLOOD RISK	1.002	4	-0.8	-0.025	-0.037	0.4988	
600 minute summer	4	270	9.800	0.700	1.0	0.0000	0.0000	FLOOD RISK	1.003	5	-1.0	-0.114	-0.045	0.8441	
600 minute summer	5	270	9.800	0.800	3.1	0.0000	0.0000	FLOOD RISK	1.004	6	-3.1	-0.128	-0.084	0.1621	
600 minute summer	6	270	9.800	0.900	28.3	11.6792	0.0000	FLOOD RISK	1.005	7	26.1	0.623	0.538	0.7796	
600 minute summer	7	270	9.800	1.050	41.3	5.2868	0.0000	FLOOD RISK	1.006	8	41.2	0.616	0.587	2.4923	
600 minute summer	8	270	9.800	1.250	71.6	11.7181	0.0000	FLOOD RISK	1.007	9	71.5	0.618	0.681	5.9230	
600 minute summer	9	270	9.800	1.450	121.5	18.1157	0.0000	FLOOD RISK	1.008	10	121.4	0.621	0.512	3.1360	
600 minute summer	10	270	9.800	1.500	130.8	3.3685	0.0000	FLOOD RISK	1.009	11	130.8	0.669	0.885	47.8613	
600 minute summer	11	285	9.800	1.800	130.8	0.0000	0.0000	FLOOD RISK	1.010	12	130.8	0.669	0.454	53.3278	
600 minute summer	12	105	7.750	1.000	130.8	0.0000	0.0000	FLOOD RISK	1.011	13	130.8	0.958	0.686	0.2798	
600 minute summer	13	315	9.808	0.108	130.8	0.0000	0.0000	OK	1.012	13_OUT	130.8	4.212	0.106	0.1560	
600 minute summer	13_OUT	315	7.675	0.341	130.8	0.0000	0.0000	OK	Flow through pond	49	160.9	0.020	0.000	2930.0342	
600 minute summer	14	285	9.800	0.500	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.006	-0.007	0.8136	
600 minute summer	15	285	9.800	0.714	20.1	7.5813	0.0000	FLOOD RISK	2.001	16	20.1	0.548	0.415	0.9254	
600 minute summer	16	285	9.800	0.809	20.1	0.0000	0.0000	FLOOD RISK	2.002	17	20.1	0.551	0.408	0.6320	
600 minute summer	17	285	9.800	0.941	30.4	3.5829	0.0000	FLOOD RISK	2.003	18	30.4	0.558	0.389	1.8756	
600 minute summer	18	285	9.800	1.119	55.3	8.2932	0.0000	FLOOD RISK	2.004	19	55.3	0.586	0.439	5.4890	
600 minute summer	19	285	9.800	1.344	98.2	13.6968	0.0000	FLOOD RISK	2.005	20	98.2	0.611	0.498	4.0528	
600 minute summer	20	285	9.800	1.389	98.2	0.0000	0.0000	FLOOD RISK	2.006	21	98.2	0.842	0.496	3.4979	
600 minute summer	21	285	9.800	1.428	98.2	0.0000	0.0000	FLOOD RISK	2.007	22	98.2	0.816	0.165	3.7404	
600 minute summer	22	285	9.800	1.800	125.9	8.4445	0.0000	FLOOD RISK	2.008	23	125.9	0.644	0.437	53.3017	
600 minute summer	23	90	7.750	1.000	125.9	0.0000	0.0000	FLOOD RISK	2.009	24	125.9	0.925	0.641	0.2790	
600 minute summer	24	315	9.606	0.106	125.9	0.0000	0.0000	OK	2.010	24_OUT	125.9	4.155	0.102	0.1809	
600 minute summer	24_OUT	315	7.667	0.334	125.9	0.0000	0.0000	OK	Flow through pond	49	160.9	0.020	0.000	2930.0342	
600 minute summer	25	315	8.832	0.038	2.3	0.0232	0.0000	OK	3.000	26	2.3	0.530	0.128	0.1550	
600 minute summer	26	315	8.488	0.053	4.6	0.1547	0.0000	OK	3.001	27	4.2	0.729	0.283	0.2287	
									Infiltration		0.4				
600 minute summer	27	315	8.171	0.056	6.5	0.2093	0.0000	OK	3.002	28	5.9	0.948	0.392	0.2029	
									Infiltration		0.6				
600 minute summer	28	315	7.754	0.059	8.2	0.1596	0.0000	OK	3.003	29	7.8	1.108	0.331	0.2527	
									Infiltration		0.4				
600 minute summer	29	315	7.132	0.067	10.1	0.1563	0.0000	OK	3.004	30	9.7	1.356	0.350	0.0585	
									Infiltration		0.4				
600 minute summer	30	345	8.995	0.170	10.1	0.0204	0.0000	OK	3.005	31	9.7	0.138	0.004	3.4862	
600 minute summer	31	345	8.995	0.300	10.1	0.0360	0.0000	OK	3.006	32	7.6	0.061	0.004	3.7444	
									Infiltration		1.8				
600 minute summer	32	345	8.995	0.350	8.0	0.0420	0.0000	OK	3.007	33	4.4	0.050	0.003	3.1758	

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									Infiltration		1.4				
									Infiltration		1.5				
600 minute summer	33	345	6.995	0.220	4.8	0.0264	0.0000	OK	3.008	34	4.1	0.153	0.003	2.2893	
600 minute summer	34	345	6.995	0.250	4.5	0.0300	0.0000	OK	3.009	35	2.8	0.149	0.001	2.2168	
									Infiltration		1.2				
600 minute summer	35	345	6.995	0.320	3.2	0.0384	0.0000	OK	3.010	36	1.6	0.028	0.000	4.7937	
									Infiltration		1.0				
600 minute summer	36	345	6.995	0.490	2.0	0.0559	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		1.6				
600 minute summer	37	315	6.512	0.007	0.4	0.0008	0.0000	OK	3.012	38	0.4	0.023	0.000	1.9649	
600 minute summer	38	330	6.504	0.239	2.7	0.0287	0.0000	OK	3.013	39	-1.9	-0.067	-0.001	1.4318	
									Infiltration		1.0				
									Infiltration		1.4				
600 minute summer	39	330	6.504	0.049	2.2	0.0059	0.0000	OK	3.014	40	-1.8	-0.201	-0.001	0.2272	
									Infiltration		0.1				
600 minute summer	40	315	6.709	0.014	1.8	0.0017	0.0000	OK	3.015	41	-1.4	-0.200	-0.001	0.0916	
									Infiltration		0.0				
600 minute summer	41	315	6.878	0.013	1.4	0.0016	0.0000	OK	3.016	42	-1.0	-0.189	-0.001	0.0768	
									Infiltration		0.0				
600 minute summer	42	315	7.095	0.010	1.0	0.0012	0.0000	OK	3.017	43	-0.6	-0.111	0.000	0.0748	
									Infiltration		0.0				
600 minute summer	43	315	7.157	0.012	0.6	0.0015	0.0000	OK	3.018	44	-0.2	-0.054	0.000	0.0585	
									Infiltration		0.0				
600 minute summer	44	315	7.231	0.008	0.4	0.0007	0.0000	OK	3.019	45	0.2	0.039	0.000	0.0473	
600 minute summer	45	315	7.205	0.010	0.5	0.0012	0.0000	OK	3.020	46	0.5	0.103	0.000	0.0578	
									Infiltration		0.0				
600 minute summer	46	315	7.136	0.011	0.9	0.0013	0.0000	OK	3.021	47	0.9	0.151	0.000	0.1084	
									Infiltration		0.0				
600 minute summer	47	375	6.988	0.023	1.3	0.0027	0.0000	OK	3.022	48	1.3	0.078	0.000	1.0348	
									Infiltration		0.0				
600 minute summer	48	375	6.988	0.193	1.7	0.0231	0.0000	OK	3.023	53	1.1	0.052	0.001	1.8979	
									Infiltration		0.2				
600 minute summer	49	780	7.845	-0.155	216.1	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
600 minute summer	50	15	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
600 minute summer	51	15	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
600 minute summer	52	15	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
600 minute summer	53	375	6.988	0.203	1.5	0.0243	0.0000	OK	3.024	54	0.9	0.117	0.000	3.1982	
									Infiltration		0.2				
600 minute summer	54	375	6.988	0.363	1.3	0.0435	0.0000	OK	3.025	54_OUT	0.6	0.032	0.000	5.8578	
									Infiltration		0.3				
600 minute summer	54_OUT	375	6.988	0.483	0.8	0.0579	0.0000	OK	Infiltration		0.4				
600 minute summer	55	390	8.559	0.113	1.2	0.0388	0.0000	OK	5.000	56	1.2	0.303	0.151	0.2550	
600 minute summer	56	390	8.559	0.143	2.4	0.6147	0.0000	OK	5.001	57	2.2	0.346	0.175	0.3681	

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								Infiltration		0.2					
600 minute summer	57	390	8.559	0.248	3.4	1.2140	0.0000 SURCHARGED	S.002	S8	2.6	0.299	0.322	0.5462		
								Infiltration		0.3					
600 minute summer	58	390	8.559	0.314	3.8	2.5808	0.0000 SURCHARGED	S.003	S9	2.8	0.272	0.373	0.3906		
								Infiltration		0.5					
600 minute summer	59	390	8.559	0.354	4.0	2.2232	0.0000 OK	S.004	S0	2.3	0.046	0.003	10.8775		
								Infiltration		0.4					
600 minute summer	60	390	8.559	0.374	3.5	0.1270	0.0000 OK	S.005	S1	0.8	0.030	0.001	16.2758		
								Infiltration		0.6					
600 minute summer	61	390	8.559	0.423	2.0	0.1437	0.0000 OK	S.006	S2	0.0	0.000	0.000	0.0000		
								Infiltration		0.8					
600 minute summer	62	390	8.177	0.041	1.2	0.0138	0.0000 OK	S.007	S3	1.2	0.044	0.001	10.0812		
600 minute summer	63	390	8.177	0.341	2.6	0.1159	0.0000 OK	S.008	S3_OUT	0.2	0.018	0.000	8.1735		
								Infiltration		0.8					
600 minute summer	63_OUT	390	8.177	0.412	1.2	0.1400	0.0000 OK	Infiltration		0.4					
600 minute summer	64	405	8.556	0.371	0.8	0.0594	0.0000 OK	S.000	S5	0.3	0.040	0.000	3.7859		
600 minute summer	65	405	8.556	0.431	0.9	0.0690	0.0000 OK	S.001	S6	0.2	0.023	0.000	5.1068		
								Infiltration		0.2					
600 minute summer	66	405	8.556	0.483	0.8	0.0732	0.0000 OK	S.002	S7	-0.2	0.002	0.000	2.9117		
								Infiltration		0.2					
600 minute summer	67	405	8.556	0.480	0.5	0.0745	0.0000 OK	S.003	S8	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
600 minute summer	68	390	8.174	0.098	0.8	0.0152	0.0000 OK	S.004	S9	0.5	0.018	0.000	6.0848		
600 minute summer	69	390	8.174	0.408	1.1	0.0654	0.0000 OK	S.005	S0	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
600 minute summer	70	390	5.991	0.238	0.6	0.0378	0.0000 OK	S.006	S1	0.4	0.023	0.000	1.9348		
600 minute summer	71	390	5.991	0.305	1.0	0.0490	0.0000 OK	S.007	S2	0.2	0.009	0.000	5.0727		
								Infiltration		0.1					
600 minute summer	72	390	5.991	0.308	0.6	0.0490	0.0000 OK	S.008	S3	0.0	0.000	0.000	0.0557		
								Infiltration		0.4					
600 minute summer	73	405	8.252	0.547	0.6	0.0875	0.0000 OK	S.009	S4	0.3	0.016	0.000	3.4269		
600 minute summer	74	405	8.252	0.547	0.9	0.0875	0.0000 OK	S.010	S5	0.2	0.042	0.000	3.8794		
								Infiltration		0.1					
600 minute summer	75	405	8.252	0.547	0.8	0.0875	0.0000 OK	S.011	S6	0.3	0.021	0.000	4.0823		
								Infiltration		0.2					
600 minute summer	76	405	8.252	0.617	0.6	0.0938	0.0000 OK	S.012	S6_OUT	-0.1	0.004	0.000	4.1785		
								Infiltration		0.2					
600 minute summer	76_OUT	405	8.252	0.617	0.6	0.0987	0.0000 OK	Infiltration		0.2					

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Results for 100 year +30% 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 97.87%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	1	255	9.800	0.500	3.4	0.0000	0.0000	FLOOD RISK	1.000	2	-3.4	-0.222	-0.154	0.4653	
600 minute winter	2	255	9.800	0.550	6.8	0.0000	0.0000	FLOOD RISK	1.001	3	-6.8	-0.238	-0.343	1.1284	
600 minute winter	3	255	9.800	0.650	8.3	0.0000	0.0000	FLOOD RISK	1.002	4	-8.2	-0.283	-0.389	0.4986	
600 minute winter	4	255	9.800	0.700	9.0	0.0000	0.0000	FLOOD RISK	1.003	5	-9.0	-0.285	-0.368	0.8441	
600 minute winter	5	255	9.800	0.800	9.7	0.0000	0.0000	FLOOD RISK	1.004	6	-9.7	-0.308	-0.258	0.1621	
600 minute winter	6	255	9.800	0.900	20.1	9.3017	0.0000	FLOOD RISK	1.005	7	20.1	0.667	0.415	0.7796	
600 minute winter	7	255	9.800	1.050	31.7	5.1517	0.0000	FLOOD RISK	1.006	8	31.7	0.623	0.451	2.4823	
600 minute winter	8	255	9.800	1.250	55.0	9.9055	0.0000	FLOOD RISK	1.007	9	55.0	0.623	0.508	5.9230	
600 minute winter	9	255	9.800	1.450	93.2	15.7242	0.0000	FLOOD RISK	1.008	10	93.1	0.605	0.393	3.1360	
600 minute winter	10	270	9.800	1.500	100.3	2.9420	0.0000	FLOOD RISK	1.009	11	100.3	0.591	0.679	47.8613	
600 minute winter	11	300	9.800	1.800	100.3	0.0000	0.0000	FLOOD RISK	1.010	12	100.3	0.595	0.348	53.3276	
600 minute winter	12	90	7.750	1.000	100.3	0.0000	0.0000	FLOOD RISK	1.011	13	100.3	0.752	0.511	0.2733	
600 minute winter	13	315	9.595	0.095	100.3	0.0000	0.0000	OK	1.012	13_OUT	100.3	3.894	0.081	0.1544	
600 minute winter	13_OUT	615	7.895	0.362	100.3	0.0000	0.0000	OK	Flow through pond	49	265.3	0.022	0.000	3329.9348	
600 minute winter	14	285	9.800	0.500	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	0.1	0.003	0.003	0.8136	
600 minute winter	15	285	9.800	0.714	15.3	6.1488	0.0000	FLOOD RISK	2.001	16	15.3	0.585	0.318	0.9254	
600 minute winter	16	285	9.800	0.809	15.3	0.0000	0.0000	FLOOD RISK	2.002	17	15.3	0.587	0.311	0.8329	
600 minute winter	17	285	9.800	0.941	23.2	3.0596	0.0000	FLOOD RISK	2.003	18	23.2	0.674	0.297	1.8750	
600 minute winter	18	285	9.800	1.119	42.3	7.2701	0.0000	FLOOD RISK	2.004	19	42.3	0.604	0.336	5.4890	
600 minute winter	19	300	9.800	1.344	75.2	12.3218	0.0000	FLOOD RISK	2.005	20	75.2	0.631	0.361	4.0628	
600 minute winter	20	300	9.800	1.389	75.2	0.0000	0.0000	FLOOD RISK	2.006	21	75.2	0.888	0.350	3.4979	
600 minute winter	21	300	9.800	1.428	75.2	0.0000	0.0000	FLOOD RISK	2.007	22	75.2	0.873	0.126	3.7404	
600 minute winter	22	300	9.800	1.800	96.4	7.5376	0.0000	FLOOD RISK	2.008	23	96.4	0.588	0.335	53.3017	
600 minute winter	23	90	7.750	1.000	96.4	0.0000	0.0000	FLOOD RISK	2.009	24	96.4	0.725	0.491	0.2726	
600 minute winter	24	315	9.593	0.093	96.4	0.0000	0.0000	OK	2.010	24_OUT	96.4	3.848	0.078	0.1500	
600 minute winter	24_OUT	615	7.895	0.361	96.4	0.0000	0.0000	OK	Flow through pond	49	265.3	0.022	0.000	3329.9348	
600 minute winter	25	315	8.827	0.031	1.7	0.0199	0.0000	OK	3.000	28	1.7	0.489	0.095	0.1240	
600 minute winter	26	315	8.480	0.045	3.4	0.1180	0.0000	OK	3.001	27	3.0	0.671	0.192	0.1812	
									Infiltration		0.4				
600 minute winter	27	315	8.162	0.047	4.7	0.1538	0.0000	OK	3.002	28	4.3	0.869	0.212	0.1606	
									Infiltration		0.5				
600 minute winter	28	315	7.745	0.050	6.0	0.1190	0.0000	OK	3.003	29	5.7	1.023	0.240	0.1956	
									Infiltration		0.3				
600 minute winter	29	315	7.121	0.056	7.4	0.1144	0.0000	OK	3.004	30	7.1	1.254	0.255	0.0387	
									Infiltration		0.3				
600 minute winter	30	360	6.959	0.134	7.4	0.0151	0.0000	OK	3.005	31	7.2	0.135	0.003	2.8065	
600 minute winter	31	360	6.959	0.284	7.5	0.0317	0.0000	OK	3.006	32	5.7	0.085	0.003	3.1832	
									Infiltration		1.6				

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600 minute winter	32	360	6.959	0.314	6.0	0.0377	0.0000 OK	3.007	33	3.1	0.043	0.002	2.6548
								Infiltration		1.3			
								Infiltration		1.4			
600 minute winter	33	360	6.959	0.184	3.4	0.0221	0.0000 OK	3.008	34	3.1	0.157	0.002	1.8418
600 minute winter	34	360	6.959	0.214	3.4	0.0257	0.0000 OK	3.009	35	2.2	0.148	0.001	1.8478
								Infiltration		1.1			
600 minute winter	35	360	6.959	0.264	2.5	0.0341	0.0000 OK	3.010	36	1.3	0.027	0.000	4.2017
								Infiltration		0.9			
600 minute winter	36	360	6.959	0.454	1.5	0.0517	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.5			
600 minute winter	37	285	6.511	0.006	0.3	0.0007	0.0000 OK	3.012	38	0.3	0.023	0.000	1.7028
600 minute winter	38	360	6.479	0.214	2.2	0.0257	0.0000 OK	3.013	39	-1.6	-0.087	-0.001	1.1629
								Infiltration		0.9			
								Infiltration		1.2			
600 minute winter	39	360	6.479	0.024	1.6	0.0029	0.0000 OK	3.014	40	-1.3	-0.201	-0.001	0.1272
								Infiltration		0.1			
600 minute winter	40	285	6.707	0.012	1.3	0.0014	0.0000 OK	3.015	41	-1.0	-0.179	-0.001	0.0785
								Infiltration		0.0			
600 minute winter	41	285	6.876	0.011	1.1	0.0013	0.0000 OK	3.016	42	-0.8	-0.151	-0.001	0.0642
								Infiltration		0.0			
600 minute winter	42	270	7.093	0.008	0.8	0.0010	0.0000 OK	3.017	43	-0.5	-0.099	0.000	0.0627
								Infiltration		0.0			
600 minute winter	43	270	7.155	0.010	0.5	0.0012	0.0000 OK	3.018	44	-0.2	-0.048	0.000	0.0491
								Infiltration		0.0			
600 minute winter	44	270	7.230	0.005	0.3	0.0006	0.0000 OK	3.019	45	0.1	0.035	0.000	0.0396
600 minute winter	45	285	7.203	0.008	0.4	0.0010	0.0000 OK	3.020	46	0.4	0.092	0.000	0.0567
								Infiltration		0.0			
600 minute winter	46	285	7.134	0.009	0.7	0.0011	0.0000 OK	3.021	47	0.7	0.135	0.000	0.2027
								Infiltration		0.0			
600 minute winter	47	405	7.011	0.046	1.0	0.0056	0.0000 OK	3.022	48	1.0	0.078	0.000	1.2827
								Infiltration		0.0			
600 minute winter	48	405	7.011	0.216	1.3	0.0260	0.0000 OK	3.023	53	0.9	0.077	0.001	2.1961
								Infiltration		0.2			
600 minute winter	49	660	7.889	-0.111	284.1	0.0000	0.0000 OK	Orifice	50	0.0			
								Infiltration		0.0			
600 minute winter	50	15	7.400	0.000	0.0	0.0000	0.0000 OK	4.001	51	0.0	0.000	0.000	0.0000
600 minute winter	51	15	7.300	0.000	0.0	0.0000	0.0000 OK	4.002	52	0.0	0.000	0.000	0.0000
600 minute winter	52	15	7.200	0.000	0.0	0.0000	0.0000 OK	4.003	53	0.0	0.000	0.000	0.0000
600 minute winter	53	405	7.011	0.226	1.2	0.0272	0.0000 OK	3.024	54	0.8	0.117	0.000	3.5588
								Infiltration		0.3			
600 minute winter	54	405	7.011	0.386	1.0	0.0464	0.0000 OK	3.025	54_OUT	0.5	0.032	0.000	0.3708
								Infiltration		0.3			
600 minute winter	54_OUT	405	7.011	0.506	0.7	0.0608	0.0000 OK	Infiltration		0.4			

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600 minute winter	55	420	8.569	0.123	0.9	0.0418	0.0000 OK	5.000	56	0.9	0.280	0.122	0.2769
600 minute winter	56	420	8.568	0.153	1.8	0.6613	0.0000 SURCHARGED	5.001	57	1.8	0.318	0.130	0.3709
								Infiltration		0.2			
600 minute winter	57	420	8.563	0.259	2.5	1.2752	0.0000 SURCHARGED	5.002	58	1.9	0.288	0.238	0.5462
								Infiltration		0.3			
600 minute winter	58	420	8.568	0.323	2.8	2.8514	0.0000 SURCHARGED	5.003	59	2.0	0.270	0.269	0.3906
								Infiltration		0.5			
600 minute winter	59	420	8.568	0.363	2.9	2.2893	0.0000 OK	5.004	60	1.7	0.060	0.002	11.2839
								Infiltration		0.4			
600 minute winter	60	420	8.568	0.383	2.6	0.1303	0.0000 OK	5.005	61	0.7	0.033	0.001	16.8387
								Infiltration		0.6			
600 minute winter	61	420	8.568	0.432	1.8	0.1489	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.8			
600 minute winter	62	420	8.186	0.050	0.9	0.0172	0.0000 OK	5.007	63	0.9	0.051	0.000	10.6187
600 minute winter	63	420	8.186	0.350	1.9	0.1191	0.0000 OK	5.008	63_OUT	0.3	0.018	0.000	8.4695
								Infiltration		0.8			
600 minute winter	63_OUT	420	8.186	0.421	0.9	0.1433	0.0000 OK	Infiltration		0.4			
600 minute winter	64	435	8.560	0.375	0.4	0.0600	0.0000 OK	6.000	65	0.2	0.041	0.000	3.3362
600 minute winter	65	435	8.560	0.435	0.6	0.0696	0.0000 OK	6.001	66	0.1	0.039	0.000	5.1668
								Infiltration		0.2			
600 minute winter	66	435	8.560	0.487	0.6	0.0738	0.0000 OK	6.002	67	-0.1	-0.002	0.000	2.9455
								Infiltration		0.2			
600 minute winter	67	435	8.560	0.484	0.4	0.0750	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
600 minute winter	68	420	8.188	0.092	0.4	0.0143	0.0000 OK	6.004	69	0.4	0.029	0.000	5.9259
600 minute winter	69	420	8.189	0.404	0.8	0.0646	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.4			
600 minute winter	70	420	5.992	0.237	0.4	0.0378	0.0000 OK	6.006	71	0.3	0.034	0.000	1.9376
600 minute winter	71	420	5.992	0.307	0.7	0.0490	0.0000 OK	6.007	72	0.2	0.009	0.000	6.0807
								Infiltration		0.1			
600 minute winter	72	420	5.992	0.307	0.6	0.0490	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0068
								Infiltration		0.4			
600 minute winter	73	435	8.258	0.554	0.4	0.0886	0.0000 OK	6.009	74	0.2	0.018	0.000	3.4933
600 minute winter	74	435	8.258	0.554	0.8	0.0886	0.0000 OK	6.010	75	0.2	0.043	0.000	3.9558
								Infiltration		0.1			
600 minute winter	75	435	8.259	0.554	0.6	0.0886	0.0000 OK	6.011	76	0.3	0.030	0.000	4.1590
								Infiltration		0.2			
600 minute winter	76	435	8.259	0.624	0.5	0.0948	0.0000 OK	6.012	75_OUT	0.1	0.005	0.000	4.2530
								Infiltration		0.2			
600 minute winter	76_OUT	435	8.259	0.624	0.4	0.0998	0.0000 OK	Infiltration		0.2			

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Results for 100 year +30% 720 minute summer, 960 minute analysis at 15 minute timestep. Mass balance: 87.78%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	1	330	9.800	0.500	0.5	0.0000	0.0000	FLOOD RISK	1.000	2	-0.5	-0.016	-0.022	0.4853	
720 minute summer	2	330	9.800	0.550	1.0	0.0000	0.0000	FLOOD RISK	1.001	3	-1.0	-0.031	-0.049	1.1264	
720 minute summer	3	330	9.800	0.650	1.4	0.0000	0.0000	FLOOD RISK	1.002	4	-1.4	-0.044	-0.065	0.4988	
720 minute summer	4	330	9.800	0.700	1.8	0.0000	0.0000	FLOOD RISK	1.003	5	-1.8	-0.058	-0.079	0.8441	
720 minute summer	5	330	9.800	0.800	2.4	0.0000	0.0000	FLOOD RISK	1.004	6	-2.4	-0.257	-0.084	0.1821	
720 minute summer	6	330	9.800	0.900	23.1	10.4211	0.0000	FLOOD RISK	1.005	7	23.0	0.592	0.474	0.7796	
720 minute summer	7	330	9.800	1.050	36.3	5.6871	0.0000	FLOOD RISK	1.006	8	36.3	0.581	0.516	2.4923	
720 minute summer	8	330	9.800	1.250	63.0	10.7630	0.0000	FLOOD RISK	1.007	9	62.9	0.581	0.581	5.9230	
720 minute summer	9	330	9.800	1.450	106.6	18.8604	0.0000	FLOOD RISK	1.008	10	106.7	0.558	0.460	3.1360	
720 minute summer	10	345	9.800	1.500	115.0	3.1449	0.0000	FLOOD RISK	1.009	11	115.0	0.568	0.778	47.8613	
720 minute summer	11	360	9.800	1.800	115.0	0.0000	0.0000	FLOOD RISK	1.010	12	115.0	0.640	0.399	53.3278	
720 minute summer	12	105	7.750	1.000	115.0	0.0000	0.0000	FLOOD RISK	1.011	13	115.0	0.852	0.586	0.2765	
720 minute summer	13	375	9.801	0.101	115.0	0.0000	0.0000	OK	1.012	13_OUT	115.0	4.056	0.093	0.1599	
720 minute summer	13_OUT	735	7.863	0.329	115.0	0.0000	0.0000	OK	Flow through pond	49	149.5	0.016	0.000	3039.6836	
720 minute summer	14	345	9.800	0.500	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	0.4	0.012	0.012	0.8136	
720 minute summer	15	345	9.800	0.714	17.5	6.8398	0.0000	FLOOD RISK	2.001	16	17.6	0.524	0.383	0.9254	
720 minute summer	16	345	9.800	0.809	17.6	0.0000	0.0000	FLOOD RISK	2.002	17	17.6	0.527	0.357	0.6320	
720 minute summer	17	345	9.800	0.941	25.7	3.3133	0.0000	FLOOD RISK	2.003	18	26.7	0.527	0.341	1.8756	
720 minute summer	18	345	9.800	1.119	48.6	7.7872	0.0000	FLOOD RISK	2.004	19	48.6	0.553	0.386	5.4890	
720 minute summer	19	360	9.800	1.344	86.3	12.9932	0.0000	FLOOD RISK	2.005	20	86.3	0.573	0.438	4.0528	
720 minute summer	20	360	9.800	1.389	86.3	0.0000	0.0000	FLOOD RISK	2.006	21	86.3	0.807	0.436	3.4979	
720 minute summer	21	360	9.800	1.428	86.3	0.0000	0.0000	FLOOD RISK	2.007	22	86.3	0.779	0.145	3.7404	
720 minute summer	22	360	9.800	1.800	110.6	8.1362	0.0000	FLOOD RISK	2.008	23	110.6	0.585	0.384	53.3017	
720 minute summer	23	105	7.750	1.000	110.6	0.0000	0.0000	FLOOD RISK	2.009	24	110.6	0.822	0.563	0.2758	
720 minute summer	24	375	9.600	0.100	110.6	0.0000	0.0000	OK	2.010	24_OUT	110.6	4.011	0.089	0.1850	
720 minute summer	24_OUT	735	7.862	0.329	110.6	0.0000	0.0000	OK	Flow through pond	49	149.5	0.016	0.000	3039.6836	
720 minute summer	25	375	8.830	0.034	2.0	0.0218	0.0000	OK	3.000	26	2.0	0.511	0.111	0.1399	
720 minute summer	26	375	8.484	0.049	4.0	0.1353	0.0000	OK	3.001	27	3.6	0.702	0.228	0.2656	
									Infiltration		0.4				
720 minute summer	27	375	8.167	0.052	5.6	0.1815	0.0000	OK	3.002	28	5.1	0.911	0.352	0.1823	
									Infiltration		0.5				
720 minute summer	28	375	7.750	0.055	7.1	0.1392	0.0000	OK	3.003	29	6.7	1.068	0.285	0.2261	
									Infiltration		0.4				
720 minute summer	29	375	7.125	0.061	8.7	0.1350	0.0000	OK	3.004	30	8.4	1.309	0.303	0.0458	
									Infiltration		0.3				
720 minute summer	30	405	6.973	0.148	8.8	0.0178	0.0000	OK	3.005	31	8.5	0.138	0.004	3.0592	
720 minute summer	31	405	6.973	0.278	8.9	0.0334	0.0000	OK	3.006	32	8.6	0.061	0.004	3.3991	
									Infiltration		1.7				
720 minute summer	32	405	6.973	0.328	7.0	0.0394	0.0000	OK	3.007	33	3.8	0.048	0.003	2.8550	

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									Infiltration		1.3				
									Infiltration		1.5				
720 minute summer	33	405	6.973	0.198	4.2	0.0238	0.0000	OK	S.008	34	3.6	0.153	0.003	2.0133	
720 minute summer	34	405	6.973	0.228	4.0	0.0274	0.0000	OK	S.009	35	2.5	0.158	0.001	1.9896	
									Infiltration		1.1				
720 minute summer	35	405	6.973	0.298	2.9	0.0358	0.0000	OK	S.010	36	1.4	0.027	0.000	4.4301	
									Infiltration		0.9				
720 minute summer	36	405	6.973	0.468	1.8	0.0534	0.0000	OK	S.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		1.6				
720 minute summer	37	375	6.512	0.007	0.4	0.0008	0.0000	OK	S.012	38	0.4	0.023	0.000	1.9849	
720 minute summer	38	390	6.504	0.239	2.7	0.0287	0.0000	OK	S.013	39	-1.9	-0.067	-0.001	1.4318	
									Infiltration		1.0				
									Infiltration		1.4				
720 minute summer	39	390	6.504	0.049	2.2	0.0059	0.0000	OK	S.014	40	-1.8	-0.201	-0.001	0.2272	
									Infiltration		0.1				
720 minute summer	40	375	6.709	0.014	1.8	0.0017	0.0000	OK	S.015	41	-1.4	-0.200	-0.001	0.0916	
									Infiltration		0.0				
720 minute summer	41	375	6.878	0.013	1.4	0.0016	0.0000	OK	S.016	42	-1.0	-0.189	-0.001	0.0768	
									Infiltration		0.0				
720 minute summer	42	375	7.095	0.010	1.0	0.0012	0.0000	OK	S.017	43	-0.6	-0.111	0.000	0.0748	
									Infiltration		0.0				
720 minute summer	43	375	7.157	0.012	0.6	0.0015	0.0000	OK	S.018	44	-0.2	-0.054	0.000	0.0585	
									Infiltration		0.0				
720 minute summer	44	375	7.231	0.008	0.4	0.0007	0.0000	OK	S.019	45	0.2	0.039	0.000	0.0473	
720 minute summer	45	375	7.205	0.010	0.5	0.0012	0.0000	OK	S.020	46	0.5	0.103	0.000	0.0578	
									Infiltration		0.0				
720 minute summer	46	375	7.136	0.011	0.9	0.0013	0.0000	OK	S.021	47	0.9	0.151	0.000	0.1084	
									Infiltration		0.0				
720 minute summer	47	435	6.988	0.023	1.3	0.0027	0.0000	OK	S.022	48	1.3	0.078	0.000	1.0348	
									Infiltration		0.0				
720 minute summer	48	435	6.988	0.193	1.7	0.0231	0.0000	OK	S.023	53	1.1	0.052	0.001	1.8979	
									Infiltration		0.2				
720 minute summer	49	900	7.857	-0.143	204.3	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
720 minute summer	50	15	7.460	0.000	0.0	0.0000	0.0000	OK	S.001	51	0.0	0.000	0.000	0.0000	
720 minute summer	51	15	7.300	0.000	0.0	0.0000	0.0000	OK	S.002	52	0.0	0.000	0.000	0.0000	
720 minute summer	52	15	7.200	0.000	0.0	0.0000	0.0000	OK	S.003	53	0.0	0.000	0.000	0.0000	
720 minute summer	53	435	6.988	0.203	1.5	0.0243	0.0000	OK	S.024	54	0.9	0.117	0.000	3.1982	
									Infiltration		0.2				
720 minute summer	54	435	6.988	0.363	1.3	0.0435	0.0000	OK	S.025	54_OUT	0.6	0.032	0.000	5.8578	
									Infiltration		0.3				
720 minute summer	54_OUT	435	6.988	0.483	0.8	0.0579	0.0000	OK	Infiltration		0.4				
720 minute summer	55	450	8.539	0.093	1.1	0.0315	0.0000	OK	S.000	56	1.1	0.296	0.149	0.2250	
720 minute summer	56	450	8.539	0.123	2.2	0.5155	0.0000	OK	S.001	57	2.0	0.333	0.159	0.3479	

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								Infiltration		0.2					
720 minute summer	57	450	8.539	0.229	3.1	1.0822	0.0000 SURCHARGED	S.002	58	2.3	0.290	0.291	0.5462		
								Infiltration		0.3					
720 minute summer	58	450	8.538	0.293	3.4	2.3810	0.0000 SURCHARGED	S.003	59	2.5	0.272	0.335	0.3906		
								Infiltration		0.5					
720 minute summer	59	450	8.538	0.333	3.6	2.0782	0.0000 OK	S.004	60	2.1	0.042	0.003	10.0116		
								Infiltration		0.4					
720 minute summer	60	450	8.538	0.353	3.2	0.1200	0.0000 OK	S.005	61	0.8	0.030	0.001	15.0743		
								Infiltration		0.6					
720 minute summer	61	450	8.538	0.402	1.9	0.1368	0.0000 OK	S.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		0.8					
720 minute summer	62	450	8.185	0.029	1.1	0.0098	0.0000 OK	S.007	63	1.1	0.044	0.001	9.3912		
720 minute summer	63	450	8.185	0.329	2.3	0.1119	0.0000 OK	S.008	63_OUT	0.2	0.018	0.000	7.8096		
								Infiltration		0.7					
720 minute summer	63_OUT	450	8.185	0.460	1.1	0.1360	0.0000 OK	Infiltration		0.4					
720 minute summer	64	485	8.511	0.329	0.5	0.0521	0.0000 OK	S.000	65	0.2	0.041	0.000	3.1848		
720 minute summer	65	485	8.511	0.388	0.7	0.0617	0.0000 OK	S.001	66	0.2	0.039	0.000	4.3828		
								Infiltration		0.2					
720 minute summer	66	485	8.511	0.418	0.7	0.0860	0.0000 OK	S.002	67	-0.2	-0.002	0.000	2.5850		
								Infiltration		0.2					
720 minute summer	67	485	8.511	0.435	0.5	0.0674	0.0000 OK	S.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
720 minute summer	68	450	8.143	0.067	0.5	0.0104	0.0000 OK	S.004	69	0.5	0.028	0.000	5.2203		
720 minute summer	69	450	8.143	0.378	1.0	0.0604	0.0000 OK	S.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
720 minute summer	70	450	5.955	0.260	0.5	0.0319	0.0000 OK	S.006	71	0.3	0.034	0.000	1.5965		
720 minute summer	71	450	5.955	0.270	0.8	0.0431	0.0000 OK	S.007	72	0.2	0.009	0.000	5.1046		
								Infiltration		0.1					
720 minute summer	72	450	5.955	0.270	0.7	0.0431	0.0000 OK	S.008	73	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
720 minute summer	73	485	8.197	0.482	0.5	0.0787	0.0000 OK	S.009	74	0.2	0.016	0.000	2.9184		
720 minute summer	74	485	8.197	0.482	0.7	0.0787	0.0000 OK	S.010	75	0.2	0.043	0.000	3.3048		
								Infiltration		0.1					
720 minute summer	75	485	8.197	0.492	0.7	0.0787	0.0000 OK	S.011	76	0.3	0.030	0.000	3.5088		
								Infiltration		0.1					
720 minute summer	76	485	8.197	0.562	0.5	0.0554	0.0000 OK	S.012	76_OUT	-0.1	0.005	0.000	3.6174		
								Infiltration		0.1					
720 minute summer	76_OUT	485	8.197	0.562	0.5	0.0899	0.0000 OK	Infiltration		0.1					

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Results for 100 year +30% 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 97.82%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	1	315	9.800	0.500	2.3	0.0000	0.0000	FLOOD RISK	1.000	2	-2.3	-0.230	-0.105	0.4653	
720 minute winter	2	315	9.800	0.550	5.6	0.0000	0.0000	FLOOD RISK	1.001	3	-5.6	-0.209	-0.282	1.1284	
720 minute winter	3	315	9.800	0.650	6.9	0.0000	0.0000	FLOOD RISK	1.002	4	-6.9	-0.222	-0.328	0.4986	
720 minute winter	4	315	9.800	0.700	7.5	0.0000	0.0000	FLOOD RISK	1.003	5	-7.5	-0.241	-0.327	0.8441	
720 minute winter	5	315	9.800	0.800	8.1	0.0000	0.0000	FLOOD RISK	1.004	6	-8.1	-0.258	-0.216	0.1621	
720 minute winter	6	315	9.800	0.900	17.4	8.3654	0.0000	FLOOD RISK	1.005	7	17.4	0.634	0.359	0.7796	
720 minute winter	7	330	9.800	1.050	27.4	4.7035	0.0000	FLOOD RISK	1.006	8	27.4	0.598	0.390	2.4823	
720 minute winter	8	330	9.800	1.250	47.5	9.1868	0.0000	FLOOD RISK	1.007	9	47.5	0.599	0.438	5.9230	
720 minute winter	9	330	9.800	1.450	80.5	14.7705	0.0000	FLOOD RISK	1.008	10	80.5	0.573	0.339	3.1360	
720 minute winter	10	330	9.800	1.500	86.7	2.7716	0.0000	FLOOD RISK	1.009	11	86.7	0.566	0.567	47.8613	
720 minute winter	11	375	9.761	1.761	86.7	0.0000	0.0000	FLOOD RISK	1.010	12	86.7	0.525	0.361	53.3276	
720 minute winter	12	105	7.750	1.000	86.7	0.0000	0.0000	FLOOD RISK	1.011	13	86.7	0.657	0.441	0.2702	
720 minute winter	13	375	9.585	0.088	86.7	0.0000	0.0000	OK	1.012	13_OUT	86.7	3.728	0.070	0.1393	
720 minute winter	13_OUT	735	7.909	0.375	86.7	0.0000	0.0000	OK	Flow through pond	49	233.9	0.619	0.000	3449.2896	
720 minute winter	14	375	9.790	0.490	1.4	0.0000	0.0000	FLOOD RISK	2.000	15	-1.4	-0.075	-0.048	0.8136	
720 minute winter	15	375	9.790	0.704	13.3	5.5814	0.0000	FLOOD RISK	2.001	16	13.3	0.543	0.274	0.9254	
720 minute winter	16	375	9.783	0.792	13.3	0.0000	0.0000	FLOOD RISK	2.002	17	13.3	0.545	0.270	0.8329	
720 minute winter	17	375	9.778	0.919	20.1	2.8501	0.0000	FLOOD RISK	2.003	18	20.1	0.641	0.257	1.8750	
720 minute winter	18	375	9.771	1.090	36.8	6.6586	0.0000	FLOOD RISK	2.004	19	36.8	0.574	0.291	5.4890	
720 minute winter	19	375	9.761	1.305	65.0	11.7642	0.0000	FLOOD RISK	2.005	20	65.0	0.595	0.330	4.0628	
720 minute winter	20	375	9.756	1.345	65.0	0.0000	0.0000	FLOOD RISK	2.006	21	65.0	0.838	0.329	3.4979	
720 minute winter	21	375	9.751	1.379	65.0	0.0000	0.0000	FLOOD RISK	2.007	22	65.0	0.836	0.109	3.7404	
720 minute winter	22	375	9.747	1.747	83.3	7.5889	0.0000	FLOOD RISK	2.008	23	83.3	0.583	0.289	53.3017	
720 minute winter	23	105	7.750	1.000	83.3	0.0000	0.0000	FLOOD RISK	2.009	24	83.3	0.634	0.424	0.2696	
720 minute winter	24	375	9.587	0.087	83.3	0.0000	0.0000	OK	2.010	24_OUT	83.3	3.665	0.067	0.1353	
720 minute winter	24_OUT	735	7.909	0.375	83.3	0.0000	0.0000	OK	Flow through pond	49	233.9	0.619	0.000	3449.2896	
720 minute winter	25	375	8.625	0.028	1.5	0.0187	0.0000	OK	3.000	26	1.5	0.473	0.054	0.1130	
720 minute winter	26	375	8.477	0.042	3.0	0.1032	0.0000	OK	3.001	27	2.7	0.649	0.188	0.1644	
									Infiltration		0.3				
720 minute winter	27	375	8.159	0.044	4.2	0.1355	0.0000	OK	3.002	28	3.7	0.837	0.185	0.1454	
									Infiltration		0.4				
720 minute winter	28	375	7.742	0.047	5.2	0.1055	0.0000	OK	3.003	29	4.9	0.987	0.209	0.1795	
									Infiltration		0.3				
720 minute winter	29	375	7.117	0.052	6.4	0.1009	0.0000	OK	3.004	30	6.2	1.212	0.223	0.0347	
									Infiltration		0.2				
720 minute winter	30	405	6.924	0.099	6.5	0.0118	0.0000	OK	3.005	31	6.4	0.138	0.003	2.2104	
720 minute winter	31	405	6.924	0.229	6.7	0.0274	0.0000	OK	3.006	32	5.0	0.082	0.003	2.8684	
									Infiltration		1.4				

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720 minute winter	32	405	6.923	0.278	5.3	0.0334	0.0000	OK	3.007	33	2.7	0.039	0.002	2.1791
									Infiltration		1.2			
									Infiltration		1.3			
720 minute winter	33	405	6.923	0.148	3.0	0.0178	0.0000	OK	3.008	34	2.8	0.147	0.002	1.4364
720 minute winter	34	405	6.923	0.178	3.1	0.0214	0.0000	OK	3.009	35	1.9	0.150	0.001	1.5197
									Infiltration		1.0			
720 minute winter	35	405	6.923	0.248	2.2	0.0298	0.0000	OK	3.010	36	1.3	0.027	0.000	3.5535
									Infiltration		0.8			
720 minute winter	36	405	6.923	0.418	1.5	0.0477	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.4			
720 minute winter	37	360	6.511	0.006	0.3	0.0007	0.0000	OK	3.012	38	0.3	0.023	0.000	1.8816
720 minute winter	38	405	6.477	0.212	2.2	0.0254	0.0000	OK	3.013	39	-1.6	-0.087	-0.001	1.1406
									Infiltration		0.9			
									Infiltration		1.2			
720 minute winter	39	405	6.477	0.022	1.6	0.0026	0.0000	OK	3.014	40	-1.3	-0.201	-0.001	0.1192
									Infiltration		0.1			
720 minute winter	40	360	6.707	0.012	1.3	0.0014	0.0000	OK	3.015	41	-1.0	-0.179	-0.001	0.0785
									Infiltration		0.0			
720 minute winter	41	360	6.876	0.011	1.1	0.0013	0.0000	OK	3.016	42	-0.8	-0.151	-0.001	0.0642
									Infiltration		0.0			
720 minute winter	42	345	7.093	0.008	0.8	0.0010	0.0000	OK	3.017	43	-0.5	-0.099	0.000	0.0627
									Infiltration		0.0			
720 minute winter	43	345	7.155	0.010	0.5	0.0012	0.0000	OK	3.018	44	-0.2	-0.048	0.000	0.0491
									Infiltration		0.0			
720 minute winter	44	345	7.230	0.005	0.3	0.0008	0.0000	OK	3.019	45	0.1	0.035	0.000	0.0396
720 minute winter	45	360	7.203	0.008	0.4	0.0010	0.0000	OK	3.020	46	0.4	0.092	0.000	0.0567
									Infiltration		0.0			
720 minute winter	46	360	7.134	0.009	0.7	0.0011	0.0000	OK	3.021	47	0.7	0.135	0.000	0.1400
									Infiltration		0.0			
720 minute winter	47	465	6.998	0.031	1.0	0.0037	0.0000	OK	3.022	48	1.0	0.074	0.000	1.1181
									Infiltration		0.0			
720 minute winter	48	465	6.998	0.201	1.3	0.0241	0.0000	OK	3.023	53	0.9	0.082	0.001	1.9965
									Infiltration		0.2			
720 minute winter	49	750	7.902	-0.098	256.5	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
720 minute winter	50	15	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
720 minute winter	51	15	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
720 minute winter	52	15	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
720 minute winter	53	465	6.998	0.211	1.2	0.0253	0.0000	OK	3.024	54	0.8	0.117	0.000	3.3200
									Infiltration		0.2			
720 minute winter	54	465	6.998	0.371	1.0	0.0445	0.0000	OK	3.025	54_OUT	0.5	0.032	0.000	0.0514
									Infiltration		0.3			
720 minute winter	54_OUT	465	6.998	0.491	0.7	0.0589	0.0000	OK	Infiltration		0.4			

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720 minute winter	55	480	8.551	0.105	0.8	0.0356	0.0000	OK	5.000	56	0.8	0.271	0.108	0.2493
720 minute winter	56	480	8.551	0.135	1.8	0.5709	0.0000	OK	5.001	57	1.4	0.318	0.115	0.3608
									Infiltration		0.2			
720 minute winter	57	480	8.550	0.240	2.2	1.1569	0.0000	SURCHARGED	5.002	58	1.7	0.278	0.209	0.5462
									Infiltration		0.3			
720 minute winter	58	480	8.550	0.305	2.5	2.4739	0.0000	SURCHARGED	5.003	59	1.8	0.272	0.243	0.3806
									Infiltration		0.5			
720 minute winter	59	480	8.550	0.345	2.8	2.1604	0.0000	OK	5.004	60	1.5	0.045	0.002	10.5011
									Infiltration		0.4			
720 minute winter	60	480	8.550	0.385	2.3	0.1240	0.0000	OK	5.005	61	0.6	0.029	0.001	15.7537
									Infiltration		0.6			
720 minute winter	61	480	8.550	0.414	1.4	0.1407	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.8			
720 minute winter	62	480	8.175	0.039	0.8	0.0133	0.0000	OK	5.007	63	0.8	0.042	0.000	8.9670
720 minute winter	63	480	8.175	0.339	1.7	0.1153	0.0000	OK	5.008	63_OUT	0.2	0.018	0.000	8.1201
									Infiltration		0.8			
720 minute winter	63_OUT	480	8.175	0.410	0.8	0.1395	0.0000	OK	Infiltration		0.4			
720 minute winter	64	510	6.565	0.360	0.4	0.0607	0.0000	OK	6.000	65	0.2	0.041	0.000	3.5974
720 minute winter	65	510	6.565	0.440	0.6	0.0703	0.0000	OK	6.001	66	0.1	0.039	0.000	5.2444
									Infiltration		0.2			
720 minute winter	66	510	6.565	0.472	0.6	0.0745	0.0000	OK	6.002	67	-0.1	-0.002	0.000	2.9867
									Infiltration		0.2			
720 minute winter	67	510	6.565	0.489	0.4	0.0757	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
720 minute winter	68	485	6.167	0.091	0.4	0.0141	0.0000	OK	6.004	69	0.4	0.029	0.000	5.8764
720 minute winter	69	485	6.167	0.402	0.8	0.0643	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
720 minute winter	70	495	5.990	0.235	0.4	0.0375	0.0000	OK	6.006	71	0.3	0.034	0.000	1.9186
720 minute winter	71	495	5.990	0.305	0.7	0.0487	0.0000	OK	6.007	72	0.2	0.009	0.000	6.0285
									Infiltration		0.1			
720 minute winter	72	495	5.990	0.305	0.6	0.0487	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0084
									Infiltration		0.4			
720 minute winter	73	510	6.270	0.565	0.4	0.0903	0.0000	OK	6.009	74	0.2	0.018	0.000	3.5858
720 minute winter	74	510	6.270	0.565	0.8	0.0903	0.0000	OK	6.010	75	0.2	0.043	0.000	4.0717
									Infiltration		0.1			
720 minute winter	75	510	6.270	0.585	0.5	0.0903	0.0000	OK	6.011	76	0.3	0.030	0.000	4.2745
									Infiltration		0.2			
720 minute winter	76	510	6.270	0.635	0.5	0.0984	0.0000	OK	6.012	75_OUT	0.1	0.005	0.000	4.3657
									Infiltration		0.2			
720 minute winter	76_OUT	510	6.270	0.635	0.4	0.1015	0.0000	OK	Infiltration		0.2			

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Results for 100 year +30% 960 minute summer, 1200 minute analysis at 15 minute timestep. Mass balance: 97.87%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	1	465	9.800	0.500	0.2	0.0000	0.0000	FLOOD RISK	1.000	2	-0.2	-0.063	-0.009	0.4853	
960 minute summer	2	465	9.800	0.550	2.5	0.0000	0.0000	FLOOD RISK	1.001	3	-2.5	-0.140	-0.127	1.1264	
960 minute summer	3	465	9.800	0.650	4.4	0.0000	0.0000	FLOOD RISK	1.002	4	-4.4	-0.141	-0.206	0.4986	
960 minute summer	4	465	9.800	0.700	4.9	0.0000	0.0000	FLOOD RISK	1.003	5	-4.9	-0.158	-0.215	0.8441	
960 minute summer	5	465	9.800	0.800	5.4	0.0000	0.0000	FLOOD RISK	1.004	6	-5.4	-0.172	-0.144	0.1621	
960 minute summer	6	465	9.800	0.900	18.5	8.7318	0.0000	FLOOD RISK	1.005	7	18.5	0.546	0.381	0.7796	
960 minute summer	7	465	9.800	1.050	29.2	4.8790	0.0000	FLOOD RISK	1.006	8	29.2	0.533	0.415	2.4923	
960 minute summer	8	465	9.800	1.250	50.5	9.4882	0.0000	FLOOD RISK	1.007	9	50.5	0.542	0.487	5.9230	
960 minute summer	9	465	9.800	1.450	85.5	15.1438	0.0000	FLOOD RISK	1.008	10	85.6	0.516	0.361	3.1360	
960 minute summer	10	465	9.800	1.500	92.2	2.8383	0.0000	FLOOD RISK	1.009	11	92.2	0.481	0.624	47.8613	
960 minute summer	11	495	9.785	1.785	92.2	0.0000	0.0000	FLOOD RISK	1.010	12	92.2	0.597	0.320	53.3278	
960 minute summer	12	135	7.750	1.000	92.2	0.0000	0.0000	FLOOD RISK	1.011	13	92.2	0.696	0.470	0.2715	
960 minute summer	13	495	9.581	0.091	92.2	0.0000	0.0000	OK	1.012	13_OUT	92.2	3.797	0.075	0.1465	
960 minute summer	13_OUT	975	7.583	0.349	92.2	0.0000	0.0000	OK	Flow through pond	49	93.1	0.012	0.000	3209.9819	
960 minute summer	14	480	9.800	0.500	0.8	0.0000	0.0000	FLOOD RISK	2.000	15	-0.8	-0.046	-0.028	0.8136	
960 minute summer	15	480	9.800	0.714	14.1	5.8033	0.0000	FLOOD RISK	2.001	16	14.1	0.481	0.291	0.9254	
960 minute summer	16	480	9.800	0.809	14.1	0.0000	0.0000	FLOOD RISK	2.002	17	14.1	0.484	0.286	0.6320	
960 minute summer	17	495	9.800	0.941	21.4	2.9322	0.0000	FLOOD RISK	2.003	18	21.4	0.492	0.274	1.8756	
960 minute summer	18	495	9.797	1.118	38.9	7.0196	0.0000	FLOOD RISK	2.004	19	38.9	0.521	0.309	5.4890	
960 minute summer	19	495	9.785	1.329	69.1	11.9824	0.0000	FLOOD RISK	2.005	20	69.1	0.529	0.350	4.0628	
960 minute summer	20	495	9.778	1.368	69.1	0.0000	0.0000	FLOOD RISK	2.006	21	69.1	0.734	0.349	3.4979	
960 minute summer	21	495	9.774	1.402	69.1	0.0000	0.0000	FLOOD RISK	2.007	22	69.1	0.719	0.116	3.7404	
960 minute summer	22	495	9.769	1.769	88.5	7.6884	0.0000	FLOOD RISK	2.008	23	88.6	0.459	0.308	53.3017	
960 minute summer	23	120	7.750	1.000	88.5	0.0000	0.0000	FLOOD RISK	2.009	24	88.6	0.671	0.451	0.2709	
960 minute summer	24	495	9.589	0.089	88.6	0.0000	0.0000	OK	2.010	24_OUT	88.6	3.753	0.072	0.1413	
960 minute summer	24_OUT	945	7.675	0.342	88.6	0.0000	0.0000	OK	Flow through pond	49	93.1	0.012	0.000	3209.9819	
960 minute summer	25	495	8.825	0.030	1.5	0.0194	0.0000	OK	3.000	26	1.6	0.482	0.089	0.1185	
960 minute summer	26	495	8.478	0.043	3.2	0.1095	0.0000	OK	3.001	27	2.9	0.660	0.180	0.1728	
									Infiltration		0.3				
960 minute summer	27	495	8.160	0.045	4.5	0.1446	0.0000	OK	3.002	28	4.0	0.853	0.198	0.1531	
									Infiltration		0.5				
960 minute summer	28	495	7.743	0.048	5.8	0.1123	0.0000	OK	3.003	29	5.3	1.005	0.225	0.1891	
									Infiltration		0.3				
960 minute summer	29	495	7.119	0.054	6.9	0.1078	0.0000	OK	3.004	30	6.6	1.233	0.239	0.0388	
									Infiltration		0.3				
960 minute summer	30	525	6.912	0.087	6.9	0.0105	0.0000	OK	3.005	31	6.7	0.138	0.003	2.0182	
960 minute summer	31	525	6.912	0.217	7.0	0.0260	0.0000	OK	3.006	32	5.3	0.060	0.003	2.5016	
									Infiltration		1.4				
960 minute summer	32	525	6.911	0.268	5.8	0.0320	0.0000	OK	3.007	33	3.9	0.041	0.002	2.0258	

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									Infiltration		1.1				
									Infiltration		1.3				
960 minute summer	33	525	6.911	0.138	3.3	0.0164	0.0000	OK	3.008	34	2.9	0.154	0.002	1.3068	
960 minute summer	34	525	6.911	0.166	3.2	0.0200	0.0000	OK	3.009	35	2.1	0.149	0.001	1.4023	
									Infiltration		0.9				
960 minute summer	35	525	6.911	0.236	2.4	0.0284	0.0000	OK	3.010	36	1.3	0.027	0.000	3.4754	
									Infiltration		0.8				
960 minute summer	36	525	6.911	0.466	1.6	0.0463	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		1.4				
960 minute summer	37	495	6.511	0.008	0.3	0.0007	0.0000	OK	3.012	38	0.3	0.023	0.000	1.6251	
960 minute summer	38	510	6.471	0.208	2.2	0.0247	0.0000	OK	3.013	39	-1.6	-0.087	-0.001	1.0837	
									Infiltration		0.9				
									Infiltration		1.2				
960 minute summer	39	510	6.471	0.018	1.5	0.0019	0.0000	OK	3.014	40	-1.3	-0.201	-0.001	0.0987	
									Infiltration		0.0				
960 minute summer	40	495	6.707	0.012	1.3	0.0014	0.0000	OK	3.015	41	-1.0	-0.178	-0.001	0.0765	
									Infiltration		0.0				
960 minute summer	41	495	6.875	0.011	1.1	0.0013	0.0000	OK	3.018	42	-0.8	-0.151	-0.001	0.0542	
									Infiltration		0.0				
960 minute summer	42	480	7.093	0.008	0.8	0.0010	0.0000	OK	3.017	43	-0.5	-0.099	0.000	0.0627	
									Infiltration		0.0				
960 minute summer	43	480	7.155	0.010	0.5	0.0012	0.0000	OK	3.018	44	-0.2	-0.048	0.000	0.0491	
									Infiltration		0.0				
960 minute summer	44	480	7.230	0.005	0.3	0.0006	0.0000	OK	3.019	45	0.1	0.035	0.000	0.0396	
960 minute summer	45	495	7.293	0.008	0.4	0.0010	0.0000	OK	3.020	46	0.4	0.092	0.000	0.0567	
									Infiltration		0.0				
960 minute summer	46	495	7.134	0.009	0.7	0.0011	0.0000	OK	3.021	47	0.7	0.135	0.000	0.0709	
									Infiltration		0.0				
960 minute summer	47	495	6.975	0.011	1.0	0.0013	0.0000	OK	3.022	48	1.0	0.078	0.000	0.7572	
									Infiltration		0.0				
960 minute summer	48	570	6.954	0.159	1.3	0.0191	0.0000	OK	3.023	53	0.9	0.052	0.001	1.4942	
									Infiltration		0.2				
960 minute summer	49	1095	7.875	-0.125	145.9	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
960 minute summer	50	15	7.460	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
960 minute summer	51	15	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
960 minute summer	52	15	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
960 minute summer	53	570	6.954	0.169	1.2	0.0203	0.0000	OK	3.024	54	0.8	0.117	0.000	2.7044	
									Infiltration		0.2				
960 minute summer	54	570	6.954	0.329	1.0	0.0395	0.0000	OK	3.025	54_OUT	0.6	0.032	0.000	5.2191	
									Infiltration		0.3				
960 minute summer	54_OUT	570	6.954	0.449	0.7	0.0539	0.0000	OK	Infiltration		0.4				
960 minute summer	55	585	8.499	0.053	0.8	0.0179	0.0000	OK	5.000	56	0.8	0.271	0.198	0.1292	
960 minute summer	56	585	8.498	0.082	1.6	0.3280	0.0000	OK	5.001	57	1.5	0.318	0.117	0.2898	

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								Infiltration		0.2					
960 minute summer	57	585	8.498	0.188	2.3	0.8312	0.0000 SURCHARGED	5.002	58	1.7	0.290	0.215	0.5462		
								Infiltration		0.3					
960 minute summer	58	585	8.498	0.253	2.5	1.9715	0.0000 SURCHARGED	5.003	59	1.8	0.268	0.239	0.3906		
								Infiltration		0.5					
960 minute summer	59	585	8.497	0.282	2.6	1.7954	0.0000 OK	5.004	60	1.5	0.042	0.002	8.4083		
								Infiltration		0.4					
960 minute summer	60	585	8.497	0.312	2.3	0.1062	0.0000 OK	5.005	61	0.6	0.030	0.001	12.8434		
								Infiltration		0.5					
960 minute summer	61	585	8.497	0.361	1.4	0.1229	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		0.7					
960 minute summer	62	495	8.149	0.013	0.8	0.0044	0.0000 OK	5.007	63	0.8	0.044	0.000	5.1821		
960 minute summer	63	585	8.142	0.308	1.7	0.1041	0.0000 OK	5.008	63_OUT	0.2	0.018	0.000	7.1257		
								Infiltration		0.7					
960 minute summer	63_OUT	585	8.142	0.377	0.8	0.1282	0.0000 OK	Infiltration		0.4					
960 minute summer	64	600	8.506	0.321	0.4	0.0513	0.0000 OK	6.000	65	0.2	0.041	0.000	3.1217		
960 minute summer	65	600	8.506	0.381	0.6	0.0609	0.0000 OK	6.001	66	0.1	0.039	0.000	4.2843		
								Infiltration		0.2					
960 minute summer	66	600	8.506	0.413	0.6	0.0652	0.0000 OK	6.002	67	-0.1	-0.002	0.000	2.4822		
								Infiltration		0.2					
960 minute summer	67	600	8.506	0.430	0.4	0.0686	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
960 minute summer	68	585	8.138	0.060	0.4	0.0093	0.0000 OK	6.004	69	0.4	0.028	0.000	5.0348		
960 minute summer	69	585	8.138	0.371	0.8	0.0593	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
960 minute summer	70	585	5.950	0.195	0.4	0.0311	0.0000 OK	6.006	71	0.3	0.034	0.000	1.5518		
960 minute summer	71	585	5.950	0.265	0.7	0.0423	0.0000 OK	6.007	72	0.2	0.009	0.000	4.9766		
								Infiltration		0.1					
960 minute summer	72	585	5.950	0.265	0.5	0.0423	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
960 minute summer	73	600	8.192	0.487	0.4	0.0779	0.0000 OK	6.009	74	0.2	0.016	0.000	2.8749		
960 minute summer	74	600	8.192	0.487	0.5	0.0779	0.0000 OK	6.010	75	0.2	0.043	0.000	3.2545		
								Infiltration		0.1					
960 minute summer	75	600	8.192	0.487	0.5	0.0779	0.0000 OK	6.011	76	0.3	0.030	0.000	3.4585		
								Infiltration		0.1					
960 minute summer	76	600	8.192	0.557	0.5	0.0848	0.0000 OK	6.012	76_OUT	0.1	0.005	0.000	3.5581		
								Infiltration		0.1					
960 minute summer	76_OUT	600	8.192	0.557	0.4	0.0891	0.0000 OK	Infiltration		0.1					

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Results for 100 year +30% 960 minute winter. 1280 minute analysis at 15 minute timestep. Mass balance: 98.68%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	1	495	9.785	0.485	1.4	0.0000	0.0000	FLOOD RISK	1.000	2	-1.4	-0.093	-0.062	0.4653	
960 minute winter	2	495	9.785	0.535	4.4	0.0000	0.0000	FLOOD RISK	1.001	3	-4.4	-0.157	-0.223	1.1284	
960 minute winter	3	495	9.785	0.635	5.5	0.0000	0.0000	FLOOD RISK	1.002	4	-5.5	-0.178	-0.280	0.4986	
960 minute winter	4	485	9.785	0.685	5.9	0.0000	0.0000	FLOOD RISK	1.003	5	-5.9	-0.188	-0.257	0.8441	
960 minute winter	5	485	9.785	0.785	6.3	0.0000	0.0000	FLOOD RISK	1.004	6	-6.3	-0.201	-0.158	0.1621	
960 minute winter	6	495	9.785	0.885	13.7	7.2976	0.0000	FLOOD RISK	1.005	7	13.7	0.568	0.283	0.7796	
960 minute winter	7	495	9.779	1.029	21.8	4.1923	0.0000	FLOOD RISK	1.006	8	21.8	0.548	0.308	2.4923	
960 minute winter	8	495	9.769	1.219	37.5	8.3687	0.0000	FLOOD RISK	1.007	9	37.5	0.656	0.347	5.9230	
960 minute winter	9	495	9.757	1.407	63.6	13.6796	0.0000	FLOOD RISK	1.008	10	63.6	0.534	0.288	3.1360	
960 minute winter	10	495	9.753	1.453	68.5	2.5765	0.0000	FLOOD RISK	1.009	11	68.5	0.522	0.464	47.8613	
960 minute winter	11	495	9.690	1.890	68.5	0.0000	0.0000	FLOOD RISK	1.010	12	68.5	0.429	0.238	53.3278	
960 minute winter	12	120	7.750	1.000	68.5	0.0000	0.0000	FLOOD RISK	1.011	13	68.5	0.529	0.349	0.2658	
960 minute winter	13	495	9.579	0.079	68.5	0.0000	0.0000	OK	1.012	13_OUT	68.5	3.480	0.055	0.1179	
960 minute winter	13_OUT	975	7.929	0.396	68.5	0.0000	0.0000	OK	Flow through pond	49	170.7	0.615	0.000	3639.3354	
960 minute winter	14	485	9.707	0.407	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	0.4	0.614	0.614	0.8136	
960 minute winter	15	495	9.707	0.621	10.5	4.9207	0.0000	FLOOD RISK	2.001	16	10.5	0.503	0.217	0.9254	
960 minute winter	16	495	9.702	0.711	10.5	0.0000	0.0000	FLOOD RISK	2.002	17	10.5	0.506	0.213	0.8329	
960 minute winter	17	495	9.699	0.840	15.9	2.6083	0.0000	FLOOD RISK	2.003	18	15.9	0.508	0.203	1.8750	
960 minute winter	18	495	9.695	1.014	26.9	6.3788	0.0000	FLOOD RISK	2.004	19	26.9	0.540	0.230	5.4890	
960 minute winter	19	485	9.688	1.232	51.3	11.1127	0.0000	FLOOD RISK	2.005	20	51.3	0.548	0.260	4.9628	
960 minute winter	20	485	9.685	1.274	51.3	0.0000	0.0000	FLOOD RISK	2.006	21	51.3	0.775	0.259	3.4979	
960 minute winter	21	495	9.683	1.311	51.3	0.0000	0.0000	FLOOD RISK	2.007	22	51.3	0.783	0.086	3.7404	
960 minute winter	22	495	9.680	1.680	65.8	7.2974	0.0000	FLOOD RISK	2.008	23	65.8	0.516	0.228	53.3017	
960 minute winter	23	120	7.750	1.000	65.8	0.0000	0.0000	FLOOD RISK	2.009	24	65.8	0.509	0.335	0.2653	
960 minute winter	24	495	9.577	0.077	65.8	0.0000	0.0000	OK	2.010	24_OUT	65.8	3.441	0.053	0.1145	
960 minute winter	24_OUT	915	7.921	0.387	65.8	0.0000	0.0000	OK	Flow through pond	49	170.7	0.615	0.000	3639.3354	
960 minute winter	25	480	8.622	0.026	1.2	0.0156	0.0000	OK	3.000	28	1.2	0.446	0.067	0.0959	
960 minute winter	26	480	8.472	0.037	2.4	0.0842	0.0000	OK	3.001	27	2.1	0.609	0.133	0.1382	
									Infiltration		0.3				
960 minute winter	27	480	8.154	0.039	3.3	0.1087	0.0000	OK	3.002	28	2.9	0.782	0.145	0.1219	
									Infiltration		0.4				
960 minute winter	28	480	7.736	0.041	4.1	0.0854	0.0000	OK	3.003	29	3.9	0.926	0.164	0.1497	
									Infiltration		0.3				
960 minute winter	29	480	7.119	0.045	5.1	0.0810	0.0000	OK	3.004	30	4.9	1.138	0.175	0.0290	
									Infiltration		0.2				
960 minute winter	30	480	6.860	0.035	5.1	0.0042	0.0000	OK	3.005	31	5.1	0.138	0.002	1.1966	
960 minute winter	31	525	6.654	0.158	5.3	0.0190	0.0000	OK	3.006	32	4.0	0.081	0.002	1.7556	
									Infiltration		1.2				

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960 minute winter	32	525	6.853	0.258	4.2	0.0250	0.0000	OK	3.007	33	2.1	0.034	0.001	1.3438
									Infiltration		1.0			
									Infiltration		1.1			
960 minute winter	33	525	6.853	0.078	2.3	0.0094	0.0000	OK	3.008	34	2.2	0.141	0.002	0.7333
960 minute winter	34	525	6.853	0.108	2.4	0.0129	0.0000	OK	3.009	35	1.7	0.132	0.001	0.9164
									Infiltration		0.8			
960 minute winter	35	525	6.853	0.178	1.9	0.0213	0.0000	OK	3.010	36	1.2	0.027	0.000	2.5630
									Infiltration		0.7			
960 minute winter	36	525	6.853	0.348	1.4	0.0397	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.2			
960 minute winter	37	420	6.509	0.004	0.2	0.0005	0.0000	OK	3.012	38	0.2	0.023	0.000	1.9722
960 minute winter	38	585	6.413	0.148	1.5	0.0177	0.0000	OK	3.013	39	-1.1	-0.087	-0.001	0.7136
									Infiltration		0.8			
									Infiltration		0.8			
960 minute winter	39	420	6.466	0.011	1.1	0.0013	0.0000	OK	3.014	40	-0.9	-0.171	-0.001	0.0710
									Infiltration		0.0			
960 minute winter	40	420	6.704	0.008	0.8	0.0011	0.0000	OK	3.015	41	-0.7	-0.152	0.000	0.0594
									Infiltration		0.0			
960 minute winter	41	420	6.874	0.009	0.7	0.0010	0.0000	OK	3.016	42	-0.5	-0.129	0.000	0.0499
									Infiltration		0.0			
960 minute winter	42	420	7.092	0.007	0.5	0.0008	0.0000	OK	3.017	43	-0.3	-0.084	0.000	0.0466
									Infiltration		0.0			
960 minute winter	43	405	7.153	0.008	0.3	0.0010	0.0000	OK	3.018	44	-0.1	-0.041	0.000	0.0383
									Infiltration		0.0			
960 minute winter	44	420	7.229	0.004	0.2	0.0005	0.0000	OK	3.019	45	0.1	0.030	0.000	0.0309
960 minute winter	45	420	7.201	0.006	0.3	0.0008	0.0000	OK	3.020	46	0.3	0.078	0.000	0.0440
									Infiltration		0.0			
960 minute winter	46	420	7.132	0.007	0.5	0.0008	0.0000	OK	3.021	47	0.5	0.115	0.000	0.0550
									Infiltration		0.0			
960 minute winter	47	420	6.974	0.008	0.7	0.0010	0.0000	OK	3.022	48	0.6	0.074	0.000	0.7450
									Infiltration		0.0			
960 minute winter	48	600	6.950	0.155	0.8	0.0186	0.0000	OK	3.023	53	0.7	0.082	0.001	1.4529
									Infiltration		0.2			
960 minute winter	49	1125	7.922	-0.078	190.8	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
960 minute winter	50	15	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
960 minute winter	51	15	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
960 minute winter	52	15	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
960 minute winter	53	600	6.950	0.155	0.9	0.0198	0.0000	OK	3.024	54	0.8	0.117	0.000	2.5535
									Infiltration		0.2			
960 minute winter	54	600	6.950	0.325	1.0	0.0390	0.0000	OK	3.025	54_OUT	0.5	0.032	0.000	5.1497
									Infiltration		0.3			
960 minute winter	54_OUT	600	6.950	0.445	0.7	0.0534	0.0000	OK	Infiltration		0.4			

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960 minute winter	55	615	8.505	0.059	0.6	0.0202	0.0000 OK	5.000	56	0.6	0.250	0.081	0.1456
960 minute winter	56	615	8.505	0.089	1.2	0.3591	0.0000 OK	5.001	57	1.1	0.302	0.086	0.3003
								Infiltration		0.2			
960 minute winter	57	615	8.505	0.135	1.7	0.8731	0.0000 SURCHARGED	5.002	58	1.3	0.273	0.158	0.5462
								Infiltration		0.3			
960 minute winter	58	615	8.504	0.258	1.9	2.0363	0.0000 SURCHARGED	5.003	59	1.3	0.270	0.172	0.3806
								Infiltration		0.5			
960 minute winter	59	615	8.504	0.299	1.9	1.5426	0.0000 OK	5.004	60	1.1	0.042	0.002	8.6884
								Infiltration		0.4			
960 minute winter	60	615	8.504	0.319	1.7	0.1086	0.0000 OK	5.005	61	0.5	0.028	0.001	13.2058
								Infiltration		0.5			
960 minute winter	61	615	8.504	0.368	1.1	0.1252	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.7			
960 minute winter	62	615	8.149	0.013	0.6	0.0045	0.0000 OK	5.007	63	0.6	0.042	0.000	8.5188
960 minute winter	63	615	8.149	0.313	1.2	0.1066	0.0000 OK	5.008	63_OUT	0.2	0.018	0.000	7.3330
								Infiltration		0.7			
960 minute winter	63_OUT	615	8.149	0.384	0.8	0.1306	0.0000 OK	Infiltration		0.4			
960 minute winter	64	645	6.529	0.344	0.3	0.0550	0.0000 OK	6.000	65	0.2	0.041	0.000	3.4214
960 minute winter	65	645	6.529	0.404	0.5	0.0646	0.0000 OK	6.001	66	0.1	0.039	0.000	4.6558
								Infiltration		0.2			
960 minute winter	66	645	6.529	0.436	0.4	0.0689	0.0000 OK	6.002	67	-0.1	-0.002	0.000	2.6654
								Infiltration		0.2			
960 minute winter	67	645	6.529	0.463	0.3	0.0702	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
960 minute winter	68	630	6.137	0.081	0.3	0.0094	0.0000 OK	6.004	69	0.3	0.028	0.000	5.9620
960 minute winter	69	630	6.137	0.372	0.6	0.0595	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.4			
960 minute winter	70	630	5.955	0.200	0.3	0.0320	0.0000 OK	6.006	71	0.2	0.034	0.000	1.5981
960 minute winter	71	630	5.955	0.270	0.5	0.0432	0.0000 OK	6.007	72	0.2	0.009	0.000	5.1093
								Infiltration		0.1			
960 minute winter	72	630	5.955	0.270	0.5	0.0432	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0030
								Infiltration		0.3			
960 minute winter	73	645	6.233	0.528	0.3	0.0845	0.0000 OK	6.009	74	0.2	0.018	0.000	3.2483
960 minute winter	74	645	6.233	0.528	0.5	0.0845	0.0000 OK	6.010	75	0.2	0.043	0.000	3.5759
								Infiltration		0.1			
960 minute winter	75	645	6.233	0.528	0.4	0.0845	0.0000 OK	6.011	76	0.3	0.030	0.000	3.8798
								Infiltration		0.2			
960 minute winter	76	645	6.233	0.598	0.4	0.0909	0.0000 OK	6.012	75_OUT	0.1	0.005	0.000	3.9803
								Infiltration		0.2			
960 minute winter	76_OUT	645	6.233	0.598	0.3	0.0957	0.0000 OK	Infiltration		0.1			

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Results for 100 year +30% 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 97.98%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	1	750	9.763	0.463	0.3	0.0000	0.0000	FLOOD RISK	1.000	2	-0.3	-0.009	-0.013	0.4653	
1440 minute summer	2	750	9.763	0.513	0.6	0.0000	0.0000	FLOOD RISK	1.001	3	-0.6	-0.018	-0.029	1.1284	
1440 minute summer	3	750	9.763	0.613	0.8	0.0000	0.0000	FLOOD RISK	1.002	4	-0.8	-0.027	-0.040	0.4986	
1440 minute summer	4	750	9.763	0.663	1.0	0.0000	0.0000	FLOOD RISK	1.003	5	-1.0	-0.033	-0.045	0.8441	
1440 minute summer	5	750	9.753	0.763	1.2	0.0000	0.0000	FLOOD RISK	1.004	6	-1.2	-0.064	-0.033	0.1621	
1440 minute summer	6	750	9.753	0.863	13.0	7.1118	0.0000	FLOOD RISK	1.005	7	13.0	0.486	0.268	0.7796	
1440 minute summer	7	750	9.757	1.007	20.5	4.1032	0.0000	FLOOD RISK	1.006	8	20.5	0.475	0.292	2.4923	
1440 minute summer	8	750	9.748	1.198	35.5	8.2229	0.0000	FLOOD RISK	1.007	9	35.5	0.483	0.328	5.9250	
1440 minute summer	9	750	9.737	1.387	60.2	13.4882	0.0000	FLOOD RISK	1.008	10	60.2	0.459	0.254	3.1080	
1440 minute summer	10	750	9.734	1.434	64.9	2.5423	0.0000	FLOOD RISK	1.009	11	64.9	0.427	0.439	47.8613	
1440 minute summer	11	750	9.677	1.677	64.9	0.0000	0.0000	FLOOD RISK	1.010	12	64.9	0.332	0.225	50.3278	
1440 minute summer	12	180	7.750	1.000	64.9	0.0000	0.0000	FLOOD RISK	1.011	13	64.9	0.503	0.331	0.2649	
1440 minute summer	13	750	9.577	0.077	64.9	0.0000	0.0000	OK	1.012	13_OUT	64.9	3.426	0.052	0.1135	
1440 minute summer	13_OUT	1470	7.900	0.366	64.9	0.0000	0.0000	OK	Flow through pond	49	74.7	0.008	0.000	3457.0476	
1440 minute summer	14	750	9.691	0.391	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.1	0.002	0.002	0.8136	
1440 minute summer	15	750	9.691	0.605	9.9	4.7986	0.0000	FLOOD RISK	2.001	16	9.9	0.435	0.204	0.9254	
1440 minute summer	16	750	9.687	0.696	9.9	0.0000	0.0000	FLOOD RISK	2.002	17	9.9	0.441	0.201	0.5320	
1440 minute summer	17	750	9.684	0.825	15.0	2.5611	0.0000	FLOOD RISK	2.003	18	15.0	0.438	0.192	1.8750	
1440 minute summer	18	750	9.681	1.000	27.3	6.2902	0.0000	FLOOD RISK	2.004	19	27.3	0.462	0.217	5.4890	
1440 minute summer	19	750	9.675	1.219	48.5	10.9922	0.0000	FLOOD RISK	2.005	20	48.5	0.465	0.248	4.0628	
1440 minute summer	20	750	9.672	1.281	48.5	0.0000	0.0000	FLOOD RISK	2.006	21	48.5	0.653	0.245	3.4979	
1440 minute summer	21	750	9.670	1.298	48.5	0.0000	0.0000	FLOOD RISK	2.007	22	48.5	0.642	0.081	3.7464	
1440 minute summer	22	750	9.667	1.667	62.2	7.2431	0.0000	FLOOD RISK	2.008	23	62.2	0.318	0.218	53.3017	
1440 minute summer	23	180	7.750	1.000	62.2	0.0000	0.0000	FLOOD RISK	2.009	24	62.2	0.483	0.317	0.2644	
1440 minute summer	24	750	9.575	0.075	62.2	0.0000	0.0000	OK	2.010	24_OUT	62.2	3.382	0.050	0.1101	
1440 minute summer	24_OUT	1470	7.908	0.375	62.2	0.0000	0.0000	OK	Flow through pond	49	74.7	0.008	0.000	3457.0476	
1440 minute summer	25	750	8.821	0.025	1.1	0.0181	0.0000	OK	3.000	26	1.1	0.435	0.061	0.0899	
1440 minute summer	26	750	8.479	0.035	2.2	0.0778	0.0000	OK	3.001	27	1.9	0.594	0.121	0.1292	
									Infiltration		0.3				
1440 minute summer	27	750	8.152	0.037	3.0	0.0999	0.0000	OK	3.002	28	2.7	0.760	0.131	0.1138	
									Infiltration		0.4				
1440 minute summer	28	750	7.734	0.038	3.8	0.0787	0.0000	OK	3.003	29	3.5	0.902	0.148	0.1384	
									Infiltration		0.2				
1440 minute summer	29	750	7.108	0.043	4.6	0.0744	0.0000	OK	3.004	30	4.4	1.109	0.159	0.0270	
									Infiltration		0.2				
1440 minute summer	30	750	6.858	0.033	4.6	0.0040	0.0000	OK	3.005	31	4.6	0.138	0.002	0.9634	
1440 minute summer	31	780	6.824	0.129	4.8	0.0155	0.0000	OK	3.006	32	3.6	0.058	0.002	1.4154	
									Infiltration		1.0				
1440 minute summer	32	780	6.824	0.179	4.0	0.0215	0.0000	OK	3.007	33	2.1	0.036	0.001	1.0356	

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								Infiltration		0.9					
								Infiltration		1.0					
1440 minute summer	33	780	6.824	0.049	2.3	0.0059	0.0000 OK	3.008	34	2.2	0.136	0.002	0.4759		
1440 minute summer	34	780	6.823	0.078	2.4	0.0093	0.0000 OK	3.009	35	1.6	0.132	0.001	0.8932		
								Infiltration		0.7					
1440 minute summer	35	780	6.823	0.148	1.8	0.0177	0.0000 OK	3.010	36	1.1	0.019	0.000	2.2800		
								Infiltration		0.8					
1440 minute summer	36	780	6.823	0.318	1.3	0.0382	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000		
								Infiltration		1.1					
1440 minute summer	37	720	6.509	0.004	0.2	0.0005	0.0000 OK	3.012	38	0.2	0.011	0.000	1.0679		
1440 minute summer	38	780	6.412	0.147	1.5	0.0177	0.0000 OK	3.013	39	-1.1	-0.045	-0.001	0.7108		
								Infiltration		0.5					
								Infiltration		0.8					
1440 minute summer	39	720	6.466	0.011	1.1	0.0013	0.0000 OK	3.014	40	-0.9	-0.171	-0.001	0.0710		
								Infiltration		0.0					
1440 minute summer	40	720	6.704	0.009	0.9	0.0011	0.0000 OK	3.015	41	-0.7	-0.152	0.000	0.0594		
								Infiltration		0.0					
1440 minute summer	41	720	6.874	0.009	0.7	0.0010	0.0000 OK	3.016	42	-0.5	-0.129	0.000	0.0499		
								Infiltration		0.0					
1440 minute summer	42	720	7.092	0.007	0.5	0.0008	0.0000 OK	3.017	43	-0.3	-0.084	0.000	0.0468		
								Infiltration		0.0					
1440 minute summer	43	720	7.153	0.008	0.3	0.0010	0.0000 OK	3.018	44	-0.1	-0.041	0.000	0.0383		
								Infiltration		0.0					
1440 minute summer	44	720	7.229	0.004	0.2	0.0005	0.0000 OK	3.019	45	0.1	0.030	0.000	0.0309		
1440 minute summer	45	720	7.201	0.006	0.3	0.0008	0.0000 OK	3.020	46	0.3	0.078	0.000	0.0440		
								Infiltration		0.0					
1440 minute summer	46	720	7.132	0.007	0.5	0.0008	0.0000 OK	3.021	47	0.5	0.115	0.000	0.0550		
								Infiltration		0.0					
1440 minute summer	47	720	6.974	0.008	0.7	0.0010	0.0000 OK	3.022	48	0.6	0.072	0.000	0.5036		
								Infiltration		0.0					
1440 minute summer	48	810	6.906	0.111	0.8	0.0133	0.0000 OK	3.023	53	0.7	0.065	0.001	0.9827		
								Infiltration		0.1					
1440 minute summer	49	1500	7.901	-0.099	111.8	0.0000	0.0000 OK	Orifice	50	0.0					
								Infiltration		0.0					
1440 minute summer	50	30	7.400	0.000	0.0	0.0000	0.0000 OK	4.001	51	0.0	0.000	0.000	0.0000		
1440 minute summer	51	30	7.300	0.000	0.0	0.0000	0.0000 OK	4.002	52	0.0	0.000	0.000	0.0000		
1440 minute summer	52	30	7.200	0.000	0.0	0.0000	0.0000 OK	4.003	53	0.0	0.000	0.000	0.0000		
1440 minute summer	53	810	6.906	0.121	0.9	0.0145	0.0000 OK	3.024	54	0.5	0.104	0.000	2.0680		
								Infiltration		0.2					
1440 minute summer	54	810	6.906	0.281	0.8	0.0337	0.0000 OK	3.025	54_OUT	0.4	0.026	0.000	4.3416		
								Infiltration		0.2					
1440 minute summer	54_OUT	810	6.906	0.401	0.5	0.0481	0.0000 OK	Infiltration		0.4					
1440 minute summer	55	750	8.475	0.029	0.6	0.0097	0.0000 OK	5.000	56	0.6	0.250	0.001	0.0402		
1440 minute summer	56	840	8.449	0.033	1.3	0.0962	0.0000 OK	5.001	57	1.1	0.302	0.006	0.2104		

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								Infiltration		0.1				
1440 minute summer	57	840	8.449	0.139	1.7	0.5294	0.0000 OK	S.002	58	1.4	0.287	0.176	0.5377	
								Infiltration		0.3				
1440 minute summer	58	840	8.449	0.204	2.6	1.5032	0.0000 SURCHARGED	S.003	59	1.3	0.266	0.173	0.3906	
								Infiltration		0.5				
1440 minute summer	59	840	8.448	0.244	1.9	1.4554	0.0000 OK	S.004	60	1.1	0.042	0.002	6.6321	
								Infiltration		0.4				
1440 minute summer	60	840	8.449	0.264	1.7	0.0897	0.0000 OK	S.005	61	0.5	0.030	0.000	10.3603	
								Infiltration		0.5				
1440 minute summer	61	840	8.449	0.313	1.1	0.1084	0.0000 OK	S.006	62	0.0	0.000	0.000	0.0000	
								Infiltration		0.7				
1440 minute summer	62	750	8.147	0.611	0.6	0.0037	0.0000 OK	S.007	63	0.5	0.041	0.000	6.8372	
1440 minute summer	63	840	8.104	0.288	1.2	0.0912	0.0000 OK	S.008	63_OUT	0.2	0.015	0.000	6.0553	
								Infiltration		0.6				
1440 minute summer	63_OUT	840	8.104	0.339	0.6	0.1153	0.0000 OK	Infiltration		0.4				
1440 minute summer	64	870	6.461	0.276	0.3	0.0442	0.0000 OK	S.000	65	0.2	0.040	0.000	2.5840	
1440 minute summer	65	870	6.461	0.336	0.5	0.0538	0.0000 OK	S.001	66	0.2	0.002	0.000	3.8148	
								Infiltration		0.2				
1440 minute summer	66	870	6.461	0.368	0.4	0.0582	0.0000 OK	S.002	67	-0.1	0.002	0.000	2.0953	
								Infiltration		0.2				
1440 minute summer	67	870	6.461	0.385	0.3	0.0597	0.0000 OK	S.003	68	0.0	0.000	0.000	0.0000	
								Infiltration		0.1				
1440 minute summer	68	840	6.101	0.025	0.3	0.0038	0.0000 OK	S.004	69	0.3	0.017	0.000	4.1563	
1440 minute summer	69	840	6.101	0.336	0.6	0.0537	0.0000 OK	S.005	70	0.0	0.000	0.000	0.0000	
								Infiltration		0.3				
1440 minute summer	70	870	5.910	0.155	0.3	0.0247	0.0000 OK	S.006	71	0.2	0.023	0.000	1.2131	
1440 minute summer	71	870	5.910	0.225	0.5	0.0359	0.0000 OK	S.007	72	0.2	0.008	0.000	4.0016	
								Infiltration		0.1				
1440 minute summer	72	870	5.910	0.225	0.5	0.0359	0.0000 OK	S.008	73	0.0	0.000	0.000	0.0000	
								Infiltration		0.3				
1440 minute summer	73	870	6.143	0.438	0.3	0.0701	0.0000 OK	S.009	74	0.2	0.015	0.000	2.4575	
1440 minute summer	74	870	6.143	0.438	0.5	0.0701	0.0000 OK	S.010	75	0.2	0.040	0.000	2.7828	
								Infiltration		0.1				
1440 minute summer	75	870	6.143	0.438	0.4	0.0701	0.0000 OK	S.011	76	0.2	0.020	0.000	2.9859	
								Infiltration		0.1				
1440 minute summer	76	870	6.143	0.508	0.4	0.0772	0.0000 OK	S.012	76_OUT	0.1	0.003	0.000	3.1045	
								Infiltration		0.1				
1440 minute summer	76_OUT	870	6.143	0.508	0.3	0.0813	0.0000 OK	Infiltration		0.1				

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Results for 100 year +30% 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 98.18%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	1	750	9.674	0.374	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	0.001	0.002	0.4653	
1440 minute winter	2	750	9.674	0.424	1.9	0.0000	0.0000	FLOOD RISK	1.001	3	-1.9	-0.129	-0.094	1.1264	
1440 minute winter	3	750	9.674	0.524	3.6	0.0000	0.0000	FLOOD RISK	1.002	4	-3.6	-0.126	-0.172	0.4986	
1440 minute winter	4	750	9.674	0.574	4.3	0.0000	0.0000	FLOOD RISK	1.003	5	-4.3	-0.137	-0.186	0.8441	
1440 minute winter	5	750	9.674	0.574	4.5	0.0000	0.0000	FLOOD RISK	1.004	6	-4.5	-0.145	-0.122	0.1621	
1440 minute winter	6	750	9.674	0.774	9.8	8.3780	0.0000	FLOOD RISK	1.005	7	9.8	0.514	0.262	0.7796	
1440 minute winter	7	750	9.670	0.920	15.4	3.7508	0.0000	FLOOD RISK	1.006	8	15.4	0.490	0.220	2.4923	
1440 minute winter	8	750	9.665	1.115	26.7	7.6556	0.0000	FLOOD RISK	1.007	9	26.7	0.496	0.247	5.9236	
1440 minute winter	9	750	9.659	1.309	45.3	12.7304	0.0000	FLOOD RISK	1.008	10	45.3	0.475	0.191	3.1360	
1440 minute winter	10	750	9.657	1.357	48.8	2.4066	0.0000	FLOOD RISK	1.009	11	48.8	0.466	0.330	47.8613	
1440 minute winter	11	750	9.625	1.625	48.8	0.0000	0.0000	FLOOD RISK	1.010	12	48.8	0.441	0.169	53.3278	
1440 minute winter	12	180	7.750	1.000	48.8	0.0000	0.0000	FLOOD RISK	1.011	13	48.8	0.385	0.249	8.2607	
1440 minute winter	13	750	9.567	0.067	48.8	0.0000	0.0000	OK	1.012	13_OUT	48.8	3.144	0.039	0.0930	
1440 minute winter	13_OUT	1440	7.963	0.430	48.8	0.0000	0.0000	OK	Flow through pond	49	92.7	0.010	0.000	3922.2524	
1440 minute winter	14	750	9.633	0.333	0.3	0.0000	0.0000	FLOOD RISK	2.000	15	-0.3	-0.010	-0.010	0.8136	
1440 minute winter	15	750	9.633	0.547	7.5	4.3377	0.0000	FLOOD RISK	2.001	16	7.5	0.445	0.155	0.9254	
1440 minute winter	16	750	9.631	0.640	7.5	0.0000	0.0000	FLOOD RISK	2.002	17	7.5	0.449	0.152	0.6320	
1440 minute winter	17	750	9.629	0.778	11.3	2.3898	0.0000	FLOOD RISK	2.003	18	11.3	0.454	0.145	1.8750	
1440 minute winter	18	750	9.627	0.946	20.6	5.9527	0.0000	FLOOD RISK	2.004	19	20.6	0.469	0.164	5.4896	
1440 minute winter	19	750	9.624	1.168	36.6	10.5315	0.0000	FLOOD RISK	2.005	20	36.6	0.491	0.186	4.0628	
1440 minute winter	20	750	9.622	1.211	36.6	0.0000	0.0000	FLOOD RISK	2.006	21	36.6	0.690	0.185	3.4979	
1440 minute winter	21	750	9.621	1.248	36.6	0.0000	0.0000	FLOOD RISK	2.007	22	36.6	0.599	0.061	3.7404	
1440 minute winter	22	750	9.620	1.620	46.9	7.0353	0.0000	FLOOD RISK	2.008	23	46.9	0.285	0.163	53.3017	
1440 minute winter	23	180	7.750	1.000	46.9	0.0000	0.0000	FLOOD RISK	2.009	24	46.9	0.371	0.239	0.2603	
1440 minute winter	24	750	9.566	0.066	46.9	0.0000	0.0000	OK	2.010	24_OUT	46.9	3.108	0.038	0.0903	
1440 minute winter	24_OUT	1530	7.959	0.425	46.9	0.0000	0.0000	OK	Flow through pond	49	92.7	0.010	0.000	3922.2524	
1440 minute winter	25	690	8.818	0.622	0.8	0.0138	0.0000	OK	3.000	26	0.8	0.402	0.045	0.0710	
1440 minute winter	26	690	8.465	0.630	1.6	0.0586	0.0000	OK	3.001	27	1.4	0.541	0.086	0.1008	
									Infiltration		0.2				
1440 minute winter	27	690	8.148	0.631	2.2	0.0735	0.0000	OK	3.002	28	1.9	0.686	0.092	0.0862	
									Infiltration		0.3				
1440 minute winter	28	690	7.728	0.633	2.7	0.0567	0.0000	OK	3.003	29	2.5	0.819	0.104	0.1074	
									Infiltration		0.2				
1440 minute winter	29	690	7.100	0.035	3.3	0.0551	0.0000	OK	3.004	30	3.1	1.008	0.111	0.0208	
									Infiltration		0.2				
1440 minute winter	30	720	6.852	0.027	3.3	0.0032	0.0000	OK	3.005	31	3.3	0.138	0.001	5.7587	
1440 minute winter	31	690	6.800	0.105	3.5	0.0126	0.0000	OK	3.006	32	2.7	0.056	0.002	1.1446	
									Infiltration		0.8				
1440 minute winter	32	690	6.799	0.154	2.9	0.0185	0.0000	OK	3.007	33	1.3	0.024	0.001	0.7920	

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									Infiltration		0.8				
									Infiltration		0.9				
1440 minute winter	33	690	6.798	0.024	1.5	0.0029	0.0000	OK	3.008	34	1.5	0.125	0.001	0.1887	
1440 minute winter	34	780	6.780	0.035	1.7	0.0042	0.0000	OK	3.009	35	1.3	0.141	0.001	0.4017	
									Infiltration		0.4				
1440 minute winter	35	780	6.779	0.104	1.5	0.0125	0.0000	OK	3.010	36	0.9	0.017	0.000	1.7662	
									Infiltration		0.5				
1440 minute winter	36	780	6.779	0.274	1.1	0.0313	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		1.0				
1440 minute winter	37	720	6.509	0.004	0.2	0.0005	0.0000	OK	3.012	38	0.2	0.011	0.000	1.0679	
1440 minute winter	38	780	6.412	0.147	1.5	0.0177	0.0000	OK	3.013	39	-1.1	-0.045	-0.001	0.7109	
									Infiltration		0.6				
									Infiltration		0.8				
1440 minute winter	39	720	6.466	0.011	1.1	0.0013	0.0000	OK	3.014	40	-0.9	-0.171	-0.001	0.0710	
									Infiltration		0.0				
1440 minute winter	40	720	6.704	0.009	0.9	0.0011	0.0000	OK	3.015	41	-0.7	-0.152	0.000	0.0594	
									Infiltration		0.0				
1440 minute winter	41	720	6.874	0.009	0.7	0.0010	0.0000	OK	3.016	42	-0.5	-0.129	0.000	0.0499	
									Infiltration		0.0				
1440 minute winter	42	720	7.092	0.007	0.5	0.0008	0.0000	OK	3.017	43	-0.3	-0.084	0.000	0.0468	
									Infiltration		0.0				
1440 minute winter	43	720	7.153	0.008	0.3	0.0010	0.0000	OK	3.018	44	-0.1	-0.041	0.000	0.0383	
									Infiltration		0.0				
1440 minute winter	44	720	7.228	0.004	0.2	0.0005	0.0000	OK	3.019	45	0.1	0.030	0.000	0.0309	
1440 minute winter	45	720	7.201	0.008	0.3	0.0008	0.0000	OK	3.020	46	0.3	0.078	0.000	0.0440	
									Infiltration		0.0				
1440 minute winter	46	720	7.132	0.007	0.5	0.0008	0.0000	OK	3.021	47	0.5	0.115	0.000	0.0550	
									Infiltration		0.0				
1440 minute winter	47	720	6.974	0.008	0.7	0.0010	0.0000	OK	3.022	48	0.6	0.060	0.000	0.5492	
									Infiltration		0.0				
1440 minute winter	48	810	6.915	0.120	0.8	0.0144	0.0000	OK	3.023	53	0.6	0.065	0.001	1.0721	
									Infiltration		0.1				
1440 minute winter	49	1590	7.953	-0.047	114.6	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
1440 minute winter	50	30	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
1440 minute winter	51	30	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
1440 minute winter	52	30	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
1440 minute winter	53	810	6.915	0.130	0.8	0.0156	0.0000	OK	3.024	54	0.5	0.104	0.000	2.1803	
									Infiltration		0.2				
1440 minute winter	54	810	6.915	0.290	0.7	0.0348	0.0000	OK	3.025	54_OUT	0.4	0.026	0.000	4.4980	
									Infiltration		0.3				
1440 minute winter	54_OUT	810	6.915	0.410	0.5	0.0492	0.0000	OK	Infiltration		0.4				
1440 minute winter	55	660	8.475	0.024	0.4	0.0080	0.0000	OK	5.000	56	0.4	0.224	0.054	0.0300	
1440 minute winter	56	660	8.440	0.024	0.8	0.0531	0.0000	OK	5.001	57	0.7	0.282	0.055	0.1711	

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									Infiltration		0.1				
1440 minute winter	57	870	8.427	0.117	1.1	0.3862	0.0000	OK	S.002	S8	1.0	0.267	0.127	0.5619	
									Infiltration		0.3				
1440 minute winter	58	870	8.427	0.182	1.4	1.3000	0.0000	SURCHARGED	S.003	S9	0.9	0.267	0.119	0.3906	
									Infiltration		0.5				
1440 minute winter	59	870	8.427	0.222	1.3	1.2998	0.0000	OK	S.004	S0	0.7	0.042	0.001	5.8727	
									Infiltration		0.3				
1440 minute winter	60	870	8.427	0.242	1.1	0.0822	0.0000	OK	S.005	S1	0.4	0.025	0.000	9.2940	
									Infiltration		0.4				
1440 minute winter	61	870	8.427	0.281	0.8	0.0988	0.0000	OK	S.006	S2	0.0	0.000	0.000	0.0000	
									Infiltration		0.6				
1440 minute winter	62	890	8.145	0.008	0.4	0.0028	0.0000	OK	S.007	S3	0.4	0.041	0.000	5.3656	
1440 minute winter	63	870	8.090	0.254	0.8	0.0864	0.0000	OK	S.008	S3_OUT	0.2	0.017	0.000	5.6734	
									Infiltration		0.6				
1440 minute winter	63_OUT	870	8.090	0.325	0.4	0.1105	0.0000	OK	Infiltration		0.4				
1440 minute winter	64	900	6.466	0.281	0.2	0.0449	0.0000	OK	S.000	S5	0.1	0.040	0.000	2.6367	
1440 minute winter	65	900	6.466	0.341	0.3	0.0545	0.0000	OK	S.001	S6	0.2	0.022	0.000	3.6829	
									Infiltration		0.2				
1440 minute winter	66	900	6.466	0.373	0.3	0.0589	0.0000	OK	S.002	S7	-0.1	0.002	0.000	2.1328	
									Infiltration		0.2				
1440 minute winter	67	900	6.466	0.390	0.2	0.0604	0.0000	OK	S.003	S8	0.0	0.000	0.000	0.0000	
									Infiltration		0.1				
1440 minute winter	68	870	6.095	0.018	0.2	0.0030	0.0000	OK	S.004	S9	0.2	0.017	0.000	4.0175	
1440 minute winter	69	870	6.095	0.330	0.4	0.0528	0.0000	OK	S.005	S0	0.0	0.000	0.000	0.0000	
									Infiltration		0.3				
1440 minute winter	70	900	5.906	0.151	0.2	0.0242	0.0000	OK	S.006	S1	0.2	0.023	0.000	1.1872	
1440 minute winter	71	900	5.906	0.221	0.4	0.0354	0.0000	OK	S.007	S2	0.2	0.008	0.000	3.9259	
									Infiltration		0.1				
1440 minute winter	72	900	5.906	0.221	0.4	0.0354	0.0000	OK	S.008	S3	0.0	0.000	0.000	0.0000	
									Infiltration		0.3				
1440 minute winter	73	900	6.155	0.459	0.2	0.0721	0.0000	OK	S.009	S4	0.1	0.015	0.000	2.5608	
1440 minute winter	74	900	6.155	0.459	0.3	0.0721	0.0000	OK	S.010	S5	0.2	0.040	0.000	2.8898	
									Infiltration		0.1				
1440 minute winter	75	900	6.155	0.459	0.3	0.0721	0.0000	OK	S.011	S6	0.2	0.020	0.000	3.1033	
									Infiltration		0.1				
1440 minute winter	76	900	6.155	0.528	0.3	0.0791	0.0000	OK	S.012	S6_OUT	0.1	0.003	0.000	3.2198	
									Infiltration		0.1				
1440 minute winter	76_OUT	900	6.155	0.528	0.2	0.0833	0.0000	OK	Infiltration		0.1				

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Results for 100 year +30% 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 98.09%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	1	1140	9.656	0.356	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	-0.001	-0.002	0.4853	
2160 minute summer	2	1140	9.656	0.406	0.0	0.0000	0.0000	FLOOD RISK	1.001	3	0.0	0.001	0.002	1.1264	
2160 minute summer	3	1140	9.656	0.506	0.1	0.0000	0.0000	FLOOD RISK	1.002	4	0.1	0.002	0.003	0.4986	
2160 minute summer	4	1140	9.656	0.556	0.1	0.0000	0.0000	FLOOD RISK	1.003	5	0.1	0.003	0.004	0.8441	
2160 minute summer	5	1140	9.656	0.656	0.1	0.0000	0.0000	FLOOD RISK	1.004	6	0.1	0.004	0.003	0.1621	
2160 minute summer	6	1140	9.656	0.756	9.0	6.2316	0.0000	FLOOD RISK	1.005	7	9.0	0.438	0.186	0.7796	
2160 minute summer	7	1140	9.653	0.903	14.2	3.8807	0.0000	FLOOD RISK	1.006	8	14.2	0.433	0.252	2.4923	
2160 minute summer	8	1140	9.649	1.099	24.7	7.5428	0.0000	FLOOD RISK	1.007	9	24.7	0.437	0.229	5.9230	
2160 minute summer	9	1140	9.644	1.294	41.9	12.5792	0.0000	FLOOD RISK	1.008	10	41.9	0.413	0.177	3.1360	
2160 minute summer	10	1140	9.642	1.342	45.1	2.3795	0.0000	FLOOD RISK	1.009	11	45.1	0.380	0.305	47.8613	
2160 minute summer	11	1140	9.614	1.614	45.1	0.0000	0.0000	FLOOD RISK	1.010	12	45.1	0.231	0.157	53.3278	
2160 minute summer	12	300	7.750	1.000	45.1	0.0000	0.0000	FLOOD RISK	1.011	13	45.1	0.358	0.230	0.2596	
2160 minute summer	13	1140	9.564	0.664	45.1	0.0000	0.0000	OK	1.012	13_OUT	45.1	3.059	0.036	0.0880	
2160 minute summer	13_OUT	2150	7.939	0.406	45.1	0.0000	0.0000	OK	Flow through pond	49	59.9	0.008	0.000	3748.6536	
2160 minute summer	14	1140	9.621	0.321	0.5	0.0000	0.0000	FLOOD RISK	2.000	15	-0.5	-0.027	-0.018	0.8136	
2160 minute summer	15	1140	9.621	0.535	5.9	4.2443	0.0000	FLOOD RISK	2.001	16	6.9	0.368	0.142	0.9254	
2160 minute summer	16	1140	9.619	0.628	6.9	0.0000	0.0000	FLOOD RISK	2.002	17	6.9	0.364	0.140	0.6320	
2160 minute summer	17	1140	9.618	0.758	10.5	2.3553	0.0000	FLOOD RISK	2.003	18	10.5	0.393	0.134	1.8750	
2160 minute summer	18	1140	9.616	0.935	19.1	5.8841	0.0000	FLOOD RISK	2.004	19	19.1	0.421	0.152	5.4890	
2160 minute summer	19	1140	9.613	1.157	33.9	10.4374	0.0000	FLOOD RISK	2.005	20	33.9	0.413	0.172	4.0628	
2160 minute summer	20	1140	9.612	1.201	33.9	0.0000	0.0000	FLOOD RISK	2.006	21	33.9	0.577	0.171	3.4979	
2160 minute summer	21	1140	9.611	1.239	33.9	0.0000	0.0000	FLOOD RISK	2.007	22	33.9	0.583	0.057	3.7404	
2160 minute summer	22	1140	9.610	1.610	43.4	6.9926	0.0000	FLOOD RISK	2.008	23	43.4	0.222	0.151	53.3017	
2160 minute summer	23	300	7.750	1.000	43.4	0.0000	0.0000	FLOOD RISK	2.009	24	43.4	0.345	0.221	0.2594	
2160 minute summer	24	1140	9.563	0.663	43.4	0.0000	0.0000	OK	2.010	24_OUT	43.4	3.033	0.035	0.0857	
2160 minute summer	24_OUT	2220	7.940	0.407	43.4	0.0000	0.0000	OK	Flow through pond	49	59.9	0.006	0.000	3748.6536	
2160 minute summer	25	1140	8.818	0.622	0.8	0.0138	0.0000	OK	3.000	26	0.8	0.402	0.045	0.0710	
2160 minute summer	26	1140	8.465	0.630	1.6	0.0586	0.0000	OK	3.001	27	1.4	0.541	0.086	0.1008	
									Infiltration		0.2				
2160 minute summer	27	1140	8.146	0.631	2.2	0.0735	0.0000	OK	3.002	28	1.9	0.686	0.092	0.0882	
									Infiltration		0.3				
2160 minute summer	28	1140	7.728	0.633	2.7	0.0567	0.0000	OK	3.003	29	2.5	0.819	0.104	0.1074	
									Infiltration		0.2				
2160 minute summer	29	1140	7.100	0.635	3.3	0.0551	0.0000	OK	3.004	30	3.1	1.008	0.111	0.0208	
									Infiltration		0.2				
2160 minute summer	30	1140	6.852	0.027	3.2	0.0032	0.0000	OK	3.005	31	3.2	0.136	0.001	0.7352	
2160 minute summer	31	1140	6.797	0.102	3.3	0.0122	0.0000	OK	3.006	32	2.5	0.052	0.001	1.1128	
									Infiltration		0.8				
2160 minute summer	32	1140	6.796	0.151	2.6	0.0182	0.0000	OK	3.007	33	0.9	0.018	0.001	0.7640	

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									Infiltration		0.5				
									Infiltration		0.9				
2160 minute summer	33	1140	6.796	0.021	1.0	0.0026	0.0000	OK	3.008	34	1.0	0.113	0.001	0.1155	
2160 minute summer	34	1980	6.758	0.013	1.1	0.0016	0.0000	OK	3.009	35	0.8	0.141	0.000	0.1420	
									Infiltration		0.2				
2160 minute summer	35	1140	6.716	0.041	1.0	0.0050	0.0000	OK	3.010	36	0.9	0.016	0.000	1.1078	
									Infiltration		0.3				
2160 minute summer	36	1140	6.716	0.211	1.0	0.0241	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.8				
2160 minute summer	37	960	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.006	0.000	0.5365	
2160 minute summer	38	1200	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.030	0.000	0.3805	
									Infiltration		0.3				
									Infiltration		0.4				
2160 minute summer	39	960	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461	
									Infiltration		0.0				
2160 minute summer	40	960	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0388	
									Infiltration		0.0				
2160 minute summer	41	960	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324	
									Infiltration		0.0				
2160 minute summer	42	960	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.084	0.000	0.0319	
									Infiltration		0.0				
2160 minute summer	43	960	7.156	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251	
									Infiltration		0.0				
2160 minute summer	44	960	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202	
2160 minute summer	45	960	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0286	
									Infiltration		0.0				
2160 minute summer	46	960	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0367	
									Infiltration		0.0				
2160 minute summer	47	960	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.058	0.000	0.1702	
									Infiltration		0.0				
2160 minute summer	48	1320	6.834	0.039	0.4	0.0047	0.0000	OK	3.023	50	0.4	0.065	0.001	0.3300	
									Infiltration		0.0				
2160 minute summer	49	2400	7.933	-0.067	85.8	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.8				
2160 minute summer	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
2160 minute summer	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
2160 minute summer	52	60	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
2160 minute summer	53	1320	6.834	0.049	0.5	0.0059	0.0000	OK	3.024	54	0.5	0.112	0.000	1.2285	
									Infiltration		0.1				
2160 minute summer	54	1320	6.834	0.209	0.8	0.0251	0.0000	OK	3.025	54_OUT	0.5	0.013	0.000	3.1458	
									Infiltration		0.2				
2160 minute summer	54_OUT	1320	6.834	0.329	0.6	0.0395	0.0000	OK	Infiltration		0.3				
2160 minute summer	55	1140	8.470	0.024	0.4	0.0080	0.0000	OK	5.000	56	0.4	0.224	0.054	0.0300	
2160 minute summer	56	1140	8.440	0.024	0.8	0.0531	0.0000	OK	5.001	57	0.7	0.262	0.056	0.1181	

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								Infiltration		0.1					
2160 minute summer	57	1260	8.391	0.081	1.1	0.2010	0.0000 OK	S.002	58	1.6	0.287	0.126	0.4223		
								Infiltration		0.2					
2160 minute summer	58	1260	8.391	0.146	1.4	0.9778	0.0000 OK	S.003	59	0.8	0.251	0.117	0.3892		
								Infiltration		0.4					
2160 minute summer	59	1260	8.391	0.186	1.3	1.0491	0.0000 OK	S.004	60	0.7	0.041	0.001	4.7206		
								Infiltration		0.3					
2160 minute summer	60	1260	8.391	0.206	1.1	0.0700	0.0000 OK	S.005	61	0.4	0.026	0.000	7.6694		
								Infiltration		0.4					
2160 minute summer	61	1260	8.391	0.255	0.8	0.0866	0.0000 OK	S.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		0.6					
2160 minute summer	62	1140	8.143	0.608	0.4	0.0028	0.0000 OK	S.007	63	0.4	0.040	0.000	5.3930		
2160 minute summer	63	1260	8.060	0.224	0.8	0.0760	0.0000 OK	S.008	63_OUT	0.1	0.014	0.000	4.8866		
								Infiltration		0.5					
2160 minute summer	63_OUT	1260	8.060	0.295	0.4	0.1002	0.0000 OK	Infiltration		0.3					
2160 minute summer	64	1260	6.437	0.252	0.2	0.0403	0.0000 OK	S.000	65	0.1	0.024	0.000	2.3083		
2160 minute summer	65	1260	6.437	0.312	0.3	0.0499	0.0000 OK	S.001	66	0.1	0.005	0.000	3.2697		
								Infiltration		0.2					
2160 minute summer	66	1260	6.437	0.344	0.3	0.0543	0.0000 OK	S.002	67	-0.1	0.001	0.000	1.9060		
								Infiltration		0.2					
2160 minute summer	67	1260	6.437	0.381	0.2	0.0559	0.0000 OK	S.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
2160 minute summer	68	1260	6.081	0.065	0.2	0.0007	0.0000 OK	S.004	69	0.2	0.009	0.000	3.6703		
2160 minute summer	69	1260	6.081	0.316	0.4	0.0505	0.0000 OK	S.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
2160 minute summer	70	1260	5.885	0.130	0.2	0.0208	0.0000 OK	S.006	71	0.2	0.014	0.000	1.6210		
2160 minute summer	71	1260	5.885	0.200	0.4	0.0320	0.0000 OK	S.007	72	0.2	0.006	0.000	3.4457		
								Infiltration		0.1					
2160 minute summer	72	1260	5.885	0.200	0.4	0.0320	0.0000 OK	S.008	73	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
2160 minute summer	73	1440	6.120	0.415	0.2	0.0665	0.0000 OK	S.009	74	0.1	0.013	0.000	2.2758		
2160 minute summer	74	1440	6.120	0.415	0.3	0.0665	0.0000 OK	S.010	75	0.1	0.018	0.000	2.5771		
								Infiltration		0.1					
2160 minute summer	75	1440	6.120	0.415	0.3	0.0665	0.0000 OK	S.011	76	0.1	0.006	0.000	2.7793		
								Infiltration		0.1					
2160 minute summer	76	1440	6.120	0.485	0.3	0.0738	0.0000 OK	S.012	76_OUT	0.1	0.001	0.000	2.9014		
								Infiltration		0.1					
2160 minute summer	76_OUT	1440	6.120	0.485	0.2	0.0777	0.0000 OK	Infiltration		0.1					

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Results for 100 year +30% 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 88.28%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	1	1080	9.813	0.313	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	0.000	0.000	0.4653	
2160 minute winter	2	1140	9.813	0.363	0.0	0.0000	0.0000	FLOOD RISK	1.001	3	0.0	0.001	0.002	1.1264	
2160 minute winter	3	1140	9.812	0.462	0.0	0.0000	0.0000	FLOOD RISK	1.002	4	0.0	-0.001	-0.001	0.4986	
2160 minute winter	4	1140	9.512	0.512	0.1	0.0000	0.0000	FLOOD RISK	1.003	5	0.1	0.002	0.003	0.8441	
2160 minute winter	5	1140	9.513	0.613	0.1	0.0000	0.0000	FLOOD RISK	1.004	6	0.1	0.002	0.002	0.1621	
2160 minute winter	6	1140	9.813	0.713	7.0	5.8750	0.0000	FLOOD RISK	1.005	7	7.0	0.447	0.145	0.7796	
2160 minute winter	7	1140	9.811	0.861	11.0	3.5090	0.0000	FLOOD RISK	1.006	8	11.0	0.445	0.157	2.4823	
2160 minute winter	8	1140	9.808	1.058	19.1	7.2642	0.0000	FLOOD RISK	1.007	9	19.1	0.445	0.177	5.9230	
2160 minute winter	9	1140	9.805	1.255	32.4	12.2653	0.0000	FLOOD RISK	1.008	10	32.4	0.429	0.137	3.1360	
2160 minute winter	10	1140	9.504	1.304	34.9	2.3124	0.0000	FLOOD RISK	1.009	11	34.9	0.413	0.238	47.8613	
2160 minute winter	11	1140	9.588	1.588	34.9	0.0000	0.0000	FLOOD RISK	1.010	12	34.9	0.178	0.121	53.3278	
2160 minute winter	12	300	7.750	1.000	34.9	0.0000	0.0000	FLOOD RISK	1.011	13	34.9	0.281	0.178	0.2567	
2160 minute winter	13	1140	9.557	0.057	34.9	0.0000	0.0000	OK	1.012	13_OUT	34.9	2.838	0.028	0.0737	
2160 minute winter	13_OUT	2220	7.995	0.462	34.9	0.0000	0.0000	OK	Flow through pond	49	100.3	0.007	0.000	4245.9614	
2160 minute winter	14	1140	9.591	0.291	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.0	0.001	0.001	0.8136	
2160 minute winter	15	1140	9.591	0.505	5.3	4.0027	0.0000	FLOOD RISK	2.001	16	5.3	0.402	0.109	0.9254	
2160 minute winter	16	1140	9.590	0.598	5.3	0.0000	0.0000	FLOOD RISK	2.002	17	5.3	0.406	0.108	0.6320	
2160 minute winter	17	1140	9.589	0.730	8.0	2.2650	0.0000	FLOOD RISK	2.003	18	8.0	0.414	0.102	1.8750	
2160 minute winter	18	1140	9.588	0.997	14.8	5.7056	0.0000	FLOOD RISK	2.004	19	14.8	0.441	0.116	5.4890	
2160 minute winter	19	1140	9.588	1.130	28.0	10.1926	0.0000	FLOOD RISK	2.005	20	28.0	0.439	0.132	4.0628	
2160 minute winter	20	1140	9.585	1.174	28.0	0.0000	0.0000	FLOOD RISK	2.006	21	28.0	0.615	0.131	3.4979	
2160 minute winter	21	1140	9.585	1.213	28.0	0.0000	0.0000	FLOOD RISK	2.007	22	28.0	0.632	0.044	3.7404	
2160 minute winter	22	1140	9.584	1.584	33.4	6.8812	0.0000	FLOOD RISK	2.008	23	33.4	0.171	0.115	53.3017	
2160 minute winter	23	300	7.750	1.000	33.4	0.0000	0.0000	FLOOD RISK	2.009	24	33.4	0.269	0.170	0.2564	
2160 minute winter	24	1140	9.556	0.056	33.4	0.0000	0.0000	OK	2.010	24_OUT	33.4	2.692	0.027	0.0714	
2160 minute winter	24_OUT	2160	7.999	0.465	33.4	0.0000	0.0000	OK	Flow through pond	49	100.3	0.007	0.000	4245.9614	
2160 minute winter	25	1080	8.815	0.019	0.6	0.0120	0.0000	OK	3.000	26	0.6	0.372	0.033	0.0575	
2160 minute winter	26	1080	8.460	0.025	1.2	0.0457	0.0000	OK	3.001	27	1.0	0.495	0.063	0.0804	
									Infiltration		0.2				
2160 minute winter	27	1080	8.141	0.026	1.6	0.0560	0.0000	OK	3.002	28	1.3	0.623	0.068	0.0780	
									Infiltration		0.3				
2160 minute winter	28	1080	7.723	0.028	1.9	0.0452	0.0000	OK	3.003	29	1.5	0.747	0.075	0.0846	
									Infiltration		0.2				
2160 minute winter	29	1080	7.095	0.030	2.4	0.0423	0.0000	OK	3.004	30	2.2	0.921	0.080	0.0164	
									Infiltration		0.1				
2160 minute winter	30	1080	6.847	0.022	2.3	0.0026	0.0000	OK	3.005	31	2.3	0.138	0.001	0.6330	
2160 minute winter	31	1140	6.785	0.090	2.4	0.0106	0.0000	OK	3.006	32	1.7	0.052	0.001	0.9950	
									Infiltration		0.7				

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2160 minute winter	32	1140	6.785	0.140	1.8	0.0168	0.0000	OK	3.007	33	0.2	0.004	0.000	0.6599
									Infiltration		0.8			
									Infiltration		0.9			
2160 minute winter	33	1200	6.785	0.010	0.3	0.0012	0.0000	OK	3.008	34	0.3	0.008	0.000	0.0570
2160 minute winter	34	1200	6.752	0.007	0.4	0.0008	0.0000	OK	3.009	35	0.3	0.006	0.000	0.0320
									Infiltration		0.1			
2160 minute winter	35	1200	6.681	0.006	0.4	0.0007	0.0000	OK	3.010	36	0.4	0.012	0.000	0.4757
									Infiltration		0.0			
2160 minute winter	36	1200	6.521	0.116	0.5	0.0132	0.0000	OK	3.011	37	0.5	0.000	0.000	0.0000
									Infiltration		0.5			
2160 minute winter	37	840	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.006	0.000	0.5365
2160 minute winter	38	1080	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.030	0.000	0.3865
									Infiltration		0.3			
									Infiltration		0.4			
2160 minute winter	39	840	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461
									Infiltration		0.0			
2160 minute winter	40	840	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0385
									Infiltration		0.0			
2160 minute winter	41	840	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324
									Infiltration		0.0			
2160 minute winter	42	840	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.064	0.000	0.0319
									Infiltration		0.0			
2160 minute winter	43	840	7.150	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251
									Infiltration		0.0			
2160 minute winter	44	840	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202
2160 minute winter	45	840	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0286
									Infiltration		0.0			
2160 minute winter	46	840	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357
									Infiltration		0.0			
2160 minute winter	47	840	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.058	0.000	0.1930
									Infiltration		0.0			
2160 minute winter	48	1440	6.840	0.045	0.4	0.0054	0.0000	OK	3.023	53	0.4	0.065	0.001	0.3752
									Infiltration		0.0			
2160 minute winter	49	2280	7.988	-0.012	116.8	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
2160 minute winter	50	50	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
2160 minute winter	51	50	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
2160 minute winter	52	80	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
2160 minute winter	53	1440	6.840	0.055	0.5	0.0065	0.0000	OK	3.024	54	0.5	0.112	0.000	1.2883
									Infiltration		0.1			
2160 minute winter	54	1440	6.840	0.215	0.5	0.0257	0.0000	OK	3.025	54_OUT	0.5	0.013	0.000	3.2329
									Infiltration		0.2			
2160 minute winter	54_OUT	1440	6.840	0.335	0.6	0.0401	0.0000	OK	Infiltration		0.3			

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2160 minute winter	55	1020	8.468	0.020	0.3	0.0070	0.0000	OK	5.000	56	0.3	0.207	0.041	0.0243
2160 minute winter	56	1020	8.437	0.021	0.6	0.0406	0.0000	OK	5.001	57	0.5	0.259	0.041	0.0808
									Infiltration		0.1			
2160 minute winter	57	1260	8.367	0.057	0.6	0.1074	0.0000	OK	5.002	58	0.7	0.238	0.093	0.3339
									Infiltration		0.1			
2160 minute winter	58	1260	8.367	0.122	1.0	0.7719	0.0000	OK	5.003	59	0.7	0.251	0.097	0.3652
									Infiltration		0.4			
2160 minute winter	59	1260	8.367	0.162	1.0	0.8675	0.0000	OK	5.004	60	0.6	0.041	0.001	3.9951
									Infiltration		0.3			
2160 minute winter	60	1260	8.367	0.182	0.9	0.9618	0.0000	OK	5.005	61	0.3	0.026	0.000	8.6415
									Infiltration		0.4			
2160 minute winter	61	1260	8.367	0.231	0.8	0.9784	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.8			
2160 minute winter	62	1080	8.143	0.007	0.3	0.0624	0.0000	OK	5.007	63	0.3	0.040	0.000	4.9085
2160 minute winter	63	1260	8.044	0.208	0.6	0.0706	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	4.4917
									Infiltration		0.5			
2160 minute winter	63_OUT	1260	8.044	0.278	0.4	0.0847	0.0000	OK	Infiltration		0.3			
2160 minute winter	64	1200	6.387	0.252	0.2	0.0324	0.0000	OK	6.000	65	0.1	0.024	0.000	1.7846
2160 minute winter	65	1200	6.387	0.262	0.3	0.0420	0.0000	OK	6.001	66	0.1	0.005	0.000	2.6106
									Infiltration		0.1			
2160 minute winter	66	1200	6.387	0.294	0.3	0.0466	0.0000	OK	6.002	67	-0.1	0.002	0.000	1.5402
									Infiltration		0.2			
2160 minute winter	67	1200	6.387	0.311	0.2	0.0482	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
2160 minute winter	68	1140	6.080	0.004	0.2	0.0057	0.0000	OK	6.004	69	0.2	0.009	0.000	3.0920
2160 minute winter	69	1200	6.044	0.279	0.4	0.0446	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
2160 minute winter	70	1200	5.844	0.089	0.2	0.0143	0.0000	OK	6.006	71	0.2	0.014	0.000	0.7234
2160 minute winter	71	1200	5.844	0.159	0.4	0.0255	0.0000	OK	6.007	72	0.1	0.006	0.000	2.5789
									Infiltration		0.1			
2160 minute winter	72	1200	5.844	0.159	0.3	0.0255	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
2160 minute winter	73	1560	6.086	0.351	0.2	0.0609	0.0000	OK	6.009	74	0.1	0.013	0.000	2.0052
2160 minute winter	74	1560	6.086	0.351	0.3	0.0609	0.0000	OK	6.010	75	0.1	0.019	0.000	2.2706
									Infiltration		0.1			
2160 minute winter	75	1560	6.086	0.381	0.3	0.0609	0.0000	OK	6.011	76	0.1	0.006	0.000	2.4706
									Infiltration		0.1			
2160 minute winter	76	1560	6.086	0.451	0.3	0.0685	0.0000	OK	6.012	76_OUT	0.1	0.001	0.000	2.5974
									Infiltration		0.1			
2160 minute winter	76_OUT	1560	6.086	0.451	0.2	0.0721	0.0000	OK	Infiltration		0.1			

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Results for 100 year +30% 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 98.18%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	1	1500	9.621	0.321	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.002	-0.002	0.4853	
2880 minute summer	2	1500	9.621	0.371	0.0	0.0000	0.0000	FLOOD RISK	1.001	3	0.0	0.001	0.002	1.1264	
2880 minute summer	3	1500	9.621	0.471	0.3	0.0000	0.0000	FLOOD RISK	1.002	4	-0.3	-0.065	-0.015	0.4986	
2880 minute summer	4	1500	9.622	0.522	0.9	0.0000	0.0000	FLOOD RISK	1.003	5	-0.9	-0.048	-0.036	0.8441	
2880 minute summer	5	1500	9.621	0.621	1.3	0.0000	0.0000	FLOOD RISK	1.004	6	-1.3	-0.043	-0.036	0.1621	
2880 minute summer	6	1500	9.621	0.721	7.4	5.9457	0.0000	FLOOD RISK	1.005	7	7.4	0.406	0.153	0.7796	
2880 minute summer	7	1500	9.619	0.859	11.7	3.5432	0.0000	FLOOD RISK	1.006	8	11.7	0.401	0.157	2.4923	
2880 minute summer	8	1500	9.616	1.086	20.3	7.3203	0.0000	FLOOD RISK	1.007	9	20.3	0.395	0.188	5.9230	
2880 minute summer	9	1500	9.613	1.283	34.4	12.2801	0.0000	FLOOD RISK	1.008	10	34.4	0.363	0.145	3.1360	
2880 minute summer	10	1500	9.612	1.312	37.1	2.3058	0.0000	FLOOD RISK	1.009	11	37.1	0.353	0.251	47.8613	
2880 minute summer	11	1500	9.593	1.593	37.1	0.0000	0.0000	FLOOD RISK	1.010	12	37.1	0.190	0.128	53.3278	
2880 minute summer	12	360	7.750	1.000	37.1	0.0000	0.0000	FLOOD RISK	1.011	13	37.1	0.297	0.169	0.2573	
2880 minute summer	13	1500	9.559	0.059	37.1	0.0000	0.0000	OK	1.012	13_OUT	37.1	2.891	0.030	0.0769	
2880 minute summer	13_OUT	2940	7.968	0.435	37.1	0.0000	0.0000	OK	Flow through pond	49	83.4	0.005	0.000	4001.6077	
2880 minute summer	14	1500	9.597	0.297	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.0	-0.001	-0.001	0.8136	
2880 minute summer	15	1500	9.597	0.511	5.7	4.0510	0.0000	FLOOD RISK	2.001	16	5.7	0.351	0.118	0.9254	
2880 minute summer	16	1500	9.596	0.605	5.7	0.0000	0.0000	FLOOD RISK	2.002	17	5.7	0.370	0.116	0.6320	
2880 minute summer	17	1500	9.595	0.736	8.6	2.2830	0.0000	FLOOD RISK	2.003	18	8.6	0.376	0.110	1.8750	
2880 minute summer	18	1500	9.594	0.813	15.6	5.7410	0.0000	FLOOD RISK	2.004	19	15.6	0.393	0.124	5.4890	
2880 minute summer	19	1500	9.592	1.136	27.7	10.2411	0.0000	FLOOD RISK	2.005	20	27.7	0.360	0.140	4.0628	
2880 minute summer	20	1500	9.591	1.180	27.7	0.0000	0.0000	FLOOD RISK	2.006	21	27.7	0.532	0.140	3.4979	
2880 minute summer	21	1500	9.590	1.218	27.7	0.0000	0.0000	FLOOD RISK	2.007	22	27.7	0.545	0.046	3.7404	
2880 minute summer	22	1500	9.589	1.589	35.5	6.8034	0.0000	FLOOD RISK	2.008	23	35.5	0.182	0.123	53.3017	
2880 minute summer	23	360	7.750	1.000	35.5	0.0000	0.0000	FLOOD RISK	2.009	24	35.5	0.285	0.181	0.2571	
2880 minute summer	24	1500	9.558	0.058	35.5	0.0000	0.0000	OK	2.010	24_OUT	35.5	2.853	0.029	0.0745	
2880 minute summer	24_OUT	2940	7.968	0.435	35.5	0.0000	0.0000	OK	Flow through pond	49	83.4	0.005	0.000	4001.6077	
2880 minute summer	25	1500	8.815	0.019	0.8	0.0120	0.0000	OK	3.000	26	0.8	0.372	0.033	0.0575	
2880 minute summer	26	1500	8.466	0.625	1.2	0.0457	0.0000	OK	3.001	27	1.0	0.495	0.063	0.0804	
									Infiltration		0.2				
2880 minute summer	27	1500	8.141	0.026	1.6	0.0560	0.0000	OK	3.002	28	1.3	0.623	0.066	0.0700	
									Infiltration		0.3				
2880 minute summer	28	1500	7.723	0.028	1.9	0.0452	0.0000	OK	3.003	29	1.5	0.747	0.075	0.0848	
									Infiltration		0.2				
2880 minute summer	29	1500	7.095	0.030	2.4	0.0423	0.0000	OK	3.004	30	2.2	0.921	0.080	0.0164	
									Infiltration		0.1				
2880 minute summer	30	1500	6.847	0.022	2.3	0.0026	0.0000	OK	3.005	31	2.3	0.128	0.001	0.6330	
2880 minute summer	31	1500	6.785	0.090	2.4	0.0108	0.0000	OK	3.006	32	1.7	0.052	0.001	0.9950	
									Infiltration		0.7				
2880 minute summer	32	1500	6.785	0.140	1.8	0.0168	0.0000	OK	3.007	33	0.2	0.004	0.000	0.6539	

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									Infiltration		0.5				
									Infiltration		0.5				
2880 minute summer	33	1500	6.785	0.010	0.3	0.0012	0.0000	OK	3.008	34	0.3	0.058	0.000	0.0569	
2880 minute summer	34	1500	6.752	0.007	0.4	0.0008	0.0000	OK	3.009	35	0.3	0.096	0.000	0.0320	
									Infiltration		0.1				
2880 minute summer	35	1500	6.681	0.006	0.4	0.0007	0.0000	OK	3.010	36	0.4	0.012	0.000	0.4870	
									Infiltration		0.0				
2880 minute summer	36	1500	6.619	0.114	0.5	0.0130	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.5				
2880 minute summer	37	1260	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.006	0.000	0.5365	
2880 minute summer	38	1500	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.030	0.000	0.3805	
									Infiltration		0.3				
									Infiltration		0.4				
2880 minute summer	39	1260	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461	
									Infiltration		0.0				
2880 minute summer	40	1260	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0388	
									Infiltration		0.0				
2880 minute summer	41	1260	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324	
									Infiltration		0.0				
2880 minute summer	42	1260	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.084	0.000	0.0319	
									Infiltration		0.0				
2880 minute summer	43	1260	7.156	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251	
									Infiltration		0.0				
2880 minute summer	44	1260	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202	
2880 minute summer	45	1260	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0286	
									Infiltration		0.0				
2880 minute summer	46	1260	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0367	
									Infiltration		0.0				
2880 minute summer	47	1260	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.058	0.000	0.1843	
									Infiltration		0.0				
2880 minute summer	48	1740	6.838	0.043	0.4	0.0051	0.0000	OK	3.023	50	0.4	0.065	0.001	0.3580	
									Infiltration		0.0				
2880 minute summer	49	3000	7.961	-0.639	98.0	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
2880 minute summer	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
2880 minute summer	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
2880 minute summer	52	60	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
2880 minute summer	53	1740	6.837	0.052	0.5	0.0063	0.0000	OK	3.024	54	0.5	0.112	0.000	1.2655	
									Infiltration		0.1				
2880 minute summer	54	1740	6.837	0.212	0.8	0.0255	0.0000	OK	3.025	54_OUT	0.5	0.013	0.000	3.1999	
									Infiltration		0.2				
2880 minute summer	54_OUT	1740	6.837	0.332	0.6	0.0399	0.0000	OK	Infiltration		0.3				
2880 minute summer	55	1440	8.466	0.020	0.3	0.0070	0.0000	OK	5.000	56	0.3	0.207	0.041	0.0243	
2880 minute summer	56	1440	8.437	0.021	0.6	0.0406	0.0000	OK	5.001	57	0.5	0.259	0.041	0.0517	

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								Infiltration		0.1				
2880 minute summer	57	1560	8.348	0.038	0.8	0.0510	0.0000 OK	5.002	58	0.7	0.238	0.083	0.2488	
								Infiltration		0.1				
2880 minute summer	58	1560	8.346	0.101	1.0	0.5964	0.0000 OK	5.003	59	0.7	0.251	0.097	0.3300	
								Infiltration		0.4				
2880 minute summer	59	1620	8.346	0.141	1.0	0.7518	0.0000 OK	5.004	60	0.6	0.041	0.001	3.3995	
								Infiltration		0.3				
2880 minute summer	60	1620	8.346	0.161	0.9	0.0546	0.0000 OK	5.005	61	0.3	0.026	0.000	5.7945	
								Infiltration		0.4				
2880 minute summer	61	1620	8.346	0.210	0.8	0.0713	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000	
								Infiltration		0.5				
2880 minute summer	62	1500	8.143	0.007	0.3	0.0024	0.0000 OK	5.007	63	0.3	0.040	0.000	4.3242	
2880 minute summer	63	1620	8.024	0.188	0.6	0.0641	0.0000 OK	5.008	63_OUT	0.1	0.014	0.000	4.0332	
								Infiltration		0.4				
2880 minute summer	63_OUT	1620	8.024	0.259	0.4	0.0882	0.0000 OK	Infiltration		0.3				
2880 minute summer	64	1800	6.374	0.189	0.2	0.0303	0.0000 OK	6.000	65	0.1	0.024	0.000	1.6571	
2880 minute summer	65	1800	6.374	0.249	0.3	0.0399	0.0000 OK	6.001	66	0.1	0.005	0.000	2.4493	
								Infiltration		0.1				
2880 minute summer	66	1800	6.374	0.281	0.3	0.0445	0.0000 OK	6.002	67	-0.1	0.001	0.000	1.4542	
								Infiltration		0.2				
2880 minute summer	67	1800	6.374	0.298	0.2	0.0483	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000	
								Infiltration		0.1				
2880 minute summer	68	1500	6.080	0.004	0.2	0.0007	0.0000 OK	6.004	69	0.2	0.009	0.000	2.9808	
2880 minute summer	69	1560	6.036	0.271	0.4	0.0434	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000	
								Infiltration		0.3				
2880 minute summer	70	1560	5.839	0.084	0.2	0.0134	0.0000 OK	6.006	71	0.2	0.014	0.000	0.6885	
2880 minute summer	71	1560	5.839	0.154	0.4	0.0246	0.0000 OK	6.007	72	0.1	0.006	0.000	2.4767	
								Infiltration		0.1				
2880 minute summer	72	1560	5.839	0.154	0.3	0.0246	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000	
								Infiltration		0.3				
2880 minute summer	73	1800	6.059	0.354	0.2	0.0567	0.0000 OK	6.009	74	0.1	0.013	0.000	1.8109	
2880 minute summer	74	1800	6.059	0.354	0.3	0.0567	0.0000 OK	6.010	75	0.1	0.018	0.000	2.0505	
								Infiltration		0.1				
2880 minute summer	75	1800	6.059	0.354	0.3	0.0567	0.0000 OK	6.011	76	0.1	0.006	0.000	2.2485	
								Infiltration		0.1				
2880 minute summer	76	1800	6.059	0.424	0.3	0.0645	0.0000 OK	6.012	76_OUT	0.1	0.001	0.000	2.3781	
								Infiltration		0.1				
2880 minute summer	76_OUT	1800	6.059	0.424	0.2	0.0679	0.0000 OK	Infiltration		0.1				

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Results for 100 year +30% 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 88.38%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	1	1500	9.587	0.287	0.3	0.0000	0.0000	FLOOD RISK	1.000	2	-0.3	-0.026	-0.013	0.4653	
2880 minute winter	2	1500	9.587	0.337	1.1	0.0000	0.0000	FLOOD RISK	1.001	3	-1.1	-0.044	-0.056	1.1264	
2880 minute winter	3	1440	9.587	0.437	1.4	0.0000	0.0000	FLOOD RISK	1.002	4	-1.4	-0.046	-0.068	0.4986	
2880 minute winter	4	1440	9.587	0.487	1.6	0.0000	0.0000	FLOOD RISK	1.003	5	-1.6	-0.050	-0.068	0.8441	
2880 minute winter	5	1500	9.587	0.587	1.7	0.0000	0.0000	FLOOD RISK	1.004	6	-1.7	-0.055	-0.048	0.1621	
2880 minute winter	6	1500	9.587	0.687	5.6	5.8649	0.0000	FLOOD RISK	1.005	7	5.6	0.417	0.116	0.7796	
2880 minute winter	7	1500	9.586	0.836	8.8	3.4078	0.0000	FLOOD RISK	1.006	8	8.8	0.410	0.125	2.4823	
2880 minute winter	8	1440	9.584	1.034	15.3	7.1604	0.0000	FLOOD RISK	1.007	9	15.3	0.413	0.142	5.9230	
2880 minute winter	9	1500	9.582	1.232	25.9	11.9838	0.0000	FLOOD RISK	1.008	10	25.9	0.402	0.109	3.1360	
2880 minute winter	10	1500	9.582	1.282	27.9	2.2727	0.0000	FLOOD RISK	1.009	11	27.9	0.386	0.189	47.8613	
2880 minute winter	11	1500	9.571	1.571	27.9	0.0000	0.0000	FLOOD RISK	1.010	12	27.9	0.184	0.097	53.3278	
2880 minute winter	12	360	7.750	1.000	27.9	0.0000	0.0000	FLOOD RISK	1.011	13	27.9	0.227	0.142	0.2545	
2880 minute winter	13	1500	9.551	0.051	27.9	0.0000	0.0000	OK	1.012	13_OUT	27.9	2.652	0.023	0.0830	
2880 minute winter	13_OUT	2820	8.019	0.486	27.9	0.0000	0.0000	OK	Flow through pond	49	101.4	0.007	0.000	4532.6372	
2880 minute winter	14	1500	9.573	0.273	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.0	-0.001	-0.001	0.8136	
2880 minute winter	15	1500	9.573	0.487	4.3	3.8626	0.0000	FLOOD RISK	2.001	16	4.3	0.377	0.089	0.9254	
2880 minute winter	16	1500	9.572	0.581	4.3	0.0000	0.0000	FLOOD RISK	2.002	17	4.3	0.361	0.087	0.6320	
2880 minute winter	17	1500	9.572	0.713	6.5	2.2123	0.0000	FLOOD RISK	2.003	18	6.5	0.393	0.083	1.8750	
2880 minute winter	18	1500	9.571	0.890	11.8	5.6008	0.0000	FLOOD RISK	2.004	19	11.8	0.416	0.094	5.4890	
2880 minute winter	19	1500	9.570	1.114	20.9	10.0477	0.0000	FLOOD RISK	2.005	20	20.9	0.407	0.108	4.0628	
2880 minute winter	20	1500	9.570	1.159	20.9	0.0000	0.0000	FLOOD RISK	2.006	21	20.9	0.569	0.108	3.4979	
2880 minute winter	21	1500	9.569	1.197	20.9	0.0000	0.0000	FLOOD RISK	2.007	22	20.9	0.589	0.035	3.7404	
2880 minute winter	22	1500	9.569	1.569	26.8	6.8148	0.0000	FLOOD RISK	2.008	23	26.8	0.137	0.093	53.3017	
2880 minute winter	23	300	7.750	1.000	26.8	0.0000	0.0000	FLOOD RISK	2.009	24	26.8	0.218	0.136	0.2543	
2880 minute winter	24	1500	9.550	0.050	26.8	0.0000	0.0000	OK	2.010	24_OUT	26.8	2.621	0.022	0.0812	
2880 minute winter	24_OUT	2760	8.021	0.488	26.8	0.0000	0.0000	OK	Flow through pond	49	101.4	0.007	0.000	4532.6372	
2880 minute winter	25	1440	8.813	0.017	0.5	0.0110	0.0000	OK	3.000	26	0.5	0.355	0.028	0.0502	
2880 minute winter	26	1440	8.458	0.023	1.0	0.0391	0.0000	OK	3.001	27	0.8	0.489	0.051	0.0895	
									Infiltration		0.2				
2880 minute winter	27	1440	8.139	0.024	1.3	0.0471	0.0000	OK	3.002	28	1.1	0.585	0.053	0.0802	
									Infiltration		0.2				
2880 minute winter	28	1440	7.720	0.025	1.6	0.0364	0.0000	OK	3.003	29	1.4	0.703	0.060	0.0728	
									Infiltration		0.2				
2880 minute winter	29	1440	7.092	0.027	1.9	0.0360	0.0000	OK	3.004	30	1.8	0.867	0.065	0.0141	
									Infiltration		0.1				
2880 minute winter	30	1440	6.844	0.019	1.9	0.0023	0.0000	OK	3.005	31	1.8	0.128	0.001	0.5478	
2880 minute winter	31	1560	6.774	0.079	2.0	0.0085	0.0000	OK	3.006	32	1.4	0.052	0.001	0.8850	
									Infiltration		0.6				

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2880 minute winter	32	1560	6.774	0.129	1.6	0.0155	0.0000	OK	3.007	33	-0.1	-0.004	0.000	0.5736
									Infiltration		0.7			
									Infiltration		0.9			
2880 minute winter	33	1140	6.777	0.002	0.1	0.0003	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0184
2880 minute winter	34	1140	6.748	0.003	0.1	0.0004	0.0000	OK	3.009	35	0.1	0.055	0.000	0.0171
									Infiltration		0.0			
2880 minute winter	35	1140	6.679	0.004	0.2	0.0004	0.0000	OK	3.010	36	0.2	0.012	0.000	0.2791
									Infiltration		0.0			
2880 minute winter	36	1380	6.578	0.073	0.3	0.0083	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
2880 minute winter	37	1140	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.006	0.000	0.5365
2880 minute winter	38	1380	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.030	0.000	0.3865
									Infiltration		0.3			
									Infiltration		0.4			
2880 minute winter	39	1140	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461
									Infiltration		0.0			
2880 minute winter	40	1140	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0385
									Infiltration		0.0			
2880 minute winter	41	1140	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324
									Infiltration		0.0			
2880 minute winter	42	1140	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.064	0.000	0.0319
									Infiltration		0.0			
2880 minute winter	43	1140	7.150	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251
									Infiltration		0.0			
2880 minute winter	44	1140	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202
2880 minute winter	45	1140	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0288
									Infiltration		0.0			
2880 minute winter	46	1140	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357
									Infiltration		0.0			
2880 minute winter	47	1140	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.058	0.000	0.1985
									Infiltration		0.0			
2880 minute winter	48	1860	6.841	0.046	0.4	0.0055	0.0000	OK	3.023	53	0.4	0.055	0.001	0.3860
									Infiltration		0.0			
2880 minute winter	49	3120	8.019	0.019	116.5	0.2723	0.0000	OK	Orifice	50	0.2			
									Infiltration		0.0			
2880 minute winter	50	3120	7.409	0.009	0.2	0.0000	0.0000	OK	4.001	51	0.1	0.379	0.007	0.0027
2880 minute winter	51	2940	7.308	0.008	0.1	0.0000	0.0000	OK	4.002	52	0.2	0.411	0.005	0.0014
2880 minute winter	52	2940	7.208	0.008	0.2	0.0000	0.0000	OK	4.003	53	0.2	0.398	0.005	0.0009
2880 minute winter	53	1860	6.841	0.056	0.5	0.0067	0.0000	OK	3.024	54	0.5	0.112	0.000	1.3025
									Infiltration		0.1			
2880 minute winter	54	1860	6.841	0.216	0.5	0.0259	0.0000	OK	3.025	54_OUT	0.5	0.013	0.000	3.2535
									Infiltration		0.2			
2880 minute winter	54_OUT	1860	6.841	0.336	0.6	0.0403	0.0000	OK	Infiltration		0.3			

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2880 minute winter	55	1500	8.468	0.020	0.3	0.0070	0.0000	OK	5.000	56	0.3	0.207	0.041	0.0243
2880 minute winter	56	1500	8.437	0.021	0.6	0.0406	0.0000	OK	5.001	57	0.5	0.259	0.041	0.0427
									Infiltration		0.1			
2880 minute winter	57	1500	8.341	0.031	0.6	0.0351	0.0000	OK	5.002	58	0.7	0.238	0.093	0.1775
									Infiltration		0.1			
2880 minute winter	58	1560	8.325	0.080	1.0	0.4185	0.0000	OK	5.003	59	0.7	0.251	0.088	0.2727
									Infiltration		0.4			
2880 minute winter	59	1560	8.325	0.120	1.0	0.6221	0.0000	OK	5.004	60	0.5	0.041	0.001	2.8308
									Infiltration		0.3			
2880 minute winter	60	1560	8.325	0.140	0.8	0.0475	0.0000	OK	5.005	61	0.3	0.026	0.000	4.9818
									Infiltration		0.3			
2880 minute winter	61	1560	8.325	0.159	0.8	0.0641	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.5			
2880 minute winter	62	1500	8.143	0.007	0.3	0.0024	0.0000	OK	5.007	63	0.3	0.040	0.000	3.8773
2880 minute winter	63	1560	8.009	0.173	0.8	0.0587	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	3.8869
									Infiltration		0.4			
2880 minute winter	63_OUT	1560	8.009	0.244	0.4	0.0828	0.0000	OK	Infiltration		0.3			
2880 minute winter	64	1980	6.351	0.156	0.1	0.0266	0.0000	OK	6.000	65	0.1	0.024	0.000	1.4352
2880 minute winter	65	1980	6.351	0.226	0.2	0.0362	0.0000	OK	6.001	66	0.1	0.005	0.000	2.1678
									Infiltration		0.1			
2880 minute winter	66	1980	6.351	0.258	0.2	0.0406	0.0000	OK	6.002	67	0.0	0.002	0.000	1.2984
									Infiltration		0.2			
2880 minute winter	67	1980	6.351	0.275	0.1	0.0427	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
2880 minute winter	68	1020	6.079	0.003	0.1	0.0004	0.0000	OK	6.004	69	0.1	0.009	0.000	2.1932
2880 minute winter	69	1950	5.980	0.215	0.2	0.0344	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
2880 minute winter	70	1980	5.792	0.037	0.1	0.0060	0.0000	OK	6.006	71	0.1	0.014	0.000	0.3923
2880 minute winter	71	1980	5.792	0.107	0.2	0.0172	0.0000	OK	6.007	72	0.1	0.006	0.000	1.6044
									Infiltration		0.1			
2880 minute winter	72	1980	5.792	0.107	0.2	0.0172	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
2880 minute winter	73	1980	6.046	0.341	0.1	0.0548	0.0000	OK	6.009	74	0.1	0.013	0.000	1.7188
2880 minute winter	74	1980	6.046	0.341	0.2	0.0548	0.0000	OK	6.010	75	0.1	0.019	0.000	1.9463
									Infiltration		0.1			
2880 minute winter	75	1950	6.048	0.341	0.2	0.0548	0.0000	OK	6.011	76	0.1	0.006	0.000	2.1431
									Infiltration		0.1			
2880 minute winter	76	1980	6.046	0.411	0.2	0.0625	0.0000	OK	6.012	76_OUT	0.1	0.001	0.000	2.2739
									Infiltration		0.1			
2880 minute winter	76_OUT	1980	6.046	0.411	0.2	0.0658	0.0000	OK	Infiltration		0.1			

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Results for 100 year +30% 4320 minute summer, 4560 minute analysis at 60 minute timestep. Mass balance: 98.33%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	1	2220	9.587	0.287	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	0.001	0.002	0.4852	
4320 minute summer	2	2220	9.587	0.337	0.0	0.0000	0.0000	FLOOD RISK	1.001	3	0.1	0.002	0.003	1.1264	
4320 minute summer	3	2160	9.587	0.437	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.026	-0.024	0.4986	
4320 minute summer	4	2160	9.587	0.487	0.9	0.0000	0.0000	FLOOD RISK	1.003	5	-0.9	-0.030	-0.036	0.8441	
4320 minute summer	5	2220	9.587	0.587	1.0	0.0000	0.0000	FLOOD RISK	1.004	6	-1.0	-0.033	-0.028	0.1621	
4320 minute summer	6	2220	9.587	0.687	5.6	5.6651	0.0000	FLOOD RISK	1.005	7	5.6	0.367	0.116	0.7796	
4320 minute summer	7	2220	9.586	0.836	8.8	3.4077	0.0000	FLOOD RISK	1.006	8	8.8	0.365	0.125	2.4923	
4320 minute summer	8	2220	9.584	1.034	15.3	7.1001	0.0000	FLOOD RISK	1.007	9	15.3	0.362	0.142	5.9230	
4320 minute summer	9	2220	9.582	1.232	25.9	11.9840	0.0000	FLOOD RISK	1.008	10	25.9	0.341	0.109	3.1360	
4320 minute summer	10	2220	9.582	1.282	27.9	2.2727	0.0000	FLOOD RISK	1.009	11	27.8	0.314	0.189	47.8613	
4320 minute summer	11	2220	9.571	1.571	27.9	0.0000	0.0000	FLOOD RISK	1.010	12	27.8	0.143	0.097	53.3278	
4320 minute summer	12	420	7.750	1.000	27.9	0.0000	0.0000	FLOOD RISK	1.011	13	27.9	0.227	0.142	0.2545	
4320 minute summer	13	2220	9.551	0.651	27.9	0.0000	0.0000	OK	1.012	13_OUT	27.9	2.652	0.023	0.0630	
4320 minute summer	13_OUT	4360	8.019	0.485	27.9	0.0000	0.0000	OK	Flow through pond	49	52.8	0.003	0.000	4460.2402	
4320 minute summer	14	2160	9.574	0.274	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.003	-0.003	0.8136	
4320 minute summer	15	2220	9.574	0.488	4.3	3.8844	0.0000	FLOOD RISK	2.001	16	4.3	0.325	0.089	0.9254	
4320 minute summer	16	2220	9.573	0.582	4.3	0.0000	0.0000	FLOOD RISK	2.002	17	4.3	0.343	0.087	0.6320	
4320 minute summer	17	2220	9.572	0.713	6.5	2.2130	0.0000	FLOOD RISK	2.003	18	6.5	0.342	0.083	1.8750	
4320 minute summer	18	2220	9.572	0.891	11.8	5.6023	0.0000	FLOOD RISK	2.004	19	11.8	0.357	0.094	5.4890	
4320 minute summer	19	2220	9.570	1.114	21.0	10.0498	0.0000	FLOOD RISK	2.005	20	21.0	0.342	0.106	4.0628	
4320 minute summer	20	2220	9.570	1.159	21.0	0.0000	0.0000	FLOOD RISK	2.006	21	21.0	0.475	0.106	3.4979	
4320 minute summer	21	2220	9.569	1.197	21.0	0.0000	0.0000	FLOOD RISK	2.007	22	21.0	0.483	0.035	3.7404	
4320 minute summer	22	2220	9.568	1.586	26.9	6.8158	0.0000	FLOOD RISK	2.008	23	26.9	0.138	0.093	53.3017	
4320 minute summer	23	420	7.750	1.000	26.9	0.0000	0.0000	FLOOD RISK	2.009	24	26.9	0.219	0.137	0.2544	
4320 minute summer	24	2220	9.550	0.650	26.9	0.0000	0.0000	OK	2.010	24_OUT	26.9	2.623	0.022	0.0614	
4320 minute summer	24_OUT	4360	8.019	0.485	26.9	0.0000	0.0000	OK	Flow through pond	49	52.8	0.003	0.000	4460.2402	
4320 minute summer	25	2220	8.813	0.017	0.5	0.0110	0.0000	OK	3.000	26	0.5	0.358	0.028	0.0502	
4320 minute summer	26	2220	8.458	0.623	1.0	0.0091	0.0000	OK	3.001	27	0.8	0.469	0.051	0.0695	
									Infiltration		0.2				
4320 minute summer	27	2220	8.139	0.624	1.3	0.0471	0.0000	OK	3.002	28	1.1	0.585	0.053	0.0802	
									Infiltration		0.2				
4320 minute summer	28	2220	7.720	0.625	1.6	0.0384	0.0000	OK	3.003	29	1.4	0.703	0.060	0.0726	
									Infiltration		0.2				
4320 minute summer	29	2220	7.092	0.027	1.8	0.0360	0.0000	OK	3.004	30	1.8	0.857	0.065	0.0141	
									Infiltration		0.1				
4320 minute summer	30	2220	6.844	0.019	1.9	0.0023	0.0000	OK	3.005	31	1.9	0.136	0.001	0.5445	
4320 minute summer	31	2220	6.774	0.079	2.0	0.0094	0.0000	OK	3.006	32	1.4	0.052	0.001	0.8799	
									Infiltration		0.6				
4320 minute summer	32	2220	6.774	0.129	1.6	0.0154	0.0000	OK	3.007	33	-0.1	-0.003	0.000	0.5709	

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									Infiltration		0.7				
									Infiltration		0.8				
4320 minute summer	33	1980	6.777	0.002	0.1	0.0003	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0184	
4320 minute summer	34	1980	6.748	0.003	0.1	0.0004	0.0000	OK	3.009	35	0.1	0.055	0.000	0.0171	
									Infiltration		0.0				
4320 minute summer	35	1980	6.679	0.004	0.2	0.0004	0.0000	OK	3.010	36	0.2	0.012	0.000	0.2791	
									Infiltration		0.0				
4320 minute summer	36	2220	6.578	0.073	0.3	0.0083	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.3				
4320 minute summer	37	1980	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.066	0.000	0.5365	
4320 minute summer	38	2220	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.030	0.000	0.3805	
									Infiltration		0.3				
									Infiltration		0.4				
4320 minute summer	39	1980	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461	
									Infiltration		0.0				
4320 minute summer	40	1980	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0388	
									Infiltration		0.0				
4320 minute summer	41	1980	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324	
									Infiltration		0.0				
4320 minute summer	42	1980	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.084	0.000	0.0319	
									Infiltration		0.0				
4320 minute summer	43	1980	7.156	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251	
									Infiltration		0.0				
4320 minute summer	44	1980	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202	
4320 minute summer	45	1980	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0286	
									Infiltration		0.0				
4320 minute summer	46	1980	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0367	
									Infiltration		0.0				
4320 minute summer	47	1980	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.058	0.000	0.1843	
									Infiltration		0.0				
4320 minute summer	48	2460	6.838	0.043	0.4	0.0051	0.0000	OK	3.023	50	0.4	0.065	0.001	0.3580	
									Infiltration		0.0				
4320 minute summer	49	4560	8.011	0.011	55.1	0.1560	0.0000	OK	Orifice	50	0.1				
									Infiltration		0.8				
4320 minute summer	50	4560	7.406	0.006	0.1	0.0000	0.0000	OK	4.001	51	0.1	0.298	0.003	0.0015	
4320 minute summer	51	4440	7.305	0.005	0.1	0.0000	0.0000	OK	4.002	52	0.1	0.323	0.002	0.0008	
4320 minute summer	52	4440	7.206	0.006	0.1	0.0000	0.0000	OK	4.003	53	0.1	0.314	0.003	0.0005	
4320 minute summer	53	2460	6.837	0.052	0.5	0.0053	0.0000	OK	3.024	54	0.5	0.112	0.000	1.2655	
									Infiltration		0.1				
4320 minute summer	54	2460	6.837	0.212	0.8	0.0255	0.0000	OK	3.025	54_OUT	0.5	0.013	0.000	3.1999	
									Infiltration		0.2				
4320 minute summer	54_OUT	2460	6.837	0.332	0.6	0.0399	0.0000	OK	Infiltration		0.3				
4320 minute summer	55	2220	8.466	0.020	0.3	0.0070	0.0000	OK	5.000	56	0.3	0.207	0.041	0.0243	
4320 minute summer	56	2220	8.437	0.021	0.6	0.0406	0.0000	OK	5.001	57	0.5	0.259	0.041	0.0427	

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								Infiltration		0.1				
4320 minute summer	57	2220	8.341	0.031	0.8	0.0361	0.0000OK	5.002	58	0.7	0.238	0.093	0.1583	
								Infiltration		0.1				
4320 minute summer	58	2280	8.321	0.076	1.0	0.3856	0.0000OK	5.003	59	0.7	0.251	0.093	0.2807	
								Infiltration		0.4				
4320 minute summer	59	2280	8.321	0.116	1.0	0.5985	0.0000OK	5.004	60	0.5	0.041	0.001	2.7269	
								Infiltration		0.3				
4320 minute summer	60	2280	8.321	0.136	0.8	0.0481	0.0000OK	5.005	61	0.3	0.026	0.000	4.8333	
								Infiltration		0.3				
4320 minute summer	61	2280	8.321	0.185	0.8	0.0628	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000	
								Infiltration		0.5				
4320 minute summer	62	2220	8.143	0.007	0.3	0.0024	0.0000OK	5.007	63	0.3	0.040	0.000	3.6988	
4320 minute summer	63	2280	8.002	0.186	0.6	0.0564	0.0000OK	5.008	63_OUT	0.1	0.014	0.000	3.5203	
								Infiltration		0.4				
4320 minute summer	63_OUT	2280	8.002	0.237	0.4	0.0806	0.0000OK	Infiltration		0.3				
4320 minute summer	64	2580	6.335	0.150	0.1	0.0240	0.0000OK	6.000	65	0.1	0.024	0.000	1.2879	
4320 minute summer	65	2580	6.335	0.216	0.2	0.0336	0.0000OK	6.001	66	0.1	0.005	0.000	1.9798	
								Infiltration		0.1				
4320 minute summer	66	2580	6.335	0.242	0.2	0.0383	0.0000OK	6.002	67	0.0	0.001	0.000	1.1944	
								Infiltration		0.2				
4320 minute summer	67	2580	6.335	0.259	0.1	0.0402	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000	
								Infiltration		0.1				
4320 minute summer	68	1860	6.079	0.060	0.1	0.0004	0.0000OK	6.004	69	0.1	0.009	0.000	2.1564	
4320 minute summer	69	2580	5.978	0.213	0.2	0.0341	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000	
								Infiltration		0.2				
4320 minute summer	70	2580	5.788	0.033	0.1	0.0053	0.0000OK	6.006	71	0.1	0.014	0.000	0.3688	
4320 minute summer	71	2580	5.788	0.103	0.2	0.0165	0.0000OK	6.007	72	0.1	0.006	0.000	1.5348	
								Infiltration		0.1				
4320 minute summer	72	2580	5.788	0.103	0.2	0.0165	0.0000OK	6.008	73	0.0	0.000	0.000	0.0000	
								Infiltration		0.2				
4320 minute summer	73	2580	6.016	0.311	0.1	0.0497	0.0000OK	6.009	74	0.1	0.013	0.000	1.5076	
4320 minute summer	74	2580	6.016	0.311	0.2	0.0497	0.0000OK	6.010	75	0.1	0.018	0.000	1.7072	
								Infiltration		0.1				
4320 minute summer	75	2580	6.016	0.311	0.2	0.0497	0.0000OK	6.011	76	0.1	0.006	0.000	1.9008	
								Infiltration		0.1				
4320 minute summer	76	2580	6.016	0.361	0.2	0.0579	0.0000OK	6.012	76_OUT	0.1	0.001	0.000	2.0339	
								Infiltration		0.1				
4320 minute summer	76_OUT	2580	6.016	0.361	0.2	0.0609	0.0000OK	Infiltration		0.1				

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Results for 100 year +30% 4320 minute winter. 4560 minute analysis at 60 minute timestep. Mass balance: 88.48%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	1	2160	9.564	0.264	0.2	0.0000	0.0000	FLOOD RISK	1.000	2	-0.2	-0.095	-0.007	0.4653	
4320 minute winter	2	2220	9.565	0.315	0.3	0.0000	0.0000	FLOOD RISK	1.001	3	-0.3	-0.009	-0.014	1.1264	
4320 minute winter	3	2220	9.565	0.415	0.4	0.0000	0.0000	FLOOD RISK	1.002	4	-0.4	-0.013	-0.019	0.4986	
4320 minute winter	4	2160	9.565	0.465	0.5	0.0000	0.0000	FLOOD RISK	1.003	5	-0.5	-0.034	-0.024	0.8441	
4320 minute winter	5	2160	9.565	0.565	0.9	0.0000	0.0000	FLOOD RISK	1.004	6	-0.9	-0.031	-0.024	0.1621	
4320 minute winter	6	2220	9.565	0.665	4.1	5.4785	0.0000	FLOOD RISK	1.005	7	4.1	0.378	0.085	0.7796	
4320 minute winter	7	2220	9.564	0.814	6.5	3.3178	0.0000	FLOOD RISK	1.006	8	6.5	0.373	0.093	2.4823	
4320 minute winter	8	2160	9.563	1.013	11.3	6.9538	0.0000	FLOOD RISK	1.007	9	11.3	0.379	0.104	5.9230	
4320 minute winter	9	2160	9.562	1.212	19.2	11.7852	0.0000	FLOOD RISK	1.008	10	19.2	0.359	0.081	3.1360	
4320 minute winter	10	2160	9.562	1.262	20.7	2.2369	0.0000	FLOOD RISK	1.009	11	20.7	0.349	0.140	47.8613	
4320 minute winter	11	2160	9.556	1.556	20.7	0.0000	0.0000	FLOOD RISK	1.010	12	20.7	0.219	0.072	53.3278	
4320 minute winter	12	420	7.750	1.000	20.7	0.0000	0.0000	FLOOD RISK	1.011	13	20.7	0.171	0.105	0.2520	
4320 minute winter	13	2220	9.545	0.045	20.7	0.0000	0.0000	OK	1.012	13_OUT	20.7	2.429	0.017	0.0511	
4320 minute winter	13_OUT	4260	8.078	0.544	20.7	0.0000	0.0000	OK	Flow through pond	49	82.8	0.005	0.000	5006.3418	
4320 minute winter	14	2160	9.558	0.258	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.006	-0.008	0.8136	
4320 minute winter	15	2220	9.558	0.470	3.2	3.7292	0.0000	FLOOD RISK	2.001	16	3.2	0.343	0.068	0.9254	
4320 minute winter	16	2220	9.558	0.565	3.2	0.0000	0.0000	FLOOD RISK	2.002	17	3.2	0.357	0.065	0.6320	
4320 minute winter	17	2220	9.556	0.697	4.8	2.1619	0.0000	FLOOD RISK	2.003	18	4.8	0.387	0.061	1.8750	
4320 minute winter	18	2160	9.555	0.874	6.7	5.5006	0.0000	FLOOD RISK	2.004	19	6.7	0.388	0.069	5.4890	
4320 minute winter	19	2160	9.555	1.099	15.4	9.9086	0.0000	FLOOD RISK	2.005	20	15.4	0.371	0.078	4.0628	
4320 minute winter	20	2220	9.554	1.143	15.4	0.0000	0.0000	FLOOD RISK	2.006	21	15.4	0.521	0.078	3.4979	
4320 minute winter	21	2220	9.554	1.182	15.4	0.0000	0.0000	FLOOD RISK	2.007	22	15.4	0.537	0.026	3.7404	
4320 minute winter	22	2220	9.554	1.554	19.8	8.7505	0.0000	FLOOD RISK	2.008	23	19.8	0.143	0.069	53.3017	
4320 minute winter	23	420	7.750	1.000	19.8	0.0000	0.0000	FLOOD RISK	2.009	24	19.8	0.184	0.101	0.2519	
4320 minute winter	24	2220	9.544	0.044	19.8	0.0000	0.0000	OK	2.010	24_OUT	19.8	2.397	0.016	0.0494	
4320 minute winter	24_OUT	4260	8.078	0.544	21.0	0.0000	0.0000	OK	Flow through pond	49	82.8	0.005	0.000	5006.3418	
4320 minute winter	25	2220	8.812	0.016	0.4	0.0099	0.0000	OK	3.000	26	0.4	0.335	0.022	0.0425	
4320 minute winter	26	2220	8.456	0.021	0.8	0.0324	0.0000	OK	3.001	27	0.6	0.438	0.040	0.0581	
									Infiltration		0.2				
4320 minute winter	27	2220	8.136	0.021	1.0	0.0382	0.0000	OK	3.002	28	0.8	0.541	0.041	0.0500	
									Infiltration		0.2				
4320 minute winter	28	2220	7.717	0.022	1.2	0.0314	0.0000	OK	3.003	29	1.1	0.652	0.048	0.0500	
									Infiltration		0.1				
4320 minute winter	29	2220	7.088	0.023	1.5	0.0295	0.0000	OK	3.004	30	1.4	0.806	0.050	0.0115	
									Infiltration		0.1				
4320 minute winter	30	2220	6.842	0.017	1.5	0.0020	0.0000	OK	3.005	31	1.5	0.138	0.001	0.3874	
4320 minute winter	31	2220	6.751	0.056	1.6	0.0057	0.0000	OK	3.006	32	1.2	0.052	0.001	0.6598	
									Infiltration		0.4				

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4320 minute winter	32	2220	6.750	0.105	1.4	0.0127	0.0000	OK	3.007	33	-0.1	-0.003	0.000	0.4528
									Infiltration		0.8			
									Infiltration		0.8			
4320 minute winter	33	1860	6.777	0.002	0.1	0.0003	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0184
4320 minute winter	34	1860	6.748	0.003	0.1	0.0004	0.0000	OK	3.009	35	0.1	0.055	0.000	0.0171
									Infiltration		0.0			
4320 minute winter	35	1860	6.679	0.004	0.2	0.0004	0.0000	OK	3.010	36	0.2	0.012	0.000	0.2791
									Infiltration		0.0			
4320 minute winter	36	2100	6.578	0.073	0.3	0.0063	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
4320 minute winter	37	1860	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.006	0.000	0.5365
4320 minute winter	38	2100	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.030	0.000	0.3865
									Infiltration		0.3			
									Infiltration		0.4			
4320 minute winter	39	1860	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461
									Infiltration		0.0			
4320 minute winter	40	1860	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0385
									Infiltration		0.0			
4320 minute winter	41	1860	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324
									Infiltration		0.0			
4320 minute winter	42	1860	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.064	0.000	0.0319
									Infiltration		0.0			
4320 minute winter	43	1860	7.150	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251
									Infiltration		0.0			
4320 minute winter	44	1860	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202
4320 minute winter	45	1860	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0288
									Infiltration		0.0			
4320 minute winter	46	1860	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357
									Infiltration		0.0			
4320 minute winter	47	1860	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.058	0.000	0.2439
									Infiltration		0.0			
4320 minute winter	48	4560	6.858	0.081	0.4	0.0073	0.0000	OK	3.023	53	0.4	0.065	0.001	0.5149
									Infiltration		0.1			
4320 minute winter	49	4380	8.070	0.070	91.5	0.9936	0.0000	OK	Orifice	50	0.8			
									Infiltration		0.0			
4320 minute winter	50	4380	7.420	0.020	0.8	0.0000	0.0000	OK	4.001	51	0.8	0.629	0.038	0.0084
4320 minute winter	51	4380	7.317	0.017	0.8	0.0000	0.0000	OK	4.002	52	0.8	0.651	0.027	0.0044
4320 minute winter	52	4380	7.218	0.018	0.8	0.0000	0.0000	OK	4.003	53	0.8	0.655	0.030	0.0028
4320 minute winter	53	4560	6.856	0.071	0.8	0.0065	0.0000	OK	3.024	54	0.6	0.112	0.000	1.4712
									Infiltration		0.2			
4320 minute winter	54	4560	6.856	0.231	0.5	0.0277	0.0000	OK	3.025	54_OUT	0.5	0.013	0.000	3.4971
									Infiltration		0.2			
4320 minute winter	54_OUT	4560	6.856	0.351	0.6	0.0421	0.0000	OK	Infiltration		0.3			

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4320 minute winter	55	1920	8.463	0.017	0.2	0.0058	0.0000	OK	5.000	56	0.2	0.184	0.027	0.0182
4320 minute winter	56	1920	8.433	0.017	0.4	0.0280	0.0000	OK	5.001	57	0.3	0.238	0.027	0.0312
									Infiltration		0.1			
4320 minute winter	57	1920	8.335	0.025	0.5	0.0250	0.0000	OK	5.002	58	0.5	0.238	0.059	0.0978
									Infiltration		0.1			
4320 minute winter	58	2520	8.290	0.045	0.7	0.1451	0.0000	OK	5.003	59	0.5	0.251	0.071	0.1620
									Infiltration		0.3			
4320 minute winter	59	2520	8.289	0.004	0.7	0.4071	0.0000	OK	5.004	60	0.5	0.041	0.001	1.9422
									Infiltration		0.3			
4320 minute winter	60	2520	8.289	0.104	0.7	0.0354	0.0000	OK	5.005	61	0.3	0.026	0.000	3.7042
									Infiltration		0.3			
4320 minute winter	61	2520	8.289	0.153	0.5	0.0521	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
4320 minute winter	62	1980	8.142	0.006	0.2	0.0018	0.0000	OK	5.007	63	0.2	0.040	0.000	3.1864
4320 minute winter	63	2520	7.983	0.147	0.4	0.0499	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	3.1005
									Infiltration		0.3			
4320 minute winter	63_OUT	2520	7.983	0.218	0.3	0.0740	0.0000	OK	Infiltration		0.3			
4320 minute winter	64	2760	6.357	0.172	0.1	0.0275	0.0000	OK	6.000	65	0.1	0.024	0.000	1.4890
4320 minute winter	65	2760	6.357	0.232	0.2	0.0371	0.0000	OK	6.001	66	0.1	0.005	0.000	2.2361
									Infiltration		0.1			
4320 minute winter	66	2760	6.357	0.264	0.2	0.0417	0.0000	OK	6.002	67	0.0	0.002	0.000	1.3363
									Infiltration		0.2			
4320 minute winter	67	2760	6.357	0.281	0.1	0.0436	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
4320 minute winter	68	1980	6.079	0.003	0.1	0.0004	0.0000	OK	6.004	69	0.1	0.009	0.000	2.1988
4320 minute winter	69	2760	5.980	0.215	0.2	0.0345	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
4320 minute winter	70	2760	5.794	0.039	0.1	0.0062	0.0000	OK	6.006	71	0.1	0.014	0.000	0.3998
4320 minute winter	71	2760	5.794	0.109	0.2	0.0174	0.0000	OK	6.007	72	0.1	0.006	0.000	1.6267
									Infiltration		0.1			
4320 minute winter	72	2760	5.794	0.109	0.2	0.0174	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
4320 minute winter	73	2760	6.058	0.353	0.1	0.0565	0.0000	OK	6.009	74	0.1	0.013	0.000	1.8020
4320 minute winter	74	2760	6.058	0.353	0.2	0.0565	0.0000	OK	6.010	75	0.1	0.019	0.000	2.0495
									Infiltration		0.1			
4320 minute winter	75	2760	6.058	0.353	0.2	0.0565	0.0000	OK	6.011	76	0.1	0.006	0.000	2.2364
									Infiltration		0.1			
4320 minute winter	76	2760	6.058	0.423	0.2	0.0643	0.0000	OK	6.012	76_OUT	0.1	0.001	0.000	2.3881
									Infiltration		0.1			
4320 minute winter	76_OUT	2760	6.058	0.423	0.2	0.0677	0.0000	OK	Infiltration		0.1			

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Results for 100 year +30% 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 98.44%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	1	2880	9.573	0.273	0.2	0.0000	0.0000	FLOOD RISK	1.000	2	-0.2	-0.008	-0.007	0.4853	
5760 minute summer	2	2940	9.573	0.323	0.5	0.0000	0.0000	FLOOD RISK	1.001	3	-0.5	-0.017	-0.026	1.1264	
5760 minute summer	3	2940	9.573	0.423	0.6	0.0000	0.0000	FLOOD RISK	1.002	4	-0.6	-0.062	-0.031	0.4986	
5760 minute summer	4	2940	9.573	0.473	0.7	0.0000	0.0000	FLOOD RISK	1.003	5	-0.7	-0.033	-0.031	0.8441	
5760 minute summer	5	2940	9.573	0.573	0.8	0.0000	0.0000	FLOOD RISK	1.004	6	-0.8	-0.026	-0.021	0.1621	
5760 minute summer	6	2880	9.573	0.673	4.7	5.5448	0.0000	FLOOD RISK	1.005	7	4.7	0.340	0.097	0.7796	
5760 minute summer	7	2880	9.572	0.822	7.4	3.3498	0.0000	FLOOD RISK	1.006	8	7.4	0.337	0.155	2.4923	
5760 minute summer	8	2940	9.571	1.021	12.8	7.0063	0.0000	FLOOD RISK	1.007	9	12.8	0.342	0.118	5.9230	
5760 minute summer	9	2940	9.569	1.219	21.7	11.8562	0.0000	FLOOD RISK	1.008	10	21.7	0.316	0.092	3.1360	
5760 minute summer	10	2940	9.569	1.269	23.4	2.2497	0.0000	FLOOD RISK	1.009	11	23.4	0.295	0.158	47.8613	
5760 minute summer	11	2940	9.561	1.561	23.4	0.0000	0.0000	FLOOD RISK	1.010	12	23.4	0.143	0.081	53.3278	
5760 minute summer	12	480	7.750	1.000	23.4	0.0000	0.0000	FLOOD RISK	1.011	13	23.4	0.192	0.119	0.2530	
5760 minute summer	13	2940	9.547	0.047	23.4	0.0000	0.0000	OK	1.012	13_OUT	23.4	2.516	0.019	0.0557	
5760 minute summer	13_OUT	5820	8.057	0.523	23.4	0.0000	0.0000	OK	Flow through pond	49	52.9	0.003	0.000	4839.2197	
5760 minute summer	14	2940	9.562	0.262	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.007	-0.007	0.8136	
5760 minute summer	15	2880	9.562	0.476	3.8	3.7751	0.0000	FLOOD RISK	2.001	16	3.8	0.303	0.074	0.9254	
5760 minute summer	16	2880	9.562	0.571	3.6	0.0000	0.0000	FLOOD RISK	2.002	17	3.6	0.322	0.073	0.6320	
5760 minute summer	17	2940	9.561	0.702	5.4	2.1793	0.0000	FLOOD RISK	2.003	18	5.4	0.325	0.059	1.8750	
5760 minute summer	18	2940	9.561	0.886	9.8	5.5353	0.0000	FLOOD RISK	2.004	19	9.8	0.334	0.078	5.4890	
5760 minute summer	19	2880	9.560	1.104	17.4	9.9585	0.0000	FLOOD RISK	2.005	20	17.4	0.320	0.088	4.0628	
5760 minute summer	20	2940	9.560	1.149	17.4	0.0000	0.0000	FLOOD RISK	2.006	21	17.4	0.441	0.088	3.4979	
5760 minute summer	21	2940	9.559	1.187	17.4	0.0000	0.0000	FLOOD RISK	2.007	22	17.4	0.463	0.029	3.7404	
5760 minute summer	22	2940	9.558	1.559	22.3	6.7729	0.0000	FLOOD RISK	2.008	23	22.3	0.114	0.077	53.3017	
5760 minute summer	23	480	7.750	1.000	22.3	0.0000	0.0000	FLOOD RISK	2.009	24	22.3	0.163	0.114	0.2528	
5760 minute summer	24	2940	9.548	0.048	22.3	0.0000	0.0000	OK	2.010	24_OUT	22.3	2.482	0.018	0.0538	
5760 minute summer	24_OUT	5820	8.057	0.523	22.3	0.0000	0.0000	OK	Flow through pond	49	52.9	0.003	0.000	4839.2197	
5760 minute summer	25	2880	8.812	0.016	0.4	0.0099	0.0000	OK	3.000	26	0.4	0.338	0.022	0.0425	
5760 minute summer	26	2880	8.456	0.021	0.8	0.0024	0.0000	OK	3.001	27	0.8	0.438	0.040	0.0581	
									Infiltration		0.2				
5760 minute summer	27	2880	8.136	0.021	1.0	0.0363	0.0000	OK	3.002	28	0.8	0.541	0.041	0.0500	
									Infiltration		0.2				
5760 minute summer	28	2880	7.717	0.022	1.2	0.0314	0.0000	OK	3.003	29	1.1	0.652	0.046	0.0500	
									Infiltration		0.1				
5760 minute summer	29	2880	7.068	0.023	1.5	0.0295	0.0000	OK	3.004	30	1.4	0.806	0.050	0.0115	
									Infiltration		0.1				
5760 minute summer	30	2880	6.842	0.017	1.5	0.0020	0.0000	OK	3.005	31	1.5	0.138	0.001	0.3901	
5760 minute summer	31	3000	6.751	0.056	1.6	0.0087	0.0000	OK	3.006	32	1.2	0.052	0.001	0.6641	
									Infiltration		0.4				
5760 minute summer	32	3000	6.751	0.106	1.4	0.0127	0.0000	OK	3.007	33	-0.1	-0.003	0.000	0.4549	

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									Infiltration		0.5				
									Infiltration		0.8				
5760 minute summer	33	2700	6.777	0.002	0.1	0.0003	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0184	
5760 minute summer	34	2700	6.748	0.003	0.1	0.0004	0.0000	OK	3.009	35	0.1	0.055	0.000	0.0171	
									Infiltration		0.5				
5760 minute summer	35	2700	6.679	0.004	0.2	0.0004	0.0000	OK	3.010	36	0.2	0.012	0.000	0.2791	
									Infiltration		0.0				
5760 minute summer	36	2940	6.578	0.073	0.3	0.0083	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.3				
5760 minute summer	37	2700	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.006	0.000	0.5365	
5760 minute summer	38	2940	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.030	0.000	0.3805	
									Infiltration		0.3				
									Infiltration		0.4				
5760 minute summer	39	2700	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461	
									Infiltration		0.0				
5760 minute summer	40	2700	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0388	
									Infiltration		0.0				
5760 minute summer	41	2700	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324	
									Infiltration		0.0				
5760 minute summer	42	2700	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.084	0.000	0.0319	
									Infiltration		0.0				
5760 minute summer	43	2700	7.156	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251	
									Infiltration		0.0				
5760 minute summer	44	2700	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202	
5760 minute summer	45	2700	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0286	
									Infiltration		0.0				
5760 minute summer	46	2700	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0367	
									Infiltration		0.0				
5760 minute summer	47	2700	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.058	0.000	0.1843	
									Infiltration		0.0				
5760 minute summer	48	3180	6.838	0.043	0.4	0.0051	0.0000	OK	3.023	50	0.4	0.065	0.001	0.3580	
									Infiltration		0.0				
5760 minute summer	49	5820	8.051	0.651	59.1	0.7330	0.0000	OK	Orifice	50	0.6				
									Infiltration		0.6				
5760 minute summer	50	5820	7.418	0.018	0.6	0.0000	0.0000	OK	4.001	51	0.6	0.588	0.029	0.0072	
5760 minute summer	51	5820	7.315	0.015	0.6	0.0000	0.0000	OK	4.002	52	0.6	0.635	0.021	0.0037	
5760 minute summer	52	5820	7.216	0.016	0.6	0.0000	0.0000	OK	4.003	53	0.6	0.612	0.024	0.0024	
5760 minute summer	53	3180	6.837	0.052	0.6	0.0063	0.0000	OK	3.024	54	0.5	0.112	0.000	1.2655	
									Infiltration		0.1				
5760 minute summer	54	3180	6.837	0.212	0.8	0.0255	0.0000	OK	3.025	54_OUT	0.5	0.013	0.000	3.1999	
									Infiltration		0.2				
5760 minute summer	54_OUT	3180	6.837	0.332	0.6	0.0399	0.0000	OK	Infiltration		0.3				
5760 minute summer	55	2760	8.463	0.017	0.2	0.0058	0.0000	OK	5.000	56	0.2	0.184	0.027	0.0182	
5760 minute summer	56	2760	8.433	0.017	0.4	0.0280	0.0000	OK	5.001	57	0.3	0.228	0.027	0.0312	

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								Infiltration		0.1					
5760 minute summer	57	2760	8.335	0.025	0.5	0.0250	0.0000 OK	5.002	58	0.5	0.238	0.059	0.0818		
								Infiltration		0.1					
5760 minute summer	58	3120	8.287	0.042	0.7	0.1281	0.0000 OK	5.003	59	0.5	0.251	0.071	0.1525		
								Infiltration		0.2					
5760 minute summer	59	3120	8.286	0.081	0.7	0.3887	0.0000 OK	5.004	60	0.5	0.041	0.001	1.8887		
								Infiltration		0.3					
5760 minute summer	60	3120	8.286	0.101	0.7	0.0344	0.0000 OK	5.005	61	0.3	0.026	0.000	3.5979		
								Infiltration		0.3					
5760 minute summer	61	3120	8.286	0.150	0.5	0.0510	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
5760 minute summer	62	2820	8.142	0.006	0.2	0.0018	0.0000 OK	5.007	63	0.2	0.040	0.000	2.9728		
5760 minute summer	63	3120	7.974	0.138	0.4	0.0471	0.0000 OK	5.008	63_OUT	0.1	0.014	0.000	2.9241		
								Infiltration		0.3					
5760 minute summer	63_OUT	3120	7.974	0.209	0.3	0.0712	0.0000 OK	Infiltration		0.3					
5760 minute summer	64	3360	6.344	0.159	0.1	0.0255	0.0000 OK	6.000	65	0.1	0.024	0.000	1.3991		
5760 minute summer	65	3360	6.344	0.219	0.2	0.0351	0.0000 OK	6.001	66	0.1	0.005	0.000	2.0835		
								Infiltration		0.1					
5760 minute summer	66	3360	6.344	0.251	0.2	0.0397	0.0000 OK	6.002	67	0.0	0.002	0.000	1.2518		
								Infiltration		0.2					
5760 minute summer	67	3360	6.344	0.288	0.1	0.0416	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
5760 minute summer	68	2520	6.079	0.003	0.1	0.0004	0.0000 OK	6.004	69	0.1	0.009	0.000	2.1807		
5760 minute summer	69	3360	5.979	0.214	0.2	0.0343	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
5760 minute summer	70	3360	5.791	0.036	0.1	0.0057	0.0000 OK	6.006	71	0.1	0.014	0.000	0.3823		
5760 minute summer	71	3360	5.791	0.106	0.2	0.0169	0.0000 OK	6.007	72	0.1	0.006	0.000	1.5745		
								Infiltration		0.1					
5760 minute summer	72	3360	5.791	0.106	0.2	0.0169	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
5760 minute summer	73	3360	6.032	0.327	0.1	0.0524	0.0000 OK	6.009	74	0.1	0.013	0.000	1.6215		
5760 minute summer	74	3360	6.032	0.327	0.2	0.0524	0.0000 OK	6.010	75	0.1	0.018	0.000	1.8362		
								Infiltration		0.1					
5760 minute summer	75	3360	6.032	0.327	0.2	0.0524	0.0000 OK	6.011	76	0.1	0.006	0.000	2.0315		
								Infiltration		0.1					
5760 minute summer	76	3360	6.032	0.397	0.2	0.0604	0.0000 OK	6.012	76_OUT	0.1	0.001	0.000	2.1635		
								Infiltration		0.1					
5760 minute summer	76_OUT	3360	6.032	0.397	0.2	0.0638	0.0000 OK	Infiltration		0.1					

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Results for 100 year +30% 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 88.58%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	1	2880	9.553	0.253	0.2	0.0000	0.0000	FLOOD RISK	1.000	2	-0.2	-0.009	-0.009	0.4653	
5760 minute winter	2	2880	9.554	0.304	0.8	0.0000	0.0000	FLOOD RISK	1.001	3	-0.8	-0.019	-0.029	1.1264	
5760 minute winter	3	2880	9.554	0.404	0.7	0.0000	0.0000	FLOOD RISK	1.002	4	-0.7	-0.023	-0.034	0.4986	
5760 minute winter	4	2940	9.554	0.454	0.8	0.0000	0.0000	FLOOD RISK	1.003	5	-0.8	-0.025	-0.034	0.8441	
5760 minute winter	5	2940	9.554	0.554	0.9	0.0000	0.0000	FLOOD RISK	1.004	6	-0.9	-0.028	-0.023	0.1621	
5760 minute winter	6	2940	9.554	0.654	3.4	5.3893	0.0000	FLOOD RISK	1.005	7	3.4	0.355	0.070	0.7796	
5760 minute winter	7	2940	9.553	0.803	5.3	3.2742	0.0000	FLOOD RISK	1.006	8	5.3	0.347	0.075	2.4823	
5760 minute winter	8	2880	9.553	1.003	9.2	6.6828	0.0000	FLOOD RISK	1.007	9	9.2	0.356	0.085	5.9230	
5760 minute winter	9	2880	9.552	1.202	15.6	11.6682	0.0000	FLOOD RISK	1.008	10	15.6	0.341	0.066	3.1360	
5760 minute winter	10	2880	9.552	1.252	16.8	2.2194	0.0000	FLOOD RISK	1.009	11	16.8	0.325	0.114	47.8613	
5760 minute winter	11	2880	9.548	1.548	16.8	0.0000	0.0000	FLOOD RISK	1.010	12	16.8	0.236	0.058	53.3278	
5760 minute winter	12	540	7.750	1.000	16.8	0.0000	0.0000	FLOOD RISK	1.011	13	16.8	0.140	0.085	0.2505	
5760 minute winter	13	2940	9.540	0.040	16.8	0.0000	0.0000	OK	1.012	13_OUT	16.8	2.273	0.014	0.0443	
5760 minute winter	13_OUT	5640	8.120	0.587	17.4	0.0000	0.0000	OK	Flow through pond	49	30.7	0.003	0.000	5407.0200	
5760 minute winter	14	2940	9.548	0.248	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.011	-0.008	0.8136	
5760 minute winter	15	2880	9.548	0.462	2.6	3.8652	0.0000	FLOOD RISK	2.001	16	2.6	0.323	0.054	0.9254	
5760 minute winter	16	2880	9.548	0.557	2.6	0.0000	0.0000	FLOOD RISK	2.002	17	2.6	0.343	0.053	0.6320	
5760 minute winter	17	2880	9.548	0.689	3.9	2.1376	0.0000	FLOOD RISK	2.003	18	3.9	0.342	0.050	1.8750	
5760 minute winter	18	2880	9.548	0.867	7.1	5.4521	0.0000	FLOOD RISK	2.004	19	7.1	0.387	0.056	5.4890	
5760 minute winter	19	2880	9.547	1.091	12.5	9.8409	0.0000	FLOOD RISK	2.005	20	12.5	0.348	0.064	4.0628	
5760 minute winter	20	2880	9.547	1.136	12.6	0.0000	0.0000	FLOOD RISK	2.006	21	12.5	0.464	0.064	3.4979	
5760 minute winter	21	2940	9.547	1.175	12.6	0.0000	0.0000	FLOOD RISK	2.007	22	12.5	0.463	0.021	3.7464	
5760 minute winter	22	2940	9.547	1.547	16.2	8.7190	0.0000	FLOOD RISK	2.008	23	16.2	0.171	0.055	53.3017	
5760 minute winter	23	540	7.750	1.000	16.2	0.0000	0.0000	FLOOD RISK	2.009	24	16.2	0.135	0.083	0.2505	
5760 minute winter	24	2940	9.540	0.040	16.2	0.0000	0.0000	OK	2.010	24_OUT	16.2	2.247	0.013	0.0432	
5760 minute winter	24_OUT	5640	8.120	0.587	26.6	0.0000	0.0000	OK	Flow through pond	49	30.7	0.003	0.000	5407.0200	
5760 minute winter	25	2940	8.810	0.014	0.3	0.0087	0.0000	OK	3.000	26	0.3	0.311	0.017	0.0343	
5760 minute winter	26	2940	8.453	0.018	0.8	0.0255	0.0000	OK	3.001	27	0.5	0.399	0.029	0.0460	
									Infiltration		0.1				
5760 minute winter	27	2940	8.133	0.018	0.6	0.0292	0.0000	OK	3.002	28	0.6	0.487	0.029	0.0391	
									Infiltration		0.2				
5760 minute winter	28	2940	7.714	0.019	0.9	0.0244	0.0000	OK	3.003	29	0.8	0.567	0.032	0.0468	
									Infiltration		0.1				
5760 minute winter	29	2940	7.085	0.020	1.1	0.0230	0.0000	OK	3.004	30	1.0	0.728	0.035	0.0091	
									Infiltration		0.1				
5760 minute winter	30	2760	6.839	0.014	1.1	0.0017	0.0000	OK	3.005	31	1.1	0.137	0.000	0.2336	
5760 minute winter	31	3060	6.727	0.032	1.2	0.0036	0.0000	OK	3.006	32	1.0	0.052	0.001	0.4443	
									Infiltration		0.2				

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5760 minute winter	32	3000	6.726	0.081	1.1	0.0097	0.0000	OK	3.007	33	-0.1	-0.003	0.000	0.3357
									Infiltration		0.4			
									Infiltration		0.7			
5760 minute winter	33	2760	6.777	0.002	0.1	0.0003	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0184
5760 minute winter	34	2760	6.748	0.003	0.1	0.0004	0.0000	OK	3.009	35	0.1	0.055	0.000	0.0171
									Infiltration		0.0			
5760 minute winter	35	2760	6.679	0.004	0.2	0.0004	0.0000	OK	3.010	36	0.2	0.012	0.000	0.2791
									Infiltration		0.0			
5760 minute winter	36	3000	6.578	0.073	0.3	0.0083	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
5760 minute winter	37	2760	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.006	0.000	0.5365
5760 minute winter	38	3000	6.347	0.062	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.030	0.000	0.3865
									Infiltration		0.3			
									Infiltration		0.4			
5760 minute winter	39	2760	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461
									Infiltration		0.0			
5760 minute winter	40	2760	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0385
									Infiltration		0.0			
5760 minute winter	41	2760	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324
									Infiltration		0.0			
5760 minute winter	42	2760	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.064	0.000	0.0319
									Infiltration		0.0			
5760 minute winter	43	2760	7.150	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251
									Infiltration		0.0			
5760 minute winter	44	2760	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202
5760 minute winter	45	2760	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0286
									Infiltration		0.0			
5760 minute winter	46	2760	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357
									Infiltration		0.0			
5760 minute winter	47	2760	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.058	0.000	0.7106
									Infiltration		0.0			
5760 minute winter	48	6000	6.948	0.153	0.4	0.0184	0.0000	OK	3.023	53	0.4	0.055	0.001	1.4299
									Infiltration		0.2			
5760 minute winter	49	5760	8.112	0.112	39.8	1.5849	0.0000	OK	Orifice	50	1.1			
									Infiltration		0.0			
5760 minute winter	50	5760	7.423	0.023	1.1	0.0000	0.0000	OK	4.001	51	1.1	0.692	0.049	0.0104
5760 minute winter	51	5760	7.320	0.020	1.1	0.0000	0.0000	OK	4.002	52	1.1	0.749	0.037	0.0054
5760 minute winter	52	5760	7.221	0.021	1.1	0.0000	0.0000	OK	4.003	53	1.1	0.721	0.041	0.0035
5760 minute winter	53	6000	6.948	0.153	1.1	0.0196	0.0000	OK	3.024	54	0.7	0.112	0.000	2.6250
									Infiltration		0.2			
5760 minute winter	54	6000	6.948	0.323	0.7	0.0368	0.0000	OK	3.025	54_OUT	0.5	0.013	0.000	5.1109
									Infiltration		0.3			
5760 minute winter	54_OUT	6000	6.948	0.443	0.6	0.0532	0.0000	OK	Infiltration		0.4			

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5760 minute winter	55	2880	8.463	0.017	0.2	0.0058	0.0000	OK	5.000	56	0.2	0.184	0.027	0.0182
5760 minute winter	56	2880	8.433	0.017	0.4	0.0280	0.0000	OK	5.001	57	0.3	0.238	0.027	0.0312
									Infiltration		0.1			
5760 minute winter	57	2880	8.335	0.025	0.5	0.0250	0.0000	OK	5.002	58	0.5	0.238	0.059	0.0654
									Infiltration		0.1			
5760 minute winter	58	3000	8.274	0.029	0.7	0.0633	0.0000	OK	5.003	59	0.5	0.250	0.071	0.1081
									Infiltration		0.2			
5760 minute winter	59	3000	8.271	0.058	0.7	0.2941	0.0000	OK	5.004	60	0.5	0.041	0.001	1.5104
									Infiltration		0.3			
5760 minute winter	60	3000	8.271	0.086	0.7	0.0291	0.0000	OK	5.005	61	0.3	0.026	0.000	3.0781
									Infiltration		0.3			
5760 minute winter	61	3000	8.271	0.135	0.5	0.0457	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
5760 minute winter	62	2940	8.142	0.006	0.2	0.0018	0.0000	OK	5.007	63	0.2	0.040	0.000	2.4165
5760 minute winter	63	3000	7.952	0.116	0.4	0.0394	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	2.4602
									Infiltration		0.2			
5760 minute winter	63_OUT	3000	7.952	0.187	0.3	0.0635	0.0000	OK	Infiltration		0.3			
5760 minute winter	64	3540	6.362	0.177	0.1	0.0283	0.0000	OK	6.000	65	0.1	0.024	0.000	1.5329
5760 minute winter	65	3540	6.362	0.237	0.2	0.0379	0.0000	OK	6.001	66	0.1	0.005	0.000	2.2919
									Infiltration		0.1			
5760 minute winter	66	3540	6.362	0.288	0.2	0.0424	0.0000	OK	6.002	67	0.0	0.001	0.000	1.3672
									Infiltration		0.2			
5760 minute winter	67	3540	6.362	0.286	0.1	0.0443	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
5760 minute winter	68	2340	6.079	0.003	0.1	0.0004	0.0000	OK	6.004	69	0.1	0.009	0.000	2.2018
5760 minute winter	69	3540	5.981	0.216	0.2	0.0345	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
5760 minute winter	70	3540	5.795	0.040	0.1	0.0083	0.0000	OK	6.006	71	0.1	0.014	0.000	0.4055
5760 minute winter	71	3540	5.795	0.110	0.2	0.0175	0.0000	OK	6.007	72	0.1	0.006	0.000	1.6434
									Infiltration		0.1			
5760 minute winter	72	3540	5.795	0.110	0.2	0.0175	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
5760 minute winter	73	3540	6.068	0.363	0.1	0.0581	0.0000	OK	6.009	74	0.1	0.013	0.000	1.8734
5760 minute winter	74	3540	6.068	0.363	0.2	0.0581	0.0000	OK	6.010	75	0.1	0.019	0.000	2.1214
									Infiltration		0.1			
5760 minute winter	75	3540	6.068	0.383	0.2	0.0581	0.0000	OK	6.011	76	0.1	0.006	0.000	2.3200
									Infiltration		0.1			
5760 minute winter	76	3540	6.068	0.433	0.2	0.0658	0.0000	OK	6.012	76_OUT	0.1	0.001	0.000	2.4488
									Infiltration		0.1			
5760 minute winter	76_OUT	3540	6.068	0.433	0.2	0.0693	0.0000	OK	Infiltration		0.1			

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Results for 100 year +30% 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance: 98.53%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	1	3660	9.563	0.263	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.014	-0.005	0.4853	
7200 minute summer	2	3600	9.563	0.313	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.018	-0.020	1.1264	
7200 minute summer	3	3660	9.563	0.413	0.6	0.0000	0.0000	FLOOD RISK	1.002	4	-0.6	-0.020	-0.029	0.4986	
7200 minute summer	4	3660	9.563	0.463	0.7	0.0000	0.0000	FLOOD RISK	1.003	5	-0.7	-0.021	-0.029	0.8441	
7200 minute summer	5	3600	9.563	0.563	0.7	0.0000	0.0000	FLOOD RISK	1.004	6	-0.7	-0.023	-0.019	0.1621	
7200 minute summer	6	3600	9.563	0.663	4.0	5.4654	0.0000	FLOOD RISK	1.005	7	4.0	0.340	0.083	0.7796	
7200 minute summer	7	3600	9.562	0.812	6.3	3.3112	0.0000	FLOOD RISK	1.006	8	6.3	0.336	0.090	2.4923	
7200 minute summer	8	3660	9.561	1.011	11.0	6.9428	0.0000	FLOOD RISK	1.007	9	11.0	0.318	0.101	5.9230	
7200 minute summer	9	3660	9.560	1.210	18.7	11.7702	0.0000	FLOOD RISK	1.008	10	18.7	0.368	0.079	3.1360	
7200 minute summer	10	3660	9.560	1.260	20.1	2.2342	0.0000	FLOOD RISK	1.009	11	20.1	0.277	0.136	47.8613	
7200 minute summer	11	3660	9.555	1.555	20.1	0.0000	0.0000	FLOOD RISK	1.010	12	20.1	0.146	0.070	53.3278	
7200 minute summer	12	540	7.750	1.000	20.1	0.0000	0.0000	FLOOD RISK	1.011	13	20.1	0.166	0.102	0.2518	
7200 minute summer	13	3660	9.544	0.044	20.1	0.0000	0.0000	OK	1.012	13_OUT	20.1	2.408	0.016	0.0500	
7200 minute summer	13_OUT	7260	8.093	0.560	20.1	0.0000	0.0000	OK	Flow through pond	49	35.6	0.002	0.000	5179.2868	
7200 minute summer	14	3660	9.555	0.255	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.006	-0.005	0.8138	
7200 minute summer	15	3600	9.555	0.489	3.1	3.7204	0.0000	FLOOD RISK	2.001	16	3.1	0.275	0.064	0.9254	
7200 minute summer	16	3600	9.555	0.564	3.1	0.0000	0.0000	FLOOD RISK	2.002	17	3.1	0.294	0.063	0.6320	
7200 minute summer	17	3660	9.555	0.696	4.7	2.1585	0.0000	FLOOD RISK	2.003	18	4.7	0.305	0.060	1.8750	
7200 minute summer	18	3600	9.554	0.873	8.5	5.4938	0.0000	FLOOD RISK	2.004	19	8.5	0.322	0.068	5.4890	
7200 minute summer	19	3660	9.554	1.098	15.1	9.8990	0.0000	FLOOD RISK	2.005	20	15.1	0.363	0.077	4.0628	
7200 minute summer	20	3660	9.553	1.142	15.1	0.0000	0.0000	FLOOD RISK	2.006	21	15.1	0.418	0.076	3.4979	
7200 minute summer	21	3660	9.553	1.181	15.1	0.0000	0.0000	FLOOD RISK	2.007	22	15.1	0.441	0.025	3.7404	
7200 minute summer	22	3600	9.553	1.553	19.3	6.7481	0.0000	FLOOD RISK	2.008	23	19.3	0.166	0.087	53.3017	
7200 minute summer	23	540	7.750	1.000	19.3	0.0000	0.0000	FLOOD RISK	2.009	24	19.3	0.150	0.098	0.2517	
7200 minute summer	24	3660	9.543	0.043	19.3	0.0000	0.0000	OK	2.010	24_OUT	19.3	2.377	0.016	0.0486	
7200 minute summer	24_OUT	7260	8.093	0.560	19.3	0.0000	0.0000	OK	Flow through pond	49	35.6	0.002	0.000	5179.2868	
7200 minute summer	25	3420	8.818	0.014	0.3	0.0087	0.0000	OK	3.000	26	0.3	0.311	0.017	0.0343	
7200 minute summer	26	3420	8.453	0.018	0.6	0.0255	0.0000	OK	3.001	27	0.5	0.389	0.029	0.0460	
									Infiltration		0.1				
7200 minute summer	27	3420	8.133	0.018	0.8	0.0293	0.0000	OK	3.002	28	0.6	0.487	0.029	0.0391	
									Infiltration		0.2				
7200 minute summer	28	3420	7.714	0.018	0.9	0.0244	0.0000	OK	3.003	29	0.8	0.587	0.032	0.0468	
									Infiltration		0.1				
7200 minute summer	29	3420	7.065	0.020	1.1	0.0230	0.0000	OK	3.004	30	1.0	0.728	0.035	0.0091	
									Infiltration		0.1				
7200 minute summer	30	3480	6.839	0.014	1.1	0.0017	0.0000	OK	3.005	31	1.1	0.136	0.000	0.2536	
7200 minute summer	31	3780	6.727	0.032	1.2	0.0038	0.0000	OK	3.006	32	1.0	0.052	0.001	0.4443	
									Infiltration		0.2				
7200 minute summer	32	3720	6.726	0.681	1.1	0.0097	0.0000	OK	3.007	33	-0.1	-0.003	0.000	0.3357	

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									Infiltration		0.4				
									Infiltration		0.7				
7200 minute summer	33	3480	6.777	0.002	0.1	0.0003	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0184	
7200 minute summer	34	3480	6.748	0.003	0.1	0.0004	0.0000	OK	3.009	35	0.1	0.055	0.000	0.0171	
									Infiltration		0.5				
7200 minute summer	35	3480	6.679	0.004	0.2	0.0004	0.0000	OK	3.010	36	0.2	0.012	0.000	0.2791	
									Infiltration		0.0				
7200 minute summer	36	3720	6.578	0.073	0.3	0.0083	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.3				
7200 minute summer	37	3480	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.006	0.000	0.5365	
7200 minute summer	38	3720	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.030	0.000	0.3805	
									Infiltration		0.3				
									Infiltration		0.4				
7200 minute summer	39	3480	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461	
									Infiltration		0.0				
7200 minute summer	40	3480	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0368	
									Infiltration		0.0				
7200 minute summer	41	3480	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324	
									Infiltration		0.0				
7200 minute summer	42	3480	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.084	0.000	0.0319	
									Infiltration		0.0				
7200 minute summer	43	3480	7.156	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251	
									Infiltration		0.0				
7200 minute summer	44	3480	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202	
7200 minute summer	45	3480	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0286	
									Infiltration		0.0				
7200 minute summer	46	3480	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357	
									Infiltration		0.0				
7200 minute summer	47	3480	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.058	0.000	0.4500	
									Infiltration		0.0				
7200 minute summer	48	7440	6.900	0.105	0.4	0.0126	0.0000	OK	3.023	50	0.4	0.065	0.001	0.9194	
									Infiltration		0.1				
7200 minute summer	49	7260	8.088	0.688	47.1	1.2532	0.0000	OK	Orifice	50	0.9				
									Infiltration		0.5				
7200 minute summer	50	7260	7.421	0.021	0.9	0.0000	0.0000	OK	4.001	51	0.9	0.662	0.042	0.0094	
7200 minute summer	51	7260	7.318	0.018	0.9	0.0000	0.0000	OK	4.002	52	0.9	0.715	0.032	0.0049	
7200 minute summer	52	7260	7.219	0.018	0.9	0.0000	0.0000	OK	4.003	53	0.9	0.689	0.035	0.0032	
7200 minute summer	53	7440	6.900	0.115	0.9	0.0138	0.0000	OK	3.024	54	0.6	0.112	0.000	1.9881	
									Infiltration		0.2				
7200 minute summer	54	7440	6.900	0.275	0.8	0.0330	0.0000	OK	3.025	54_OUT	0.5	0.013	0.000	4.2300	
									Infiltration		0.2				
7200 minute summer	54_OUT	7440	6.900	0.395	0.6	0.0474	0.0000	OK	Infiltration		0.4				
7200 minute summer	55	3540	8.463	0.017	0.2	0.0058	0.0000	OK	5.000	56	0.2	0.184	0.027	0.0182	
7200 minute summer	56	3540	8.433	0.017	0.4	0.0280	0.0000	OK	5.001	57	0.3	0.228	0.027	0.0312	

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								Infiltration		0.1					
7200 minute summer	57	3540	8.335	0.025	0.5	0.0250	0.0000OK	5.002	58	0.5	0.238	0.059	0.0828		
								Infiltration		0.1					
7200 minute summer	58	3780	8.283	0.038	0.7	0.1044	0.0000OK	5.003	59	0.5	0.250	0.071	0.1382		
								Infiltration		0.2					
7200 minute summer	59	3780	8.281	0.076	0.7	0.3607	0.0000OK	5.004	60	0.5	0.041	0.001	1.7571		
								Infiltration		0.3					
7200 minute summer	60	3780	8.281	0.096	0.7	0.0328	0.0000OK	5.005	61	0.3	0.026	0.000	3.4363		
								Infiltration		0.3					
7200 minute summer	61	3780	8.281	0.145	0.5	0.0494	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
7200 minute summer	62	3600	8.142	0.006	0.2	0.0018	0.0000OK	5.007	63	0.2	0.040	0.000	2.7540		
7200 minute summer	63	3780	7.966	0.130	0.4	0.0442	0.0000OK	5.008	63_OUT	0.1	0.014	0.000	2.7514		
								Infiltration		0.3					
7200 minute summer	63_OUT	3780	7.966	0.201	0.3	0.0684	0.0000OK	Infiltration		0.3					
7200 minute summer	64	4080	6.344	0.159	0.1	0.0255	0.0000OK	6.000	65	0.1	0.024	0.000	1.3991		
7200 minute summer	65	4080	6.344	0.219	0.2	0.0351	0.0000OK	6.001	66	0.1	0.005	0.000	2.0835		
								Infiltration		0.1					
7200 minute summer	66	4080	6.344	0.251	0.2	0.0397	0.0000OK	6.002	67	0.0	0.002	0.000	1.2518		
								Infiltration		0.2					
7200 minute summer	67	4080	6.344	0.288	0.1	0.0416	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
7200 minute summer	68	3240	6.079	0.003	0.1	0.0004	0.0000OK	6.004	69	0.1	0.009	0.000	2.1807		
7200 minute summer	69	4080	5.979	0.214	0.2	0.0343	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
7200 minute summer	70	4080	5.791	0.036	0.1	0.0057	0.0000OK	6.006	71	0.1	0.014	0.000	0.3823		
7200 minute summer	71	4080	5.791	0.106	0.2	0.0169	0.0000OK	6.007	72	0.1	0.006	0.000	1.5745		
								Infiltration		0.1					
7200 minute summer	72	4080	5.791	0.106	0.2	0.0169	0.0000OK	6.008	73	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
7200 minute summer	73	4080	6.032	0.327	0.1	0.0524	0.0000OK	6.009	74	0.1	0.013	0.000	1.6215		
7200 minute summer	74	4080	6.032	0.327	0.2	0.0524	0.0000OK	6.010	75	0.1	0.018	0.000	1.8362		
								Infiltration		0.1					
7200 minute summer	75	4080	6.032	0.327	0.2	0.0524	0.0000OK	6.011	76	0.1	0.006	0.000	2.0315		
								Infiltration		0.1					
7200 minute summer	76	4080	6.032	0.397	0.2	0.0604	0.0000OK	6.012	76_OUT	0.1	0.001	0.000	2.1835		
								Infiltration		0.1					
7200 minute summer	76_OUT	4080	6.032	0.397	0.2	0.0638	0.0000OK	Infiltration		0.1					

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Results for 100 year +30% 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 98.68%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	1	3600	9.548	0.248	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.030	-0.008	0.4653	
7200 minute winter	2	3600	9.548	0.298	0.5	0.0000	0.0000	FLOOD RISK	1.001	3	-0.5	-0.026	-0.024	1.1264	
7200 minute winter	3	3660	9.548	0.398	0.8	0.0000	0.0000	FLOOD RISK	1.002	4	-0.8	-0.025	-0.036	0.4986	
7200 minute winter	4	3660	9.548	0.448	0.8	0.0000	0.0000	FLOOD RISK	1.003	5	-0.8	-0.035	-0.036	0.8441	
7200 minute winter	5	3660	9.548	0.548	0.9	0.0000	0.0000	FLOOD RISK	1.004	6	-0.9	-0.029	-0.024	0.1621	
7200 minute winter	6	3600	9.548	0.648	2.9	5.3397	0.0000	FLOOD RISK	1.005	7	2.9	0.340	0.060	0.7796	
7200 minute winter	7	3600	9.547	0.797	4.6	3.2563	0.0000	FLOOD RISK	1.006	8	4.6	0.337	0.065	2.4923	
7200 minute winter	8	3660	9.547	0.997	8.0	6.8437	0.0000	FLOOD RISK	1.007	9	8.0	0.342	0.074	5.9236	
7200 minute winter	9	3600	9.546	1.196	13.5	11.6342	0.0000	FLOOD RISK	1.008	10	13.5	0.327	0.057	3.1360	
7200 minute winter	10	3600	9.546	1.246	14.5	2.2097	0.0000	FLOOD RISK	1.009	11	14.5	0.312	0.098	47.8613	
7200 minute winter	11	3660	9.543	1.543	14.5	0.0000	0.0000	FLOOD RISK	1.010	12	14.5	0.189	0.050	53.3278	
7200 minute winter	12	600	7.750	1.000	14.5	0.0000	0.0000	FLOOD RISK	1.011	13	14.5	0.121	0.074	0.2497	
7200 minute winter	13	3660	9.538	0.038	14.5	0.0000	0.0000	OK	1.012	13_OUT	14.5	2.170	0.012	0.0400	
7200 minute winter	13_OUT	7020	8.160	0.627	14.6	0.0000	0.0000	OK	Flow through pond	49	54.2	0.003	0.000	5787.3105	
7200 minute winter	14	3660	9.544	0.244	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.0	-0.001	-0.001	0.8136	
7200 minute winter	15	3600	9.544	0.458	2.2	3.5278	0.0000	FLOOD RISK	2.001	16	2.2	0.302	0.045	0.9254	
7200 minute winter	16	3600	9.543	0.552	2.2	0.0000	0.0000	FLOOD RISK	2.002	17	2.2	0.322	0.045	0.6320	
7200 minute winter	17	3660	9.543	0.684	3.3	2.1253	0.0000	FLOOD RISK	2.003	18	3.3	0.325	0.042	1.8750	
7200 minute winter	18	3660	9.543	0.862	5.1	5.4236	0.0000	FLOOD RISK	2.004	19	5.1	0.346	0.048	5.4896	
7200 minute winter	19	3600	9.543	1.087	10.9	9.8010	0.0000	FLOOD RISK	2.005	20	10.9	0.327	0.055	4.0628	
7200 minute winter	20	3600	9.543	1.132	10.9	0.0000	0.0000	FLOOD RISK	2.006	21	10.9	0.452	0.055	3.4979	
7200 minute winter	21	3600	9.543	1.171	10.9	0.0000	0.0000	FLOOD RISK	2.007	22	10.9	0.481	0.018	3.7404	
7200 minute winter	22	3600	9.542	1.542	14.0	8.7003	0.0000	FLOOD RISK	2.008	23	14.0	0.157	0.049	53.3017	
7200 minute winter	23	600	7.750	1.000	14.0	0.0000	0.0000	FLOOD RISK	2.009	24	14.0	0.117	0.071	0.2497	
7200 minute winter	24	3660	9.537	0.037	14.0	0.0000	0.0000	OK	2.010	24_OUT	14.0	2.148	0.011	0.0390	
7200 minute winter	24_OUT	7020	8.160	0.627	14.0	0.0000	0.0000	OK	Flow through pond	49	54.2	0.003	0.000	5787.3105	
7200 minute winter	25	3660	8.810	0.014	0.3	0.0087	0.0000	OK	3.000	26	0.3	0.311	0.017	0.0343	
7200 minute winter	26	3660	8.453	0.018	0.6	0.0255	0.0000	OK	3.001	27	0.5	0.398	0.029	0.0460	
									Infiltration		0.1				
7200 minute winter	27	3660	8.133	0.018	0.8	0.0292	0.0000	OK	3.002	28	0.6	0.487	0.029	0.0391	
									Infiltration		0.2				
7200 minute winter	28	3660	7.714	0.018	0.9	0.0244	0.0000	OK	3.003	29	0.8	0.587	0.032	0.0458	
									Infiltration		0.1				
7200 minute winter	29	3660	7.085	0.020	1.1	0.0230	0.0000	OK	3.004	30	1.0	0.728	0.035	0.0691	
									Infiltration		0.1				
7200 minute winter	30	3660	6.538	0.013	1.0	0.0016	0.0000	OK	3.005	31	1.0	0.137	0.000	0.1395	
7200 minute winter	31	3660	6.710	0.015	1.0	0.0018	0.0000	OK	3.006	32	0.9	0.052	0.000	0.2577	
									Infiltration		0.1				
7200 minute winter	32	3660	6.698	0.053	0.9	0.0064	0.0000	OK	3.007	33	0.0	0.000	0.000	0.2051	

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									Infiltration		0.3				
									Infiltration		0.6				
7200 minute winter	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002	
7200 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute winter	35	60	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute winter	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.0				
7200 minute winter	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003	
7200 minute winter	38	60	6.265	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
									Infiltration		0.0				
7200 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute winter	40	60	6.695	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute winter	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute winter	43	60	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002	
7200 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
7200 minute winter	46	60	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.1765	
									Infiltration		0.0				
7200 minute winter	47	7440	7.012	0.047	0.0	0.0056	0.0000	OK	3.022	48	0.0	-0.001	0.000	1.2839	
									Infiltration		0.0				
7200 minute winter	48	7440	7.012	0.217	0.2	0.0260	0.0000	OK	3.023	53	-0.2	-0.011	0.000	2.1976	
									Infiltration		0.2				
7200 minute winter	49	7140	8.153	0.153	60.3	2.1709	0.0000	SURCHARGED	Orifice	50	1.3				
									Infiltration		0.0				
7200 minute winter	50	7140	7.405	0.025	1.3	0.0000	0.0000	OK	4.001	51	1.3	0.733	0.058	0.0119	
7200 minute winter	51	7140	7.322	0.022	1.3	0.0000	0.0000	OK	4.002	52	1.3	0.792	0.044	0.0082	
7200 minute winter	52	7140	7.223	0.023	1.3	0.0000	0.0000	OK	4.003	53	1.3	0.762	0.050	0.0040	
7200 minute winter	53	7440	7.012	0.227	1.3	0.0272	0.0000	OK	3.024	54	0.8	0.095	0.000	3.5606	
									Infiltration		0.3				
7200 minute winter	54	7440	7.012	0.387	0.8	0.0464	0.0000	OK	3.025	54_OUT	0.4	0.010	0.000	8.3731	
									Infiltration		0.3				
7200 minute winter	54_OUT	7440	7.012	0.507	0.4	0.0608	0.0000	OK	Infiltration		0.4				
7200 minute winter	55	2280	8.458	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111	
7200 minute winter	56	2280	8.428	0.012	0.2	0.0148	0.0000	OK	5.001	57	0.3	0.182	0.012	0.0180	

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								Infiltration		0.0					
7200 minute winter	57	2280	8.327	0.017	0.3	0.0136	0.0000 OK	S.002	S8	0.2	0.177	0.027	0.0378		
								Infiltration		0.0					
7200 minute winter	58	2400	8.265	0.023	0.3	0.0328	0.0000 OK	S.003	S9	0.2	0.209	0.028	0.0224		
								Infiltration		0.1					
7200 minute winter	59	2280	8.217	0.012	0.3	0.0157	0.0000 OK	S.004	S0	0.2	0.041	0.000	0.3361		
								Infiltration		0.1					
7200 minute winter	60	3960	8.219	0.025	0.3	0.0087	0.0000 OK	S.005	S1	0.3	0.026	0.000	1.2742		
								Infiltration		0.1					
7200 minute winter	61	4020	8.210	0.074	0.4	0.0253	0.0000 OK	S.006	S2	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
7200 minute winter	62	2340	8.140	0.004	0.1	0.0013	0.0000 OK	S.007	S3	0.1	0.040	0.000	1.1175		
7200 minute winter	63	5040	7.894	0.058	0.2	0.0198	0.0000 OK	S.008	S3_OUT	0.1	0.014	0.000	1.4024		
								Infiltration		0.1					
7200 minute winter	63_OUT	5040	7.894	0.128	0.2	0.0438	0.0000 OK	Infiltration		0.2					
7200 minute winter	64	4200	6.357	0.172	0.1	0.0276	0.0000 OK	S.000	S5	0.1	0.024	0.000	1.4890		
7200 minute winter	65	4200	6.357	0.232	0.2	0.0371	0.0000 OK	S.001	S6	0.1	0.005	0.000	2.2361		
								Infiltration		0.1					
7200 minute winter	66	4200	6.357	0.264	0.2	0.0417	0.0000 OK	S.002	S7	0.0	0.002	0.000	1.3363		
								Infiltration		0.2					
7200 minute winter	67	4200	6.357	0.281	0.1	0.0438	0.0000 OK	S.003	S8	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
7200 minute winter	68	3120	6.079	0.003	0.1	0.0004	0.0000 OK	S.004	S9	0.1	0.009	0.000	2.1986		
7200 minute winter	69	4200	5.980	0.215	0.2	0.0345	0.0000 OK	S.005	S0	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
7200 minute winter	70	4200	5.794	0.038	0.1	0.0062	0.0000 OK	S.006	S1	0.1	0.014	0.000	0.3998		
7200 minute winter	71	4200	5.794	0.109	0.2	0.0174	0.0000 OK	S.007	S2	0.1	0.008	0.000	1.6267		
								Infiltration		0.1					
7200 minute winter	72	4200	5.794	0.109	0.2	0.0174	0.0000 OK	S.008	S3	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
7200 minute winter	73	4200	6.058	0.353	0.1	0.0565	0.0000 OK	S.009	S4	0.1	0.013	0.000	1.8020		
7200 minute winter	74	4200	6.058	0.353	0.2	0.0885	0.0000 OK	S.010	S5	0.1	0.019	0.000	2.0405		
								Infiltration		0.1					
7200 minute winter	75	4200	6.058	0.353	0.2	0.0565	0.0000 OK	S.011	S6	0.1	0.008	0.000	2.2384		
								Infiltration		0.1					
7200 minute winter	76	4200	6.058	0.423	0.2	0.0643	0.0000 OK	S.012	S6_OUT	0.1	0.001	0.000	2.3681		
								Infiltration		0.1					
7200 minute winter	76_OUT	4200	6.058	0.423	0.2	0.0677	0.0000 OK	Infiltration		0.1					

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Results for 100 year +30% 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 98.61%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	1	4360	9.556	0.256	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.006	-0.006	0.4853	
8640 minute summer	2	4360	9.557	0.307	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.013	-0.019	1.1264	
8640 minute summer	3	4320	9.557	0.407	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.015	-0.023	0.4986	
8640 minute summer	4	4320	9.557	0.457	0.5	0.0000	0.0000	FLOOD RISK	1.003	5	-0.5	-0.017	-0.023	0.8441	
8640 minute summer	5	4320	9.557	0.557	0.6	0.0000	0.0000	FLOOD RISK	1.004	6	-0.6	-0.018	-0.015	0.1621	
8640 minute summer	6	4320	9.557	0.657	3.6	5.4134	0.0000	FLOOD RISK	1.005	7	3.6	0.319	0.074	0.7796	
8640 minute summer	7	4320	9.556	0.806	5.7	3.2861	0.0000	FLOOD RISK	1.006	8	5.7	0.307	0.091	2.4923	
8640 minute summer	8	4320	9.556	1.006	9.8	6.9025	0.0000	FLOOD RISK	1.007	9	9.8	0.307	0.091	5.9230	
8640 minute summer	9	4360	9.555	1.205	16.6	11.7149	0.0000	FLOOD RISK	1.008	10	16.6	0.294	0.070	3.1360	
8640 minute summer	10	4360	9.554	1.254	17.9	2.2242	0.0000	FLOOD RISK	1.009	11	17.8	0.266	0.121	47.8613	
8640 minute summer	11	4360	9.550	1.550	17.9	0.0000	0.0000	FLOOD RISK	1.010	12	17.9	0.148	0.052	53.3278	
8640 minute summer	12	600	7.750	1.000	17.9	0.0000	0.0000	FLOOD RISK	1.011	13	17.9	0.148	0.091	0.2510	
8640 minute summer	13	4360	9.542	0.042	17.9	0.0000	0.0000	OK	1.012	13_OUT	17.9	2.320	0.014	0.0462	
8640 minute summer	13_OUT	8640	8.130	0.597	18.0	0.0000	0.0000	OK	Flow through pond	49	40.5	0.002	0.000	5491.4795	
8640 minute summer	14	4360	9.551	0.251	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.010	-0.005	0.8138	
8640 minute summer	15	4320	9.551	0.485	2.7	3.6824	0.0000	FLOOD RISK	2.001	16	2.7	0.277	0.056	0.9254	
8640 minute summer	16	4320	9.550	0.558	2.7	0.0000	0.0000	FLOOD RISK	2.002	17	2.7	0.294	0.055	0.6320	
8640 minute summer	17	4320	9.550	0.691	4.1	2.1442	0.0000	FLOOD RISK	2.003	18	4.1	0.283	0.052	1.8750	
8640 minute summer	18	4320	9.550	0.889	7.5	5.4853	0.0000	FLOOD RISK	2.004	19	7.5	0.295	0.060	5.4890	
8640 minute summer	19	4320	9.549	1.093	13.4	9.8594	0.0000	FLOOD RISK	2.005	20	13.4	0.288	0.068	4.0628	
8640 minute summer	20	4320	9.549	1.138	13.4	0.0000	0.0000	FLOOD RISK	2.006	21	13.4	0.401	0.068	3.4979	
8640 minute summer	21	4360	9.549	1.177	13.4	0.0000	0.0000	FLOOD RISK	2.007	22	13.4	0.430	0.022	3.7404	
8640 minute summer	22	4360	9.548	1.549	17.2	6.7276	0.0000	FLOOD RISK	2.008	23	17.2	0.101	0.080	53.3017	
8640 minute summer	23	660	7.750	1.000	17.2	0.0000	0.0000	FLOOD RISK	2.009	24	17.2	0.143	0.088	0.2510	
8640 minute summer	24	4360	9.541	0.041	17.2	0.0000	0.0000	OK	2.010	24_OUT	17.2	2.291	0.014	0.0450	
8640 minute summer	24_OUT	8640	8.130	0.596	18.9	0.0000	0.0000	OK	Flow through pond	49	40.5	0.002	0.000	5491.4795	
8640 minute summer	25	4200	8.818	0.014	0.3	0.0087	0.0000	OK	3.000	26	0.3	0.311	0.017	0.0343	
8640 minute summer	26	4200	8.453	0.018	0.6	0.0255	0.0000	OK	3.001	27	0.5	0.389	0.029	0.0460	
									Infiltration		0.1				
8640 minute summer	27	4200	8.133	0.018	0.8	0.0293	0.0000	OK	3.002	28	0.6	0.487	0.029	0.0391	
									Infiltration		0.2				
8640 minute summer	28	4200	7.714	0.018	0.9	0.0244	0.0000	OK	3.003	29	0.8	0.587	0.032	0.0468	
									Infiltration		0.1				
8640 minute summer	29	4200	7.065	0.020	1.1	0.0230	0.0000	OK	3.004	30	1.0	0.728	0.035	0.0091	
									Infiltration		0.1				
8640 minute summer	30	4260	6.839	0.014	1.1	0.0017	0.0000	OK	3.005	31	1.1	0.136	0.000	0.2538	
8640 minute summer	31	4500	6.727	0.032	1.2	0.0038	0.0000	OK	3.006	32	1.0	0.052	0.001	0.4443	
									Infiltration		0.2				
8640 minute summer	32	4500	6.726	0.681	1.1	0.0097	0.0000	OK	3.007	33	-0.1	-0.003	0.000	0.3357	

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								Infiltration		0.4					
								Infiltration		0.7					
8640 minute summer	33	4260	6.777	0.002	0.1	0.0003	0.0000 OK	3.008	34	0.0	0.000	0.000	0.0184		
8640 minute summer	34	4260	6.748	0.003	0.1	0.0004	0.0000 OK	3.009	35	0.1	0.055	0.000	0.0171		
								Infiltration		0.5					
8640 minute summer	35	4260	6.679	0.004	0.2	0.0004	0.0000 OK	3.010	36	0.2	0.012	0.000	0.2791		
								Infiltration		0.0					
8640 minute summer	36	4500	6.578	0.073	0.3	0.0083	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
8640 minute summer	37	4260	6.508	0.003	0.1	0.0003	0.0000 OK	3.012	38	0.1	0.006	0.000	0.5365		
8640 minute summer	38	4500	6.347	0.082	0.7	0.0098	0.0000 OK	3.013	39	-0.5	-0.030	0.000	0.3805		
								Infiltration		0.3					
								Infiltration		0.4					
8640 minute summer	39	4260	6.462	0.007	0.5	0.0009	0.0000 OK	3.014	40	-0.4	-0.130	0.000	0.0461		
								Infiltration		0.0					
8640 minute summer	40	4260	6.701	0.006	0.4	0.0007	0.0000 OK	3.015	41	-0.3	-0.116	0.000	0.0368		
								Infiltration		0.0					
8640 minute summer	41	4260	6.871	0.006	0.3	0.0007	0.0000 OK	3.016	42	-0.2	-0.097	0.000	0.0324		
								Infiltration		0.0					
8640 minute summer	42	4260	7.088	0.004	0.3	0.0005	0.0000 OK	3.017	43	-0.2	-0.084	0.000	0.0319		
								Infiltration		0.0					
8640 minute summer	43	4260	7.156	0.005	0.2	0.0006	0.0000 OK	3.018	44	-0.1	-0.031	0.000	0.0251		
								Infiltration		0.0					
8640 minute summer	44	4260	7.228	0.003	0.1	0.0003	0.0000 OK	3.019	45	0.0	0.023	0.000	0.0202		
8640 minute summer	45	4260	7.199	0.004	0.1	0.0005	0.0000 OK	3.020	46	0.1	0.059	0.000	0.0286		
								Infiltration		0.0					
8640 minute summer	46	4260	7.130	0.005	0.2	0.0005	0.0000 OK	3.021	47	0.2	0.087	0.000	0.0357		
								Infiltration		0.0					
8640 minute summer	47	4260	6.971	0.006	0.3	0.0007	0.0000 OK	3.022	48	0.3	0.058	0.000	0.8146		
								Infiltration		0.0					
8640 minute summer	48	8860	6.966	0.171	0.4	0.0205	0.0000 OK	3.023	50	0.4	0.065	0.001	1.6299		
								Infiltration		0.2					
8640 minute summer	49	8700	8.122	0.122	48.6	1.7255	0.0000 OK	Orifice	50	1.1					
								Infiltration		0.8					
8640 minute summer	50	8700	7.424	0.024	1.1	0.0000	0.0000 OK	4.001	51	1.1	0.703	0.052	0.0108		
8640 minute summer	51	8700	7.320	0.020	1.1	0.0000	0.0000 OK	4.002	52	1.1	0.750	0.039	0.0056		
8640 minute summer	52	8700	7.221	0.021	1.1	0.0000	0.0000 OK	4.003	53	1.1	0.731	0.043	0.0038		
8640 minute summer	53	8860	6.966	0.181	1.1	0.0217	0.0000 OK	3.024	54	0.7	0.112	0.000	2.8710		
								Infiltration		0.2					
8640 minute summer	54	8860	6.966	0.341	0.7	0.0409	0.0000 OK	3.025	54_OUT	0.5	0.013	0.000	5.4459		
								Infiltration		0.3					
8640 minute summer	54_OUT	8860	6.966	0.461	0.6	0.0553	0.0000 OK	Infiltration		0.4					
8640 minute summer	55	4320	8.463	0.017	0.2	0.0058	0.0000 OK	5.000	56	0.2	0.184	0.027	0.0182		
8640 minute summer	56	4320	8.433	0.017	0.4	0.0280	0.0000 OK	5.001	57	0.3	0.228	0.027	0.0312		

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								Infiltration		0.1					
8640 minute summer	57	4320	8.335	0.025	0.5	0.0250	0.0000OK	5.002	58	0.5	0.238	0.059	0.0854		
								Infiltration		0.1					
8640 minute summer	58	4440	8.274	0.029	0.7	0.0633	0.0000OK	5.003	59	0.5	0.250	0.071	0.1081		
								Infiltration		0.2					
8640 minute summer	59	4440	8.271	0.086	0.7	0.2941	0.0000OK	5.004	60	0.5	0.041	0.001	1.5104		
								Infiltration		0.3					
8640 minute summer	60	4440	8.271	0.086	0.7	0.0291	0.0000OK	5.005	61	0.3	0.026	0.000	3.0781		
								Infiltration		0.3					
8640 minute summer	61	4440	8.271	0.135	0.5	0.0457	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
8640 minute summer	62	4360	8.142	0.006	0.2	0.0018	0.0000OK	5.007	63	0.2	0.040	0.000	2.4148		
8640 minute summer	63	4440	7.952	0.116	0.4	0.0393	0.0000OK	5.008	63_OUT	0.1	0.014	0.000	2.4818		
								Infiltration		0.3					
8640 minute summer	63_OUT	4440	7.952	0.187	0.3	0.0635	0.0000OK	Infiltration		0.3					
8640 minute summer	64	4800	6.344	0.159	0.1	0.0255	0.0000OK	6.000	65	0.1	0.024	0.000	1.3991		
8640 minute summer	65	4800	6.344	0.219	0.2	0.0351	0.0000OK	6.001	66	0.1	0.005	0.000	2.0835		
								Infiltration		0.1					
8640 minute summer	66	4800	6.344	0.251	0.2	0.0397	0.0000OK	6.002	67	0.0	0.002	0.000	1.2518		
								Infiltration		0.2					
8640 minute summer	67	4800	6.344	0.288	0.1	0.0416	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
8640 minute summer	68	3960	6.079	0.003	0.1	0.0004	0.0000OK	6.004	69	0.1	0.009	0.000	2.1807		
8640 minute summer	69	4800	5.979	0.214	0.2	0.0343	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
8640 minute summer	70	4800	5.791	0.036	0.1	0.0057	0.0000OK	6.006	71	0.1	0.014	0.000	0.3823		
8640 minute summer	71	4800	5.791	0.106	0.2	0.0169	0.0000OK	6.007	72	0.1	0.006	0.000	1.5745		
								Infiltration		0.1					
8640 minute summer	72	4800	5.791	0.106	0.2	0.0169	0.0000OK	6.008	73	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
8640 minute summer	73	4800	6.032	0.327	0.1	0.0524	0.0000OK	6.009	74	0.1	0.013	0.000	1.6215		
8640 minute summer	74	4800	6.032	0.327	0.2	0.0524	0.0000OK	6.010	75	0.1	0.018	0.000	1.8362		
								Infiltration		0.1					
8640 minute summer	75	4800	6.032	0.327	0.2	0.0524	0.0000OK	6.011	76	0.1	0.006	0.000	2.0315		
								Infiltration		0.1					
8640 minute summer	76	4800	6.032	0.397	0.2	0.0604	0.0000OK	6.012	76_OUT	0.1	0.001	0.000	2.1635		
								Infiltration		0.1					
8640 minute summer	76_OUT	4800	6.032	0.397	0.2	0.0638	0.0000OK	Infiltration		0.1					

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Results for 100 year +30% 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 98.74%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	1	4260	9.544	0.244	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.011	-0.005	0.4653	
8640 minute winter	2	4260	9.544	0.294	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.016	-0.021	1.1284	
8640 minute winter	3	4380	9.544	0.394	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.047	-0.026	0.4986	
8640 minute winter	4	4380	9.544	0.444	0.6	0.0000	0.0000	FLOOD RISK	1.003	5	-0.6	-0.024	-0.026	0.8441	
8640 minute winter	5	4380	9.544	0.544	0.6	0.0000	0.0000	FLOOD RISK	1.004	6	-0.6	-0.021	-0.017	0.1621	
8640 minute winter	6	4260	9.544	0.644	2.7	5.3073	0.0000	FLOOD RISK	1.005	7	2.6	0.340	0.054	0.7796	
8640 minute winter	7	4260	9.544	0.794	4.1	3.2344	0.0000	FLOOD RISK	1.006	8	4.1	0.337	0.059	2.4923	
8640 minute winter	8	4380	9.543	0.993	7.1	6.8173	0.0000	FLOOD RISK	1.007	9	7.1	0.335	0.066	5.9236	
8640 minute winter	9	4440	9.543	1.193	12.0	11.5982	0.0000	FLOOD RISK	1.008	10	12.0	0.316	0.051	3.1380	
8640 minute winter	10	4440	9.543	1.243	12.9	2.2631	0.0000	FLOOD RISK	1.009	11	12.9	0.291	0.087	47.8613	
8640 minute winter	11	4260	9.540	1.540	12.9	0.0000	0.0000	FLOOD RISK	1.010	12	12.9	0.189	0.045	53.3278	
8640 minute winter	12	720	7.750	1.000	12.9	0.0000	0.0000	FLOOD RISK	1.011	13	12.9	0.168	0.066	8.2491	
8640 minute winter	13	4380	9.536	0.036	12.9	0.0000	0.0000	OK	1.012	13_OUT	12.9	2.093	0.010	0.0369	
8640 minute winter	13_OUT	8460	8.199	0.866	12.9	0.0000	0.0000	OK	Flow through pond	49	52.7	0.003	0.000	6151.3369	
8640 minute winter	14	4320	9.540	0.240	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.007	-0.007	0.8136	
8640 minute winter	15	4380	9.540	0.454	2.0	3.5015	0.0000	FLOOD RISK	2.001	16	2.0	0.301	0.041	0.9254	
8640 minute winter	16	4320	9.540	0.549	2.0	0.0000	0.0000	FLOOD RISK	2.002	17	2.0	0.320	0.041	0.6320	
8640 minute winter	17	4320	9.540	0.681	3.0	2.1153	0.0000	FLOOD RISK	2.003	18	3.0	0.323	0.038	1.8750	
8640 minute winter	18	4320	9.540	0.859	5.5	5.4034	0.0000	FLOOD RISK	2.004	19	5.5	0.332	0.044	5.4896	
8640 minute winter	19	4380	9.540	1.084	9.7	9.7725	0.0000	FLOOD RISK	2.005	20	9.7	0.317	0.049	4.0628	
8640 minute winter	20	4380	9.540	1.128	9.7	0.0000	0.0000	FLOOD RISK	2.006	21	9.7	0.427	0.049	3.4979	
8640 minute winter	21	4320	9.539	1.167	9.7	0.0000	0.0000	FLOOD RISK	2.007	22	9.7	0.463	0.015	3.7404	
8640 minute winter	22	4320	9.539	1.539	12.4	8.5870	0.0000	FLOOD RISK	2.008	23	12.4	0.150	0.043	53.3017	
8640 minute winter	23	720	7.750	1.000	12.4	0.0000	0.0000	FLOOD RISK	2.009	24	12.4	0.104	0.063	0.2491	
8640 minute winter	24	4380	9.535	0.035	12.4	0.0000	0.0000	OK	2.010	24_OUT	12.4	2.068	0.010	0.0359	
8640 minute winter	24_OUT	8460	8.199	0.866	12.4	0.0000	0.0000	OK	Flow through pond	49	52.7	0.003	0.000	6151.3369	
8640 minute winter	25	3480	8.807	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.282	0.011	0.0253	
8640 minute winter	26	3480	8.449	0.014	0.4	0.0183	0.0000	OK	3.001	27	0.3	0.351	0.018	0.0327	
									Infiltration		0.1				
8640 minute winter	27	3480	8.139	0.014	0.5	0.0206	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0273	
									Infiltration		0.1				
8640 minute winter	28	3480	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.503	0.019	0.0328	
									Infiltration		0.1				
8640 minute winter	29	3480	7.080	0.015	0.7	0.0182	0.0000	OK	3.004	30	0.6	0.625	0.021	0.0084	
									Infiltration		0.1				
8640 minute winter	30	3480	6.535	0.015	0.6	0.0012	0.0000	OK	3.005	31	0.6	0.113	0.000	0.1012	
8640 minute winter	31	3480	6.706	0.011	0.6	0.0013	0.0000	OK	3.006	32	0.5	0.052	0.000	0.1504	
									Infiltration		0.1				
8640 minute winter	32	3600	6.675	0.030	0.5	0.0037	0.0000	OK	3.007	33	0.0	0.000	0.000	0.1126	

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									Infiltration		0.1				
									Infiltration		0.4				
8640 minute winter	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002	
8640 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute winter	35	60	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute winter	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.0				
8640 minute winter	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003	
8640 minute winter	38	60	6.265	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
									Infiltration		0.0				
8640 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute winter	40	60	6.695	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute winter	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute winter	43	60	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002	
8640 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute winter	46	60	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.3896	
									Infiltration		0.0				
8640 minute winter	47	8880	7.059	0.094	0.1	0.0112	0.0000	OK	3.022	48	-0.1	-0.001	0.000	1.6256	
									Infiltration		0.1				
8640 minute winter	48	8880	7.059	0.264	0.3	0.0316	0.0000	OK	3.023	53	-0.3	-0.005	0.000	2.8376	
									Infiltration		0.2				
8640 minute winter	49	8580	8.192	0.192	57.6	2.7150	0.0000	SURCHARGED	Orifice	50	1.5				
									Infiltration		0.0				
8640 minute winter	50	8580	7.407	0.027	1.5	0.0000	0.0000	OK	4.001	51	1.5	0.760	0.067	0.0129	
8640 minute winter	51	8580	7.323	0.023	1.5	0.0000	0.0000	OK	4.002	52	1.5	0.823	0.050	0.0068	
8640 minute winter	52	8580	7.224	0.024	1.5	0.0000	0.0000	OK	4.003	53	1.5	0.791	0.055	0.0044	
8640 minute winter	53	8880	7.059	0.274	1.5	0.0328	0.0000	OK	3.024	54	0.8	0.160	0.000	4.3265	
									Infiltration		0.3				
8640 minute winter	54	8880	7.059	0.434	0.8	0.0520	0.0000	OK	3.025	54_OUT	0.5	0.019	0.000	7.3857	
									Infiltration		0.4				
8640 minute winter	54_OUT	8880	7.059	0.554	0.5	0.0664	0.0000	OK	Infiltration		0.5				
8640 minute winter	55	2880	8.458	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111	
8640 minute winter	56	2880	8.428	0.012	0.2	0.0148	0.0000	OK	5.001	57	0.2	0.182	0.012	0.0180	

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								Infiltration		0.0					
8640 minute winter	57	2880	8.327	0.017	0.3	0.0136	0.0000 OK	S.002	S8	0.2	0.177	0.027	0.0378		
								Infiltration		0.0					
8640 minute winter	58	3000	8.265	0.023	0.3	0.0226	0.0000 OK	S.003	S9	0.2	0.209	0.028	0.0224		
								Infiltration		0.1					
8640 minute winter	59	2880	8.217	0.012	0.3	0.0157	0.0000 OK	S.004	S0	0.2	0.041	0.000	0.3361		
								Infiltration		0.1					
8640 minute winter	60	4560	8.219	0.025	0.3	0.0087	0.0000 OK	S.005	S1	0.3	0.026	0.000	1.2742		
								Infiltration		0.1					
8640 minute winter	61	4620	8.210	0.074	0.4	0.0253	0.0000 OK	S.006	S2	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
8640 minute winter	62	2940	8.140	0.004	0.1	0.0013	0.0000 OK	S.007	S3	0.1	0.040	0.000	1.1175		
8640 minute winter	63	5880	7.894	0.058	0.2	0.0198	0.0000 OK	S.008	S3_OUT	0.1	0.014	0.000	1.4024		
								Infiltration		0.1					
8640 minute winter	63_OUT	5880	7.894	0.128	0.2	0.0439	0.0000 OK	Infiltration		0.2					
8640 minute winter	64	4740	6.335	0.150	0.1	0.0240	0.0000 OK	S.000	S5	0.1	0.024	0.000	1.2879		
8640 minute winter	65	4740	6.335	0.210	0.2	0.0336	0.0000 OK	S.001	S6	0.1	0.065	0.000	1.9798		
								Infiltration		0.1					
8640 minute winter	66	4740	6.335	0.242	0.2	0.0383	0.0000 OK	S.002	S7	0.0	0.001	0.000	1.1944		
								Infiltration		0.2					
8640 minute winter	67	4740	6.335	0.259	0.1	0.0402	0.0000 OK	S.003	S8	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
8640 minute winter	68	4020	6.079	0.003	0.1	0.0004	0.0000 OK	S.004	S9	0.1	0.009	0.000	2.1864		
8640 minute winter	69	4740	5.978	0.213	0.2	0.0341	0.0000 OK	S.005	S0	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
8640 minute winter	70	4740	5.788	0.033	0.1	0.0053	0.0000 OK	S.006	S1	0.1	0.014	0.000	0.3688		
8640 minute winter	71	4740	5.788	0.103	0.2	0.0165	0.0000 OK	S.007	S2	0.1	0.008	0.000	1.5346		
								Infiltration		0.1					
8640 minute winter	72	4740	5.788	0.103	0.2	0.0165	0.0000 OK	S.008	S3	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
8640 minute winter	73	4740	6.018	0.311	0.1	0.0497	0.0000 OK	S.009	S4	0.1	0.013	0.000	1.5076		
8640 minute winter	74	4740	6.015	0.311	0.2	0.0497	0.0000 OK	S.010	S5	0.1	0.019	0.000	1.7072		
								Infiltration		0.1					
8640 minute winter	75	4740	6.018	0.311	0.2	0.0497	0.0000 OK	S.011	S6	0.1	0.008	0.000	1.9008		
								Infiltration		0.1					
8640 minute winter	76	4740	6.015	0.381	0.2	0.0579	0.0000 OK	S.012	S6_OUT	0.1	0.001	0.000	2.0039		
								Infiltration		0.1					
8640 minute winter	76_OUT	4740	6.018	0.381	0.2	0.0609	0.0000 OK	Infiltration		0.1					

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Results for 100 year +30% 10080 minute summer, 10320 minute analysis at 60 minute timestep. Mass balance: 98.68%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	1	5040	9.553	0.253	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.004	-0.005	0.4653	
10080 minute summer	2	5100	9.553	0.303	0.3	0.0000	0.0000	FLOOD RISK	1.001	3	-0.3	-0.016	-0.014	1.1264	
10080 minute summer	3	5100	9.553	0.403	0.4	0.0000	0.0000	FLOOD RISK	1.002	4	-0.4	-0.016	-0.019	0.4985	
10080 minute summer	4	5100	9.553	0.453	0.5	0.0000	0.0000	FLOOD RISK	1.003	5	-0.5	-0.017	-0.023	0.8441	
10080 minute summer	5	5100	9.553	0.553	0.6	0.0000	0.0000	FLOOD RISK	1.004	6	-0.6	-0.018	-0.015	0.1621	
10080 minute summer	6	5040	9.553	0.653	3.3	5.3800	0.0000	FLOOD RISK	1.005	7	3.3	0.319	0.068	0.7795	
10080 minute summer	7	5040	9.552	0.802	5.2	3.2699	0.0000	FLOOD RISK	1.006	8	5.2	0.305	0.074	2.4823	
10080 minute summer	8	5100	9.552	1.002	9.0	6.8759	0.0000	FLOOD RISK	1.007	9	9.0	0.295	0.083	5.9230	
10080 minute summer	9	5040	9.551	1.201	15.2	11.6788	0.0000	FLOOD RISK	1.008	10	15.2	0.286	0.084	3.1360	
10080 minute summer	10	5040	9.551	1.251	16.4	2.2177	0.0000	FLOOD RISK	1.009	11	16.4	0.261	0.111	47.8613	
10080 minute summer	11	5040	9.547	1.547	16.4	0.0000	0.0000	FLOOD RISK	1.010	12	16.4	0.152	0.057	53.3278	
10080 minute summer	12	660	7.750	1.000	16.4	0.0000	0.0000	FLOOD RISK	1.011	13	16.4	0.137	0.054	0.2505	
10080 minute summer	13	5100	9.540	0.040	16.4	0.0000	0.0000	OK	1.012	13_OUT	16.4	2.255	0.013	0.0436	
10080 minute summer	13_OUT	10080	8.162	0.629	18.1	0.0000	0.0000	OK	Flow through pond	49	28.6	0.002	0.000	5796.3169	
10080 minute summer	14	5040	9.547	0.247	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.005	-0.005	0.8138	
10080 minute summer	15	5040	9.547	0.461	2.5	3.8565	0.0000	FLOOD RISK	2.001	16	2.5	0.277	0.052	0.9254	
10080 minute summer	16	5040	9.547	0.556	2.5	0.0000	0.0000	FLOOD RISK	2.002	17	2.5	0.291	0.051	0.6329	
10080 minute summer	17	5040	9.547	0.688	3.8	2.1344	0.0000	FLOOD RISK	2.003	18	3.8	0.271	0.049	1.8750	
10080 minute summer	18	5040	9.547	0.866	6.9	5.4458	0.0000	FLOOD RISK	2.004	19	6.9	0.384	0.055	5.4690	
10080 minute summer	19	5100	9.546	1.090	12.2	9.8317	0.0000	FLOOD RISK	2.005	20	12.2	0.272	0.062	4.0628	
10080 minute summer	20	5040	9.546	1.135	12.2	0.0000	0.0000	FLOOD RISK	2.006	21	12.2	0.383	0.062	3.4979	
10080 minute summer	21	5040	9.546	1.174	12.2	0.0000	0.0000	FLOOD RISK	2.007	22	12.2	0.415	0.020	3.7404	
10080 minute summer	22	5040	9.546	1.546	15.7	5.7148	0.0000	FLOOD RISK	2.008	23	15.7	0.103	0.055	53.3017	
10080 minute summer	23	660	7.750	1.000	15.7	0.0000	0.0000	FLOOD RISK	2.009	24	15.7	0.131	0.080	0.2504	
10080 minute summer	24	5100	9.539	0.039	15.7	0.0000	0.0000	OK	2.010	24_OUT	15.7	2.225	0.013	0.0422	
10080 minute summer	24_OUT	10080	8.162	0.629	20.2	0.0000	0.0000	OK	Flow through pond	49	28.6	0.002	0.000	5796.3169	
10080 minute summer	25	4980	8.810	0.014	0.3	0.0087	0.0000	OK	3.000	26	0.3	0.311	0.017	0.0343	
10080 minute summer	26	4980	8.453	0.018	0.8	0.0255	0.0000	OK	3.001	27	0.5	0.399	0.029	0.0469	
									Infiltration		0.1				
10080 minute summer	27	4980	8.133	0.018	0.8	0.0292	0.0000	OK	3.002	28	0.6	0.487	0.029	0.0391	
									Infiltration		0.2				
10080 minute summer	28	4980	7.714	0.019	0.9	0.0244	0.0000	OK	3.003	29	0.8	0.587	0.032	0.0468	
									Infiltration		0.1				
10080 minute summer	29	4980	7.085	0.020	1.1	0.0230	0.0000	OK	3.004	30	1.0	0.728	0.035	0.0091	
									Infiltration		0.1				
10080 minute summer	30	5040	5.839	0.014	1.1	0.0017	0.0000	OK	3.005	31	1.1	0.136	0.000	0.2338	
10080 minute summer	31	5160	6.727	0.032	1.2	0.0038	0.0000	OK	3.006	32	1.0	0.052	0.001	0.4443	
									Infiltration		0.2				
10080 minute summer	32	5160	6.726	0.081	1.1	0.0087	0.0000	OK	3.007	33	-0.1	-0.003	0.000	0.3357	

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								Infiltration		0.4					
								Infiltration		0.7					
10080 minute summer	33	5040	6.777	0.002	0.1	0.0003	0.0000 OK	3.008	34	0.0	0.000	0.000	0.0184		
10080 minute summer	34	5040	6.748	0.003	0.1	0.0004	0.0000 OK	3.009	35	0.1	0.055	0.000	0.0171		
								Infiltration		0.0					
10080 minute summer	35	5040	6.679	0.004	0.2	0.0004	0.0000 OK	3.010	36	0.2	0.012	0.000	0.2791		
								Infiltration		0.0					
10080 minute summer	36	5160	6.578	0.073	0.3	0.0083	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
10080 minute summer	37	5040	6.508	0.003	0.1	0.0003	0.0000 OK	3.012	38	0.1	0.006	0.000	0.5365		
10080 minute summer	38	5160	6.347	0.082	0.7	0.0093	0.0000 OK	3.013	39	-0.5	-0.030	0.000	0.3805		
								Infiltration		0.3					
								Infiltration		0.4					
10080 minute summer	39	5040	6.462	0.007	0.5	0.0009	0.0000 OK	3.014	40	-0.4	-0.130	0.000	0.0461		
								Infiltration		0.0					
10080 minute summer	40	5040	6.701	0.006	0.4	0.0007	0.0000 OK	3.015	41	-0.3	-0.116	0.000	0.0388		
								Infiltration		0.0					
10080 minute summer	41	5040	6.671	0.006	0.3	0.0007	0.0000 OK	3.016	42	-0.2	-0.097	0.000	0.0324		
								Infiltration		0.0					
10080 minute summer	42	5040	7.089	0.004	0.3	0.0005	0.0000 OK	3.017	43	-0.2	-0.084	0.000	0.0319		
								Infiltration		0.0					
10080 minute summer	43	5040	7.150	0.005	0.2	0.0006	0.0000 OK	3.018	44	-0.1	-0.031	0.000	0.0251		
								Infiltration		0.0					
10080 minute summer	44	5040	7.228	0.003	0.1	0.0003	0.0000 OK	3.019	45	0.0	0.023	0.000	0.0202		
10080 minute summer	45	5040	7.199	0.004	0.1	0.0005	0.0000 OK	3.020	46	0.1	0.059	0.000	0.0286		
								Infiltration		0.0					
10080 minute summer	46	5040	7.130	0.005	0.2	0.0005	0.0000 OK	3.021	47	0.2	0.087	0.000	0.1665		
								Infiltration		0.0					
10080 minute summer	47	10320	7.013	0.046	0.3	0.0053	0.0000 OK	3.022	48	0.3	0.058	0.000	1.3048		
								Infiltration		0.0					
10080 minute summer	48	10320	7.013	0.218	0.4	0.0262	0.0000 OK	3.023	53	0.4	0.065	0.001	2.2228		
								Infiltration		0.2					
10080 minute summer	49	10140	8.154	0.154	37.2	2.1848	0.0000 SURCHARGED	Orifice	50	1.3					
								Infiltration		0.0					
10080 minute summer	50	10140	7.425	0.025	1.3	0.0000	0.0000 OK	4.001	51	1.3	0.733	0.059	0.0119		
10080 minute summer	51	10140	7.322	0.022	1.3	0.0000	0.0000 OK	4.002	52	1.3	0.792	0.045	0.0062		
10080 minute summer	52	10140	7.223	0.023	1.3	0.0000	0.0000 OK	4.003	53	1.3	0.783	0.050	0.0040		
10080 minute summer	53	10320	7.013	0.228	1.3	0.0274	0.0000 OK	3.024	54	0.8	0.112	0.000	3.5907		
								Infiltration		0.3					
10080 minute summer	54	10320	7.013	0.388	0.8	0.0466	0.0000 OK	3.025	54_OUT	0.5	0.013	0.000	6.4132		
								Infiltration		0.3					
10080 minute summer	54_OUT	10320	7.013	0.508	0.6	0.0610	0.0000 OK	Infiltration		0.4					
10080 minute summer	55	5100	8.463	0.017	0.2	0.0058	0.0000 OK	5.000	56	0.2	0.154	0.027	0.0182		
10080 minute summer	56	5100	8.433	0.017	0.4	0.0280	0.0000 OK	5.001	57	0.3	0.228	0.027	0.0312		

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									Infiltration		0.1				
10080 minute summer	57	5100	8.335	0.025	0.5	0.0250	0.0000	OK	5.002	58	0.5	0.238	0.059	0.0627	
									Infiltration		0.1				
10080 minute summer	58	5040	8.272	0.027	0.7	0.0588	0.0000	OK	5.003	59	0.5	0.250	0.071	0.0704	
									Infiltration		0.2				
10080 minute summer	59	5100	8.248	0.043	0.7	0.1555	0.0000	OK	5.004	60	0.5	0.041	0.001	1.0230	
									Infiltration		0.2				
10080 minute summer	60	5100	8.248	0.063	0.7	0.0214	0.0000	OK	5.005	61	0.3	0.026	0.000	2.3639	
									Infiltration		0.3				
10080 minute summer	61	5100	8.248	0.112	0.5	0.0381	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000	
									Infiltration		0.4				
10080 minute summer	62	5100	8.142	0.008	0.2	0.0019	0.0000	OK	5.007	63	0.2	0.040	0.000	1.8805	
10080 minute summer	63	5160	7.930	0.094	0.4	0.0318	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	2.0398	
									Infiltration		0.2				
10080 minute summer	63_OUT	5160	7.930	0.165	0.3	0.0560	0.0000	OK	Infiltration		0.2				
10080 minute summer	64	5460	5.335	0.150	0.1	0.0240	0.0000	OK	5.000	65	0.1	0.024	0.000	1.2579	
10080 minute summer	65	5460	5.335	0.210	0.2	0.0336	0.0000	OK	5.001	66	0.1	0.005	0.000	1.9798	
									Infiltration		0.1				
10080 minute summer	66	5460	5.335	0.242	0.2	0.0383	0.0000	OK	5.002	67	0.0	0.001	0.000	1.1944	
									Infiltration		0.2				
10080 minute summer	67	5460	5.335	0.258	0.1	0.0402	0.0000	OK	5.003	68	0.0	0.000	0.000	0.0000	
									Infiltration		0.1				
10080 minute summer	68	4740	5.079	0.003	0.1	0.0004	0.0000	OK	5.004	69	0.1	0.009	0.000	2.1564	
10080 minute summer	69	5460	5.078	0.213	0.2	0.0341	0.0000	OK	5.005	70	0.0	0.000	0.000	0.0000	
									Infiltration		0.2				
10080 minute summer	70	5460	5.788	0.033	0.1	0.0053	0.0000	OK	5.006	71	0.1	0.014	0.000	0.3688	
10080 minute summer	71	5460	5.786	0.103	0.2	0.0165	0.0000	OK	5.007	72	0.1	0.006	0.000	1.5346	
									Infiltration		0.1				
10080 minute summer	72	5460	5.788	0.103	0.2	0.0165	0.0000	OK	5.008	73	0.0	0.000	0.000	0.0000	
									Infiltration		0.2				
10080 minute summer	73	5460	5.016	0.311	0.1	0.0497	0.0000	OK	5.009	74	0.1	0.013	0.000	1.5078	
10080 minute summer	74	5460	5.018	0.311	0.2	0.0497	0.0000	OK	5.010	75	0.1	0.019	0.000	1.7072	
									Infiltration		0.1				
10080 minute summer	75	5460	5.016	0.311	0.2	0.0497	0.0000	OK	5.011	76	0.1	0.006	0.000	1.9508	
									Infiltration		0.1				
10080 minute summer	76	5460	5.018	0.381	0.2	0.0579	0.0000	OK	5.012	76_OUT	0.1	0.001	0.000	2.0339	
									Infiltration		0.1				
10080 minute summer	76_OUT	5460	5.016	0.381	0.2	0.0609	0.0000	OK	Infiltration		0.1				

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ARUN DISTRICT COUNCIL Y/92/18/DOC

Results for 100 year +30% 10080 minute winter, 10320 minute analysis at 60 minute timestep. Mass balance: 98.80%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	1	5100	9.541	0.241	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.008	-0.005	0.4653	
10080 minute winter	2	5100	9.541	0.291	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.013	-0.019	1.1284	
10080 minute winter	3	5040	9.542	0.392	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.020	-0.022	0.4988	
10080 minute winter	4	5040	9.542	0.442	0.5	0.0000	0.0000	FLOOD RISK	1.003	5	-0.5	-0.018	-0.020	0.8441	
10080 minute winter	5	5160	9.541	0.541	0.6	0.0000	0.0000	FLOOD RISK	1.004	6	-0.6	-0.024	-0.015	0.1621	
10080 minute winter	6	5100	9.541	0.641	2.4	5.2849	0.0000	FLOOD RISK	1.005	7	2.4	0.319	0.049	0.7795	
10080 minute winter	7	4980	9.541	0.791	3.8	3.2235	0.0000	FLOOD RISK	1.006	8	3.8	0.307	0.054	2.4923	
10080 minute winter	8	4980	9.541	0.891	6.5	6.7998	0.0000	FLOOD RISK	1.007	9	6.5	0.318	0.060	5.9230	
10080 minute winter	9	4980	9.540	1.190	11.0	11.5740	0.0000	FLOOD RISK	1.008	10	11.0	0.308	0.046	3.1360	
10080 minute winter	10	4980	9.540	1.240	11.8	2.1988	0.0000	FLOOD RISK	1.009	11	11.8	0.263	0.060	47.8613	
10080 minute winter	11	4980	9.538	1.538	11.8	0.0000	0.0000	FLOOD RISK	1.010	12	11.8	0.146	0.041	53.3278	
10080 minute winter	12	780	7.750	1.000	11.8	0.0000	0.0000	FLOOD RISK	1.011	13	11.8	0.099	0.060	0.2486	
10080 minute winter	13	5040	9.534	0.034	11.8	0.0000	0.0000	OK	1.012	13_OUT	11.8	2.037	0.010	0.0347	
10080 minute winter	13_OUT	9780	8.234	0.701	24.6	0.0000	0.0000	OK	Flow through pond	49	33.2	0.002	0.000	8483.1851	
10080 minute winter	14	5040	9.538	0.238	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.008	-0.005	0.8136	
10080 minute winter	15	5100	9.538	0.452	1.8	3.5834	0.0000	FLOOD RISK	2.001	16	1.8	0.277	0.037	0.9254	
10080 minute winter	16	5100	9.538	0.547	1.8	0.0000	0.0000	FLOOD RISK	2.002	17	1.8	0.284	0.037	0.8320	
10080 minute winter	17	5040	9.538	0.679	2.7	2.1964	0.0000	FLOOD RISK	2.003	18	2.7	0.305	0.035	1.8750	
10080 minute winter	18	5040	9.538	0.857	4.9	5.3895	0.0000	FLOOD RISK	2.004	19	4.9	0.322	0.039	5.4890	
10080 minute winter	19	5100	9.538	1.082	8.8	9.7530	0.0000	FLOOD RISK	2.005	20	8.8	0.311	0.045	4.0626	
10080 minute winter	20	5100	9.537	1.126	8.8	0.0000	0.0000	FLOOD RISK	2.006	21	8.8	0.427	0.044	3.4979	
10080 minute winter	21	5040	9.537	1.165	8.8	0.0000	0.0000	FLOOD RISK	2.007	22	8.8	0.452	0.015	3.7404	
10080 minute winter	22	5040	9.537	1.537	11.3	6.6779	0.0000	FLOOD RISK	2.008	23	11.3	0.179	0.039	53.3017	
10080 minute winter	23	780	7.750	1.000	11.3	0.0000	0.0000	FLOOD RISK	2.009	24	11.3	0.095	0.058	0.2486	
10080 minute winter	24	5100	9.534	0.034	11.3	0.0000	0.0000	OK	2.010	24_OUT	11.3	2.010	0.009	0.0337	
10080 minute winter	24_OUT	9780	8.234	0.791	14.8	0.0000	0.0000	OK	Flow through pond	49	33.2	0.002	0.000	8483.1851	
10080 minute winter	25	4140	8.867	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.282	0.011	0.0253	
10080 minute winter	26	4140	8.449	0.014	0.4	0.0183	0.0000	OK	3.001	27	0.3	0.351	0.018	0.0327	
									Infiltration		0.1				
10080 minute winter	27	4140	8.128	0.014	0.5	0.0260	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0273	
									Infiltration		0.1				
10080 minute winter	28	4140	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.503	0.018	0.0328	
									Infiltration		0.1				
10080 minute winter	29	4140	7.080	0.015	0.7	0.0162	0.0000	OK	3.004	30	0.6	0.628	0.021	0.0084	
									Infiltration		0.1				
10080 minute winter	30	4140	6.835	0.010	0.6	0.0012	0.0000	OK	3.005	31	0.5	0.113	0.000	0.1012	
10080 minute winter	31	4140	6.706	0.011	0.6	0.0013	0.0000	OK	3.006	32	0.5	0.052	0.000	0.1504	
									Infiltration		0.1				
10080 minute winter	32	4080	6.675	0.030	0.5	0.0037	0.0000	OK	3.007	33	0.0	0.000	0.000	0.1128	

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								Infiltration		0.1					
								Infiltration		0.4					
10080 minute winter	33	60	6.775	0.000	0.0	0.0000	0.0000 OK	3.008	34	0.0	0.000	0.000	0.0002		
10080 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000 OK	3.009	35	0.0	0.000	0.000	0.0002		
								Infiltration		0.0					
10080 minute winter	35	60	6.675	0.000	0.0	0.0000	0.0000 OK	3.010	36	0.0	0.000	0.000	0.0002		
								Infiltration		0.0					
10080 minute winter	36	60	6.595	0.000	0.0	0.0000	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000		
								Infiltration		0.0					
10080 minute winter	37	60	6.595	0.000	0.0	0.0000	0.0000 OK	3.012	38	0.0	0.000	0.000	0.0003		
10080 minute winter	38	60	6.265	0.000	0.0	0.0000	0.0000 OK	3.013	39	0.0	0.000	0.000	0.0002		
								Infiltration		0.0					
								Infiltration		0.0					
10080 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000 OK	3.014	40	0.0	0.000	0.000	0.0002		
								Infiltration		0.0					
10080 minute winter	40	60	6.695	0.000	0.0	0.0000	0.0000 OK	3.015	41	0.0	0.000	0.000	0.0002		
								Infiltration		0.0					
10080 minute winter	41	60	6.865	0.000	0.0	0.0000	0.0000 OK	3.016	42	0.0	0.000	0.000	0.0002		
								Infiltration		0.0					
10080 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000 OK	3.017	43	0.0	0.000	0.000	0.0002		
								Infiltration		0.0					
10080 minute winter	43	60	7.145	0.000	0.0	0.0000	0.0000 OK	3.018	44	0.0	0.000	0.000	0.0002		
								Infiltration		0.0					
10080 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000 OK	3.019	45	0.0	0.000	0.000	0.0002		
10080 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000 OK	3.020	46	0.0	0.000	0.000	0.0002		
								Infiltration		0.0					
10080 minute winter	46	60	7.125	0.000	0.0	0.0000	0.0000 OK	3.021	47	0.0	0.000	0.000	0.5795		
								Infiltration		0.0					
10080 minute winter	47	10260	7.096	0.131	0.1	0.0157	0.0000 OK	3.022	48	-0.1	-0.001	0.000	2.3011		
								Infiltration		0.1					
10080 minute winter	48	10260	7.096	0.301	0.4	0.0361	0.0000 OK	3.023	50	-0.4	-0.012	-0.001	3.3698		
								Infiltration		0.3					
10080 minute winter	49	9960	8.227	0.227	39.0	3.2155	0.0000 SURCHARGED	Office	50	1.8					
								Infiltration		0.0					
10080 minute winter	50	9900	7.428	0.028	1.8	0.0000	0.0000 OK	4.001	51	1.8	0.783	0.074	0.0138		
10080 minute winter	51	9900	7.324	0.024	1.8	0.0000	0.0000 OK	4.002	52	1.8	0.848	0.055	0.0072		
10080 minute winter	52	9900	7.225	0.025	1.5	0.0000	0.0000 OK	4.003	53	1.5	0.813	0.052	0.0047		
10080 minute winter	53	10260	7.096	0.311	1.5	0.0373	0.0000 OK	3.024	54	0.9	0.088	0.000	4.9797		
								Infiltration		0.3					
10080 minute winter	54	10260	7.096	0.471	0.9	0.0565	0.0000 OK	3.025	54_OUT	0.5	0.014	0.000	8.2379		
								Infiltration		0.4					
10080 minute winter	54_OUT	10260	7.096	0.591	0.5	0.0709	0.0000 OK	Infiltration		0.5					
10080 minute winter	55	3480	8.459	0.013	0.1	0.0043	0.0000 OK	5.000	56	0.1	0.150	0.014	0.0111		
10080 minute winter	56	3480	8.428	0.012	0.2	0.0148	0.0000 OK	5.001	57	0.2	0.162	0.012	0.0180		

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									Infiltration		0.0				
10080 minute winter	57	3480	8.327	0.017	0.3	0.0136	0.0000	OK	5.002	58	0.2	0.177	0.027	0.0378	
									Infiltration		0.0				
10080 minute winter	58	3600	8.285	0.020	0.3	0.0326	0.0000	OK	5.003	59	0.2	0.209	0.028	0.0224	
									Infiltration		0.1				
10080 minute winter	59	3480	8.217	0.012	0.3	0.0157	0.0000	OK	5.004	60	0.2	0.041	0.000	0.3361	
									Infiltration		0.1				
10080 minute winter	60	5160	8.210	0.025	0.3	0.0087	0.0000	OK	5.005	61	0.3	0.026	0.000	1.2742	
									Infiltration		0.1				
10080 minute winter	61	5220	8.210	0.074	0.4	0.0253	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000	
									Infiltration		0.3				
10080 minute winter	62	3540	8.140	0.004	0.1	0.0013	0.0000	OK	5.007	63	0.1	0.040	0.000	1.1175	
10080 minute winter	63	6720	7.894	0.058	0.2	0.0198	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	1.4024	
									Infiltration		0.1				
10080 minute winter	63_OUT	6480	7.894	0.129	0.2	0.0439	0.0000	OK	Infiltration		0.2				
10080 minute winter	64	5220	6.286	0.031	0.1	0.0130	0.0000	OK	6.000	65	0.1	0.024	0.000	0.7161	
10080 minute winter	65	5220	6.286	0.141	0.2	0.0226	0.0000	OK	6.001	66	0.1	0.005	0.000	1.2461	
									Infiltration		0.1				
10080 minute winter	66	5220	6.286	0.173	0.2	0.0274	0.0000	OK	6.002	67	0.0	0.002	0.000	0.7861	
									Infiltration		0.1				
10080 minute winter	67	5220	6.268	0.190	0.1	0.0295	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000	
									Infiltration		0.1				
10080 minute winter	68	4980	6.079	0.003	0.1	0.0004	0.0000	OK	6.004	69	0.1	0.009	0.000	1.7932	
10080 minute winter	69	5220	5.948	0.184	0.2	0.0294	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000	
									Infiltration		0.2				
10080 minute winter	70	5220	5.767	0.012	0.1	0.0020	0.0000	OK	6.006	71	0.1	0.014	0.000	0.2500	
10080 minute winter	71	5220	5.767	0.082	0.2	0.0132	0.0000	OK	6.007	72	0.1	0.006	0.000	1.1608	
									Infiltration		0.1				
10080 minute winter	72	5220	5.767	0.082	0.2	0.0132	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000	
									Infiltration		0.2				
10080 minute winter	73	5220	5.900	0.195	0.1	0.0311	0.0000	OK	6.009	74	0.1	0.013	0.000	0.8088	
10080 minute winter	74	5220	5.900	0.195	0.2	0.0311	0.0000	OK	6.010	75	0.1	0.019	0.000	0.8157	
									Infiltration		0.1				
10080 minute winter	75	5220	5.900	0.195	0.2	0.0311	0.0000	OK	6.011	76	0.1	0.006	0.000	1.0922	
									Infiltration		0.1				
10080 minute winter	76	5220	5.900	0.265	0.2	0.0402	0.0000	OK	6.012	76_OUT	0.1	0.001	0.000	1.2269	
									Infiltration		0.1				
10080 minute winter	76_OUT	5220	5.900	0.265	0.2	0.0423	0.0000	OK	Infiltration		0.1				

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Results for 1000 year 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 95.67%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	1	10	9.800	0.500	27.9	0.0000	0.0000	FLOOD RISK	1.000	2	-27.9	-0.925	-1.275	0.4653	
15 minute summer	2	10	9.800	0.550	33.5	0.0000	0.0000	FLOOD RISK	1.001	3	-33.5	-1.070	-1.664	1.1254	
15 minute summer	3	9	9.800	0.650	48.6	0.0000	0.0000	FLOOD RISK	1.002	4	-48.6	-1.554	-2.299	0.4858	
15 minute summer	4	9	9.800	0.750	65.9	0.0000	0.0000	FLOOD RISK	1.003	5	-65.9	-2.106	-2.862	0.8441	
15 minute summer	5	8	9.800	0.800	85.5	0.0000	0.0000	FLOOD RISK	1.004	6	-85.5	-2.733	-2.287	0.1621	
15 minute summer	6	8	9.800	0.900	249.3	49.9395	0.0000	FLOOD RISK	1.005	7	106.4	2.175	2.195	0.7796	
15 minute summer	7	8	9.800	1.050	182.3	25.0709	0.0000	FLOOD RISK	1.006	8	141.5	1.818	2.016	2.4923	
15 minute summer	8	8	9.800	1.250	373.5	42.5027	0.0000	FLOOD RISK	1.007	9	282.6	2.088	2.428	5.9230	
15 minute summer	9	9	9.800	1.450	722.1	59.5622	0.0000	FLOOD RISK	1.008	10	574.4	2.837	2.423	3.1360	
15 minute summer	10	9	9.800	1.500	661.0	10.7423	0.0000	FLOOD RISK	1.009	11	429.3	2.236	2.905	47.8613	
15 minute summer	11	11	9.800	1.800	429.3	0.0000	0.0000	FLOOD RISK	1.010	12	401.1	2.051	1.393	53.3278	
15 minute summer	12	11	7.750	1.000	401.1	0.0000	0.0000	FLOOD RISK	1.011	13	556.6	3.698	2.831	0.3798	
15 minute summer	13	16	9.778	0.278	556.6	0.0000	0.0000	OK	1.012	13_OUT	479.2	7.524	0.387	0.5354	
15 minute summer	13_OUT	14	8.472	0.939	479.2	0.0000	0.0000	OK	Flow through pond	49	833.1	0.119	0.000	1015.6294	
15 minute summer	14	8	9.800	0.500	26.7	0.0000	0.0000	FLOOD RISK	2.000	15	-26.7	-0.853	-0.885	0.8136	
15 minute summer	15	9	9.800	0.714	245.8	51.0395	0.0000	FLOOD RISK	2.001	16	99.8	2.040	2.058	0.9254	
15 minute summer	16	9	9.800	0.809	99.8	0.0000	0.0000	FLOOD RISK	2.002	17	109.6	2.241	2.224	0.5320	
15 minute summer	17	9	9.800	0.941	168.4	19.8268	0.0000	FLOOD RISK	2.003	18	147.0	1.868	1.881	1.8750	
15 minute summer	18	9	9.800	1.119	247.6	40.4554	0.0000	FLOOD RISK	2.004	19	237.1	1.894	1.883	5.4890	
15 minute summer	19	9	9.800	1.344	484.3	56.9922	0.0000	FLOOD RISK	2.005	20	408.7	2.099	2.073	4.0628	
15 minute summer	20	8	9.800	1.389	408.7	0.0000	0.0000	FLOOD RISK	2.006	21	415.8	2.298	2.102	3.4979	
15 minute summer	21	8	9.800	1.428	415.8	0.0000	0.0000	FLOOD RISK	2.007	22	422.9	2.152	0.710	3.7404	
15 minute summer	22	8	9.800	1.800	563.5	27.0735	0.0000	FLOOD RISK	2.008	23	544.1	2.782	1.889	53.3017	
15 minute summer	23	8	7.750	1.000	544.1	0.0000	0.0000	FLOOD RISK	2.009	24	544.1	3.332	2.771	0.3639	
15 minute summer	24	10	8.752	0.252	544.1	0.0000	0.0000	OK	2.010	24_OUT	544.2	6.260	0.440	0.5168	
15 minute summer	24_OUT	13	8.871	1.337	544.2	0.0000	0.0000	OK	Flow through pond	49	833.1	0.119	0.000	1015.6294	
15 minute summer	25	11	9.212	0.416	20.9	0.2662	0.0000	SURCHARGED	3.000	26	19.3	1.696	1.076	0.6227	
15 minute summer	26	13	8.784	0.349	39.3	5.8831	0.0000	SURCHARGED	3.001	27	16.3	0.958	1.029	0.7026	
									Infiltration		3.6				
15 minute summer	27	15	8.405	0.290	36.7	5.1158	0.0000	SURCHARGED	3.002	28	19.6	1.189	0.970	0.5744	
									Infiltration		3.7				
15 minute summer	28	14	8.031	0.336	38.7	4.3714	0.0000	SURCHARGED	3.003	29	23.2	1.321	0.985	0.6315	
									Infiltration		2.8				
15 minute summer	29	12	7.384	0.319	42.5	2.9409	0.0000	SURCHARGED	3.004	30	33.4	1.896	1.200	0.1195	
									Infiltration		2.2				
15 minute summer	30	27	7.120	0.295	36.5	0.0354	0.0000	OK	3.005	31	34.8	0.378	0.014	6.1554	
15 minute summer	31	27	7.121	0.426	38.3	0.0512	0.0000	OK	3.006	32	31.5	0.240	0.018	5.9890	
									Infiltration		2.3				

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15 minute summer	32	27	7.122	0.477	35.2	0.0572	0.0000	OK	3.007	33	27.8	0.198	0.019	5.2862
									Infiltration		1.8			
									Infiltration		1.9			
15 minute summer	33	27	7.122	0.347	31.5	0.0416	0.0000	OK	3.008	34	27.0	0.391	0.019	4.1196
15 minute summer	34	27	7.121	0.376	30.9	0.0451	0.0000	OK	3.009	35	21.3	0.372	0.009	3.7134
									Infiltration		1.5			
15 minute summer	35	27	7.123	0.448	25.2	0.0538	0.0000	OK	3.010	36	9.4	0.093	0.003	7.1253
									Infiltration		1.3			
15 minute summer	36	27	7.120	0.515	18.4	0.0702	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		2.0			
15 minute summer	37	18	6.659	0.154	11.2	0.0185	0.0000	OK	3.012	38	-6.1	0.083	-0.003	4.9695
15 minute summer	38	18	6.659	0.394	21.1	0.0473	0.0000	OK	3.013	39	-16.0	-0.190	-0.011	3.4857
									Infiltration		1.5			
									Infiltration		2.2			
15 minute summer	39	17	6.660	0.205	20.5	0.0246	0.0000	OK	3.014	40	-15.8	-0.479	-0.011	1.0810
									Infiltration		0.7			
15 minute summer	40	11	6.749	0.054	17.0	0.0065	0.0000	OK	3.015	41	-13.3	-0.457	-0.009	0.3794
									Infiltration		0.0			
15 minute summer	41	11	6.916	0.051	13.3	0.0061	0.0000	OK	3.016	42	-9.6	-0.393	-0.006	0.3189
									Infiltration		0.0			
15 minute summer	42	11	7.124	0.039	9.7	0.0047	0.0000	OK	3.017	43	-6.0	-0.281	-0.004	0.3030
									Infiltration		0.1			
15 minute summer	43	11	7.191	0.046	6.2	0.0055	0.0000	OK	3.018	44	-2.3	-0.129	-0.002	0.2337
									Infiltration		0.1			
15 minute summer	44	16	7.247	0.022	3.9	0.0027	0.0000	OK	3.019	45	1.5	0.093	0.001	0.1922
15 minute summer	45	11	7.233	0.038	5.4	0.0045	0.0000	OK	3.020	46	5.1	0.240	0.002	0.2792
									Infiltration		0.1			
15 minute summer	46	11	7.188	0.041	8.8	0.0050	0.0000	OK	3.021	47	8.8	0.350	0.003	0.3509
									Infiltration		0.1			
15 minute summer	47	11	7.015	0.050	12.5	0.0060	0.0000	OK	3.022	48	12.4	0.277	0.004	0.8298
									Infiltration		0.0			
15 minute summer	48	20	6.960	0.166	16.1	0.0198	0.0000	OK	3.023	53	15.5	0.312	0.020	1.5685
									Infiltration		0.2			
15 minute summer	49	83	7.638	-0.362	888.0	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
15 minute summer	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
15 minute summer	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
15 minute summer	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
15 minute summer	53	19	6.981	0.176	19.2	0.0211	0.0000	OK	3.024	54	17.6	0.322	0.008	2.7872
									Infiltration		0.2			
15 minute summer	54	19	6.958	0.334	21.3	0.0401	0.0000	OK	3.025	54_OUT	11.8	0.097	0.004	5.3478
									Infiltration		0.3			
15 minute summer	54_OUT	20	6.962	0.457	15.5	0.0549	0.0000	OK	Infiltration		0.4			

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15 minute summer	55	13	8.933	0.467	11.1	0.1655	0.0000	SURCHARGED	5.000	56	9.2	0.523	1.245	0.2949
15 minute summer	56	13	8.917	0.501	20.3	2.5222	0.0000	SURCHARGED	5.001	57	11.7	0.663	0.931	0.3709
									Infiltration		0.4			
15 minute summer	57	14	8.831	0.521	22.9	3.0220	0.0000	SURCHARGED	5.002	58	13.9	0.790	1.735	0.5482
									Infiltration		0.5			
15 minute summer	58	15	8.631	0.366	23.4	3.2549	0.0000	SURCHARGED	5.003	59	15.5	0.879	2.085	0.3906
									Infiltration		0.6			
15 minute summer	59	28	8.514	0.309	25.6	1.9087	0.0000	OK	5.004	60	17.1	0.218	0.024	9.0406
									Infiltration		0.4			
15 minute summer	60	26	8.514	0.329	28.2	0.1118	0.0000	OK	5.005	61	4.8	0.080	0.005	13.7271
									Infiltration		0.5			
15 minute summer	61	26	8.514	0.378	15.2	0.1254	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.8			
15 minute summer	62	11	8.195	0.059	11.1	0.0290	0.0000	OK	5.007	63	10.0	0.173	0.005	7.3855
15 minute summer	63	21	8.115	0.279	23.7	0.0948	0.0000	OK	5.008	63_OUT	-4.3	-0.075	-0.003	6.3553
									Infiltration		0.6			
15 minute summer	63_OUT	20	8.115	0.350	11.1	0.1191	0.0000	OK	Infiltration		0.4			
15 minute summer	64	20	6.438	0.254	5.2	0.0406	0.0000	OK	6.000	65	3.0	0.112	0.001	2.3219
15 minute summer	65	20	6.437	0.312	8.9	0.0499	0.0000	OK	6.001	66	-2.2	0.085	-0.001	3.2768
									Infiltration		0.2			
15 minute summer	66	19	6.438	0.345	8.9	0.0545	0.0000	OK	6.002	67	-2.0	0.037	-0.001	1.9131
									Infiltration		0.2			
15 minute summer	67	19	6.438	0.382	5.2	0.0561	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
15 minute summer	68	19	6.108	0.033	5.2	0.0052	0.0000	OK	6.004	69	5.1	0.091	0.002	4.3184
15 minute summer	69	21	6.108	0.343	10.2	0.0548	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
15 minute summer	70	19	5.929	0.174	5.2	0.0278	0.0000	OK	6.006	71	3.7	0.121	0.001	1.3748
15 minute summer	71	19	5.928	0.244	8.9	0.0391	0.0000	OK	6.007	72	1.5	0.031	0.001	4.4713
									Infiltration		0.1			
15 minute summer	72	20	5.930	0.245	6.6	0.0392	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
15 minute summer	73	20	6.078	0.371	5.2	0.0594	0.0000	OK	6.009	74	3.0	0.058	0.002	1.9371
15 minute summer	74	20	6.077	0.372	8.9	0.0595	0.0000	OK	6.010	75	2.4	0.128	0.002	2.1950
									Infiltration		0.1			
15 minute summer	75	20	6.077	0.372	7.4	0.0595	0.0000	OK	6.011	76	-2.1	0.094	-0.001	2.3923
									Infiltration		0.1			
15 minute summer	76	19	6.076	0.441	7.2	0.0671	0.0000	OK	6.012	76_OUT	-2.2	-0.016	-0.001	2.5258
									Infiltration		0.1			
15 minute summer	76_OUT	19	6.077	0.442	5.2	0.0707	0.0000	OK	Infiltration		0.1			

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Results for 1000 year 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 98.12%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	1	9	9.800	0.500	17.9	0.0000	0.0000	FLOOD RISK	1.000	2	-17.9	-0.572	-0.818	0.4853	
15 minute winter	2	9	9.800	0.550	35.7	0.0000	0.0000	FLOOD RISK	1.001	3	-35.7	-1.142	-1.797	1.1264	
15 minute winter	3	9	9.800	0.650	53.2	0.0000	0.0000	FLOOD RISK	1.002	4	-53.2	-1.700	-2.515	0.4988	
15 minute winter	4	8	9.800	0.700	72.4	0.0000	0.0000	FLOOD RISK	1.003	5	-72.4	-2.313	-3.143	0.8441	
15 minute winter	5	8	9.800	0.800	92.5	0.0000	0.0000	FLOOD RISK	1.004	6	-92.5	-2.955	-2.473	0.1621	
15 minute winter	6	8	9.800	0.900	263.9	58.8231	0.0000	FLOOD RISK	1.005	7	119.8	2.450	2.472	0.7798	
15 minute winter	7	8	9.800	1.050	171.1	29.5111	0.0000	FLOOD RISK	1.006	8	159.0	2.042	2.264	2.4923	
15 minute winter	8	8	9.800	1.250	390.7	80.0207	0.0000	FLOOD RISK	1.007	9	284.7	2.115	2.447	5.8230	
15 minute winter	9	8	9.800	1.450	747.7	69.3630	0.0000	FLOOD RISK	1.008	10	558.4	2.855	2.356	3.1360	
15 minute winter	10	9	9.800	1.500	644.2	12.4787	0.0000	FLOOD RISK	1.009	11	476.4	2.436	3.224	47.8613	
15 minute winter	11	11	9.800	1.500	476.4	0.0000	0.0000	FLOOD RISK	1.010	12	442.2	2.261	1.536	53.3278	
15 minute winter	12	13	7.750	1.000	442.2	0.0000	0.0000	FLOOD RISK	1.011	13	456.3	2.621	2.324	0.3764	
15 minute winter	13	12	9.773	0.273	456.3	0.0000	0.0000	OK	1.012	13_OUT	474.9	6.449	0.384	0.5631	
15 minute winter	13_OUT	14	6.500	0.967	474.9	0.0000	0.0000	OK	Flow through pond	49	1002.8	0.136	0.000	1175.2997	
15 minute winter	14	8	9.800	0.500	27.2	0.0000	0.0000	FLOOD RISK	2.000	15	-27.2	-0.869	-0.902	0.8135	
15 minute winter	15	8	9.800	0.714	239.5	57.8838	0.0000	FLOOD RISK	2.001	16	166.3	2.215	2.234	0.9254	
15 minute winter	16	8	9.800	0.809	166.3	0.0000	0.0000	FLOOD RISK	2.002	17	119.8	2.452	2.434	0.6320	
15 minute winter	17	8	9.800	0.941	154.9	22.2729	0.0000	FLOOD RISK	2.003	18	159.6	2.050	2.041	1.8750	
15 minute winter	18	8	9.800	1.119	246.7	44.9691	0.0000	FLOOD RISK	2.004	19	254.3	2.032	2.020	5.4690	
15 minute winter	19	8	9.800	1.344	513.4	63.2884	0.0000	FLOOD RISK	2.005	20	438.8	2.243	2.225	4.0828	
15 minute winter	20	8	9.800	1.389	438.8	0.0000	0.0000	FLOOD RISK	2.006	21	443.3	2.290	2.240	3.4979	
15 minute winter	21	8	9.800	1.428	443.3	0.0000	0.0000	FLOOD RISK	2.007	22	449.5	2.298	0.754	3.7404	
15 minute winter	22	8	9.800	1.800	597.5	29.8467	0.0000	FLOOD RISK	2.008	23	579.6	2.964	2.612	53.3017	
15 minute winter	23	7	7.750	1.000	579.6	0.0000	0.0000	FLOOD RISK	2.009	24	579.6	3.512	2.992	0.3546	
15 minute winter	24	19	9.737	0.237	579.6	0.0000	0.0000	OK	2.010	24_OUT	579.5	6.380	0.468	0.5436	
15 minute winter	24_OUT	13	9.014	1.481	579.5	0.0000	0.0000	OK	Flow through pond	49	1002.8	0.136	0.000	1175.2997	
15 minute winter	25	11	9.275	0.479	21.9	0.3063	0.0000	SURCHARGED	3.000	26	20.1	1.144	1.123	0.6227	
15 minute winter	26	14	8.814	0.378	41.3	8.9198	0.0000	SURCHARGED	3.001	27	16.5	0.938	1.037	0.7028	
									Infiltration		3.8				
15 minute winter	27	15	8.429	0.314	37.8	6.0089	0.0000	SURCHARGED	3.002	28	19.0	1.186	0.943	0.5744	
									Infiltration		4.0				
15 minute winter	28	14	8.056	0.381	39.6	5.0494	0.0000	SURCHARGED	3.003	29	23.3	1.346	0.987	0.6315	
									Infiltration		3.1				
15 minute winter	29	13	7.400	0.336	43.6	3.2358	0.0000	SURCHARGED	3.004	30	34.2	1.940	1.228	0.1195	
									Infiltration		2.3				
15 minute winter	30	28	7.147	0.322	37.3	0.0385	0.0000	OK	3.005	31	34.8	0.408	0.015	5.7941	
15 minute winter	31	28	7.147	0.462	38.7	0.0542	0.0000	OK	3.006	32	31.5	0.248	0.018	6.5004	
									Infiltration		2.4				

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15 minute winter	32	29	7.147	0.502	35.6	0.0603	0.0000	OK	3.007	33	29.0	0.204	0.019	5.7613
									Infiltration		1.9			
									Infiltration		2.0			
15 minute winter	33	28	7.147	0.372	33.1	0.0445	0.0000	OK	3.008	34	27.6	0.373	0.020	4.5514
15 minute winter	34	29	7.148	0.403	31.7	0.0484	0.0000	OK	3.009	35	20.4	0.358	0.005	4.0435
									Infiltration		1.6			
15 minute winter	35	30	7.147	0.472	24.3	0.0568	0.0000	OK	3.010	36	12.2	0.194	0.004	7.6447
									Infiltration		1.3			
15 minute winter	36	28	7.148	0.543	18.3	0.0733	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		2.1			
15 minute winter	37	18	6.686	0.181	6.7	0.0217	0.0000	OK	3.012	38	-5.6	0.088	-0.002	5.5941
15 minute winter	38	17	6.686	0.421	23.2	0.0505	0.0000	OK	3.013	39	-15.8	-0.191	-0.011	3.9145
									Infiltration		1.5			
									Infiltration		2.3			
15 minute winter	39	18	6.686	0.231	21.7	0.0277	0.0000	OK	3.014	40	-17.8	-0.478	-0.012	1.2407
									Infiltration		0.9			
15 minute winter	40	11	6.751	0.056	17.9	0.0067	0.0000	OK	3.015	41	-14.0	-0.466	-0.009	0.3934
									Infiltration		0.0			
15 minute winter	41	11	6.918	0.053	14.0	0.0063	0.0000	OK	3.016	42	-10.2	-0.400	-0.007	0.3283
									Infiltration		0.0			
15 minute winter	42	11	7.125	0.040	10.2	0.0048	0.0000	OK	3.017	43	-6.3	-0.286	-0.004	0.3134
									Infiltration		0.1			
15 minute winter	43	11	7.192	0.047	6.5	0.0057	0.0000	OK	3.018	44	-2.4	-0.132	-0.002	0.2415
									Infiltration		0.1			
15 minute winter	44	10	7.248	0.023	4.1	0.0028	0.0000	OK	3.019	45	1.5	0.095	0.001	0.1987
15 minute winter	45	11	7.234	0.039	5.6	0.0047	0.0000	OK	3.020	46	5.4	0.244	0.003	0.2890
									Infiltration		0.1			
15 minute winter	46	11	7.188	0.043	9.4	0.0051	0.0000	OK	3.021	47	9.2	0.357	0.003	0.3635
									Infiltration		0.1			
15 minute winter	47	11	7.017	0.052	13.1	0.0062	0.0000	OK	3.022	48	13.1	0.283	0.004	1.0002
									Infiltration		0.0			
15 minute winter	48	20	6.955	0.190	17.0	0.0228	0.0000	OK	3.023	53	16.7	0.307	0.021	1.8558
									Infiltration		0.2			
15 minute winter	49	37	7.858	-0.342	1087.8	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
15 minute winter	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
15 minute winter	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
15 minute winter	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
15 minute winter	53	19	6.985	0.209	20.6	0.0240	0.0000	OK	3.024	54	17.5	0.238	0.008	3.1573
									Infiltration		0.2			
15 minute winter	54	18	6.938	0.361	21.6	0.0433	0.0000	OK	3.025	54_OUT	10.7	0.106	0.004	5.8268
									Infiltration		0.3			
15 minute winter	54_OUT	22	6.985	0.460	14.8	0.0576	0.0000	OK	Infiltration		0.4			

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15 minute winter	55	13	9.005	0.559	11.7	0.1900	0.0000	SURCHARGED	5.000	56	9.7	0.551	1.312	0.2949
15 minute winter	56	13	8.980	0.564	21.4	2.8642	0.0000	SURCHARGED	5.001	57	12.1	0.990	0.969	0.3709
									Infiltration		0.4			
15 minute winter	57	14	8.898	0.588	22.9	3.4559	0.0000	SURCHARGED	5.002	58	14.5	0.822	1.806	0.5462
									Infiltration		0.5			
15 minute winter	58	15	8.677	0.432	24.3	3.7045	0.0000	SURCHARGED	5.003	59	16.2	0.921	2.186	0.3908
									Infiltration		0.6			
15 minute winter	59	27	8.541	0.336	25.0	2.1017	0.0000	OK	5.004	60	16.8	0.213	0.024	10.1518
									Infiltration		0.4			
15 minute winter	60	27	8.541	0.356	28.5	0.1212	0.0000	OK	5.005	61	4.9	0.087	0.005	15.2713
									Infiltration		0.6			
15 minute winter	61	28	8.541	0.465	15.6	0.1378	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.6			
15 minute winter	62	11	8.197	0.061	11.7	0.0207	0.0000	OK	5.007	63	10.6	0.161	0.005	8.3369
15 minute winter	63	21	8.141	0.305	23.9	0.1037	0.0000	OK	5.008	63_OUT	-3.9	-0.070	-0.002	7.0874
									Infiltration		0.7			
15 minute winter	63_OUT	23	8.140	0.375	11.7	0.1278	0.0000	OK	Infiltration		0.4			
15 minute winter	64	18	8.465	0.280	5.8	0.0448	0.0000	OK	8.000	65	3.5	0.121	0.002	2.6308
15 minute winter	65	20	8.465	0.340	10.5	0.0545	0.0000	OK	8.001	66	-2.8	0.092	-0.002	3.6731
									Infiltration		0.2			
15 minute winter	66	19	8.465	0.372	8.6	0.0588	0.0000	OK	8.002	67	-3.1	0.036	-0.002	2.1298
									Infiltration		0.2			
15 minute winter	67	19	8.466	0.389	5.5	0.0604	0.0000	OK	8.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
15 minute winter	68	18	8.129	0.053	5.5	0.0082	0.0000	OK	8.004	69	5.3	0.095	0.002	4.7886
15 minute winter	69	21	8.126	0.361	10.7	0.0578	0.0000	OK	8.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
15 minute winter	70	19	5.951	0.196	5.5	0.0313	0.0000	OK	8.006	71	4.0	0.123	0.002	1.5588
15 minute winter	71	19	5.950	0.265	8.7	0.0425	0.0000	OK	8.007	72	1.7	0.034	0.001	4.9987
									Infiltration		0.1			
15 minute winter	72	19	5.951	0.268	8.9	0.0425	0.0000	OK	8.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
15 minute winter	73	21	5.110	0.405	5.5	0.0648	0.0000	OK	8.009	74	2.5	0.056	0.002	2.1915
15 minute winter	74	20	5.110	0.405	7.7	0.0648	0.0000	OK	8.010	75	2.4	0.118	0.002	2.4835
									Infiltration		0.1			
15 minute winter	75	20	5.110	0.405	8.2	0.0648	0.0000	OK	8.011	76	2.5	0.105	0.001	2.6865
									Infiltration		0.1			
15 minute winter	76	19	5.110	0.475	7.3	0.0723	0.0000	OK	8.012	76_OUT	-2.5	0.015	-0.002	2.8109
									Infiltration		0.1			
15 minute winter	76_OUT	19	5.110	0.475	5.5	0.0760	0.0000	OK	Infiltration		0.1			

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Results for 1000 year 30 minute summer, 279 minute analysis at 1 minute timestep. Mass balance: 95.52%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	1	16	9.800	0.500	18.8	0.0000	0.0000	FLOOD RISK	1.000	2	-18.8	-0.663	-0.858	0.4653	
30 minute summer	2	16	9.800	0.550	37.5	0.0000	0.0000	FLOOD RISK	1.001	3	-37.5	-1.203	-1.894	1.1254	
30 minute summer	3	16	9.800	0.650	56.8	0.0000	0.0000	FLOOD RISK	1.002	4	-56.8	-1.816	-2.566	0.4956	
30 minute summer	4	15	9.800	0.750	76.2	0.0000	0.0000	FLOOD RISK	1.003	5	-76.2	-2.434	-3.368	0.8441	
30 minute summer	5	15	9.800	0.800	96.4	0.0000	0.0000	FLOOD RISK	1.004	6	-96.4	-3.079	-2.577	0.1621	
30 minute summer	6	15	9.800	0.900	312.8	83.8878	0.0000	FLOOD RISK	1.005	7	112.9	2.308	2.330	0.7796	
30 minute summer	7	15	9.800	1.050	199.9	31.7710	0.0000	FLOOD RISK	1.006	8	157.5	2.023	2.243	2.4923	
30 minute summer	8	15	9.800	1.250	301.8	53.4252	0.0000	FLOOD RISK	1.007	9	245.0	1.957	2.264	5.9230	
30 minute summer	9	15	9.800	1.450	525.7	74.1583	0.0000	FLOOD RISK	1.008	10	420.3	2.149	1.773	3.1360	
30 minute summer	10	15	9.800	1.500	470.5	13.3323	0.0000	FLOOD RISK	1.009	11	466.1	2.353	3.114	47.8613	
30 minute summer	11	15	9.800	1.800	466.1	0.0000	0.0000	FLOOD RISK	1.010	12	459.5	2.349	1.586	53.3278	
30 minute summer	12	14	7.750	1.000	459.5	0.0000	0.0000	FLOOD RISK	1.011	13	474.4	3.238	2.418	0.3551	
30 minute summer	13	19	9.741	0.241	474.4	0.0000	0.0000	OK	1.012	13_OUT	497.3	7.231	0.462	0.5221	
30 minute summer	13_OUT	22	8.560	1.026	497.3	0.0000	0.0000	OK	Flow through pond	49	839.1	0.101	0.000	1480.0300	
30 minute summer	14	15	9.800	0.500	21.0	0.0000	0.0000	FLOOD RISK	2.000	15	-21.0	-0.735	-0.895	0.8136	
30 minute summer	15	15	9.800	0.714	184.3	58.2313	0.0000	FLOOD RISK	2.001	16	104.2	2.132	2.150	0.9254	
30 minute summer	16	14	9.800	0.809	104.2	0.0000	0.0000	FLOOD RISK	2.002	17	112.6	2.303	2.286	0.5320	
30 minute summer	17	14	9.800	0.941	128.0	22.4030	0.0000	FLOOD RISK	2.003	18	154.3	1.982	1.974	1.8750	
30 minute summer	18	14	9.800	1.119	247.9	45.3831	0.0000	FLOOD RISK	2.004	19	253.8	2.027	2.016	5.4890	
30 minute summer	19	14	9.800	1.344	504.0	83.3831	0.0000	FLOOD RISK	2.005	20	439.1	2.245	2.227	4.0628	
30 minute summer	20	14	9.800	1.389	439.1	0.0000	0.0000	FLOOD RISK	2.006	21	444.8	2.274	2.248	3.4979	
30 minute summer	21	14	9.800	1.428	444.8	0.0000	0.0000	FLOOD RISK	2.007	22	459.4	2.303	0.756	3.7404	
30 minute summer	22	14	9.800	1.800	593.4	29.7798	0.0000	FLOOD RISK	2.008	23	580.2	2.957	2.014	53.3017	
30 minute summer	23	11	7.750	1.000	580.2	0.0000	0.0000	FLOOD RISK	2.009	24	580.3	3.516	2.955	0.3714	
30 minute summer	24	16	8.764	0.264	580.3	0.0000	0.0000	OK	2.010	24_OUT	580.4	6.386	0.469	0.5441	
30 minute summer	24_OUT	21	9.021	1.487	580.4	0.0000	0.0000	OK	Flow through pond	49	839.1	0.101	0.000	1480.0300	
30 minute summer	25	19	9.171	0.375	19.8	0.2402	0.0000	SURCHARGED	3.000	26	18.3	1.038	1.019	0.6227	
30 minute summer	26	22	8.792	0.357	37.8	8.1702	0.0000	SURCHARGED	3.001	27	16.5	0.981	1.038	0.7026	
									Infiltration		3.7				
30 minute summer	27	23	8.420	0.305	35.4	5.8736	0.0000	SURCHARGED	3.002	28	29.5	1.168	1.015	0.5744	
									Infiltration		3.9				
30 minute summer	28	22	8.046	0.351	37.4	4.7719	0.0000	SURCHARGED	3.003	29	22.8	1.342	0.968	0.6315	
									Infiltration		3.0				
30 minute summer	29	20	7.389	0.324	41.4	3.0356	0.0000	SURCHARGED	3.004	30	33.6	1.911	1.210	0.1195	
									Infiltration		2.2				
30 minute summer	30	39	7.200	0.375	36.5	0.0450	0.0000	OK	3.005	31	32.1	0.318	0.013	8.1800	
30 minute summer	31	39	7.200	0.505	35.2	0.0607	0.0000	OK	3.006	32	26.2	0.225	0.015	7.6208	
									Infiltration		2.6				

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30 minute summer	32	39	7.201	0.556	29.5	0.0667	0.0000	OK	3.007	33	22.4	0.180	0.015	6.8074
									Infiltration		2.0			
									Infiltration		2.1			
30 minute summer	33	39	7.201	0.426	25.1	0.0511	0.0000	OK	3.008	34	22.1	0.342	0.016	5.4870
30 minute summer	34	39	7.201	0.456	24.8	0.0547	0.0000	OK	3.009	35	15.7	0.338	0.006	4.8044
									Infiltration		1.8			
30 minute summer	35	39	7.201	0.526	17.7	0.0632	0.0000	OK	3.010	36	9.6	0.094	0.003	8.7941
									Infiltration		1.4			
30 minute summer	36	39	7.201	0.696	12.3	0.0793	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		2.2			
30 minute summer	37	28	6.705	0.200	8.4	0.0240	0.0000	OK	3.012	38	-5.1	0.076	-0.002	6.0853
30 minute summer	38	27	6.707	0.442	29.7	0.0530	0.0000	OK	3.013	39	-17.0	-0.134	-0.011	4.2596
									Infiltration		1.6			
									Infiltration		2.4			
30 minute summer	39	28	6.707	0.252	19.7	0.0303	0.0000	OK	3.014	40	-16.0	-0.405	-0.011	1.3848
									Infiltration		0.9			
30 minute summer	40	19	6.747	0.052	18.3	0.0063	0.0000	OK	3.015	41	-12.5	-0.450	-0.008	0.3672
									Infiltration		0.0			
30 minute summer	41	18	6.915	0.050	12.9	0.0060	0.0000	OK	3.016	42	-9.2	-0.387	-0.006	0.3075
									Infiltration		0.0			
30 minute summer	42	18	7.123	0.038	9.4	0.0045	0.0000	OK	3.017	43	-5.7	-0.257	-0.004	0.2950
									Infiltration		0.1			
30 minute summer	43	18	7.190	0.045	6.0	0.0054	0.0000	OK	3.018	44	-2.3	-0.127	-0.002	0.2285
									Infiltration		0.1			
30 minute summer	44	18	7.247	0.022	3.7	0.0026	0.0000	OK	3.019	45	1.4	0.091	0.001	0.1881
30 minute summer	45	18	7.232	0.037	5.1	0.0044	0.0000	OK	3.020	46	4.9	0.237	0.002	0.2720
									Infiltration		0.1			
30 minute summer	46	18	7.185	0.040	8.5	0.0048	0.0000	OK	3.021	47	8.4	0.348	0.003	0.3404
									Infiltration		0.1			
30 minute summer	47	33	7.021	0.056	12.1	0.0067	0.0000	OK	3.022	48	11.8	0.265	0.004	1.3869
									Infiltration		0.0			
30 minute summer	48	33	7.021	0.226	15.5	0.0271	0.0000	OK	3.023	53	12.7	0.285	0.016	2.3196
									Infiltration		0.2			
30 minute summer	49	63	7.689	-0.311	961.5	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
30 minute summer	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
30 minute summer	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
30 minute summer	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
30 minute summer	53	33	7.021	0.236	16.4	0.0283	0.0000	OK	3.024	54	11.4	0.227	0.004	3.7076
									Infiltration		0.3			
30 minute summer	54	34	7.021	0.396	14.7	0.0475	0.0000	OK	3.025	54_OUT	5.8	0.087	0.002	6.5745
									Infiltration		0.3			
30 minute summer	54_OUT	34	7.021	0.516	9.2	0.0620	0.0000	OK	Infiltration		0.4			

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30 minute summer	55	21	8.974	0.528	10.4	0.1794	0.0000	SURCHARGED	5.000	56	8.9	0.504	1.199	0.2949
30 minute summer	56	21	8.957	0.541	19.3	2.7356	0.0000	SURCHARGED	5.001	57	11.3	0.643	0.903	0.3709
									Infiltration		0.4			
30 minute summer	57	22	8.881	0.571	21.2	3.3589	0.0000	SURCHARGED	5.002	58	13.7	0.777	1.766	0.5462
									Infiltration		0.5			
30 minute summer	58	23	8.696	0.445	22.4	3.8235	0.0000	SURCHARGED	5.003	59	15.4	0.873	2.071	0.3906
									Infiltration		0.6			
30 minute summer	59	38	8.594	0.389	23.9	2.4693	0.0000	OK	5.004	60	13.0	0.162	0.018	12.4210
									Infiltration		0.4			
30 minute summer	60	37	8.594	0.409	22.5	0.1091	0.0000	OK	5.005	61	4.1	0.081	0.004	18.4215
									Infiltration		0.6			
30 minute summer	61	37	8.594	0.458	12.6	0.1558	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.9			
30 minute summer	62	19	8.194	0.058	10.4	0.0196	0.0000	OK	5.007	63	9.7	0.126	0.065	10.1022
30 minute summer	63	33	8.178	0.342	22.2	0.1184	0.0000	OK	5.008	63_OUT	-3.0	0.049	-0.002	8.2218
									Infiltration		0.8			
30 minute summer	63_OUT	33	8.179	0.414	10.4	0.1408	0.0000	OK	Infiltration		0.4			
30 minute summer	64	34	6.513	0.328	4.9	0.0525	0.0000	OK	6.000	65	1.4	0.091	0.001	3.2141
30 minute summer	65	33	6.513	0.388	6.6	0.0621	0.0000	OK	6.001	66	-1.2	0.078	-0.001	4.3982
									Infiltration		0.2			
30 minute summer	66	34	6.513	0.420	7.3	0.0664	0.0000	OK	6.002	67	-2.4	0.030	-0.002	2.5258
									Infiltration		0.2			
30 minute summer	67	34	6.513	0.437	4.9	0.0678	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
30 minute summer	68	35	6.158	0.082	4.9	0.0127	0.0000	OK	6.004	69	4.8	0.074	0.002	5.5549
30 minute summer	69	33	6.160	0.395	9.7	0.0632	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
30 minute summer	70	33	5.986	0.231	4.9	0.0370	0.0000	OK	6.006	71	3.0	0.111	0.001	1.8842
30 minute summer	71	33	5.986	0.301	7.9	0.0482	0.0000	OK	6.007	72	1.2	0.024	0.001	5.9229
									Infiltration		0.1			
30 minute summer	72	33	5.986	0.301	6.1	0.0481	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
30 minute summer	73	34	6.170	0.465	4.9	0.0744	0.0000	OK	6.009	74	1.9	0.043	0.001	2.8859
30 minute summer	74	34	6.170	0.465	6.8	0.0744	0.0000	OK	6.010	75	1.5	0.190	0.001	3.0402
									Infiltration		0.1			
30 minute summer	75	34	6.170	0.465	6.8	0.0744	0.0000	OK	6.011	76	1.7	0.078	0.001	3.2423
									Infiltration		0.1			
30 minute summer	76	34	6.170	0.535	8.7	0.0813	0.0000	OK	6.012	76_OUT	-1.8	-0.014	-0.001	3.3559
									Infiltration		0.1			
30 minute summer	76_OUT	34	6.170	0.535	4.9	0.0856	0.0000	OK	Infiltration		0.1			

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Results for 1000 year 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 98.27%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	1	15	9.800	0.500	17.2	0.0000	0.0000	FLOOD RISK	1.000	2	-17.2	-0.548	-0.783	0.4853	
30 minute winter	2	15	9.800	0.550	34.3	0.0000	0.0000	FLOOD RISK	1.001	3	-34.3	-1.096	-1.725	1.1264	
30 minute winter	3	14	9.800	0.650	51.4	0.0000	0.0000	FLOOD RISK	1.002	4	-51.4	-1.643	-2.431	0.4988	
30 minute winter	4	14	9.800	0.700	68.4	0.0000	0.0000	FLOOD RISK	1.003	5	-68.4	-2.186	-2.971	0.8441	
30 minute winter	5	13	9.800	0.800	86.5	0.0000	0.0000	FLOOD RISK	1.004	6	-86.5	-2.765	-2.314	0.1621	
30 minute winter	6	13	9.800	0.900	267.1	71.1290	0.0000	FLOOD RISK	1.005	7	120.5	2.464	2.486	0.7798	
30 minute winter	7	13	9.800	1.050	157.5	35.2438	0.0000	FLOOD RISK	1.006	8	187.5	2.151	2.388	2.4923	
30 minute winter	8	14	9.800	1.250	267.6	58.8293	0.0000	FLOOD RISK	1.007	9	281.6	2.090	2.418	5.8230	
30 minute winter	9	14	9.800	1.450	520.6	80.9158	0.0000	FLOOD RISK	1.008	10	444.6	2.273	1.675	3.1360	
30 minute winter	10	15	9.800	1.500	487.2	14.5318	0.0000	FLOOD RISK	1.009	11	484.9	2.479	3.282	47.8613	
30 minute winter	11	15	9.800	1.500	484.9	0.0000	0.0000	FLOOD RISK	1.010	12	484.8	2.479	1.883	53.3278	
30 minute winter	12	13	7.750	1.000	484.8	0.0000	0.0000	FLOOD RISK	1.011	13	549.6	3.439	2.799	0.3398	
30 minute winter	13	23	9.713	0.213	549.6	0.0000	0.0000	OK	1.012	13_OUT	484.9	7.161	0.392	0.4769	
30 minute winter	13_OUT	23	6.647	1.113	484.9	0.0000	0.0000	OK	Flow through pond	49	1006.2	0.094	0.000	1765.2510	
30 minute winter	14	13	9.800	0.500	22.2	0.0000	0.0000	FLOOD RISK	2.000	15	-22.2	-0.710	-0.737	0.8135	
30 minute winter	15	13	9.800	0.714	162.5	62.0033	0.0000	FLOOD RISK	2.001	16	197.0	2.188	2.207	0.9254	
30 minute winter	16	13	9.800	0.809	197.0	0.0000	0.0000	FLOOD RISK	2.002	17	115.4	2.358	2.341	0.6320	
30 minute winter	17	13	9.800	0.941	132.5	23.6627	0.0000	FLOOD RISK	2.003	18	158.9	2.041	2.033	1.8750	
30 minute winter	18	13	9.800	1.119	249.5	47.6619	0.0000	FLOOD RISK	2.004	19	281.6	2.090	2.078	5.4690	
30 minute winter	19	13	9.800	1.344	497.9	65.1378	0.0000	FLOOD RISK	2.005	20	454.3	2.323	2.304	4.0828	
30 minute winter	20	13	9.800	1.389	454.3	0.0000	0.0000	FLOOD RISK	2.006	21	458.1	2.342	2.315	3.4979	
30 minute winter	21	13	9.800	1.428	458.1	0.0000	0.0000	FLOOD RISK	2.007	22	462.6	2.365	0.776	3.7404	
30 minute winter	22	13	9.800	1.800	804.3	31.0061	0.0000	FLOOD RISK	2.008	23	594.8	3.041	2.665	53.3017	
30 minute winter	23	19	7.750	1.000	594.8	0.0000	0.0000	FLOOD RISK	2.009	24	594.9	3.569	3.030	0.3561	
30 minute winter	24	22	9.740	0.240	594.9	0.0000	0.0000	OK	2.010	24_OUT	595.0	7.070	0.481	0.5542	
30 minute winter	24_OUT	22	9.084	1.551	595.0	0.0000	0.0000	OK	Flow through pond	49	1006.2	0.094	0.000	1765.2510	
30 minute winter	25	19	9.113	0.317	17.7	0.2028	0.0000	SURCHARGED	3.000	26	16.7	0.949	0.931	0.6227	
30 minute winter	26	23	8.804	0.369	34.4	8.5714	0.0000	SURCHARGED	3.001	27	16.5	0.976	1.041	0.7028	
									Infiltration		3.7				
30 minute winter	27	24	8.440	0.325	33.5	8.4156	0.0000	SURCHARGED	3.002	28	20.3	1.197	1.906	0.5744	
									Infiltration		4.1				
30 minute winter	28	23	8.055	0.370	35.4	5.2875	0.0000	SURCHARGED	3.003	29	20.2	1.355	0.984	0.6315	
									Infiltration		3.1				
30 minute winter	29	22	7.397	0.332	39.7	3.1573	0.0000	SURCHARGED	3.004	30	33.2	1.886	1.194	0.1195	
									Infiltration		2.3				
30 minute winter	30	41	7.228	0.403	38.3	0.0483	0.0000	OK	3.005	31	31.8	0.335	0.913	8.9387	
30 minute winter	31	41	7.228	0.533	34.9	0.0640	0.0000	OK	3.006	32	28.4	0.230	0.015	8.2287	
									Infiltration		2.7				

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30 minute winter	32	41	7.228	0.583	28.8	0.0700	0.0000	OK	3.007	33	23.5	0.184	0.016	7.4052
									Infiltration		2.1			
									Infiltration		2.2			
30 minute winter	33	41	7.228	0.453	25.9	0.0544	0.0000	OK	3.008	34	22.9	0.357	0.015	5.8960
30 minute winter	34	41	7.228	0.483	25.3	0.0579	0.0000	OK	3.009	35	17.5	0.386	0.007	5.2136
									Infiltration		1.8			
30 minute winter	35	41	7.229	0.554	19.7	0.0665	0.0000	OK	3.010	36	12.3	0.091	0.004	9.4098
									Infiltration		1.5			
30 minute winter	36	41	7.228	0.723	14.3	0.0824	0.0000	OK	3.011	37	1.9	0.448	0.073	0.0052
									Infiltration		2.3			
30 minute winter	37	29	6.734	0.229	7.7	0.0275	0.0000	OK	3.012	38	-4.4	0.081	-0.001	6.7777
30 minute winter	38	30	6.733	0.468	15.4	0.0561	0.0000	OK	3.013	39	-13.3	-0.143	-0.009	4.7050
									Infiltration		1.7			
									Infiltration		2.5			
30 minute winter	39	29	6.733	0.278	17.9	0.0334	0.0000	OK	3.014	40	-14.6	-0.403	-0.010	1.8298
									Infiltration		1.0			
30 minute winter	40	19	6.745	0.050	14.8	0.0059	0.0000	OK	3.015	41	-11.5	-0.435	-0.008	0.3453
									Infiltration		0.0			
30 minute winter	41	18	6.912	0.047	11.6	0.0056	0.0000	OK	3.016	42	-8.3	-0.373	-0.006	0.2684
									Infiltration		0.0			
30 minute winter	42	18	7.121	0.038	8.5	0.0043	0.0000	OK	3.017	43	-5.2	-0.247	-0.003	0.2763
									Infiltration		0.1			
30 minute winter	43	18	7.187	0.042	5.3	0.0050	0.0000	OK	3.018	44	-2.0	-0.121	-0.001	0.2137
									Infiltration		0.1			
30 minute winter	44	18	7.248	0.021	3.3	0.0025	0.0000	OK	3.019	45	1.3	0.087	0.001	0.1757
30 minute winter	45	18	7.230	0.035	4.6	0.0041	0.0000	OK	3.020	46	4.4	0.228	0.002	0.2544
									Infiltration		0.1			
30 minute winter	46	18	7.163	0.038	7.7	0.0048	0.0000	OK	3.021	47	7.6	0.333	0.002	0.3747
									Infiltration		0.1			
30 minute winter	47	32	7.047	0.082	10.9	0.0098	0.0000	OK	3.022	48	10.7	0.251	0.003	1.6756
									Infiltration		0.1			
30 minute winter	48	32	7.046	0.251	14.0	0.0301	0.0000	OK	3.023	53	11.0	0.270	0.014	2.6823
									Infiltration		0.2			
30 minute winter	49	84	7.714	-0.286	1084.2	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
30 minute winter	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
30 minute winter	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
30 minute winter	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
30 minute winter	53	33	7.047	0.262	14.2	0.0314	0.0000	OK	3.024	54	11.0	0.245	0.004	4.1130
									Infiltration		0.3			
30 minute winter	54	33	7.045	0.420	14.3	0.0504	0.0000	OK	3.025	54_OUT	5.4	0.073	0.002	7.1201
									Infiltration		0.3			
30 minute winter	54_OUT	33	7.046	0.543	8.2	0.0651	0.0000	OK	Infiltration		0.5			

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30 minute winter	55	22	9.019	0.573	9.4	0.1950	0.0000	SURCHARGED	5.000	56	8.2	0.483	1.103	0.2949
30 minute winter	56	22	9.002	0.586	17.6	2.9785	0.0000	SURCHARGED	5.001	57	11.0	0.627	0.881	0.3709
									Infiltration		0.4			
30 minute winter	57	23	8.930	0.620	20.0	3.6837	0.0000	SURCHARGED	5.002	58	13.7	0.781	1.715	0.5462
									Infiltration		0.5			
30 minute winter	58	25	8.736	0.493	21.8	4.2936	0.0000	SURCHARGED	5.003	59	15.7	0.894	2.121	0.3908
									Infiltration		0.7			
30 minute winter	59	37	8.630	0.425	23.4	2.7221	0.0000	OK	5.004	60	13.2	0.175	0.019	14.0398
									Infiltration		0.4			
30 minute winter	60	37	8.630	0.445	21.7	0.1513	0.0000	OK	5.005	61	4.1	0.086	0.004	20.7206
									Infiltration		0.7			
30 minute winter	61	37	8.630	0.494	12.1	0.1580	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.9			
30 minute winter	62	32	8.205	0.069	9.4	0.0234	0.0000	OK	5.007	63	9.0	0.136	0.004	11.5673
30 minute winter	63	34	8.203	0.367	20.5	0.1247	0.0000	OK	5.008	63_OUT	-2.6	0.052	-0.002	8.9957
									Infiltration		0.8			
30 minute winter	63_OUT	34	8.203	0.438	9.4	0.1490	0.0000	OK	Infiltration		0.5			
30 minute winter	64	33	6.548	0.363	4.4	0.0560	0.0000	OK	6.000	65	2.0	0.096	0.001	3.6653
30 minute winter	65	34	6.547	0.422	6.6	0.0676	0.0000	OK	6.001	66	-1.8	0.077	-0.001	4.9567
									Infiltration		0.2			
30 minute winter	66	34	6.547	0.454	6.5	0.0718	0.0000	OK	6.002	67	-2.3	0.036	-0.001	2.8297
									Infiltration		0.2			
30 minute winter	67	34	6.547	0.471	4.4	0.0731	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
30 minute winter	68	36	6.182	0.108	8.0	0.0184	0.0000	OK	6.004	69	4.4	0.078	0.001	5.3203
30 minute winter	69	32	6.183	0.418	8.8	0.0689	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
30 minute winter	70	33	6.012	0.257	4.4	0.0411	0.0000	OK	6.006	71	2.8	0.109	0.001	2.1398
30 minute winter	71	33	6.012	0.327	7.2	0.0524	0.0000	OK	6.007	72	1.2	0.026	0.001	6.6691
									Infiltration		0.1			
30 minute winter	72	33	6.010	0.328	5.6	0.0525	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0007
									Infiltration		0.4			
30 minute winter	73	33	6.212	0.507	4.4	0.0811	0.0000	OK	6.009	74	2.0	0.046	0.001	3.0533
30 minute winter	74	34	6.212	0.507	5.4	0.0811	0.0000	OK	6.010	75	1.8	0.108	0.001	3.4589
									Infiltration		0.1			
30 minute winter	75	34	6.212	0.507	6.1	0.0811	0.0000	OK	6.011	76	2.0	0.082	0.001	3.6804
									Infiltration		0.1			
30 minute winter	76	34	6.211	0.576	5.8	0.0878	0.0000	OK	6.012	76_OUT	-1.8	-0.012	-0.001	3.7624
									Infiltration		0.1			
30 minute winter	76_OUT	33	6.211	0.576	4.4	0.0922	0.0000	OK	Infiltration		0.1			

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Results for 1000 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 97.08%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	1	26	9.800	0.500	27.8	0.0000	0.0000	FLOOD RISK	1.000	2	-27.6	-0.881	-1.259	0.4653	
60 minute summer	2	26	9.800	0.550	32.0	0.0000	0.0000	FLOOD RISK	1.001	3	-32.0	-1.024	-1.612	1.1254	
60 minute summer	3	27	9.800	0.650	40.4	0.0000	0.0000	FLOOD RISK	1.002	4	-40.4	-1.290	-1.909	0.4858	
60 minute summer	4	27	9.800	0.750	54.0	0.0000	0.0000	FLOOD RISK	1.003	5	-54.0	-1.725	-2.345	0.8441	
60 minute summer	5	26	9.800	0.800	67.7	0.0000	0.0000	FLOOD RISK	1.004	6	-67.7	-2.164	-1.811	0.1621	
60 minute summer	6	26	9.800	0.900	187.7	68.9258	0.0000	FLOOD RISK	1.005	7	117.6	2.404	2.426	0.7796	
60 minute summer	7	26	9.800	1.050	138.2	33.9193	0.0000	FLOOD RISK	1.006	8	184.0	2.107	2.338	2.4923	
60 minute summer	8	26	9.800	1.250	248.6	56.4349	0.0000	FLOOD RISK	1.007	9	258.5	2.049	2.371	5.9230	
60 minute summer	9	26	9.800	1.450	492.2	77.5089	0.0000	FLOOD RISK	1.008	10	433.9	2.219	1.830	3.1360	
60 minute summer	10	26	9.800	1.500	474.3	13.9242	0.0000	FLOOD RISK	1.009	11	472.7	2.417	3.199	47.8613	
60 minute summer	11	26	9.800	1.800	472.7	0.0000	0.0000	FLOOD RISK	1.010	12	472.5	2.416	1.841	53.3278	
60 minute summer	12	19	7.750	1.000	472.5	0.0000	0.0000	FLOOD RISK	1.011	13	583.5	3.458	2.972	0.3822	
60 minute summer	13	32	9.782	0.282	583.5	0.0000	0.0000	OK	1.012	13_OUT	472.4	6.874	0.382	0.5605	
60 minute summer	13_OUT	37	8.602	1.089	472.4	0.0000	0.0000	OK	Flow through pond	49	1552.7	0.146	0.000	2039.7012	
60 minute summer	14	24	9.800	0.500	18.0	0.0000	0.0000	FLOOD RISK	2.000	15	-18.0	-0.707	-0.597	0.8136	
60 minute summer	15	24	9.800	0.714	134.3	54.7495	0.0000	FLOOD RISK	2.001	16	98.4	2.012	2.029	0.9254	
60 minute summer	16	24	9.800	0.809	98.4	0.0000	0.0000	FLOOD RISK	2.002	17	105.8	2.163	2.146	0.5320	
60 minute summer	17	24	9.800	0.941	124.6	20.9260	0.0000	FLOOD RISK	2.003	18	146.3	1.879	1.871	1.8750	
60 minute summer	18	24	9.800	1.119	232.9	42.1508	0.0000	FLOOD RISK	2.004	19	243.3	1.943	1.932	5.4890	
60 minute summer	19	24	9.800	1.344	456.0	58.9459	0.0000	FLOOD RISK	2.005	20	425.0	2.173	2.155	4.0628	
60 minute summer	20	24	9.800	1.389	425.0	0.0000	0.0000	FLOOD RISK	2.006	21	426.8	2.182	2.157	3.4979	
60 minute summer	21	24	9.800	1.428	426.8	0.0000	0.0000	FLOOD RISK	2.007	22	439.3	2.200	0.722	3.7404	
60 minute summer	22	24	9.800	1.800	560.7	27.8927	0.0000	FLOOD RISK	2.008	23	554.4	2.834	1.925	53.3017	
60 minute summer	23	15	7.750	1.000	554.4	0.0000	0.0000	FLOOD RISK	2.009	24	554.4	3.484	2.823	0.3653	
60 minute summer	24	29	8.754	0.254	554.4	0.0000	0.0000	OK	2.010	24_OUT	554.3	6.582	0.448	0.5260	
60 minute summer	24_OUT	36	8.910	1.377	554.3	0.0000	0.0000	OK	Flow through pond	49	1552.7	0.146	0.000	2039.7012	
60 minute summer	25	34	8.814	0.118	15.2	0.0755	0.0000	OK	3.000	26	14.9	0.896	0.833	0.5740	
60 minute summer	26	37	8.748	0.313	30.1	4.7420	0.0000	SURCHARGED	3.001	27	15.8	0.950	0.998	0.7026	
									Infiltration		3.2				
60 minute summer	27	39	8.406	0.291	30.5	5.1462	0.0000	SURCHARGED	3.002	28	29.3	1.199	1.064	0.5744	
									Infiltration		3.7				
60 minute summer	28	39	8.030	0.335	32.9	4.3426	0.0000	SURCHARGED	3.003	29	23.0	1.351	0.974	0.6315	
									Infiltration		2.8				
60 minute summer	29	38	7.383	0.318	37.1	2.9247	0.0000	SURCHARGED	3.004	30	31.1	1.759	1.120	0.1195	
									Infiltration		2.2				
60 minute summer	30	57	7.250	0.425	33.9	0.9510	0.0000	OK	3.005	31	29.9	0.267	0.012	9.5851	
60 minute summer	31	57	7.250	0.555	32.7	0.0686	0.0000	OK	3.006	32	22.8	0.202	0.013	8.7277	
									Infiltration		2.8				

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60 minute summer	32	57	7.250	0.605	25.4	0.0728	0.0000	OK	3.007	33	15.0	0.113	0.010	7.8786
									Infiltration		2.2			
									Infiltration		2.3			
60 minute summer	33	57	7.250	0.475	17.8	0.0570	0.0000	OK	3.008	34	11.4	0.261	0.008	6.4212
60 minute summer	34	57	7.250	0.505	14.2	0.0606	0.0000	OK	3.009	35	8.3	0.283	0.003	5.5433
									Infiltration		1.9			
60 minute summer	35	57	7.250	0.575	11.0	0.0690	0.0000	OK	3.010	36	5.6	0.099	0.002	9.9092
									Infiltration		1.5			
60 minute summer	36	57	7.250	0.745	8.5	0.0850	0.0000	OK	3.011	37	3.3	0.632	0.240	0.0122
									Infiltration		2.3			
60 minute summer	37	44	6.728	0.223	5.2	0.0268	0.0000	OK	3.012	38	3.9	0.063	0.001	6.8452
60 minute summer	38	45	6.728	0.463	14.1	0.0555	0.0000	OK	3.013	39	-11.4	-0.111	-0.008	4.8182
									Infiltration		1.7			
									Infiltration		2.5			
60 minute summer	39	44	6.728	0.273	15.2	0.0327	0.0000	OK	3.014	40	-12.5	-0.321	-0.008	1.5683
									Infiltration		1.0			
60 minute summer	40	34	6.740	0.045	12.5	0.0054	0.0000	OK	3.015	41	-9.8	-0.410	-0.007	0.3119
									Infiltration		0.0			
60 minute summer	41	34	6.908	0.043	9.9	0.0051	0.0000	OK	3.016	42	-7.1	-0.352	-0.005	0.2601
									Infiltration		0.0			
60 minute summer	42	34	7.117	0.032	7.2	0.0038	0.0000	OK	3.017	43	-4.4	-0.233	-0.003	0.2492
									Infiltration		0.1			
60 minute summer	43	33	7.183	0.038	4.5	0.0046	0.0000	OK	3.018	44	-1.7	-0.114	-0.001	0.1929
									Infiltration		0.1			
60 minute summer	44	33	7.244	0.019	2.8	0.0022	0.0000	OK	3.019	45	1.1	0.082	0.001	0.1584
60 minute summer	45	33	7.226	0.031	3.9	0.0038	0.0000	OK	3.020	46	3.8	0.215	0.002	0.2292
									Infiltration		0.1			
60 minute summer	46	33	7.159	0.034	6.5	0.0041	0.0000	OK	3.021	47	6.4	0.314	0.002	0.4546
									Infiltration		0.1			
60 minute summer	47	62	7.066	0.101	9.2	0.0121	0.0000	OK	3.022	48	9.1	0.213	0.003	1.9122
									Infiltration		0.1			
60 minute summer	48	63	7.055	0.270	11.9	0.0324	0.0000	OK	3.023	53	7.8	0.206	0.010	2.9352
									Infiltration		0.2			
60 minute summer	49	75	7.756	-0.244	1605.9	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
60 minute summer	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
60 minute summer	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
60 minute summer	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
60 minute summer	53	62	7.085	0.280	10.3	0.0337	0.0000	OK	3.024	54	6.5	0.186	0.002	4.4430
									Infiltration		0.3			
60 minute summer	54	61	7.055	0.440	8.8	0.0529	0.0000	OK	3.025	54_OUT	3.0	0.055	0.001	7.5480
									Infiltration		0.4			
60 minute summer	54_OUT	61	7.066	0.561	4.8	0.0673	0.0000	OK	Infiltration		0.5			

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60 minute summer	55	37	8.931	0.485	8.1	0.1648	0.0000	SURCHARGED	5.000	56	7.1	0.433	0.954	0.2949
60 minute summer	56	38	8.918	0.502	15.2	2.5308	0.0000	SURCHARGED	5.001	57	9.7	0.550	0.772	0.3709
									Infiltration		0.4			
60 minute summer	57	36	8.853	0.553	17.4	3.2394	0.0000	SURCHARGED	5.002	58	12.2	0.692	1.519	0.5462
									Infiltration		0.5			
60 minute summer	58	40	8.717	0.472	19.2	4.0888	0.0000	SURCHARGED	5.003	59	14.0	0.797	1.881	0.3906
									Infiltration		0.7			
60 minute summer	59	63	8.662	0.457	20.7	2.9433	0.0000	OK	5.004	60	11.8	0.123	0.017	15.8201
									Infiltration		0.5			
60 minute summer	60	63	8.662	0.477	19.2	0.1620	0.0000	OK	5.005	61	3.7	0.074	0.004	22.8252
									Infiltration		0.7			
60 minute summer	61	63	8.662	0.526	16.5	0.1757	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		1.0			
60 minute summer	62	61	8.225	0.089	8.1	0.0301	0.0000	OK	5.007	63	7.7	0.101	0.004	12.8650
60 minute summer	63	63	8.223	0.387	17.7	0.1317	0.0000	OK	5.008	63_OUT	-2.3	0.041	-0.001	9.5728
									Infiltration		0.9			
60 minute summer	63_OUT	63	8.224	0.459	8.1	0.1550	0.0000	OK	Infiltration		0.5			
60 minute summer	64	63	6.582	0.397	3.8	0.0634	0.0000	OK	6.000	65	1.3	0.078	0.001	4.1332
60 minute summer	65	63	6.581	0.456	5.7	0.0730	0.0000	OK	6.001	66	-0.9	0.070	-0.001	5.5327
									Infiltration		0.2			
60 minute summer	66	62	6.581	0.456	5.5	0.0772	0.0000	OK	6.002	67	-1.7	0.028	-0.001	3.1455
									Infiltration		0.2			
60 minute summer	67	62	6.582	0.506	3.8	0.0764	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
60 minute summer	68	64	6.202	0.126	5.3	0.0195	0.0000	OK	6.004	69	3.8	0.085	0.001	6.9384
60 minute summer	69	61	6.204	0.439	7.8	0.0702	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
60 minute summer	70	62	6.036	0.281	3.8	0.0448	0.0000	OK	6.006	71	2.2	0.090	0.001	2.3753
60 minute summer	71	62	6.036	0.351	6.0	0.0561	0.0000	OK	6.007	72	0.7	0.020	0.000	7.3370
									Infiltration		0.1			
60 minute summer	72	62	6.036	0.351	4.4	0.0561	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0083
									Infiltration		0.4			
60 minute summer	73	63	6.256	0.551	3.8	0.0882	0.0000	OK	6.009	74	1.5	0.032	0.001	3.4648
60 minute summer	74	63	6.256	0.551	5.4	0.0882	0.0000	OK	6.010	75	0.9	0.082	0.001	3.9233
									Infiltration		0.1			
60 minute summer	75	63	6.256	0.551	4.8	0.0882	0.0000	OK	6.011	76	1.1	0.085	0.000	4.1263
									Infiltration		0.2			
60 minute summer	76	63	6.256	0.621	5.0	0.0944	0.0000	OK	6.012	76_OUT	-1.2	-0.010	-0.001	4.2259
									Infiltration		0.2			
60 minute summer	76_OUT	63	6.256	0.621	3.8	0.0893	0.0000	OK	Infiltration		0.2			

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Results for 1000 year 60 minute winter. 360 minute analysis at 1 minute timestep. Mass balance: 97.28%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	1	25	9.800	0.500	14.0	0.0000	0.0000	FLOOD RISK	1.000	2	-14.0	-0.447	-0.839	0.4653	
60 minute winter	2	25	9.800	0.550	29.1	0.0000	0.0000	FLOOD RISK	1.001	3	-29.1	-0.990	-1.462	1.1264	
60 minute winter	3	25	9.800	0.650	37.5	0.0000	0.0000	FLOOD RISK	1.002	4	-37.5	-1.197	-1.771	0.4988	
60 minute winter	4	24	9.800	0.700	45.9	0.0000	0.0000	FLOOD RISK	1.003	5	-45.9	-1.486	-1.993	0.8441	
60 minute winter	5	24	9.800	0.800	54.4	0.0000	0.0000	FLOOD RISK	1.004	6	-54.4	-1.737	-1.454	0.1621	
60 minute winter	6	24	9.800	0.900	142.4	69.0798	0.0000	FLOOD RISK	1.005	7	115.3	2.358	2.380	0.7798	
60 minute winter	7	24	9.800	1.050	139.2	33.7664	0.0000	FLOOD RISK	1.006	8	181.7	2.077	2.303	2.4923	
60 minute winter	8	23	9.800	1.250	244.4	55.7398	0.0000	FLOOD RISK	1.007	9	255.6	2.043	2.364	5.8230	
60 minute winter	9	23	9.800	1.450	456.6	76.0870	0.0000	FLOOD RISK	1.008	10	431.3	2.205	1.819	3.1360	
60 minute winter	10	23	9.800	1.500	468.2	13.8685	0.0000	FLOOD RISK	1.009	11	467.5	2.390	3.164	47.8613	
60 minute winter	11	24	9.800	1.500	467.5	0.0000	0.0000	FLOOD RISK	1.010	12	467.4	2.390	1.823	53.3278	
60 minute winter	12	18	7.750	1.000	467.4	0.0000	0.0000	FLOOD RISK	1.011	13	811.1	3.876	3.112	0.3761	
60 minute winter	13	32	9.772	0.272	811.1	0.0000	0.0000	OK	1.012	13_OUT	467.4	7.512	0.378	0.5205	
60 minute winter	13_OUT	38	8.585	1.052	467.4	0.0000	0.0000	OK	Flow through pond	48	1894.9	0.161	0.000	2318.8311	
60 minute winter	14	22	9.800	0.500	27.8	0.0000	0.0000	FLOOD RISK	2.000	15	-27.8	-0.915	-0.923	0.8135	
60 minute winter	15	22	9.800	0.714	108.6	51.4092	0.0000	FLOOD RISK	2.001	16	92.2	1.885	1.902	0.9254	
60 minute winter	16	22	9.800	0.809	92.2	0.0000	0.0000	FLOOD RISK	2.002	17	98.1	2.007	1.992	0.6320	
60 minute winter	17	22	9.800	0.941	122.0	19.5044	0.0000	FLOOD RISK	2.003	18	137.3	1.764	1.757	1.8750	
60 minute winter	18	22	9.800	1.119	224.4	39.2939	0.0000	FLOOD RISK	2.004	19	232.6	1.860	1.649	5.4690	
60 minute winter	19	21	9.800	1.344	420.2	54.7254	0.0000	FLOOD RISK	2.005	20	408.8	2.090	2.073	4.0828	
60 minute winter	20	21	9.800	1.389	408.8	0.0000	0.0000	FLOOD RISK	2.006	21	410.2	2.097	2.073	3.4979	
60 minute winter	21	21	9.800	1.428	410.2	0.0000	0.0000	FLOOD RISK	2.007	22	411.8	2.105	0.891	3.7404	
60 minute winter	22	22	9.800	1.800	531.3	26.0298	0.0000	FLOOD RISK	2.008	23	529.0	2.705	1.838	53.3017	
60 minute winter	23	14	7.750	1.000	529.0	0.0000	0.0000	FLOOD RISK	2.009	24	529.0	3.254	2.694	0.3675	
60 minute winter	24	28	9.758	0.258	529.0	0.0000	0.0000	OK	2.010	24_OUT	529.0	7.128	0.428	0.5242	
60 minute winter	24_OUT	38	8.611	1.278	529.0	0.0000	0.0000	OK	Flow through pond	49	1894.9	0.161	0.000	2318.8311	
60 minute winter	25	33	8.887	0.091	12.3	0.0582	0.0000	OK	3.000	26	12.3	0.789	0.886	0.5087	
60 minute winter	26	39	8.722	0.287	24.6	3.9692	0.0000	SURCHARGED	3.001	27	16.2	0.973	1.021	0.7028	
									Infiltration		2.9				
60 minute winter	27	42	8.405	0.290	27.3	5.1979	0.0000	SURCHARGED	3.002	28	20.0	1.293	0.993	0.5744	
									Infiltration		3.7				
60 minute winter	28	41	8.033	0.308	30.0	4.4249	0.0000	SURCHARGED	3.003	29	23.6	1.353	1.009	0.6315	
									Infiltration		2.8				
60 minute winter	29	44	7.412	0.347	34.3	3.4837	0.0000	SURCHARGED	3.004	30	29.5	1.674	1.559	0.1195	
									Infiltration		2.4				
60 minute winter	30	58	7.274	0.449	31.8	0.0539	0.0000	OK	3.005	31	28.2	0.293	0.012	10.2823	
60 minute winter	31	58	7.274	0.579	30.5	0.0695	0.0000	OK	3.006	32	21.2	0.197	0.012	9.2975	
									Infiltration		2.9				

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60 minute winter	32	59	7.274	0.629	23.5	0.0755	0.0000	OK	3.007	33	14.0	0.126	0.009	8.4185
									Infiltration		2.2			
									Infiltration		2.4			
60 minute winter	33	59	7.274	0.493	18.3	0.0599	0.0000	OK	3.008	34	12.2	0.276	0.008	5.9017
60 minute winter	34	59	7.274	0.529	13.6	0.0635	0.0000	OK	3.009	35	10.7	0.300	0.004	5.9278
									Infiltration		2.0			
60 minute winter	35	59	7.274	0.599	11.1	0.0719	0.0000	OK	3.010	36	9.3	0.079	0.003	10.4829
									Infiltration		1.6			
60 minute winter	36	58	7.274	0.769	9.6	0.0877	0.0000	OK	3.011	37	8.6	0.784	0.487	0.0204
									Infiltration		2.4			
60 minute winter	37	63	6.798	0.293	6.9	0.0351	0.0000	OK	3.012	38	6.9	0.067	0.002	8.5696
60 minute winter	38	63	6.797	0.532	10.9	0.0639	0.0000	OK	3.013	39	-8.8	-0.120	-0.006	5.9004
									Infiltration		1.9			
									Infiltration		2.8			
60 minute winter	39	64	6.797	0.342	12.7	0.0410	0.0000	OK	3.014	40	-10.4	-0.318	-0.007	2.4025
									Infiltration		1.2			
60 minute winter	40	63	6.797	0.102	10.5	0.0123	0.0000	OK	3.015	41	-8.2	-0.385	-0.005	0.4339
									Infiltration		0.1			
60 minute winter	41	34	6.903	0.038	8.2	0.0046	0.0000	OK	3.016	42	-5.9	-0.329	-0.004	0.2315
									Infiltration		0.0			
60 minute winter	42	34	7.114	0.029	6.0	0.0035	0.0000	OK	3.017	43	-3.7	-0.217	-0.002	0.2220
									Infiltration		0.1			
60 minute winter	43	34	7.179	0.034	3.7	0.0041	0.0000	OK	3.018	44	-1.4	-0.106	-0.001	0.1717
									Infiltration		0.1			
60 minute winter	44	34	7.242	0.017	2.3	0.0020	0.0000	OK	3.019	45	0.9	0.077	0.001	0.1405
60 minute winter	45	34	7.223	0.028	3.2	0.0034	0.0000	OK	3.020	46	3.1	0.200	0.001	0.2036
									Infiltration		0.1			
60 minute winter	46	34	7.156	0.031	5.4	0.0037	0.0000	OK	3.021	47	5.4	0.293	0.002	0.6231
									Infiltration		0.1			
60 minute winter	47	60	7.098	0.133	7.7	0.0159	0.0000	OK	3.022	48	7.6	0.194	0.002	2.3178
									Infiltration		0.1			
60 minute winter	48	63	7.097	0.302	9.9	0.0363	0.0000	OK	3.023	53	8.4	0.197	0.003	3.4084
									Infiltration		0.3			
60 minute winter	49	75	7.789	-0.211	1941.8	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
60 minute winter	50	1	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
60 minute winter	51	1	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
60 minute winter	52	1	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
60 minute winter	53	61	7.097	0.312	6.7	0.0375	0.0000	OK	3.024	54	6.0	0.291	0.002	5.0038
									Infiltration		0.3			
60 minute winter	54	52	7.097	0.472	7.5	0.0567	0.0000	OK	3.025	54_OUT	2.8	0.060	0.001	8.2717
									Infiltration		0.4			
60 minute winter	54_OUT	61	7.098	0.593	4.8	0.0711	0.0000	OK	Infiltration		0.5			

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60 minute winter	55	40	8.937	0.491	6.5	0.1671	0.0000	SURCHARGED	5.000	56	5.8	0.414	0.789	0.2949
60 minute winter	56	40	8.927	0.511	12.3	2.5774	0.0000	SURCHARGED	5.001	57	8.8	0.519	0.699	0.3709
									Infiltration		0.4			
60 minute winter	57	41	8.881	0.571	15.1	3.3537	0.0000	SURCHARGED	5.002	58	11.5	0.653	1.435	0.5462
									Infiltration		0.5			
60 minute winter	58	44	8.754	0.509	17.3	4.4474	0.0000	SURCHARGED	5.003	59	13.5	0.785	1.816	0.3908
									Infiltration		0.7			
60 minute winter	59	82	8.707	0.502	19.0	3.2590	0.0000	OK	5.004	60	11.4	0.135	0.018	17.9323
									Infiltration		0.5			
60 minute winter	60	62	8.707	0.522	17.3	0.1774	0.0000	OK	5.005	61	3.5	0.079	0.004	26.0018
									Infiltration		0.8			
60 minute winter	61	62	8.707	0.571	9.2	0.1941	0.0000	OK	5.006	62	0.1	0.201	0.004	0.0005
									Infiltration		1.0			
60 minute winter	62	62	8.254	0.118	6.5	0.0400	0.0000	OK	5.007	63	6.4	0.113	0.003	14.7712
60 minute winter	63	61	8.253	0.417	14.5	0.1417	0.0000	OK	5.008	63_OUT	-2.5	0.045	-0.002	10.6662
									Infiltration		0.9			
60 minute winter	63_OUT	61	8.253	0.488	6.5	0.1559	0.0000	OK	Infiltration		0.5			
60 minute winter	64	61	8.624	0.439	3.1	0.0703	0.0000	OK	8.000	65	1.2	0.051	0.001	4.7570
60 minute winter	65	61	8.624	0.489	4.7	0.0799	0.0000	OK	8.001	66	-1.0	0.070	-0.001	6.3017
									Infiltration		0.2			
60 minute winter	66	62	8.624	0.531	4.6	0.0840	0.0000	OK	8.002	67	-1.6	0.029	-0.001	3.5642
									Infiltration		0.3			
60 minute winter	67	62	8.624	0.548	3.1	0.0850	0.0000	OK	8.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
60 minute winter	68	61	8.231	0.155	4.5	0.0240	0.0000	OK	8.004	69	3.0	0.085	0.001	7.8499
60 minute winter	69	61	8.230	0.468	5.9	0.0750	0.0000	OK	8.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
60 minute winter	70	61	8.089	0.314	3.1	0.0503	0.0000	OK	8.006	71	2.6	0.087	0.001	2.7395
60 minute winter	71	61	8.089	0.384	5.9	0.0615	0.0000	OK	8.007	72	10.0	0.144	0.007	8.3638
									Infiltration		0.2			
60 minute winter	72	61	8.070	0.385	10.0	0.0615	0.0000	OK	8.008	73	11.2	0.801	0.775	0.0312
									Infiltration		0.4			
60 minute winter	73	155	8.386	0.861	11.2	0.1557	0.0000	OK	8.009	74	11.3	0.037	0.508	4.5901
60 minute winter	74	155	8.386	0.861	11.3	0.1558	0.0000	OK	8.010	75	11.9	0.092	0.508	5.2504
									Infiltration		0.2			
60 minute winter	75	155	8.386	0.861	11.9	0.1658	0.0000	OK	8.011	76	-11.1	0.088	-0.004	5.4005
									Infiltration		0.2			
60 minute winter	76	155	8.387	0.732	9.8	0.1112	0.0000	OK	8.012	76_OUT	-5.7	0.011	-0.004	5.4570
									Infiltration		0.2			
60 minute winter	76_OUT	155	8.387	0.732	4.4	0.1171	0.0000	OK	Infiltration		0.2			

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Results for 1000 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 97.24%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	1	48	9.800	0.500	6.2	0.0000	0.0000	FLOOD RISK	1.000	2	-6.2	-0.198	-0.282	0.4653	
120 minute summer	2	48	9.800	0.550	18.3	0.0000	0.0000	FLOOD RISK	1.001	3	-18.3	-0.705	-0.921	1.1264	
120 minute summer	3	48	9.800	0.650	23.0	0.0000	0.0000	FLOOD RISK	1.002	4	-23.0	-0.734	-1.086	0.4986	
120 minute summer	4	48	9.800	0.700	25.8	0.0000	0.0000	FLOOD RISK	1.003	5	-25.8	-0.825	-1.121	0.8441	
120 minute summer	5	48	9.800	0.800	31.3	0.0000	0.0000	FLOOD RISK	1.004	6	-31.3	-1.001	-0.838	0.1621	
120 minute summer	6	48	9.800	0.900	112.7	53.1994	0.0000	FLOOD RISK	1.005	7	94.2	1.927	1.945	0.7796	
120 minute summer	7	48	9.800	1.050	121.7	25.0862	0.0000	FLOOD RISK	1.006	8	135.2	1.736	1.925	2.4923	
120 minute summer	8	48	9.800	1.250	211.1	43.2822	0.0000	FLOOD RISK	1.007	9	218.9	1.749	2.024	5.9230	
120 minute summer	9	48	9.800	1.450	386.4	59.6837	0.0000	FLOOD RISK	1.008	10	389.6	1.890	1.559	3.1360	
120 minute summer	10	48	9.800	1.550	400.8	10.7557	0.0000	FLOOD RISK	1.009	11	400.1	2.046	2.798	47.8613	
120 minute summer	11	48	9.800	1.800	400.1	0.0000	0.0000	FLOOD RISK	1.010	12	401.0	2.050	1.392	53.3278	
120 minute summer	12	28	7.750	1.000	401.0	0.0000	0.0000	FLOOD RISK	1.011	13	601.0	3.652	3.061	0.3821	
120 minute summer	13	78	9.782	0.282	601.0	0.0000	0.0000	OK	1.012	13_OUT	490.8	7.589	0.397	0.5465	
120 minute summer	13_OUT	88	8.452	0.918	490.8	0.0000	0.0000	OK	Flow through pond	49	1120.2	0.104	0.000	2504.7083	
120 minute summer	14	42	9.800	0.500	5.0	0.0000	0.0000	FLOOD RISK	2.000	15	-5.0	-0.159	-0.186	0.8136	
120 minute summer	15	42	9.800	0.714	88.0	37.1508	0.0000	FLOOD RISK	2.001	16	74.5	1.524	1.538	0.9254	
120 minute summer	16	42	9.800	0.809	74.5	0.0000	0.0000	FLOOD RISK	2.002	17	78.1	1.598	1.586	0.6320	
120 minute summer	17	42	9.800	0.941	102.8	14.2962	0.0000	FLOOD RISK	2.003	18	111.6	1.434	1.428	1.8756	
120 minute summer	18	42	9.800	1.119	187.9	29.0827	0.0000	FLOOD RISK	2.004	19	193.5	1.546	1.537	5.4890	
120 minute summer	19	42	9.800	1.344	346.5	41.1197	0.0000	FLOOD RISK	2.005	20	341.0	1.744	1.729	4.0528	
120 minute summer	20	44	9.800	1.389	341.0	0.0000	0.0000	FLOOD RISK	2.006	21	341.8	1.747	1.727	3.4979	
120 minute summer	21	44	9.800	1.428	341.8	0.0000	0.0000	FLOOD RISK	2.007	22	342.6	1.751	0.575	3.7404	
120 minute summer	22	44	9.800	1.800	441.9	20.1618	0.0000	FLOOD RISK	2.008	23	439.4	2.247	1.526	53.3017	
120 minute summer	23	24	7.750	1.000	439.4	0.0000	0.0000	FLOOD RISK	2.009	24	507.6	3.200	2.585	0.3722	
120 minute summer	24	80	9.765	0.265	507.6	0.0000	0.0000	OK	2.010	24_OUT	439.5	7.299	0.355	0.5208	
120 minute summer	24_OUT	88	8.493	0.959	439.5	0.0000	0.0000	OK	Flow through pond	49	1120.2	0.104	0.000	2504.7083	
120 minute summer	25	54	5.874	0.078	9.7	0.0501	0.0000	OK	3.000	26	9.7	0.740	0.541	0.4758	
120 minute summer	26	68	6.612	0.177	19.4	1.4892	0.0000	SURCHARGED	3.001	27	16.2	0.966	1.020	0.7928	
									Infiltration		1.7				
120 minute summer	27	70	6.329	0.214	25.9	2.7559	0.0000	SURCHARGED	3.002	28	19.7	1.197	0.979	0.5744	
									Infiltration		2.7				
120 minute summer	28	70	7.962	0.267	25.8	2.7566	0.0000	SURCHARGED	3.003	29	22.4	1.336	0.947	0.8315	
									Infiltration		2.2				
120 minute summer	29	80	7.379	0.314	31.3	2.8568	0.0000	SURCHARGED	3.004	30	26.8	1.612	0.963	0.1195	
									Infiltration		2.2				
120 minute summer	30	86	7.255	0.430	28.5	0.0515	0.0000	OK	3.005	31	25.9	0.222	0.011	9.7136	
120 minute summer	31	86	7.255	0.560	27.6	0.0672	0.0000	OK	3.006	32	20.3	0.156	0.012	6.8453	
									Infiltration		2.9				
120 minute summer	32	86	7.255	0.610	22.0	0.0732	0.0000	OK	3.007	33	13.7	0.072	0.009	7.9887	

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								Infiltration		2.2					
								Infiltration		2.3					
120 minute summer	33	86	7.255	0.480	15.4	0.0578	0.0000 OK	S.008	34	10.8	0.200	0.008	6.5191		
120 minute summer	34	86	7.255	0.510	12.5	0.0612	0.0000 OK	S 009	35	8.0	0.210	0 003	5 6230		
								Infiltration		1.9					
120 minute summer	35	86	7.255	0.580	8.8	0.0696	0 0000 OK	S.010	36	5.9	0 046	0.002	10.0275		
								Infiltration		1.5					
120 minute summer	36	86	7.255	0.750	6.3	0 0855	0.0000 OK	S 011	37	3.9	0.664	0 286	0 0138		
								Infiltration		2.4					
120 minute summer	37	90	6.728	0.223	4.3	0.0267	0.0000 OK	S.012	38	3.7	0.055	0.001	6.6487		
120 minute summer	38	90	6.728	0.463	8.4	0 0555	0.0000 OK	S 013	39	-6.5	-0.096	-0 004	4 6283		
								Infiltration		1.7					
								Infiltration		2.5					
120 minute summer	39	90	6.728	0.273	9.9	0 0328	0.0000 OK	S.014	40	-8.1	-0.284	-0.005	1.5742		
								Infiltration		1.6					
120 minute summer	40	84	6.730	0.035	5.1	0.0042	0.0000 OK	S.015	41	-6.3	-0.352	-0.004	0.2361		
								Infiltration		0.0					
120 minute summer	41	84	6.898	0.033	6.4	0 0039	0.0000 OK	S 016	42	-4.6	-0.300	-0 003	0 1973		
								Infiltration		0.0					
120 minute summer	42	84	7.110	0.025	4.8	0.0030	0 0000 OK	S.017	43	-2.8	-0.198	-0.002	0.1909		
								Infiltration		0.1					
120 minute summer	43	84	7.175	0.030	2.9	0 0036	0.0000 OK	S 018	44	-1.1	-0.096	-0 001	0 1472		
								Infiltration		0.0					
120 minute summer	44	84	7.239	0.014	1.8	0.0017	0 0000 OK	S.019	45	0.7	0 070	0.000	0.1203		
120 minute summer	45	84	7.219	0.024	2.5	0.0029	0.0000 OK	S 020	46	2.4	0.183	0 001	0 1740		
								Infiltration		0.1					
120 minute summer	46	84	7.152	0.027	4.2	0.0032	0 0000 OK	S.021	47	4.2	0.268	0.001	0.5251		
								Infiltration		0.0					
120 minute summer	47	96	7.080	0.115	8.0	0 0138	0.0000 OK	S 022	48	5.9	0.147	0 002	2 0918		
								Infiltration		0.1					
120 minute summer	48	96	7.080	0.285	7.7	0.0342	0 0000 OK	S.023	53	4.9	0.139	0.006	3.1466		
								Infiltration		0.3					
120 minute summer	49	128	7.804	-0.198	1190.2	0 0000	0.0000 OK	Orifice	50	0.0					
								Infiltration		0.0					
120 minute summer	50	2	7.460	0.000	0.0	0.0000	0 0000 OK	S.001	51	0.0	0.000	0.000	0.0000		
120 minute summer	51	2	7.300	0.000	0.0	0 0000	0.0000 OK	S 002	52	0.0	0.000	0 000	0 0000		
120 minute summer	52	2	7.200	0.000	0.0	0.0000	0.0000 OK	S.003	53	0.0	0.000	0.000	0.0000		
120 minute summer	53	96	7.080	0.295	6.7	0.0354	0 0000 OK	S.024	54	3.6	0.155	0.001	4.8922		
								Infiltration		0.3					
120 minute summer	54	100	7.080	0.455	5.4	0 0548	0.0000 OK	S 025	54_OUT	1.6	0.047	0 001	7 8557		
								Infiltration		0.4					
120 minute summer	54_OUT	98	7.080	0.575	3.1	0.0690	0 0000 OK	Infiltration		0.5					
120 minute summer	55	70	8.803	0.357	5.2	0.1213	0.0000 SURCHARGED	S.000	56	4.7	0.396	0.637	0.2949		
120 minute summer	56	70	8.796	0.380	9.8	1 8738	0.0000 SURCHARGED	S 001	57	7.1	0.465	0 589	0 3709		

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								Infiltration		0.3				
120 minute summer	57	72	8.767	0.457	12.2	2.5940	0.0000 SURCHARGED	S.002	S8	9.4	0.534	1.172	0.5462	
								Infiltration		0.4				
120 minute summer	S8	76	8.680	0.445	14.0	3.8275	0.0000 SURCHARGED	S.003	S9	11.0	0.624	1.480	0.3906	
								Infiltration		0.6				
120 minute summer	S9	110	8.683	0.478	15.4	3.0959	0.0000 OK	S.004	S0	9.2	0.095	0.013	16.7183	
								Infiltration		0.5				
120 minute summer	S0	110	8.683	0.498	13.9	0.1694	0.0000 OK	S.005	S1	2.8	0.061	0.003	24.3322	
								Infiltration		0.7				
120 minute summer	S1	110	8.683	0.547	7.5	0.1861	0.0000 OK	S.006	S2	0.0	0.000	0.000	0.0000	
								Infiltration		1.0				
120 minute summer	S2	116	8.244	0.168	5.2	0.0366	0.0000 OK	S.007	S3	5.9	0.082	0.003	14.1411	
120 minute summer	S3	120	8.243	0.467	11.2	0.1385	0.0000 OK	S.008	S3_OUT	-1.6	0.033	-0.001	10.3322	
								Infiltration		0.9				
120 minute summer	S3_OUT	120	8.243	0.478	5.2	0.1628	0.0000 OK	Infiltration		0.5				
120 minute summer	S4	120	8.614	0.429	2.4	0.0687	0.0000 OK	S.000	S5	0.9	0.061	0.000	4.6053	
120 minute summer	S5	120	8.614	0.488	3.6	0.0783	0.0000 OK	S.001	S6	-0.4	0.056	0.000	6.1157	
								Infiltration		0.2				
120 minute summer	S6	120	8.614	0.521	3.5	0.0823	0.0000 OK	S.002	S7	-1.1	0.026	-0.001	3.4815	
								Infiltration		0.3				
120 minute summer	S7	120	8.614	0.538	2.4	0.0834	0.0000 OK	S.003	S8	0.0	0.000	0.000	0.0000	
								Infiltration		0.1				
120 minute summer	S8	118	8.221	0.145	3.3	0.0225	0.0000 OK	S.004	S9	2.3	0.050	0.001	7.4872	
120 minute summer	S9	110	8.220	0.455	4.7	0.0729	0.0000 OK	S.005	T0	0.0	0.000	0.000	0.0000	
								Infiltration		0.4				
120 minute summer	T0	116	8.055	0.360	2.4	0.0480	0.0000 OK	S.006	T1	2.8	0.073	0.001	2.5606	
120 minute summer	T1	116	8.055	0.370	9.0	0.0592	0.0000 OK	S.007	T2	10.7	0.141	0.007	7.9101	
								Infiltration		0.1				
120 minute summer	T2	116	8.055	0.570	10.7	0.0592	0.0000 OK	S.008	T3	11.2	0.796	0.775	0.0311	
								Infiltration		0.4				
120 minute summer	T3	204	8.365	0.860	11.4	0.1057	0.0000 OK	S.009	T4	11.2	0.026	0.007	4.5863	
120 minute summer	T4	204	8.366	0.661	12.5	0.1057	0.0000 OK	S.010	T5	-12.5	0.064	-0.008	5.1964	
								Infiltration		0.2				
120 minute summer	T5	204	8.366	0.661	11.0	0.1057	0.0000 OK	S.011	T6	9.9	0.047	0.003	5.3994	
								Infiltration		0.2				
120 minute summer	T6	204	8.367	0.732	9.9	0.1112	0.0000 OK	S.012	T6_OUT	5.9	-0.008	0.004	5.4584	
								Infiltration		0.2				
120 minute summer	T6_OUT	204	8.367	0.732	5.9	0.1171	0.0000 OK	Infiltration		0.2				

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Results for 1000 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 87.37%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	1	44	9.800	0.500	14.2	0.0000	0.0000	FLOOD RISK	1.000	2	-14.2	-0.607	-0.648	0.4653	
120 minute winter	2	44	9.800	0.550	23.8	0.0000	0.0000	FLOOD RISK	1.001	3	-23.8	-0.759	-1.195	1.1284	
120 minute winter	3	44	9.800	0.650	26.7	0.0000	0.0000	FLOOD RISK	1.002	4	-26.7	-0.917	-1.356	0.4986	
120 minute winter	4	44	9.800	0.700	31.7	0.0000	0.0000	FLOOD RISK	1.003	5	-31.7	-1.011	-1.375	0.8441	
120 minute winter	5	42	9.800	0.800	35.0	0.0000	0.0000	FLOOD RISK	1.004	6	-35.0	-1.118	-0.936	0.1621	
120 minute winter	6	42	9.800	0.900	86.8	46.2986	0.0000	FLOOD RISK	1.005	7	82.1	1.678	1.693	0.7796	
120 minute winter	7	42	9.800	1.050	114.1	22.7517	0.0000	FLOOD RISK	1.006	8	121.0	1.554	1.723	2.4823	
120 minute winter	8	42	9.800	1.250	198.0	37.6381	0.0000	FLOOD RISK	1.007	9	201.2	1.607	1.858	5.9230	
120 minute winter	9	42	9.800	1.450	344.8	52.3190	0.0000	FLOOD RISK	1.008	10	340.0	1.739	1.434	3.1360	
120 minute winter	10	42	9.800	1.500	387.3	9.4461	0.0000	FLOOD RISK	1.009	11	386.9	1.876	2.483	47.8613	
120 minute winter	11	42	9.800	1.800	386.9	0.0000	0.0000	FLOOD RISK	1.010	12	368.2	1.883	1.279	53.3278	
120 minute winter	12	26	7.750	1.000	368.2	0.0000	0.0000	FLOOD RISK	1.011	13	560.4	3.710	2.854	0.3731	
120 minute winter	13	66	9.767	0.267	560.4	0.0000	0.0000	OK	1.012	13_OUT	451.4	7.455	0.385	0.5190	
120 minute winter	13_OUT	74	8.360	0.827	451.4	0.0000	0.0000	OK	Flow through pond	49	1346.0	0.118	0.000	2841.6848	
120 minute winter	14	38	9.800	0.500	2.8	0.0000	0.0000	FLOOD RISK	2.000	15	-2.8	-0.089	-0.093	0.8136	
120 minute winter	15	38	9.800	0.714	86.3	29.9732	0.0000	FLOOD RISK	2.001	16	62.9	1.286	1.297	0.9254	
120 minute winter	16	38	9.800	0.809	62.9	0.0000	0.0000	FLOOD RISK	2.002	17	64.5	1.320	1.310	0.8329	
120 minute winter	17	38	9.800	0.941	91.3	11.5441	0.0000	FLOOD RISK	2.003	18	94.7	1.217	1.212	1.8750	
120 minute winter	18	38	9.800	1.119	166.2	23.9460	0.0000	FLOOD RISK	2.004	19	166.2	1.044	1.336	5.4890	
120 minute winter	19	38	9.800	1.344	299.3	34.3792	0.0000	FLOOD RISK	2.005	20	297.5	1.521	1.508	4.9628	
120 minute winter	20	38	9.800	1.389	297.5	0.0000	0.0000	FLOOD RISK	2.006	21	297.9	1.523	1.506	3.4979	
120 minute winter	21	38	9.800	1.428	297.9	0.0000	0.0000	FLOOD RISK	2.007	22	298.4	1.525	0.501	3.7404	
120 minute winter	22	38	9.800	1.800	362.9	17.3084	0.0000	FLOOD RISK	2.008	23	384.2	1.984	1.334	53.3017	
120 minute winter	23	22	7.750	1.000	384.2	0.0000	0.0000	FLOOD RISK	2.009	24	586.6	3.710	3.048	0.3819	
120 minute winter	24	74	9.781	0.281	586.6	0.0000	0.0000	OK	2.010	24_OUT	485.3	7.552	0.376	0.5503	
120 minute winter	24_OUT	68	8.440	0.906	485.3	0.0000	0.0000	OK	Flow through pond	49	1346.0	0.118	0.000	2841.6848	
120 minute winter	25	64	8.863	0.087	7.5	0.0432	0.0000	OK	3.000	26	7.5	0.697	0.418	0.3805	
120 minute winter	26	64	8.545	0.110	15.0	0.5884	0.0000	OK	3.001	27	13.9	0.952	0.879	0.5106	
									Infiltration		1.0				
120 minute winter	27	72	8.267	0.152	21.4	1.3792	0.0000	SURCHARGED	3.002	28	19.4	1.202	0.964	0.5744	
									Infiltration		1.9				
120 minute winter	28	74	7.942	0.247	26.9	2.3526	0.0000	SURCHARGED	3.003	29	22.6	1.332	0.957	0.6315	
									Infiltration		2.0				
120 minute winter	29	80	7.411	0.348	29.8	3.4493	0.0000	SURCHARGED	3.004	30	25.0	1.605	0.899	0.1195	
									Infiltration		2.4				
120 minute winter	30	88	7.279	0.454	26.4	0.0545	0.0000	OK	3.005	31	23.9	0.235	0.010	10.4412	
120 minute winter	31	88	7.279	0.584	25.3	0.0701	0.0000	OK	3.006	32	18.4	0.166	0.010	9.4235	
									Infiltration		3.0				

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120 minute winter	32	88	7.279	0.634	19.8	0.0761	0.0000	OK	3.007	33	12.6	0.076	0.008	8.5387
									Infiltration		2.3			
									Infiltration		2.4			
120 minute winter	33	88	7.279	0.504	13.5	0.0605	0.0000	OK	3.008	34	12.7	0.204	0.009	7.0658
120 minute winter	34	88	7.280	0.535	13.3	0.0641	0.0000	OK	3.009	35	10.7	0.232	0.004	6.0111
									Infiltration		2.0			
120 minute winter	35	88	7.279	0.604	11.3	0.0725	0.0000	OK	3.010	36	9.6	0.051	0.003	10.5079
									Infiltration		1.8			
120 minute winter	36	88	7.280	0.775	10.2	0.0863	0.0000	OK	3.011	37	7.5	0.788	0.548	0.0223
									Infiltration		2.4			
120 minute winter	37	98	6.811	0.306	8.0	0.0367	0.0000	OK	3.012	38	7.0	0.049	0.002	8.9508
120 minute winter	38	98	6.811	0.546	7.4	0.0655	0.0000	OK	3.013	39	-5.6	-0.094	-0.004	6.1628
									Infiltration		1.9			
									Infiltration		2.9			
120 minute winter	39	98	6.811	0.356	7.7	0.0427	0.0000	OK	3.014	40	-6.3	-0.264	-0.004	2.5817
									Infiltration		1.2			
120 minute winter	40	96	6.811	0.118	6.4	0.0139	0.0000	OK	3.015	41	-5.0	-0.321	-0.003	0.5049
									Infiltration		0.1			
120 minute winter	41	66	6.893	0.028	5.0	0.0034	0.0000	OK	3.016	42	-3.6	-0.274	-0.002	0.1688
									Infiltration		0.0			
120 minute winter	42	66	7.106	0.021	3.6	0.0026	0.0000	OK	3.017	43	-2.2	-0.180	-0.001	0.1627
									Infiltration		0.0			
120 minute winter	43	66	7.171	0.026	2.3	0.0031	0.0000	OK	3.018	44	-0.9	-0.087	-0.001	0.1282
									Infiltration		0.0			
120 minute winter	44	66	7.237	0.012	1.4	0.0015	0.0000	OK	3.019	45	0.5	0.064	0.000	0.1028
120 minute winter	45	66	7.218	0.021	1.9	0.0025	0.0000	OK	3.020	46	1.9	0.197	0.001	0.1487
									Infiltration		0.0			
120 minute winter	46	66	7.148	0.023	3.3	0.0027	0.0000	OK	3.021	47	3.3	0.244	0.001	0.7257
									Infiltration		0.0			
120 minute winter	47	110	7.117	0.152	4.7	0.0183	0.0000	OK	3.022	48	4.6	0.139	0.001	2.5881
									Infiltration		0.2			
120 minute winter	48	112	7.117	0.322	6.0	0.0387	0.0000	OK	3.023	53	3.9	0.146	0.005	3.7200
									Infiltration		0.3			
120 minute winter	49	128	7.842	-0.158	1457.9	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
120 minute winter	50	2	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
120 minute winter	51	2	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
120 minute winter	52	2	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
120 minute winter	53	110	7.117	0.332	5.3	0.0399	0.0000	OK	3.024	54	2.7	0.187	0.001	5.3873
									Infiltration		0.3			
120 minute winter	54	110	7.117	0.492	4.1	0.0591	0.0000	OK	3.025	54_OUT	1.4	0.045	0.001	8.7407
									Infiltration		0.4			
120 minute winter	54_OUT	110	7.117	0.612	2.8	0.0735	0.0000	OK	Infiltration		0.5			

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120 minute winter	55	76	8.798	0.352	4.0	0.1197	0.0000	SURCHARGED	5.006	56	3.7	0.375	0.505	0.2949
120 minute winter	56	76	8.793	0.377	7.7	1.8600	0.0000	SURCHARGED	5.001	57	5.0	0.454	0.482	0.3709
									Infiltration		0.3			
120 minute winter	57	78	8.773	0.483	9.9	2.8383	0.0000	SURCHARGED	5.002	58	8.1	0.451	1.013	0.5462
									Infiltration		0.4			
120 minute winter	58	114	8.729	0.484	11.9	4.2048	0.0000	SURCHARGED	5.003	59	9.6	0.543	1.267	0.3806
									Infiltration		0.7			
120 minute winter	59	114	8.725	0.523	13.3	3.4058	0.0000	OK	5.004	60	5.0	0.108	0.011	19.0534
									Infiltration		0.5			
120 minute winter	60	114	8.728	0.543	11.9	0.1845	0.0000	OK	5.005	61	2.4	0.098	0.003	27.5356
									Infiltration		0.8			
120 minute winter	61	114	8.725	0.592	6.2	0.2012	0.0000	OK	5.006	62	1.1	0.488	0.074	6.6045
									Infiltration		1.1			
120 minute winter	62	120	8.293	0.157	4.0	0.0532	0.0000	OK	5.007	63	3.9	0.091	0.002	17.5545
120 minute winter	63	122	8.292	0.456	8.8	0.1551	0.0000	OK	5.008	63_OUT	-1.5	0.037	-0.001	12.0669
									Infiltration		1.0			
120 minute winter	63_OUT	122	8.292	0.527	4.0	0.1792	0.0000	OK	Infiltration		0.5			
120 minute winter	64	118	6.664	0.479	1.9	0.0786	0.0000	OK	6.000	65	0.9	0.085	0.000	5.3701
120 minute winter	65	118	6.664	0.539	2.8	0.0862	0.0000	OK	6.001	66	0.6	0.057	0.000	7.9538
									Infiltration		0.2			
120 minute winter	66	118	6.664	0.571	2.7	0.0802	0.0000	OK	6.002	67	-0.8	0.027	-0.001	3.9716
									Infiltration		0.3			
120 minute winter	67	118	6.664	0.588	1.9	0.0912	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
120 minute winter	68	118	6.255	0.179	2.5	0.0277	0.0000	OK	6.004	69	1.6	0.050	0.001	8.5477
120 minute winter	69	118	6.254	0.489	3.7	0.0782	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.5			
120 minute winter	70	124	6.132	0.377	2.1	0.0603	0.0000	OK	6.006	71	2.7	0.082	0.001	3.4651
120 minute winter	71	124	6.132	0.447	6.4	0.0715	0.0000	OK	6.007	72	9.5	0.140	0.006	10.4074
									Infiltration		0.2			
120 minute winter	72	124	6.132	0.447	9.5	0.0715	0.0000	OK	6.008	73	11.1	0.798	0.775	0.0312
									Infiltration		0.5			
120 minute winter	73	270	6.366	0.661	11.1	0.1057	0.0000	OK	6.009	74	11.9	0.028	0.008	4.5937
120 minute winter	74	270	6.367	0.662	11.9	0.1059	0.0000	OK	6.010	75	13.0	0.071	0.009	5.2083
									Infiltration		0.2			
120 minute winter	75	270	6.367	0.662	13.0	0.1059	0.0000	OK	6.011	76	9.5	0.052	0.003	5.4028
									Infiltration		0.2			
120 minute winter	76	270	6.366	0.731	9.5	0.1113	0.0000	OK	6.012	75_OUT	4.7	0.008	0.003	5.4629
									Infiltration		0.2			
120 minute winter	76_OUT	270	6.366	0.731	4.7	0.1170	0.0000	OK	Infiltration		0.2			

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Results for 1000 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 97.48%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	1	68	9.800	0.500	3.4	0.0000	0.0000	FLOOD RISK	1.000	2	-3.4	-0.109	-0.156	0.4853	
180 minute summer	2	68	9.800	0.550	8.9	0.0000	0.0000	FLOOD RISK	1.001	3	-8.9	-0.430	-0.448	1.1264	
180 minute summer	3	68	9.800	0.650	16.0	0.0000	0.0000	FLOOD RISK	1.002	4	-16.0	-0.511	-0.756	0.4986	
180 minute summer	4	68	9.800	0.700	18.5	0.0000	0.0000	FLOOD RISK	1.003	5	-18.5	-0.592	-0.804	0.8441	
180 minute summer	5	68	9.800	0.800	21.1	0.0000	0.0000	FLOOD RISK	1.004	6	-21.1	-0.674	-0.564	0.1621	
180 minute summer	6	68	9.800	0.900	82.7	40.0673	0.0000	FLOOD RISK	1.005	7	75.5	1.544	1.558	0.7796	
180 minute summer	7	68	9.800	1.050	104.9	19.8708	0.0000	FLOOD RISK	1.006	8	111.4	1.431	1.587	2.4923	
180 minute summer	8	68	9.800	1.250	181.3	33.3823	0.0000	FLOOD RISK	1.007	9	165.6	1.483	1.716	5.9230	
180 minute summer	9	68	9.800	1.450	321.2	48.4854	0.0000	FLOOD RISK	1.008	10	313.5	1.603	1.322	3.1360	
180 minute summer	10	68	9.800	1.500	338.5	8.4095	0.0000	FLOOD RISK	1.009	11	338.5	1.731	2.291	47.8613	
180 minute summer	11	72	9.800	1.800	338.5	0.0000	0.0000	FLOOD RISK	1.010	12	336.7	1.722	1.189	53.3278	
180 minute summer	12	36	7.750	1.000	336.7	0.0000	0.0000	FLOOD RISK	1.011	13	543.8	3.562	2.770	0.3855	
180 minute summer	13	96	9.754	0.254	543.8	0.0000	0.0000	OK	1.012	13_OUT	401.3	6.819	0.324	0.4761	
180 minute summer	13_OUT	104	8.225	0.692	401.3	0.0000	0.0000	OK	Flow through pond	49	788.7	0.071	0.000	2784.3752	
180 minute summer	14	84	9.800	0.500	2.6	0.0000	0.0000	FLOOD RISK	2.000	15	-2.6	-0.082	-0.086	0.8136	
180 minute summer	15	68	9.800	0.714	63.1	26.5397	0.0000	FLOOD RISK	2.001	16	59.0	1.208	1.218	0.9254	
180 minute summer	16	68	9.800	0.809	59.0	0.0000	0.0000	FLOOD RISK	2.002	17	60.8	1.243	1.233	0.6320	
180 minute summer	17	68	9.800	0.941	84.3	10.3813	0.0000	FLOOD RISK	2.003	18	88.6	1.138	1.134	1.8756	
180 minute summer	18	68	9.800	1.119	153.5	21.4356	0.0000	FLOOD RISK	2.004	19	156.3	1.249	1.241	5.4890	
180 minute summer	19	68	9.800	1.344	280.3	30.9911	0.0000	FLOOD RISK	2.005	20	276.3	1.413	1.401	4.0628	
180 minute summer	20	68	9.800	1.389	276.3	0.0000	0.0000	FLOOD RISK	2.006	21	276.9	1.416	1.400	3.4979	
180 minute summer	21	68	9.800	1.428	276.9	0.0000	0.0000	FLOOD RISK	2.007	22	277.6	1.419	0.486	3.7404	
180 minute summer	22	68	9.800	1.800	354.5	15.8429	0.0000	FLOOD RISK	2.008	23	354.3	1.811	1.230	53.3017	
180 minute summer	23	32	7.750	1.000	354.3	0.0000	0.0000	FLOOD RISK	2.009	24	514.7	3.541	2.621	0.3707	
180 minute summer	24	92	9.763	0.263	514.7	0.0000	0.0000	OK	2.010	24_OUT	420.2	7.584	0.340	0.5000	
180 minute summer	24_OUT	100	8.345	0.811	420.2	0.0000	0.0000	OK	Flow through pond	49	788.7	0.071	0.000	2784.3752	
180 minute summer	25	96	8.861	0.065	7.1	0.0419	0.0000	OK	3.000	26	7.1	0.698	0.386	0.3645	
180 minute summer	26	96	8.541	0.166	14.2	0.5443	0.0000	OK	3.001	27	13.2	0.943	0.830	0.5569	
									Infiltration		1.0				
180 minute summer	27	96	8.231	0.116	20.3	0.8127	0.0000	OK	3.002	28	19.2	1.201	0.951	0.5265	
									Infiltration		1.4				
180 minute summer	28	100	7.599	0.204	25.3	1.8016	0.0000	SURCHARGED	3.003	29	22.6	1.326	0.957	0.8315	
									Infiltration		1.7				
180 minute summer	29	108	7.357	0.282	29.7	2.4588	0.0000	SURCHARGED	3.004	30	24.6	1.592	0.888	0.1195	
									Infiltration		2.0				
180 minute summer	30	116	7.241	0.416	25.9	0.0500	0.0000	OK	3.005	31	23.5	0.195	0.010	9.3228	
180 minute summer	31	116	7.241	0.548	24.8	0.0656	0.0000	OK	3.006	32	18.0	0.141	0.010	6.5317	
									Infiltration		2.8				
180 minute summer	32	116	7.241	0.598	19.3	0.0716	0.0000	OK	3.007	33	11.5	0.062	0.008	7.6894	

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								Infiltration		2.1					
								Infiltration		2.3					
180 minute summer	33	116	7.241	0.466	12.8	0.0580	0.0000 OK	S.008	34	9.4	0.177	0.007	6.2520		
180 minute summer	34	116	7.241	0.496	10.7	0.0596	0.0000 OK	S.009	35	6.1	0.192	0.002	5.4104		
								Infiltration		1.9					
180 minute summer	35	116	7.241	0.566	7.4	0.0680	0.0000 OK	S.010	36	4.1	0.038	0.001	8.7083		
								Infiltration		1.5					
180 minute summer	36	116	7.241	0.736	4.7	0.0639	0.0000 OK	S.011	37	2.2	0.568	0.165	0.0993		
								Infiltration		2.3					
180 minute summer	37	120	6.696	0.193	2.7	0.0232	0.0000 OK	S.012	38	2.1	0.045	0.001	5.8983		
180 minute summer	38	120	6.696	0.403	6.6	0.0520	0.0000 OK	S.013	39	-5.3	-0.073	-0.004	4.1252		
								Infiltration		1.6					
								Infiltration		2.3					
180 minute summer	39	120	6.699	0.244	7.2	0.0292	0.0000 OK	S.014	40	-5.9	-0.254	-0.004	1.2990		
								Infiltration		0.9					
180 minute summer	40	96	6.724	0.029	5.9	0.0034	0.0000 OK	S.015	41	-4.6	-0.313	-0.003	0.1924		
								Infiltration		0.0					
180 minute summer	41	96	6.892	0.027	4.6	0.0032	0.0000 OK	S.016	42	-3.3	-0.286	-0.002	0.1609		
								Infiltration		0.0					
180 minute summer	42	96	7.105	0.020	3.4	0.0025	0.0000 OK	S.017	43	-2.1	-0.175	-0.001	0.1553		
								Infiltration		0.0					
180 minute summer	43	96	7.170	0.025	2.1	0.0029	0.0000 OK	S.018	44	-0.8	-0.085	-0.001	0.1205		
								Infiltration		0.0					
180 minute summer	44	96	7.237	0.012	1.3	0.0014	0.0000 OK	S.019	45	0.5	0.062	0.000	0.0983		
180 minute summer	45	96	7.215	0.020	1.6	0.0024	0.0000 OK	S.020	46	1.8	0.162	0.001	0.1418		
								Infiltration		0.0					
180 minute summer	46	96	7.147	0.022	3.1	0.0025	0.0000 OK	S.021	47	3.0	0.238	0.001	0.5308		
								Infiltration		0.0					
180 minute summer	47	136	7.081	0.118	4.3	0.0140	0.0000 OK	S.022	48	4.3	0.122	0.001	2.1106		
								Infiltration		0.1					
180 minute summer	48	136	7.081	0.286	5.6	0.0344	0.0000 OK	S.023	53	3.5	0.125	0.004	3.1687		
								Infiltration		0.3					
180 minute summer	49	204	7.832	-0.168	921.6	0.0000	0.0000 OK	Orifice	50	0.0					
								Infiltration		0.0					
180 minute summer	50	4	7.460	0.000	0.0	0.0000	0.0000 OK	S.001	51	0.0	0.000	0.000	0.0000		
180 minute summer	51	4	7.300	0.000	0.0	0.0000	0.0000 OK	S.002	52	0.0	0.000	0.000	0.0000		
180 minute summer	52	4	7.200	0.000	0.0	0.0000	0.0000 OK	S.003	53	0.0	0.000	0.000	0.0000		
180 minute summer	53	132	7.081	0.295	4.8	0.0356	0.0000 OK	S.024	54	2.6	0.128	0.001	4.7198		
								Infiltration		0.3					
180 minute summer	54	132	7.081	0.456	3.9	0.0548	0.0000 OK	S.025	54_OUT	1.0	0.036	0.000	7.8998		
								Infiltration		0.4					
180 minute summer	54_OUT	132	7.081	0.576	2.2	0.0692	0.0000 OK	Infiltration		0.5					
180 minute summer	55	104	6.727	0.281	3.8	0.0955	0.0000 SURCHARGED	S.000	56	3.8	0.389	0.476	0.2949		
180 minute summer	56	104	6.723	0.367	7.3	1.4636	0.0000 SURCHARGED	S.001	57	5.6	0.424	0.448	0.3709		

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								Infiltration		0.3					
180 minute summer	57	104	8.705	0.395	9.4	2.1856	0.0000 SURCHARGED	5.002	58	7.5	0.425	0.935	0.5462		
								Infiltration		0.4					
180 minute summer	58	144	8.684	0.439	11.1	3.7892	0.0000 SURCHARGED	5.003	59	8.8	0.499	1.184	0.3906		
								Infiltration		0.6					
180 minute summer	59	140	8.684	0.479	12.3	3.0982	0.0000 OK	5.004	60	7.3	0.065	0.010	16.7352		
								Infiltration		0.5					
180 minute summer	60	140	8.684	0.499	11.0	0.1696	0.0000 OK	5.005	61	2.3	0.055	0.002	24.3554		
								Infiltration		0.7					
180 minute summer	61	140	8.684	0.548	5.6	0.1862	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		1.0					
180 minute summer	62	152	8.247	0.111	4.7	0.0376	0.0000 OK	5.007	63	3.8	0.074	0.002	14.3452		
180 minute summer	63	156	8.246	0.410	8.4	0.1394	0.0000 OK	5.008	63_OUT	-2.0	0.030	-0.001	10.4286		
								Infiltration		0.9					
180 minute summer	63_OUT	148	8.246	0.481	3.8	0.1636	0.0000 OK	Infiltration		0.5					
180 minute summer	64	180	8.630	0.445	1.8	0.0712	0.0000 OK	6.000	65	0.6	0.062	0.000	4.8415		
180 minute summer	65	180	8.630	0.505	2.7	0.0808	0.0000 OK	6.001	66	0.4	0.056	0.000	6.4060		
								Infiltration		0.2					
180 minute summer	66	180	8.630	0.537	2.6	0.0848	0.0000 OK	6.002	67	-0.8	0.028	-0.001	3.6194		
								Infiltration		0.3					
180 minute summer	67	180	8.630	0.554	1.5	0.0859	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
180 minute summer	68	144	8.227	0.151	1.9	0.0234	0.0000 OK	6.004	69	1.4	0.051	0.000	7.6885		
180 minute summer	69	148	8.227	0.462	3.2	0.0739	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
180 minute summer	70	184	8.069	0.314	1.8	0.0502	0.0000 OK	6.006	71	3.3	0.070	0.001	2.7373		
180 minute summer	71	184	8.069	0.384	4.9	0.0615	0.0000 OK	6.007	72	10.9	0.148	0.007	6.3892		
								Infiltration		0.2					
180 minute summer	72	184	8.070	0.585	11.2	0.0518	0.0000 OK	6.008	73	11.0	0.794	0.767	0.0309		
								Infiltration		0.4					
180 minute summer	73	248	8.365	0.660	11.0	0.1056	0.0000 OK	6.009	74	11.1	0.023	0.007	4.5805		
180 minute summer	74	248	8.365	0.660	11.1	0.1058	0.0000 OK	6.010	75	11.2	0.059	0.007	5.1919		
								Infiltration		0.2					
180 minute summer	75	248	8.366	0.661	11.2	0.1057	0.0000 OK	6.011	76	11.6	0.048	0.004	5.3883		
								Infiltration		0.2					
180 minute summer	76	248	8.365	0.730	11.5	0.1110	0.0000 OK	6.012	76_OUT	5.3	0.007	0.004	5.4420		
								Infiltration		0.2					
180 minute summer	76_OUT	248	8.364	0.729	5.3	0.1167	0.0000 OK	Infiltration		0.2					

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Results for 1000 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 87.78%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	1	60	9.800	0.500	1.5	0.0000	0.0000	FLOOD RISK	1.000	2	1.6	0.056	0.080	0.4653	
180 minute winter	2	60	9.800	0.550	3.8	0.0000	0.0000	FLOOD RISK	1.001	3	-3.8	-0.123	-0.194	1.1284	
180 minute winter	3	60	9.800	0.650	8.8	0.0000	0.0000	FLOOD RISK	1.002	4	-8.8	-0.535	-0.405	0.4986	
180 minute winter	4	60	9.800	0.700	20.5	0.0000	0.0000	FLOOD RISK	1.003	5	-20.5	-0.851	-0.895	0.8441	
180 minute winter	5	60	9.800	0.800	24.9	0.0000	0.0000	FLOOD RISK	1.004	6	-24.9	-0.796	-0.866	0.1621	
180 minute winter	6	60	9.800	0.900	63.7	32.1754	0.0000	FLOOD RISK	1.005	7	62.4	1.278	1.287	0.7796	
180 minute winter	7	60	9.800	1.050	92.4	16.0052	0.0000	FLOOD RISK	1.006	8	94.9	1.219	1.351	2.4823	
180 minute winter	8	60	9.800	1.250	156.2	27.1072	0.0000	FLOOD RISK	1.007	9	161.2	1.288	1.491	5.9230	
180 minute winter	9	60	9.800	1.450	274.4	38.2387	0.0000	FLOOD RISK	1.008	10	272.4	1.393	1.149	3.1360	
180 minute winter	10	60	9.800	1.500	294.3	6.9437	0.0000	FLOOD RISK	1.009	11	293.9	1.503	1.959	47.8613	
180 minute winter	11	64	9.800	1.800	293.9	0.0000	0.0000	FLOOD RISK	1.010	12	292.3	1.495	1.015	53.3276	
180 minute winter	12	36	7.750	1.000	292.3	0.0000	0.0000	FLOOD RISK	1.011	13	489.3	3.042	2.492	0.3828	
180 minute winter	13	108	9.751	0.251	489.3	0.0000	0.0000	OK	1.012	13_OUT	332.2	7.188	0.289	0.4669	
180 minute winter	13_OUT	96	8.199	0.656	332.2	0.0000	0.0000	OK	Flow through pond	49	1047.5	0.088	0.000	3164.9737	
180 minute winter	14	56	9.800	0.500	4.9	0.0000	0.0000	FLOOD RISK	2.000	15	-4.9	-0.157	-0.153	0.8136	
180 minute winter	15	56	9.800	0.714	48.6	19.8858	0.0000	FLOOD RISK	2.001	16	47.7	0.975	0.984	0.9254	
180 minute winter	16	56	9.800	0.809	47.7	0.0000	0.0000	FLOOD RISK	2.002	17	48.1	0.985	0.977	0.8329	
180 minute winter	17	56	9.800	0.941	70.9	8.0033	0.0000	FLOOD RISK	2.003	18	72.1	0.926	0.922	1.8750	
180 minute winter	18	56	9.800	1.119	129.3	16.6478	0.0000	FLOOD RISK	2.004	19	129.7	1.038	1.030	5.4890	
180 minute winter	19	56	9.800	1.344	230.3	24.9671	0.0000	FLOOD RISK	2.005	20	230.2	1.177	1.157	4.9628	
180 minute winter	20	56	9.800	1.389	230.2	0.0000	0.0000	FLOOD RISK	2.006	21	230.3	1.305	1.154	3.4979	
180 minute winter	21	56	9.800	1.428	230.3	0.0000	0.0000	FLOOD RISK	2.007	22	230.3	1.226	0.386	3.7404	
180 minute winter	22	60	9.800	1.800	294.7	13.2719	0.0000	FLOOD RISK	2.008	23	296.5	1.516	1.029	53.3017	
180 minute winter	23	32	7.750	1.000	296.5	0.0000	0.0000	FLOOD RISK	2.009	24	446.1	2.728	2.272	0.3636	
180 minute winter	24	96	9.751	0.251	446.1	0.0000	0.0000	OK	2.010	24_OUT	385.4	7.113	0.312	0.4648	
180 minute winter	24_OUT	104	8.210	0.677	385.4	0.0000	0.0000	OK	Flow through pond	49	1047.5	0.086	0.000	3164.9737	
180 minute winter	25	96	8.853	0.057	5.5	0.0364	0.0000	OK	3.000	28	5.5	0.654	0.307	0.2987	
180 minute winter	26	96	8.523	0.088	11.0	0.3912	0.0000	OK	3.001	27	10.2	0.898	0.642	0.4537	
									Infiltration		0.8				
180 minute winter	27	96	8.211	0.096	15.7	0.5695	0.0000	OK	3.002	28	14.6	1.173	0.722	0.4050	
									Infiltration		1.1				
180 minute winter	28	96	7.798	0.103	30.1	0.4243	0.0000	OK	3.003	29	19.3	1.285	0.818	0.5463	
									Infiltration		0.8				
180 minute winter	29	108	7.338	0.274	24.8	2.1809	0.0000	SURCHARGED	3.004	30	21.4	1.516	0.770	0.1195	
									Infiltration		1.9				
180 minute winter	30	120	7.257	0.432	22.4	0.0518	0.0000	OK	3.005	31	20.5	0.210	0.009	9.7615	
180 minute winter	31	120	7.257	0.582	21.5	0.0674	0.0000	OK	3.006	32	15.8	0.123	0.009	6.8813	
									Infiltration		2.9				

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180 minute winter	32	120	7.256	0.611	16.8	0.0734	0.0000	OK	3.007	33	10.2	0.084	0.007	8.0218
									Infiltration		2.2			
									Infiltration		2.3			
180 minute winter	33	120	7.256	0.481	11.2	0.0578	0.0000	OK	3.008	34	8.7	0.152	0.006	6.5475
180 minute winter	34	120	7.256	0.511	9.4	0.0614	0.0000	OK	3.009	35	7.0	0.186	0.003	5.6451
									Infiltration		1.9			
180 minute winter	35	120	7.256	0.561	7.7	0.0698	0.0000	OK	3.010	36	5.9	0.035	0.002	10.0603
									Infiltration		1.8			
180 minute winter	36	120	7.256	0.751	6.5	0.0857	0.0000	OK	3.011	37	4.1	0.672	0.288	0.0143
									Infiltration		2.4			
180 minute winter	37	132	6.744	0.238	4.7	0.0287	0.0000	OK	3.012	38	4.0	0.034	0.001	7.0824
180 minute winter	38	132	6.744	0.479	5.9	0.0575	0.0000	OK	3.013	39	-4.1	-0.079	-0.003	4.9121
									Infiltration		1.7			
									Infiltration		2.6			
180 minute winter	39	132	6.744	0.289	5.5	0.0347	0.0000	OK	3.014	40	-4.5	-0.254	-0.003	1.7531
									Infiltration		1.0			
180 minute winter	40	132	6.744	0.049	4.5	0.0059	0.0000	OK	3.015	41	-3.5	-0.284	-0.002	0.2193
									Infiltration		0.0			
180 minute winter	41	100	6.886	0.023	3.5	0.0028	0.0000	OK	3.016	42	-2.5	-0.241	-0.002	0.1364
									Infiltration		0.0			
180 minute winter	42	100	7.102	0.017	2.6	0.0021	0.0000	OK	3.017	43	-1.6	-0.158	-0.001	0.1319
									Infiltration		0.0			
180 minute winter	43	96	7.166	0.021	1.8	0.0025	0.0000	OK	3.018	44	-0.8	-0.077	0.000	0.1026
									Infiltration		0.0			
180 minute winter	44	100	7.235	0.010	1.0	0.0012	0.0000	OK	3.019	45	0.4	0.056	0.000	0.0835
180 minute winter	45	100	7.212	0.017	1.4	0.0020	0.0000	OK	3.020	46	1.3	0.147	0.001	0.1203
									Infiltration		0.0			
180 minute winter	46	100	7.144	0.019	2.3	0.0022	0.0000	OK	3.021	47	2.3	0.215	0.001	0.7097
									Infiltration		0.0			
180 minute winter	47	144	7.115	0.150	3.3	0.0179	0.0000	OK	3.022	48	3.3	0.119	0.001	2.5522
									Infiltration		0.2			
180 minute winter	48	144	7.115	0.320	4.3	0.0383	0.0000	OK	3.023	53	2.7	0.116	0.003	3.8798
									Infiltration		0.3			
180 minute winter	49	200	7.875	-0.124	1109.5	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
180 minute winter	50	4	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
180 minute winter	51	4	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
180 minute winter	52	4	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
180 minute winter	53	144	7.115	0.330	3.7	0.0396	0.0000	OK	3.024	54	2.0	0.152	0.001	5.3207
									Infiltration		0.3			
180 minute winter	54	144	7.115	0.490	3.0	0.0588	0.0000	OK	3.025	54_OUT	1.1	0.040	0.000	8.8798
									Infiltration		0.4			
180 minute winter	54_OUT	144	7.115	0.610	1.8	0.0732	0.0000	OK	Infiltration		0.5			

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180 minute winter	55	116	8.738	0.292	2.9	0.0993	0.0000 SURCHARGED	5.006	56	2.7	0.349	0.372	0.2949	
180 minute winter	56	120	8.736	0.320	5.8	1.5545	0.0000 SURCHARGED	5.001	57	4.8	0.414	0.364	0.3709	
								Infiltration		0.3				
180 minute winter	57	128	8.732	0.422	7.4	2.3607	0.0000 SURCHARGED	5.002	58	8.2	0.355	0.770	0.5462	
								Infiltration		0.4				
180 minute winter	58	140	8.727	0.482	9.0	4.1828	0.0000 SURCHARGED	5.003	59	7.2	0.419	0.973	0.3906	
								Infiltration		0.7				
180 minute winter	59	144	8.725	0.520	10.0	3.3902	0.0000 OK	5.004	60	6.1	0.093	0.009	18.9320	
								Infiltration		0.5				
180 minute winter	60	144	8.725	0.540	8.9	0.1838	0.0000 OK	5.005	61	1.9	0.066	0.002	27.3688	
								Infiltration		0.8				
180 minute winter	61	144	8.725	0.589	4.7	0.2004	0.0000 OK	5.006	62	0.9	0.483	0.082	0.6039	
								Infiltration		1.1				
180 minute winter	62	172	8.293	0.157	3.7	0.0534	0.0000 OK	5.007	63	2.8	0.979	0.001	17.6251	
180 minute winter	63	176	8.293	0.457	6.2	0.1555	0.0000 OK	5.008	63_OUT	-1.6	0.032	-0.001	12.1061	
								Infiltration		1.0				
180 minute winter	63_OUT	176	8.293	0.528	2.9	0.1796	0.0000 OK	Infiltration		0.5				
180 minute winter	64	176	8.675	0.491	1.4	0.0786	0.0000 OK	6.000	65	0.6	0.057	0.000	5.5680	
180 minute winter	65	176	8.676	0.551	2.1	0.0862	0.0000 OK	6.001	66	0.4	0.058	0.000	7.2956	
								Infiltration		0.2				
180 minute winter	66	176	8.676	0.583	2.0	0.0922	0.0000 OK	6.002	67	-0.6	0.016	0.000	4.1029	
								Infiltration		0.3				
180 minute winter	67	176	8.676	0.600	1.4	0.0931	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000	
								Infiltration		0.2				
180 minute winter	68	156	6.259	0.183	1.9	0.0284	0.0000 OK	6.004	69	1.3	0.045	0.000	8.8958	
180 minute winter	69	156	6.258	0.493	2.7	0.0789	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000	
								Infiltration		0.5				
180 minute winter	70	180	6.162	0.467	1.9	0.0652	0.0000 OK	6.006	71	2.2	0.058	0.001	3.5423	
180 minute winter	71	180	6.162	0.477	5.9	0.0764	0.0000 OK	6.007	72	9.7	0.121	0.006	11.4883	
								Infiltration		0.2				
180 minute winter	72	180	6.162	0.477	9.7	0.0764	0.0000 OK	6.008	73	11.1	0.795	0.775	0.0306	
								Infiltration		0.5				
180 minute winter	73	324	6.366	0.661	11.1	0.1057	0.0000 OK	6.009	74	10.8	0.023	0.007	4.5879	
180 minute winter	74	284	6.366	0.661	10.8	0.1057	0.0000 OK	6.010	75	11.5	0.060	0.008	5.1997	
								Infiltration		0.2				
180 minute winter	75	284	6.366	0.661	11.5	0.1058	0.0000 OK	6.011	76	-9.5	0.045	-0.003	5.4028	
								Infiltration		0.2				
180 minute winter	76	284	6.367	0.732	8.2	0.1113	0.0000 OK	6.012	75_OUT	-6.9	-0.008	-0.005	5.4716	
								Infiltration		0.2				
180 minute winter	76_OUT	284	6.367	0.732	4.5	0.1172	0.0000 OK	Infiltration		0.2				

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Results for 1000 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 97.84%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	1	88	9.800	0.500	2.1	0.0000	0.0000	FLOOD RISK	1.000	2	-2.1	-0.068	-0.097	0.4653	
240 minute summer	2	88	9.800	0.550	4.2	0.0000	0.0000	FLOOD RISK	1.001	3	-4.2	-0.191	-0.213	1.1264	
240 minute summer	3	88	9.800	0.650	12.7	0.0000	0.0000	FLOOD RISK	1.002	4	-12.7	-0.414	-0.602	0.4988	
240 minute summer	4	88	9.800	0.700	15.4	0.0000	0.0000	FLOOD RISK	1.003	5	-15.4	-0.493	-0.870	0.8441	
240 minute summer	5	88	9.800	0.800	17.2	0.0000	0.0000	FLOOD RISK	1.004	6	-17.2	-0.550	-0.460	0.1621	
240 minute summer	6	88	9.800	0.900	89.1	32.2134	0.0000	FLOOD RISK	1.005	7	83.7	1.302	1.314	0.7796	
240 minute summer	7	88	9.800	1.050	91.9	15.0193	0.0000	FLOOD RISK	1.006	8	86.4	1.238	1.373	2.4923	
240 minute summer	8	88	9.800	1.250	159.4	27.1029	0.0000	FLOOD RISK	1.007	9	161.4	1.289	1.492	5.9230	
240 minute summer	9	88	9.800	1.450	277.0	38.1510	0.0000	FLOOD RISK	1.008	10	272.8	1.395	1.151	3.1360	
240 minute summer	10	88	9.800	1.500	294.0	6.9276	0.0000	FLOOD RISK	1.009	11	293.8	1.502	1.988	47.8613	
240 minute summer	11	96	9.800	1.800	293.8	0.0000	0.0000	FLOOD RISK	1.010	12	295.2	1.509	1.025	53.3278	
240 minute summer	12	40	7.750	1.000	295.2	0.0000	0.0000	FLOOD RISK	1.011	13	461.1	3.116	2.348	0.3534	
240 minute summer	13	128	9.735	0.235	461.1	0.0000	0.0000	OK	1.012	13_OUT	385.6	6.598	0.312	0.4547	
240 minute summer	13_OUT	136	8.190	0.657	385.6	0.0000	0.0000	OK	Flow through pond	49	575.7	0.051	0.000	2992.8740	
240 minute summer	14	92	9.800	0.500	3.4	0.0000	0.0000	FLOOD RISK	2.000	15	-3.4	-0.127	-0.113	0.8136	
240 minute summer	15	92	9.800	0.714	52.7	20.6183	0.0000	FLOOD RISK	2.001	16	49.6	1.015	1.024	0.9254	
240 minute summer	16	92	9.800	0.809	49.6	0.0000	0.0000	FLOOD RISK	2.002	17	50.4	1.031	1.023	0.6320	
240 minute summer	17	92	9.800	0.941	72.4	8.2967	0.0000	FLOOD RISK	2.003	18	75.0	0.953	0.959	1.8756	
240 minute summer	18	92	9.800	1.119	132.3	17.4429	0.0000	FLOOD RISK	2.004	19	133.2	1.064	1.058	5.4890	
240 minute summer	19	96	9.800	1.344	236.9	25.7804	0.0000	FLOOD RISK	2.005	20	236.0	1.207	1.197	4.0628	
240 minute summer	20	96	9.800	1.389	236.0	0.0000	0.0000	FLOOD RISK	2.006	21	235.9	1.206	1.192	3.4979	
240 minute summer	21	96	9.800	1.428	235.9	0.0000	0.0000	FLOOD RISK	2.007	22	235.8	1.206	0.396	3.7404	
240 minute summer	22	96	9.800	1.800	303.9	13.6193	0.0000	FLOOD RISK	2.008	23	303.5	1.551	1.053	53.3017	
240 minute summer	23	36	7.750	1.000	303.5	0.0000	0.0000	FLOOD RISK	2.009	24	490.3	3.296	2.497	0.3183	
240 minute summer	24	136	9.676	0.176	490.3	0.0000	0.0000	OK	2.010	24_OUT	359.5	6.893	0.291	0.3334	
240 minute summer	24_OUT	124	8.204	0.671	359.5	0.0000	0.0000	OK	Flow through pond	49	575.7	0.051	0.000	2992.8740	
240 minute summer	25	124	8.855	0.059	6.0	0.0380	0.0000	OK	3.000	26	6.0	0.668	0.333	0.3158	
240 minute summer	26	124	8.527	0.092	12.0	0.4249	0.0000	OK	3.001	27	10.9	0.910	0.684	0.4762	
									Infiltration		0.8				
240 minute summer	27	124	8.215	0.100	16.9	0.6114	0.0000	OK	3.002	28	15.4	1.164	0.781	0.4233	
									Infiltration		1.2				
240 minute summer	28	128	7.862	0.197	21.3	0.4580	0.0000	OK	3.003	29	20.3	1.306	0.881	0.5571	
									Infiltration		0.8				
240 minute summer	29	132	7.298	0.233	28.2	1.5778	0.0000	SURCHARGED	3.004	30	22.6	1.586	0.814	0.1195	
									Infiltration		1.6				
240 minute summer	30	152	7.220	0.395	23.8	0.0474	0.0000	OK	3.005	31	21.8	0.172	0.009	8.7288	
240 minute summer	31	152	7.220	0.525	22.8	0.0630	0.0000	OK	3.006	32	19.9	0.146	0.010	8.0559	
									Infiltration		2.7				
240 minute summer	32	152	7.220	0.575	17.9	0.0690	0.0000	OK	3.007	33	11.0	0.062	0.007	7.2370	

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								Infiltration		2.1					
								Infiltration		2.2					
240 minute summer	33	152	7.220	0.445	12.0	0.0534	0.0000 OK	S.008	34	9.1	0.181	0.007	5.8502		
240 minute summer	34	152	7.220	0.475	10.1	0.0570	0.0000 OK	S 009	35	6.1	0.172	0 002	5 0903		
								Infiltration		1.8					
240 minute summer	35	152	7.220	0.545	7.1	0.0654	0 0000 OK	S.010	36	2.9	0 034	0.001	8.2269		
								Infiltration		1.5					
240 minute summer	36	152	7.220	0.715	4.0	0 0615	0.0000 OK	S 011	37	0.5	0.372	0 039	0 0533		
								Infiltration		2.3					
240 minute summer	37	148	6.860	0.155	1.3	0.0186	0.0000 OK	S.012	38	1.2	0.034	0.000	4.9887		
240 minute summer	38	148	6.860	0.395	5.5	0 0474	0.0000 OK	S 013	39	-4.4	-0.075	-0 003	3 5118		
								Infiltration		1.5					
								Infiltration		2.2					
240 minute summer	39	148	6.860	0.205	5.9	0 0246	0.0000 OK	S.014	40	-4.8	-0.254	-0.003	1.0581		
								Infiltration		0.7					
240 minute summer	40	124	6.720	0.025	4.9	0.0030	0.0000 OK	S.015	41	-3.8	-0.290	-0.003	0.1892		
								Infiltration		0.0					
240 minute summer	41	124	6.889	0.024	3.6	0 0029	0.0000 OK	S 016	42	-2.7	-0.247	-0 002	0 1419		
								Infiltration		0.0					
240 minute summer	42	124	7.103	0.018	2.8	0.0022	0 0000 OK	S.017	43	-1.7	-0.162	-0.001	0.1374		
								Infiltration		0.0					
240 minute summer	43	124	7.167	0.022	1.8	0 0026	0.0000 OK	S 018	44	-0.7	-0.079	0 000	0 1071		
								Infiltration		0.0					
240 minute summer	44	124	7.236	0.011	1.1	0.0013	0 0000 OK	S.019	45	0.4	0 058	0.000	0.0873		
240 minute summer	45	124	7.213	0.018	1.5	0.0021	0.0000 OK	S 020	46	1.4	0.151	0 001	0 1255		
								Infiltration		0.0					
240 minute summer	46	124	7.144	0.019	2.5	0.0023	0 0000 OK	S.021	47	2.5	0.221	0.001	0.5073		
								Infiltration		0.0					
240 minute summer	47	168	7.077	0.112	3.6	0 0134	0.0000 OK	S 022	48	3.5	0.114	0 001	2 0515		
								Infiltration		0.1					
240 minute summer	48	168	7.077	0.282	4.8	0.0336	0 0000 OK	S.023	53	2.9	0.112	0.004	3.1002		
								Infiltration		0.2					
240 minute summer	49	300	7.854	-0.148	845.8	0 0000	0.0000 OK	Orifice	50	0.0					
								Infiltration		0.0					
240 minute summer	50	4	7.400	0.000	0.0	0.0000	0 0000 OK	S.001	51	0.0	0.000	0.000	0.0000		
240 minute summer	51	4	7.300	0.000	0.0	0 0000	0.0000 OK	S 002	52	0.0	0.000	0 000	0 0000		
240 minute summer	52	4	7.200	0.000	0.0	0.0000	0.0000 OK	S.003	53	0.0	0.000	0.000	0.0000		
240 minute summer	53	168	7.077	0.282	4.0	0.0359	0 0000 OK	S.024	54	2.1	0.117	0.001	4.8381		
								Infiltration		0.3					
240 minute summer	54	154	7.077	0.452	3.2	0 0542	0.0000 OK	S 025	54_OUT	0.7	0.037	0 000	7 7941		
								Infiltration		0.4					
240 minute summer	54_OUT	154	7.077	0.572	1.8	0.0686	0 0000 OK	Infiltration		0.5					
240 minute summer	55	140	6.890	0.244	3.2	0.0831	0.0000 SURCHARGED	S.000	56	3.0	0.354	0.401	0.2949		
240 minute summer	56	140	6.688	0.272	6.2	1 2965	0.0000 SURCHARGED	S 001	57	4.8	0.405	0 381	0 3709		

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								Infiltration		0.3					
240 minute summer	57	172	8.684	0.374	7.8	2.0429	0.0000 SURCHARGED	5.002	58	8.4	0.364	0.800	0.5462		
								Infiltration		0.4					
240 minute summer	58	160	8.683	0.438	9.4	3.7571	0.0000 SURCHARGED	5.003	59	7.5	0.423	1.094	0.3906		
								Infiltration		0.6					
240 minute summer	59	176	8.682	0.477	10.5	3.0892	0.0000 OK	5.004	60	6.3	0.075	0.009	16.6893		
								Infiltration		0.5					
240 minute summer	60	176	8.682	0.497	9.3	0.1691	0.0000 OK	5.005	61	2.6	0.050	0.002	24.2649		
								Infiltration		0.7					
240 minute summer	61	176	8.682	0.548	4.9	0.1858	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		1.0					
240 minute summer	62	176	8.248	0.112	3.2	0.0378	0.0000 OK	5.007	63	3.1	0.057	0.002	14.4278		
240 minute summer	63	180	8.247	0.411	7.0	0.1398	0.0000 OK	5.008	63_OUT	-1.1	0.028	-0.001	10.4735		
								Infiltration		0.9					
240 minute summer	63_OUT	180	8.247	0.482	3.2	0.1640	0.0000 OK	Infiltration		0.5					
240 minute summer	64	212	8.626	0.441	1.5	0.0705	0.0000 OK	6.000	65	0.5	0.050	0.000	4.7801		
240 minute summer	65	212	8.626	0.501	2.2	0.0801	0.0000 OK	6.001	66	0.2	0.044	0.000	6.3307		
								Infiltration		0.2					
240 minute summer	66	212	8.626	0.533	2.1	0.0842	0.0000 OK	6.002	67	-0.6	0.022	0.000	3.5784		
								Infiltration		0.3					
240 minute summer	67	212	8.625	0.550	1.5	0.0852	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
240 minute summer	68	176	8.224	0.148	1.8	0.0228	0.0000 OK	6.004	69	1.3	0.031	0.000	7.5858		
240 minute summer	69	184	8.224	0.458	2.8	0.0734	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
240 minute summer	70	224	8.062	0.367	1.9	0.0492	0.0000 OK	6.006	71	2.2	0.058	0.001	2.8622		
240 minute summer	71	224	8.062	0.377	5.7	0.0604	0.0000 OK	6.007	72	8.2	0.134	0.005	6.1174		
								Infiltration		0.2					
240 minute summer	72	216	8.062	0.377	8.2	0.0503	0.0000 OK	6.008	73	11.1	0.795	0.775	0.0312		
								Infiltration		0.4					
240 minute summer	73	172	8.367	0.862	11.1	0.1059	0.0000 OK	6.009	74	11.1	0.017	0.007	4.6009		
240 minute summer	74	172	8.366	0.861	11.1	0.1058	0.0000 OK	6.010	75	10.8	0.043	0.007	5.2573		
								Infiltration		0.2					
240 minute summer	75	172	8.367	0.862	10.8	0.1058	0.0000 OK	6.011	76	9.1	0.037	0.003	5.4077		
								Infiltration		0.2					
240 minute summer	76	172	8.367	0.732	9.1	0.1113	0.0000 OK	6.012	76_OUT	-5.1	-0.006	-0.003	5.4722		
								Infiltration		0.2					
240 minute summer	76_OUT	172	8.367	0.732	4.4	0.1172	0.0000 OK	Infiltration		0.2					

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Results for 1000 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 87.89%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	1	76	9.800	0.500	0.8	0.0000	0.0000	FLOOD RISK	1.000	2	1.0	0.031	0.044	0.4653	
240 minute winter	2	76	9.800	0.550	2.7	0.0000	0.0000	FLOOD RISK	1.001	3	-2.7	-0.202	-0.134	1.1284	
240 minute winter	3	76	9.800	0.650	15.3	0.0000	0.0000	FLOOD RISK	1.002	4	-15.3	-0.493	-0.724	0.4986	
240 minute winter	4	76	9.800	0.700	18.4	0.0000	0.0000	FLOOD RISK	1.003	5	-18.4	-0.588	-0.798	0.8441	
240 minute winter	5	76	9.800	0.800	20.0	0.0000	0.0000	FLOOD RISK	1.004	6	-20.0	-0.640	-0.536	0.1621	
240 minute winter	6	76	9.800	0.900	51.4	24.3618	0.0000	FLOOD RISK	1.005	7	50.8	1.039	1.048	0.7796	
240 minute winter	7	76	9.800	1.050	77.2	12.3076	0.0000	FLOOD RISK	1.006	8	75.4	1.007	1.117	2.4823	
240 minute winter	8	76	9.800	1.250	134.0	21.2482	0.0000	FLOOD RISK	1.007	9	134.3	1.073	1.242	5.9230	
240 minute winter	9	80	9.800	1.450	228.3	30.5351	0.0000	FLOOD RISK	1.008	10	227.8	1.164	0.961	3.1360	
240 minute winter	10	80	9.800	1.500	245.4	5.5745	0.0000	FLOOD RISK	1.009	11	245.4	1.256	1.861	47.8613	
240 minute winter	11	84	9.800	1.800	245.4	0.0000	0.0000	FLOOD RISK	1.010	12	247.0	1.263	0.858	53.3278	
240 minute winter	12	40	7.750	1.000	247.0	0.0000	0.0000	FLOOD RISK	1.011	13	415.4	2.808	2.116	0.3488	
240 minute winter	13	136	9.725	0.228	415.4	0.0000	0.0000	OK	1.012	13_OUT	325.1	6.731	0.283	0.4063	
240 minute winter	13_OUT	132	8.098	0.565	325.1	0.0000	0.0000	OK	Flow through pond	49	783.2	0.066	0.000	3395.3887	
240 minute winter	14	80	9.800	0.500	2.3	0.0000	0.0000	FLOOD RISK	2.000	15	-2.3	-0.074	-0.077	0.8136	
240 minute winter	15	80	9.800	0.714	39.2	14.8305	0.0000	FLOOD RISK	2.001	16	38.8	0.793	0.799	0.9254	
240 minute winter	16	80	9.800	0.809	38.8	0.0000	0.0000	FLOOD RISK	2.002	17	38.9	0.796	0.790	0.8329	
240 minute winter	17	80	9.800	0.941	58.2	6.1889	0.0000	FLOOD RISK	2.003	18	58.7	0.753	0.750	1.8750	
240 minute winter	18	80	9.800	1.119	106.1	13.3385	0.0000	FLOOD RISK	2.004	19	106.1	0.848	0.843	5.4890	
240 minute winter	19	80	9.800	1.344	188.7	20.3412	0.0000	FLOOD RISK	2.005	20	188.5	0.964	0.958	4.0628	
240 minute winter	20	80	9.800	1.389	188.5	0.0000	0.0000	FLOOD RISK	2.006	21	188.4	1.233	0.952	3.4979	
240 minute winter	21	80	9.800	1.428	188.4	0.0000	0.0000	FLOOD RISK	2.007	22	188.4	1.151	0.316	3.7404	
240 minute winter	22	80	9.800	1.800	241.9	11.2880	0.0000	FLOOD RISK	2.008	23	241.4	1.234	0.838	53.3017	
240 minute winter	23	36	7.750	1.000	241.4	0.0000	0.0000	FLOOD RISK	2.009	24	403.5	2.611	2.055	0.3505	
240 minute winter	24	128	9.730	0.230	403.5	0.0000	0.0000	OK	2.010	24_OUT	314.1	6.858	0.254	0.4151	
240 minute winter	24_OUT	124	8.097	0.563	314.1	0.0000	0.0000	OK	Flow through pond	49	783.2	0.066	0.000	3395.3887	
240 minute winter	25	124	8.648	0.050	4.4	0.0323	0.0000	OK	3.000	28	4.4	0.623	0.245	0.2516	
240 minute winter	26	128	8.511	0.076	8.8	0.3015	0.0000	OK	3.001	27	8.1	0.858	0.512	0.3789	
									Infiltration		0.7				
240 minute winter	27	128	8.198	0.083	12.5	0.4286	0.0000	OK	3.002	28	11.6	1.120	0.574	0.3376	
									Infiltration		0.9				
240 minute winter	28	128	7.783	0.088	16.0	0.3199	0.0000	OK	3.003	29	15.3	1.246	0.650	0.5051	
									Infiltration		0.8				
240 minute winter	29	148	7.275	0.213	19.7	1.3184	0.0000	SURCHARGED	3.004	30	18.1	1.480	0.852	0.1195	
									Infiltration		1.4				
240 minute winter	30	156	7.230	0.405	18.9	0.0486	0.0000	OK	3.005	31	17.5	0.192	0.007	8.9928	
240 minute winter	31	156	7.230	0.535	18.3	0.0642	0.0000	OK	3.006	32	13.5	0.129	0.006	6.2670	
									Infiltration		2.8				

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240 minute winter	32	156	7.230	0.585	14.3	0.0702	0.0000	OK	3.007	33	8.5	0.059	0.006	7.4374
									Infiltration		2.1			
									Infiltration		2.2			
240 minute winter	33	156	7.230	0.455	9.3	0.0546	0.0000	OK	3.008	34	7.3	0.176	0.005	6.0250
240 minute winter	34	156	7.230	0.485	8.1	0.0582	0.0000	OK	3.009	35	4.8	0.171	0.002	5.2316
									Infiltration		1.9			
240 minute winter	35	156	7.230	0.555	5.8	0.0666	0.0000	OK	3.010	36	3.0	0.034	0.001	9.4399
									Infiltration		1.5			
240 minute winter	36	156	7.230	0.725	3.5	0.0828	0.0000	OK	3.011	37	1.2	0.468	0.055	0.0058
									Infiltration		2.3			
240 minute winter	37	160	6.661	0.156	1.7	0.0187	0.0000	OK	3.012	38	1.6	0.034	0.001	5.0160
240 minute winter	38	160	6.661	0.396	4.4	0.0476	0.0000	OK	3.013	39	-3.4	-0.075	-0.002	3.5239
									Infiltration		1.5			
									Infiltration		2.2			
240 minute winter	39	160	6.661	0.206	4.4	0.0248	0.0000	OK	3.014	40	-3.6	-0.236	-0.002	1.0561
									Infiltration		0.8			
240 minute winter	40	124	6.715	0.021	3.8	0.0026	0.0000	OK	3.015	41	-2.8	-0.261	-0.002	0.1415
									Infiltration		0.0			
240 minute winter	41	124	6.885	0.020	2.8	0.0024	0.0000	OK	3.016	42	-2.0	-0.222	-0.001	0.1185
									Infiltration		0.0			
240 minute winter	42	124	7.100	0.015	2.1	0.0018	0.0000	OK	3.017	43	-1.3	-0.145	-0.001	0.1149
									Infiltration		0.0			
240 minute winter	43	120	7.163	0.018	1.3	0.0022	0.0000	OK	3.018	44	-0.5	-0.070	0.000	0.0694
									Infiltration		0.0			
240 minute winter	44	124	7.234	0.009	0.8	0.0011	0.0000	OK	3.019	45	0.3	0.051	0.000	0.0726
240 minute winter	45	128	7.210	0.015	1.1	0.0018	0.0000	OK	3.020	46	1.1	0.135	0.001	0.1045
									Infiltration		0.0			
240 minute winter	46	128	7.141	0.016	1.9	0.0019	0.0000	OK	3.021	47	1.8	0.198	0.001	0.5512
									Infiltration		0.0			
240 minute winter	47	180	7.104	0.139	2.6	0.0167	0.0000	OK	3.022	48	2.6	0.107	0.001	2.4082
									Infiltration		0.1			
240 minute winter	48	180	7.104	0.308	3.4	0.0371	0.0000	OK	3.023	53	2.2	0.112	0.003	3.5126
									Infiltration		0.3			
240 minute winter	49	288	7.898	-0.101	857.4	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
240 minute winter	50	4	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
240 minute winter	51	4	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
240 minute winter	52	4	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
240 minute winter	53	180	7.104	0.319	3.0	0.0383	0.0000	OK	3.024	54	1.7	0.117	0.001	5.1239
									Infiltration		0.3			
240 minute winter	54	180	7.104	0.479	2.4	0.0575	0.0000	OK	3.025	54_OUT	0.7	0.037	0.000	8.4248
									Infiltration		0.4			
240 minute winter	54_OUT	180	7.104	0.599	1.5	0.0719	0.0000	OK	Infiltration		0.5			

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240 minute winter	55	176	8.730	0.284	2.4	0.0986	0.0000 SURCHARGED	5.000	56	2.3	0.340	0.307	0.2949	
240 minute winter	56	176	8.730	0.314	4.7	1.5188	0.0000 SURCHARGED	5.001	57	3.7	0.395	0.298	0.3709	
								Infiltration		0.3				
240 minute winter	57	176	8.729	0.419	6.1	2.3408	0.0000 SURCHARGED	5.002	58	5.0	0.335	0.628	0.5462	
								Infiltration		0.4				
240 minute winter	58	180	8.728	0.481	7.3	4.1742	0.0000 SURCHARGED	5.003	59	5.8	0.339	0.765	0.3806	
								Infiltration		0.7				
240 minute winter	59	184	8.725	0.520	8.1	3.3846	0.0000 OK	5.004	60	4.9	0.084	0.007	18.5883	
								Infiltration		0.5				
240 minute winter	60	184	8.725	0.540	7.2	0.1836	0.0000 OK	5.005	61	1.6	0.055	0.002	27.3091	
								Infiltration		0.8				
240 minute winter	61	184	8.725	0.589	3.9	0.2001	0.0000 OK	5.006	62	0.9	0.455	0.058	0.0038	
								Infiltration		1.1				
240 minute winter	62	208	8.290	0.154	2.9	0.0525	0.0000 OK	5.007	63	2.2	0.972	0.001	17.4202	
240 minute winter	63	208	8.290	0.454	4.8	0.1544	0.0000 OK	5.008	63_OUT	-1.2	0.029	-0.001	11.9962	
								Infiltration		1.0				
240 minute winter	63_OUT	212	8.290	0.525	2.4	0.1786	0.0000 OK	Infiltration		0.5				
240 minute winter	64	228	6.675	0.493	1.1	0.0789	0.0000 OK	6.000	65	0.4	0.053	0.000	5.5990	
240 minute winter	65	228	6.675	0.553	1.7	0.0885	0.0000 OK	6.001	66	0.3	0.050	0.000	7.3335	
								Infiltration		0.2				
240 minute winter	66	228	6.678	0.585	1.6	0.0925	0.0000 OK	6.002	67	-0.5	0.023	0.000	4.1234	
								Infiltration		0.3				
240 minute winter	67	228	6.678	0.602	1.1	0.0934	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000	
								Infiltration		0.2				
240 minute winter	68	188	6.257	0.181	1.4	0.0280	0.0000 OK	6.004	69	1.0	0.037	0.000	8.8385	
240 minute winter	69	188	6.257	0.492	2.0	0.0787	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000	
								Infiltration		0.5				
240 minute winter	70	236	6.168	0.413	2.9	0.0681	0.0000 OK	6.006	71	-2.2	0.042	-0.001	3.9179	
240 minute winter	71	236	6.168	0.483	11.1	0.0773	0.0000 OK	6.007	72	-10.4	0.135	-0.007	11.6806	
								Infiltration		0.2				
240 minute winter	72	232	6.169	0.484	8.5	0.0774	0.0000 OK	6.008	73	11.1	0.795	0.774	0.0311	
								Infiltration		0.5				
240 minute winter	73	340	6.366	0.661	11.7	0.1058	0.0000 OK	6.009	74	11.5	0.022	0.008	4.5836	
240 minute winter	74	156	6.365	0.660	11.5	0.1057	0.0000 OK	6.010	75	10.9	0.059	0.007	5.1990	
								Infiltration		0.2				
240 minute winter	75	156	6.368	0.681	12.7	0.1058	0.0000 OK	6.011	76	-12.7	0.034	-0.004	5.4086	
								Infiltration		0.2				
240 minute winter	76	156	6.368	0.733	9.0	0.1114	0.0000 OK	6.012	75_OUT	-5.0	-0.007	-0.003	5.4746	
								Infiltration		0.2				
240 minute winter	76_OUT	156	6.367	0.732	4.1	0.1172	0.0000 OK	Infiltration		0.2				

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Results for 1000 year 360 minute summer. 600 minute analysis at 3 minute timestep. Mass balance: 97.85%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	1	144	9.800	0.500	1.0	0.0000	0.0000	FLOOD RISK	1.000	2	-1.0	-0.032	-0.046	0.4853	
360 minute summer	2	144	9.800	0.550	2.0	0.0000	0.0000	FLOOD RISK	1.001	3	-2.0	-0.064	-0.101	1.1264	
360 minute summer	3	144	9.800	0.650	9.9	0.0000	0.0000	FLOOD RISK	1.002	4	-9.9	-0.424	-0.467	0.4988	
360 minute summer	4	144	9.800	0.700	12.4	0.0000	0.0000	FLOOD RISK	1.003	5	-12.4	-0.397	-0.538	0.8441	
360 minute summer	5	144	9.800	0.800	13.5	0.0000	0.0000	FLOOD RISK	1.004	6	-13.5	-0.432	-0.381	0.1621	
360 minute summer	6	144	9.800	0.900	51.7	22.4759	0.0000	FLOOD RISK	1.005	7	48.3	0.989	0.997	0.7796	
360 minute summer	7	144	9.800	1.050	73.4	11.3936	0.0000	FLOOD RISK	1.006	8	74.4	0.956	1.080	2.4923	
360 minute summer	8	144	9.800	1.250	128.1	19.7708	0.0000	FLOOD RISK	1.007	9	128.0	1.022	1.183	5.9230	
360 minute summer	9	144	9.800	1.450	215.6	28.5805	0.0000	FLOOD RISK	1.008	10	215.5	1.102	0.909	3.1360	
360 minute summer	10	144	9.800	1.550	231.5	5.2288	0.0000	FLOOD RISK	1.009	11	231.9	1.186	1.589	47.8613	
360 minute summer	11	152	9.800	1.800	231.9	0.0000	0.0000	FLOOD RISK	1.010	12	233.5	1.194	0.811	53.3278	
360 minute summer	12	56	7.750	1.000	233.5	0.0000	0.0000	FLOOD RISK	1.011	13	265.3	1.735	1.351	0.3453	
360 minute summer	13	184	9.722	0.222	265.3	0.0000	0.0000	OK	1.012	13_OUT	312.1	5.668	0.252	0.3984	
360 minute summer	13_OUT	192	8.081	0.548	312.1	0.0000	0.0000	OK	Flow through pond	49	388.4	0.036	0.000	3293.0466	
360 minute summer	14	152	9.800	0.500	3.0	0.0000	0.0000	FLOOD RISK	2.000	15	-3.0	-0.146	-0.099	0.8135	
360 minute summer	15	152	9.800	0.714	39.5	13.7209	0.0000	FLOOD RISK	2.001	16	37.7	0.771	0.778	0.9254	
360 minute summer	16	152	9.800	0.809	37.7	0.0000	0.0000	FLOOD RISK	2.002	17	38.1	0.780	0.774	0.6320	
360 minute summer	17	152	9.800	0.941	55.7	5.7886	0.0000	FLOOD RISK	2.003	18	56.9	0.731	0.729	1.8756	
360 minute summer	18	152	9.800	1.119	100.8	12.5897	0.0000	FLOOD RISK	2.004	19	101.8	0.813	0.809	5.4890	
360 minute summer	19	152	9.800	1.344	181.7	19.3868	0.0000	FLOOD RISK	2.005	20	178.1	0.910	0.963	4.0528	
360 minute summer	20	152	9.800	1.389	178.1	0.0000	0.0000	FLOOD RISK	2.006	21	178.4	1.036	0.962	3.4979	
360 minute summer	21	152	9.800	1.428	178.4	0.0000	0.0000	FLOOD RISK	2.007	22	178.8	0.964	0.300	3.7404	
360 minute summer	22	152	9.800	1.800	230.4	10.8781	0.0000	FLOOD RISK	2.008	23	228.6	1.189	0.794	53.3017	
360 minute summer	23	56	7.750	1.000	228.6	0.0000	0.0000	FLOOD RISK	2.009	24	397.8	2.732	2.028	0.3275	
360 minute summer	24	176	9.693	0.193	397.8	0.0000	0.0000	OK	2.010	24_OUT	254.4	6.568	0.206	0.3574	
360 minute summer	24_OUT	184	8.036	0.503	254.4	0.0000	0.0000	OK	Flow through pond	49	388.4	0.036	0.000	3293.0466	
360 minute summer	25	184	8.847	0.051	4.5	0.0328	0.0000	OK	3.000	26	4.5	0.627	0.249	0.2531	
360 minute summer	26	184	8.512	0.077	9.0	0.3008	0.0000	OK	3.001	27	8.1	0.858	0.512	0.3780	
									Infiltration		0.7				
360 minute summer	27	184	8.197	0.082	12.6	0.4244	0.0000	OK	3.002	28	11.5	1.116	0.588	0.3348	
									Infiltration		0.9				
360 minute summer	28	184	7.782	0.087	16.0	0.3150	0.0000	OK	3.003	29	15.1	1.257	0.841	0.4551	
									Infiltration		0.6				
360 minute summer	29	208	7.204	0.139	19.5	0.5724	0.0000	OK	3.004	30	18.9	1.449	0.678	0.1178	
									Infiltration		0.9				
360 minute summer	30	216	7.174	0.349	19.7	0.0419	0.0000	OK	3.005	31	18.2	0.156	0.008	7.4842	
360 minute summer	31	216	7.174	0.479	19.0	0.0575	0.0000	OK	3.006	32	14.1	0.116	0.008	7.0535	
									Infiltration		2.5				
360 minute summer	32	216	7.174	0.529	14.9	0.0635	0.0000	OK	3.007	33	8.9	0.059	0.006	6.2860	

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									Infiltration		1.9				
									Infiltration		2.1				
360 minute summer	33	216	7.174	0.399	9.7	0.0479	0.0000	OK	3.008	34	7.5	0.175	0.005	5.0078	
360 minute summer	34	216	7.174	0.429	8.3	0.0515	0.0000	OK	3.009	35	5.6	0.154	0.002	4.4174	
									Infiltration		1.7				
360 minute summer	35	216	7.174	0.439	5.8	0.0599	0.0000	OK	3.010	36	2.5	0.028	0.001	8.2084	
									Infiltration		1.4				
360 minute summer	36	216	7.174	0.669	3.3	0.0763	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		2.1				
360 minute summer	37	208	6.812	0.107	0.8	0.0128	0.0000	OK	3.012	38	0.7	0.025	0.000	3.9270	
360 minute summer	38	208	6.812	0.347	4.2	0.0418	0.0000	OK	3.013	39	-3.1	-0.073	-0.002	2.7949	
									Infiltration		1.3				
									Infiltration		1.9				
360 minute summer	39	208	6.812	0.157	4.3	0.0188	0.0000	OK	3.014	40	-3.5	-0.240	-0.002	0.7577	
									Infiltration		0.6				
360 minute summer	40	184	6.716	0.021	3.5	0.0025	0.0000	OK	3.015	41	-2.7	-0.258	-0.002	0.1391	
									Infiltration		0.0				
360 minute summer	41	184	6.885	0.020	2.6	0.0024	0.0000	OK	3.018	42	-2.0	-0.220	-0.001	0.1168	
									Infiltration		0.0				
360 minute summer	42	184	7.160	0.015	2.0	0.0016	0.0000	OK	3.017	43	-1.2	-0.144	-0.001	0.1133	
									Infiltration		0.0				
360 minute summer	43	184	7.163	0.018	1.3	0.0022	0.0000	OK	3.018	44	-0.5	-0.070	0.000	0.0584	
									Infiltration		0.0				
360 minute summer	44	184	7.234	0.009	0.8	0.0010	0.0000	OK	3.019	45	0.3	0.051	0.000	0.0719	
360 minute summer	45	184	7.210	0.015	1.1	0.0017	0.0000	OK	3.020	46	1.1	0.134	0.000	0.1031	
									Infiltration		0.0				
360 minute summer	46	184	7.141	0.015	1.9	0.0019	0.0000	OK	3.021	47	1.8	0.196	0.001	0.4559	
									Infiltration		0.0				
360 minute summer	47	232	7.067	0.102	2.6	0.0122	0.0000	OK	3.022	48	2.6	0.092	0.001	1.9253	
									Infiltration		0.1				
360 minute summer	48	240	7.067	0.272	3.4	0.0325	0.0000	OK	3.023	53	2.1	0.089	0.003	2.9536	
									Infiltration		0.2				
360 minute summer	49	376	7.886	-0.114	442.4	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
360 minute summer	50	8	7.460	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
360 minute summer	51	8	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
360 minute summer	52	8	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
360 minute summer	53	232	7.067	0.282	2.9	0.0338	0.0000	OK	3.024	54	1.6	0.117	0.001	4.4845	
									Infiltration		0.3				
360 minute summer	54	232	7.067	0.442	2.4	0.0530	0.0000	OK	3.025	54_OUT	0.6	0.035	0.000	7.5668	
									Infiltration		0.4				
360 minute summer	54_OUT	232	7.067	0.562	1.3	0.0674	0.0000	OK	Infiltration		0.5				
360 minute summer	55	248	8.873	0.227	2.4	0.0772	0.0000	SURCHARGED	5.000	56	2.1	0.331	0.285	0.2949	
360 minute summer	56	248	8.873	0.257	4.5	1.2136	0.0000	SURCHARGED	5.001	57	3.4	0.361	0.273	0.3709	

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								Infiltration		0.3					
360 minute summer	57	248	8.672	0.362	5.8	1.9675	0.0000 SURCHARGED	5.002	58	4.6	0.296	0.577	0.5462		
								Infiltration		0.4					
360 minute summer	58	248	8.672	0.427	6.9	3.6500	0.0000 SURCHARGED	5.003	59	5.4	0.305	0.723	0.3908		
								Infiltration		0.6					
360 minute summer	59	248	8.671	0.466	7.6	3.0121	0.0000 OK	5.004	60	4.5	0.061	0.006	16.1129		
								Infiltration		0.5					
360 minute summer	60	248	8.671	0.486	8.8	0.1654	0.0000 OK	5.005	61	1.5	0.041	0.002	23.4999		
								Infiltration		0.7					
360 minute summer	61	248	8.671	0.535	3.6	0.1820	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		1.0					
360 minute summer	62	248	8.245	0.109	2.8	0.0368	0.0000 OK	5.007	63	2.3	0.056	0.001	14.2221		
360 minute summer	63	248	8.244	0.408	5.1	0.1387	0.0000 OK	5.008	63_OUT	-1.0	0.023	-0.001	10.3532		
								Infiltration		0.9					
360 minute summer	63_OUT	248	8.244	0.479	2.4	0.1628	0.0000 OK	Infiltration		0.5					
360 minute summer	64	272	8.621	0.436	1.1	0.0898	0.0000 OK	6.000	65	0.4	0.042	0.000	4.7087		
360 minute summer	65	272	8.621	0.486	1.6	0.0794	0.0000 OK	6.001	66	0.2	0.042	0.000	6.2436		
								Infiltration		0.2					
360 minute summer	66	272	8.621	0.528	1.8	0.0834	0.0000 OK	6.002	67	-0.5	0.002	0.000	3.5308		
								Infiltration		0.3					
360 minute summer	67	272	8.621	0.545	1.1	0.0845	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
360 minute summer	68	248	8.220	0.144	1.1	0.0224	0.0000 OK	6.004	69	1.0	0.031	0.000	7.4478		
360 minute summer	69	248	8.220	0.455	2.0	0.0727	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
360 minute summer	70	288	8.053	0.298	1.7	0.0477	0.0000 OK	6.006	71	2.1	0.035	0.001	2.5606		
360 minute summer	71	288	8.053	0.368	5.9	0.0586	0.0000 OK	6.007	72	8.9	0.121	0.006	7.8264		
								Infiltration		0.1					
360 minute summer	72	280	8.053	0.368	9.0	0.0588	0.0000 OK	6.008	73	11.0	0.764	0.767	0.0300		
								Infiltration		0.4					
360 minute summer	73	240	8.365	0.860	11.1	0.1056	0.0000 OK	6.009	74	9.5	0.016	0.006	4.5777		
360 minute summer	74	240	8.365	0.860	9.5	0.1055	0.0000 OK	6.010	75	11.0	0.043	0.007	5.1733		
								Infiltration		0.2					
360 minute summer	75	240	8.363	0.858	11.0	0.1053	0.0000 OK	6.011	76	18.4	0.032	0.005	5.3847		
								Infiltration		0.2					
360 minute summer	76	464	8.364	0.729	18.4	0.1108	0.0000 OK	6.012	76_OUT	7.8	0.010	0.005	5.4379		
								Infiltration		0.2					
360 minute summer	76_OUT	464	8.365	0.730	7.8	0.1168	0.0000 OK	Infiltration		0.2					

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Results for 1000 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 98.11%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	1	120	9.800	0.500	0.4	0.0000	0.0000	FLOOD RISK	1.000	2	-0.4	-0.014	-0.020	0.4653	
360 minute winter	2	120	9.800	0.550	3.3	0.0000	0.0000	FLOOD RISK	1.001	3	-3.3	-0.104	-0.164	1.1284	
360 minute winter	3	120	9.800	0.650	5.7	0.0000	0.0000	FLOOD RISK	1.002	4	-5.7	-0.181	-0.288	0.4986	
360 minute winter	4	120	9.800	0.700	8.4	0.0000	0.0000	FLOOD RISK	1.003	5	-8.4	-0.204	-0.277	0.8441	
360 minute winter	5	120	9.800	0.800	7.7	0.0000	0.0000	FLOOD RISK	1.004	6	-7.7	-0.245	-0.255	0.1621	
360 minute winter	6	120	9.800	0.900	37.7	16.4335	0.0000	FLOOD RISK	1.005	7	37.2	0.760	0.787	0.7796	
360 minute winter	7	120	9.800	1.050	58.3	8.5359	0.0000	FLOOD RISK	1.006	8	58.4	0.751	0.832	2.4823	
360 minute winter	8	120	9.800	1.250	100.8	15.2618	0.0000	FLOOD RISK	1.007	9	101.1	0.808	0.935	5.9230	
360 minute winter	9	120	9.800	1.450	170.9	22.7084	0.0000	FLOOD RISK	1.008	10	171.2	0.875	0.722	3.1360	
360 minute winter	10	120	9.800	1.500	184.3	4.1830	0.0000	FLOOD RISK	1.009	11	184.3	0.942	1.247	47.8613	
360 minute winter	11	116	9.800	1.800	184.3	0.0000	0.0000	FLOOD RISK	1.010	12	185.5	0.949	0.644	53.3276	
360 minute winter	12	56	7.750	1.000	185.5	0.0000	0.0000	FLOOD RISK	1.011	13	215.8	1.480	1.072	0.3277	
360 minute winter	13	184	9.693	0.193	215.8	0.0000	0.0000	OK	1.012	13_OUT	240.3	5.515	0.194	0.3444	
360 minute winter	13_OUT	182	8.017	0.484	240.3	0.0000	0.0000	OK	Flow through pond	49	471.4	0.035	0.000	3739.3635	
360 minute winter	14	128	9.800	0.500	2.3	0.0000	0.0000	FLOOD RISK	2.000	15	-2.3	-0.074	-0.077	0.8136	
360 minute winter	15	128	9.800	0.714	28.7	10.1333	0.0000	FLOOD RISK	2.001	16	28.5	0.676	0.588	0.9254	
360 minute winter	16	128	9.800	0.809	28.5	0.0000	0.0000	FLOOD RISK	2.002	17	28.5	0.666	0.579	0.8329	
360 minute winter	17	128	9.800	0.941	43.0	4.4955	0.0000	FLOOD RISK	2.003	18	43.1	0.687	0.552	1.8750	
360 minute winter	18	136	9.800	1.119	76.5	10.6541	0.0000	FLOOD RISK	2.004	19	76.2	0.715	0.621	5.4890	
360 minute winter	19	136	9.800	1.344	139.7	15.9988	0.0000	FLOOD RISK	2.005	20	139.4	0.775	0.707	4.9628	
360 minute winter	20	136	9.800	1.389	139.4	0.0000	0.0000	FLOOD RISK	2.006	21	139.3	1.088	0.704	3.4979	
360 minute winter	21	136	9.800	1.428	139.3	0.0000	0.0000	FLOOD RISK	2.007	22	139.3	1.050	0.234	3.7404	
360 minute winter	22	136	9.800	1.800	179.0	9.4353	0.0000	FLOOD RISK	2.008	23	178.8	0.814	0.621	53.3017	
360 minute winter	23	48	7.750	1.000	178.8	0.0000	0.0000	FLOOD RISK	2.009	24	279.4	2.042	1.423	0.3195	
360 minute winter	24	200	9.679	0.179	279.4	0.0000	0.0000	OK	2.010	24_OUT	180.3	5.578	0.146	0.3047	
360 minute winter	24_OUT	208	7.982	0.448	180.3	0.0000	0.0000	OK	Flow through pond	49	471.4	0.035	0.000	3739.3635	
360 minute winter	25	184	8.839	0.043	3.2	0.0274	0.0000	OK	3.000	28	3.2	0.576	0.178	0.1960	
360 minute winter	26	184	8.498	0.063	6.4	0.2147	0.0000	OK	3.001	27	5.9	0.794	0.369	0.2850	
									Infiltration		0.5				
360 minute winter	27	182	8.183	0.068	9.1	0.2971	0.0000	OK	3.002	28	8.3	1.038	0.413	0.2636	
									Infiltration		0.7				
360 minute winter	28	184	7.768	0.073	11.5	0.2275	0.0000	OK	3.003	29	11.0	1.243	0.468	0.4056	
									Infiltration		0.5				
360 minute winter	29	216	7.190	0.125	14.2	0.4721	0.0000	OK	3.004	30	13.7	1.412	0.491	0.1131	
									Infiltration		0.8				
360 minute winter	30	224	7.179	0.345	14.3	0.0414	0.0000	OK	3.005	31	13.4	0.154	0.006	7.3753	
360 minute winter	31	224	7.179	0.475	14.0	0.0570	0.0000	OK	3.006	32	10.4	0.083	0.006	6.9654	
									Infiltration		2.5				

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360 minute winter	32	224	7.170	0.525	11.0	0.0630	0.0000	OK	3.007	33	6.3	0.049	0.004	6.2025
									Infiltration		1.9			
									Infiltration		2.1			
360 minute winter	33	224	7.170	0.335	6.9	0.0474	0.0000	OK	3.008	34	5.7	0.152	0.004	4.9340
360 minute winter	34	224	7.170	0.425	6.3	0.0510	0.0000	OK	3.009	35	3.8	0.156	0.002	4.3583
									Infiltration		1.7			
360 minute winter	35	224	7.170	0.495	4.4	0.0594	0.0000	OK	3.010	36	2.1	0.035	0.001	8.1185
									Infiltration		1.4			
360 minute winter	36	224	7.170	0.685	2.7	0.0758	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		2.1			
360 minute winter	37	216	6.601	0.096	0.8	0.0115	0.0000	OK	3.012	38	0.8	0.040	0.000	3.8854
360 minute winter	38	216	6.600	0.335	3.5	0.0403	0.0000	OK	3.013	39	-2.6	-0.068	-0.002	2.6382
									Infiltration		1.3			
									Infiltration		1.9			
360 minute winter	39	216	6.600	0.145	3.3	0.0175	0.0000	OK	3.014	40	-2.7	-0.218	-0.002	0.7028
									Infiltration		0.5			
360 minute winter	40	184	6.713	0.018	2.7	0.0022	0.0000	OK	3.015	41	-2.1	-0.234	-0.001	0.1181
									Infiltration		0.0			
360 minute winter	41	184	6.882	0.017	2.1	0.0020	0.0000	OK	3.016	42	-1.5	-0.198	-0.001	0.0988
									Infiltration		0.0			
360 minute winter	42	184	7.098	0.013	1.5	0.0015	0.0000	OK	3.017	43	-0.9	-0.130	-0.001	0.0961
									Infiltration		0.0			
360 minute winter	43	184	7.161	0.016	1.0	0.0019	0.0000	OK	3.018	44	-0.4	-0.083	0.000	0.0750
									Infiltration		0.0			
360 minute winter	44	184	7.232	0.007	0.5	0.0008	0.0000	OK	3.019	45	0.2	0.045	0.000	0.0608
360 minute winter	45	192	7.207	0.012	0.8	0.0015	0.0000	OK	3.020	46	0.8	0.120	0.000	0.0873
									Infiltration		0.0			
360 minute winter	46	192	7.139	0.014	1.4	0.0016	0.0000	OK	3.021	47	1.4	0.177	0.000	0.5339
									Infiltration		0.0			
360 minute winter	47	256	7.101	0.136	2.0	0.0163	0.0000	OK	3.022	48	2.0	0.092	0.001	2.3693
									Infiltration		0.1			
360 minute winter	48	256	7.101	0.306	2.6	0.0367	0.0000	OK	3.023	53	1.7	0.099	0.002	3.4694
									Infiltration		0.3			
360 minute winter	49	392	7.935	-0.065	488.2	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
360 minute winter	50	8	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
360 minute winter	51	8	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
360 minute winter	52	8	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
360 minute winter	53	256	7.101	0.316	2.3	0.0379	0.0000	OK	3.024	54	1.3	0.117	0.000	5.0735
									Infiltration		0.3			
360 minute winter	54	256	7.101	0.476	1.8	0.0571	0.0000	OK	3.025	54_OUT	0.5	0.034	0.000	8.3597
									Infiltration		0.4			
360 minute winter	54_OUT	256	7.101	0.596	1.1	0.0715	0.0000	OK	Infiltration		0.5			

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360 minute winter	55	256	8.709	0.283	1.7	0.0894	0.0000 SURCHARGED	5.006	56	1.6	0.309	0.221	0.2949	
360 minute winter	56	256	8.709	0.293	3.3	1.4085	0.0000 SURCHARGED	5.001	57	2.7	0.357	0.217	0.3709	
								Infiltration		0.3				
360 minute winter	57	256	8.708	0.338	4.4	2.2055	0.0000 SURCHARGED	5.002	58	3.5	0.298	0.454	0.5462	
								Infiltration		0.4				
360 minute winter	58	264	8.707	0.462	5.3	3.9922	0.0000 SURCHARGED	5.003	59	4.1	0.308	0.558	0.3806	
								Infiltration		0.6				
360 minute winter	59	264	8.707	0.502	5.8	3.2805	0.0000 OK	5.004	60	3.8	0.072	0.005	17.9418	
								Infiltration		0.5				
360 minute winter	60	264	8.707	0.522	5.3	0.1774	0.0000 OK	5.005	61	1.2	0.044	0.001	26.0114	
								Infiltration		0.8				
360 minute winter	61	264	8.707	0.571	2.9	0.1941	0.0000 OK	5.006	62	0.1	0.203	0.004	0.0006	
								Infiltration		1.0				
360 minute winter	62	264	8.268	0.132	1.7	0.0450	0.0000 OK	5.007	63	1.7	0.060	0.001	15.6488	
360 minute winter	63	264	8.268	0.432	3.6	0.1469	0.0000 OK	5.008	63_OUT	-0.7	0.024	0.000	11.1941	
								Infiltration		0.9				
360 minute winter	63_OUT	264	8.268	0.503	1.7	0.1710	0.0000 OK	Infiltration		0.5				
360 minute winter	64	288	6.667	0.482	6.8	0.0772	0.0000 OK	6.000	65	0.3	0.048	0.000	5.4224	
360 minute winter	65	288	6.667	0.542	1.2	0.0868	0.0000 OK	6.001	66	0.2	0.042	0.000	7.1175	
								Infiltration		0.2				
360 minute winter	66	288	6.667	0.574	1.1	0.0807	0.0000 OK	6.002	67	-0.3	0.021	0.000	4.0061	
								Infiltration		0.3				
360 minute winter	67	288	6.667	0.591	0.8	0.0917	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000	
								Infiltration		0.2				
360 minute winter	68	264	6.247	0.171	0.9	0.0256	0.0000 OK	6.004	69	0.7	0.022	0.000	8.3152	
360 minute winter	69	264	6.247	0.482	1.4	0.0771	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000	
								Infiltration		0.5				
360 minute winter	70	296	6.147	0.392	2.0	0.0627	0.0000 OK	6.006	71	3.0	0.050	0.001	3.5476	
360 minute winter	71	296	6.147	0.462	6.8	0.0738	0.0000 OK	6.007	72	11.5	0.067	0.008	10.9427	
								Infiltration		0.2				
360 minute winter	72	296	6.148	0.483	11.5	0.0741	0.0000 OK	6.008	73	11.2	0.794	0.776	0.0311	
								Infiltration		0.5				
360 minute winter	73	344	6.366	0.661	11.8	0.1057	0.0000 OK	6.009	74	11.8	0.017	0.008	4.5859	
360 minute winter	74	344	6.365	0.660	11.8	0.1056	0.0000 OK	6.010	75	10.6	0.043	0.007	5.1870	
								Infiltration		0.2				
360 minute winter	75	344	6.365	0.680	10.6	0.1055	0.0000 OK	6.011	76	9.4	0.034	0.003	5.3832	
								Infiltration		0.2				
360 minute winter	76	344	6.365	0.730	9.4	0.1110	0.0000 OK	6.012	75_OUT	-8.8	-0.011	-0.006	5.4511	
								Infiltration		0.2				
360 minute winter	76_OUT	344	6.366	0.731	3.6	0.1159	0.0000 OK	Infiltration		0.2				

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Results for 1000 year 480 minute summer. 720 minute analysis at 3 minute timestep. Mass balance: 98.81%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	1	192	9.800	0.500	1.7	0.0000	0.0000	FLOOD RISK	1.000	2	-1.7	-0.247	-0.077	0.4853	
480 minute summer	2	192	9.800	0.550	6.4	0.0000	0.0000	FLOOD RISK	1.001	3	-6.4	-0.253	-0.320	1.1284	
480 minute summer	3	192	9.800	0.650	8.1	0.0000	0.0000	FLOOD RISK	1.002	4	-8.1	-0.257	-0.381	0.4988	
480 minute summer	4	192	9.800	0.700	8.8	0.0000	0.0000	FLOOD RISK	1.003	5	-8.8	-0.280	-0.380	0.8441	
480 minute summer	5	192	9.800	0.800	9.4	0.0000	0.0000	FLOOD RISK	1.004	6	-9.4	-0.300	-0.251	0.1621	
480 minute summer	6	192	9.800	0.900	40.0	17.4677	0.0000	FLOOD RISK	1.005	7	40.2	0.822	0.830	0.7796	
480 minute summer	7	192	9.800	1.050	80.8	9.0432	0.0000	FLOOD RISK	1.006	8	81.9	0.795	0.881	2.4923	
480 minute summer	8	200	9.800	1.250	108.0	16.0909	0.0000	FLOOD RISK	1.007	9	104.9	0.838	0.970	5.9230	
480 minute summer	9	200	9.800	1.450	180.9	23.8130	0.0000	FLOOD RISK	1.008	10	179.6	0.918	0.758	3.1360	
480 minute summer	10	200	9.800	1.500	193.9	4.3796	0.0000	FLOOD RISK	1.009	11	193.6	0.990	1.311	47.8613	
480 minute summer	11	208	9.800	1.800	193.6	0.0000	0.0000	FLOOD RISK	1.010	12	194.2	0.990	0.675	53.3278	
480 minute summer	12	64	7.750	1.000	194.2	0.0000	0.0000	FLOOD RISK	1.011	13	318.1	2.192	1.820	0.3158	
480 minute summer	13	240	9.673	0.173	318.1	0.0000	0.0000	OK	1.012	13_OUT	210.0	6.221	0.170	0.3018	
480 minute summer	13_OUT	248	8.013	0.480	210.0	0.0000	0.0000	OK	Flow through pond	49	209.5	0.023	0.000	3510.8958	
480 minute summer	14	200	9.800	0.500	1.0	0.0000	0.0000	FLOOD RISK	2.000	15	-1.0	-0.056	-0.033	0.8136	
480 minute summer	15	200	9.800	0.714	30.5	10.9219	0.0000	FLOOD RISK	2.001	16	30.2	0.617	0.623	0.9254	
480 minute summer	16	208	9.800	0.809	30.2	0.0000	0.0000	FLOOD RISK	2.002	17	30.2	0.617	0.612	0.6320	
480 minute summer	17	208	9.800	0.941	45.8	4.7784	0.0000	FLOOD RISK	2.003	18	45.7	0.604	0.585	1.8756	
480 minute summer	18	208	9.800	1.119	83.6	10.6024	0.0000	FLOOD RISK	2.004	19	83.4	0.667	0.683	5.4890	
480 minute summer	19	208	9.800	1.344	148.7	18.7248	0.0000	FLOOD RISK	2.005	20	148.6	0.760	0.754	4.0528	
480 minute summer	20	208	9.800	1.389	148.6	0.0000	0.0000	FLOOD RISK	2.006	21	148.6	0.948	0.751	3.4979	
480 minute summer	21	208	9.800	1.428	148.6	0.0000	0.0000	FLOOD RISK	2.007	22	148.6	0.904	0.249	3.7404	
480 minute summer	22	208	9.800	1.800	189.6	9.7308	0.0000	FLOOD RISK	2.008	23	189.7	0.970	0.659	53.3017	
480 minute summer	23	64	7.750	1.000	189.7	0.0000	0.0000	FLOOD RISK	2.009	24	301.7	1.936	1.537	0.3275	
480 minute summer	24	248	9.692	0.192	301.7	0.0000	0.0000	OK	2.010	24_OUT	240.0	6.126	0.194	0.3247	
480 minute summer	24_OUT	240	8.018	0.483	240.0	0.0000	0.0000	OK	Flow through pond	49	209.5	0.023	0.000	3510.8958	
480 minute summer	25	248	5.840	0.044	3.4	0.0283	0.0000	OK	3.000	26	3.4	0.586	0.190	0.2571	
480 minute summer	26	248	8.501	0.066	6.8	0.2284	0.0000	OK	3.001	27	6.2	0.805	0.393	0.3092	
									Infiltration		0.6				
480 minute summer	27	248	8.185	0.070	9.6	0.3178	0.0000	OK	3.002	28	8.9	1.052	0.440	0.2750	
									Infiltration		0.8				
480 minute summer	28	248	7.770	0.075	12.3	0.2388	0.0000	OK	3.003	29	11.7	1.220	0.497	0.3450	
									Infiltration		0.5				
480 minute summer	29	248	7.151	0.088	15.1	0.2413	0.0000	OK	3.004	30	14.8	1.433	0.533	0.0953	
									Infiltration		0.5				
480 minute summer	30	280	7.127	0.302	15.4	0.0362	0.0000	OK	3.005	31	14.4	0.141	0.006	6.3072	
480 minute summer	31	280	7.127	0.432	15.0	0.0516	0.0000	OK	3.006	32	11.1	0.104	0.006	6.0978	
									Infiltration		2.0				
480 minute summer	32	280	7.127	0.482	11.7	0.0578	0.0000	OK	3.007	33	6.8	0.059	0.005	5.3626	

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								Infiltration		1.8					
								Infiltration		1.9					
480 minute summer	33	280	7.127	0.352	7.4	0.0422	0.0000 OK	S.008	34	6.0	0.168	0.004	4.2118		
480 minute summer	34	280	7.127	0.382	6.6	0.0458	0.0000 OK	S 009	35	4.0	0.164	0 002	3 7782		
								Infiltration		1.6					
480 minute summer	35	280	7.127	0.452	4.6	0.0542	0 0000 OK	S.010	36	2.1	0 028	0.001	7.2318		
								Infiltration		1.3					
480 minute summer	36	280	7.127	0.622	2.7	0 0709	0.0000 OK	S 011	37	0.0	0.000	0 000	0 0000		
								Infiltration		2.0					
480 minute summer	37	272	6.582	0.077	0.7	0.0092	0.0000 OK	S.012	38	0.6	0.025	0.000	3.3221		
480 minute summer	38	272	6.582	0.317	3.5	0 0380	0.0000 OK	S 013	39	-2.7	-0.073	-0 002	2 3832		
								Infiltration		1.2					
								Infiltration		1.8					
480 minute summer	39	272	6.582	0.127	3.3	0 0152	0.0000 OK	S.014	40	-2.7	-0.224	-0.002	0.6033		
								Infiltration		0.4					
480 minute summer	40	248	6.713	0.018	2.7	0.0022	0.0000 OK	S.015	41	-2.1	-0.234	-0.001	0.1181		
								Infiltration		0.0					
480 minute summer	41	248	6.882	0.017	2.1	0 0020	0.0000 OK	S 016	42	-1.5	-0.198	-0 001	0 0989		
								Infiltration		0.0					
480 minute summer	42	248	7.098	0.013	1.5	0.0015	0 0000 OK	S.017	43	-0.9	-0.130	-0.001	0.0961		
								Infiltration		0.0					
480 minute summer	43	248	7.161	0.018	1.0	0 0019	0.0000 OK	S 018	44	-0.4	-0.063	0 000	0 0750		
								Infiltration		0.0					
480 minute summer	44	248	7.232	0.007	0.6	0.0009	0 0000 OK	S.019	45	0.2	0 046	0.000	0.0606		
480 minute summer	45	248	7.297	0.012	0.5	0.0015	0.0000 OK	S 020	46	0.8	0.120	0 000	0 0573		
								Infiltration		0.0					
480 minute summer	46	248	7.139	0.014	1.4	0.0016	0 0000 OK	S.021	47	1.4	0.177	0.000	0.4342		
								Infiltration		0.0					
480 minute summer	47	304	7.062	0.097	2.0	0 0117	0.0000 OK	S 022	48	2.0	0.078	0 001	1 8720		
								Infiltration		0.1					
480 minute summer	48	304	7.062	0.267	2.6	0.0321	0 0000 OK	S.023	53	1.7	0 079	0.002	2.8918		
								Infiltration		0.2					
480 minute summer	49	544	7.909	-0 091	264 5	0 0000	0.0000 OK	Orifice	50	0.0					
								Infiltration		0.0					
480 minute summer	50	8	7.460	0.000	0.0	0.0000	0 0000 OK	S.001	51	0.0	0.000	0.000	0.0000		
480 minute summer	51	8	7.300	0.000	0.0	0 0000	0.0000 OK	S 002	52	0.0	0.000	0 000	0 0000		
480 minute summer	52	8	7.200	0.000	0.0	0.0000	0.0000 OK	S.003	53	0.0	0.000	0.000	0.0000		
480 minute summer	53	304	7.062	0.277	2.3	0.0333	0 0000 OK	S.024	54	1.2	0.117	0.000	4.3905		
								Infiltration		0.3					
480 minute summer	54	304	7.062	0.437	1.8	0 0525	0.0000 OK	S 025	54_OUT	0.6	0.035	0 000	7 4593		
								Infiltration		0.4					
480 minute summer	54_OUT	304	7.062	0.557	1.1	0.0669	0 0000 OK	Infiltration		0.5					
480 minute summer	55	312	8.853	0.267	1.8	0.0704	0.0000 SURCHARGED	S.000	56	1.8	0.315	0.222	0.2949		
480 minute summer	56	312	8.853	0.237	3.4	1 1067	0.0000 SURCHARGED	S 001	57	2.7	0.357	0 217	0 3709		

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								Infiltration		0.3					
480 minute summer	57	312	8.653	0.343	4.5	1.8347	0.0000 SURCHARGED	5.002	58	3.7	0.289	0.458	0.5462		
								Infiltration		0.4					
480 minute summer	58	312	8.652	0.407	5.5	3.4575	0.0000 SURCHARGED	5.003	59	4.2	0.280	0.585	0.3906		
								Infiltration		0.6					
480 minute summer	59	312	8.651	0.446	6.0	2.8724	0.0000 OK	5.004	60	3.6	0.061	0.005	15.1219		
								Infiltration		0.5					
480 minute summer	60	312	8.651	0.466	5.4	0.1586	0.0000 OK	5.005	61	1.2	0.041	0.001	22.1368		
								Infiltration		0.7					
480 minute summer	61	312	8.651	0.515	3.0	0.1753	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		1.0					
480 minute summer	62	312	8.235	0.099	1.9	0.0336	0.0000 OK	5.007	63	1.8	0.057	0.001	13.6188		
480 minute summer	63	320	8.235	0.399	3.9	0.1356	0.0000 OK	5.008	63_OUT	-0.8	0.023	0.000	10.0531		
								Infiltration		0.9					
480 minute summer	63_OUT	320	8.235	0.470	1.8	0.1598	0.0000 OK	Infiltration		0.5					
480 minute summer	64	336	8.608	0.423	0.9	0.0675	0.0000 OK	6.000	65	0.4	0.042	0.000	4.5088		
480 minute summer	65	336	8.608	0.483	1.3	0.0772	0.0000 OK	6.001	66	0.2	0.042	0.000	5.9973		
								Infiltration		0.2					
480 minute summer	66	336	8.608	0.515	1.3	0.0813	0.0000 OK	6.002	67	-0.4	0.002	0.000	3.3970		
								Infiltration		0.3					
480 minute summer	67	336	8.608	0.532	0.9	0.0824	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
480 minute summer	68	312	8.209	0.133	1.0	0.0206	0.0000 OK	6.004	69	0.7	0.031	0.000	7.1108		
480 minute summer	69	312	8.209	0.444	1.6	0.0710	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
480 minute summer	70	312	8.033	0.278	1.2	0.0445	0.0000 OK	6.006	71	2.6	0.035	0.001	2.3503		
480 minute summer	71	312	8.033	0.348	5.4	0.0557	0.0000 OK	6.007	72	9.8	0.147	0.007	7.2614		
								Infiltration		0.1					
480 minute summer	72	312	8.033	0.348	9.9	0.0557	0.0000 OK	6.008	73	10.7	0.780	0.747	0.0311		
								Infiltration		0.4					
480 minute summer	73	480	8.367	0.862	10.8	0.1058	0.0000 OK	6.009	74	9.1	0.016	0.006	4.5967		
480 minute summer	74	480	8.366	0.861	9.3	0.1058	0.0000 OK	6.010	75	10.3	0.043	0.007	5.1927		
								Infiltration		0.2					
480 minute summer	75	480	8.365	0.860	10.5	0.1056	0.0000 OK	6.011	76	9.3	0.032	0.003	5.3783		
								Infiltration		0.2					
480 minute summer	76	480	8.365	0.730	9.5	0.1109	0.0000 OK	6.012	76_OUT	3.8	0.006	0.003	5.4448		
								Infiltration		0.2					
480 minute summer	76_OUT	480	8.365	0.730	4.0	0.1166	0.0000 OK	Infiltration		0.2					

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Results for 1000 year 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 98.18%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	1	168	9.800	0.500	0.2	0.0000	0.0000	FLOOD RISK	1.000	2	-0.2	-0.007	-0.010	0.4653	
480 minute winter	2	168	9.800	0.550	4.0	0.0000	0.0000	FLOOD RISK	1.001	3	-4.0	-0.275	-0.202	1.1284	
480 minute winter	3	168	9.800	0.650	8.8	0.0000	0.0000	FLOOD RISK	1.002	4	-8.8	-0.277	-0.405	0.4986	
480 minute winter	4	168	9.800	0.700	9.2	0.0000	0.0000	FLOOD RISK	1.003	5	-9.2	-0.295	-0.462	0.8441	
480 minute winter	5	168	9.800	0.800	10.1	0.0000	0.0000	FLOOD RISK	1.004	6	-10.1	-0.321	-0.259	0.1621	
480 minute winter	6	168	9.800	0.900	29.8	13.1606	0.0000	FLOOD RISK	1.005	7	29.8	0.691	0.615	0.7796	
480 minute winter	7	176	9.800	1.050	46.8	6.9923	0.0000	FLOOD RISK	1.006	8	46.8	0.679	0.686	2.4823	
480 minute winter	8	176	9.800	1.250	80.9	12.6398	0.0000	FLOOD RISK	1.007	9	80.8	0.692	0.747	5.9230	
480 minute winter	9	176	9.800	1.450	137.4	19.5870	0.0000	FLOOD RISK	1.008	10	137.2	0.701	0.579	3.1360	
480 minute winter	10	176	9.800	1.500	147.9	3.6303	0.0000	FLOOD RISK	1.009	11	147.8	0.756	1.000	47.8613	
480 minute winter	11	192	9.800	1.800	147.8	0.0000	0.0000	FLOOD RISK	1.010	12	147.8	0.756	0.513	53.3276	
480 minute winter	12	64	7.750	1.000	147.8	0.0000	0.0000	FLOOD RISK	1.011	13	147.8	1.070	0.753	0.2833	
480 minute winter	13	248	9.615	0.115	147.8	0.0000	0.0000	OK	1.012	13_OUT	147.8	4.383	0.119	0.2030	
480 minute winter	13_OUT	512	7.966	0.433	147.8	0.0000	0.0000	OK	Flow through pond	49	376.1	0.633	0.000	3977.3274	
480 minute winter	14	184	9.800	0.500	1.0	0.0000	0.0000	FLOOD RISK	2.000	15	-1.0	-0.633	-0.035	0.8136	
480 minute winter	15	184	9.800	0.714	22.7	6.4314	0.0000	FLOOD RISK	2.001	16	22.7	0.619	0.468	0.9254	
480 minute winter	16	184	9.800	0.809	22.7	0.0000	0.0000	FLOOD RISK	2.002	17	22.7	0.622	0.460	0.8329	
480 minute winter	17	192	9.800	0.941	34.4	3.8913	0.0000	FLOOD RISK	2.003	18	34.3	0.622	0.439	1.8756	
480 minute winter	18	192	9.800	1.119	62.5	8.8935	0.0000	FLOOD RISK	2.004	19	62.5	0.670	0.497	5.4890	
480 minute winter	19	192	9.800	1.344	111.1	14.4958	0.0000	FLOOD RISK	2.005	20	111.1	0.715	0.563	4.0628	
480 minute winter	20	192	9.800	1.389	111.1	0.0000	0.0000	FLOOD RISK	2.006	21	111.1	1.006	0.561	3.4979	
480 minute winter	21	192	9.800	1.428	111.1	0.0000	0.0000	FLOOD RISK	2.007	22	111.1	0.982	0.186	3.7404	
480 minute winter	22	192	9.800	1.800	142.5	8.7917	0.0000	FLOOD RISK	2.008	23	142.5	0.728	0.495	53.3017	
480 minute winter	23	64	7.750	1.000	142.5	0.0000	0.0000	FLOOD RISK	2.009	24	142.5	1.035	0.726	0.2825	
480 minute winter	24	248	9.613	0.113	142.5	0.0000	0.0000	OK	2.010	24_OUT	142.5	4.319	0.115	0.1975	
480 minute winter	24_OUT	512	7.966	0.433	142.5	0.0000	0.0000	OK	Flow through pond	49	376.1	0.633	0.000	3977.3274	
480 minute winter	25	248	8.835	0.038	2.6	0.0247	0.0000	OK	3.000	28	2.6	0.546	0.145	0.1697	
480 minute winter	26	248	8.491	0.056	5.2	0.1743	0.0000	OK	3.001	27	4.7	0.753	0.298	0.2519	
									Infiltration		0.5				
480 minute winter	27	248	8.175	0.050	7.3	0.2371	0.0000	OK	3.002	28	6.7	0.978	0.333	0.2247	
									Infiltration		0.5				
480 minute winter	28	248	7.759	0.064	9.3	0.1841	0.0000	OK	3.003	29	8.8	1.205	0.375	0.2758	
									Infiltration		0.4				
480 minute winter	29	240	7.137	0.072	11.4	0.1755	0.0000	OK	3.004	30	11.1	1.348	0.400	0.0844	
									Infiltration		0.4				
480 minute winter	30	288	7.108	0.283	11.5	0.0338	0.0000	OK	3.005	31	11.1	0.151	0.005	5.8505	
480 minute winter	31	296	7.108	0.413	11.5	0.0495	0.0000	OK	3.006	32	8.6	0.093	0.005	5.7245	
									Infiltration		2.2				

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480 minute winter	32	296	7.108	0.483	9.1	0.0555	0.0000	OK	3.007	33	5.0	0.050	0.003	5.0306
									Infiltration		1.7			
									Infiltration		1.9			
480 minute winter	33	296	7.108	0.333	5.5	0.0399	0.0000	OK	3.008	34	4.7	0.157	0.003	3.9026
480 minute winter	34	296	7.108	0.383	5.2	0.0435	0.0000	OK	3.009	35	3.2	0.158	0.001	3.5291
									Infiltration		1.5			
480 minute winter	35	296	7.108	0.433	3.7	0.0519	0.0000	OK	3.010	36	1.8	0.035	0.001	6.5484
									Infiltration		1.2			
480 minute winter	36	288	7.108	0.603	2.3	0.0667	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.9			
480 minute winter	37	264	6.553	0.048	0.5	0.0058	0.0000	OK	3.012	38	0.5	0.040	0.000	2.7835
480 minute winter	38	264	6.553	0.258	3.1	0.0348	0.0000	OK	3.013	39	-2.3	-0.068	-0.002	2.0179
									Infiltration		1.1			
									Infiltration		1.6			
480 minute winter	39	264	6.553	0.098	2.7	0.0118	0.0000	OK	3.014	40	-2.2	-0.218	-0.001	0.4567
									Infiltration		0.3			
480 minute winter	40	248	6.711	0.018	2.3	0.0019	0.0000	OK	3.015	41	-1.8	-0.218	-0.001	0.1053
									Infiltration		0.0			
480 minute winter	41	248	6.880	0.015	1.8	0.0018	0.0000	OK	3.016	42	-1.3	-0.185	-0.001	0.0882
									Infiltration		0.0			
480 minute winter	42	248	7.096	0.011	1.3	0.0014	0.0000	OK	3.017	43	-0.8	-0.121	-0.001	0.0859
									Infiltration		0.0			
480 minute winter	43	248	7.159	0.014	0.8	0.0017	0.0000	OK	3.018	44	-0.3	-0.059	0.000	0.0671
									Infiltration		0.0			
480 minute winter	44	248	7.232	0.007	0.5	0.0008	0.0000	OK	3.019	45	0.2	0.043	0.000	0.0543
480 minute winter	45	248	7.206	0.011	0.7	0.0013	0.0000	OK	3.020	46	0.7	0.112	0.000	0.0779
									Infiltration		0.0			
480 minute winter	46	248	7.137	0.012	1.2	0.0015	0.0000	OK	3.021	47	1.1	0.185	0.000	0.4987
									Infiltration		0.0			
480 minute winter	47	320	7.075	0.110	1.6	0.0132	0.0000	OK	3.022	48	1.6	0.077	0.001	2.0279
									Infiltration		0.1			
480 minute winter	48	320	7.075	0.280	2.1	0.0336	0.0000	OK	3.023	53	1.4	0.088	0.002	3.0735
									Infiltration		0.2			
480 minute winter	49	536	7.960	-0.040	421.3	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
480 minute winter	50	8	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
480 minute winter	51	8	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
480 minute winter	52	8	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
480 minute winter	53	320	7.075	0.290	1.9	0.0348	0.0000	OK	3.024	54	1.0	0.117	0.000	4.5083
									Infiltration		0.3			
480 minute winter	54	320	7.075	0.450	1.5	0.0540	0.0000	OK	3.025	54_OUT	0.5	0.034	0.000	7.7518
									Infiltration		0.4			
480 minute winter	54_OUT	320	7.075	0.570	1.0	0.0684	0.0000	OK	Infiltration		0.5			

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480 minute winter	55	328	8.686	0.240	1.4	0.0815	0.0000 SURCHARGED	5.000	56	1.3	0.296	0.177	0.2949	
480 minute winter	56	344	8.685	0.259	2.7	1.2815	0.0000 SURCHARGED	5.001	57	2.2	0.348	0.174	0.3709	
								Infiltration		0.3				
480 minute winter	57	344	8.685	0.375	3.6	2.0512	0.0000 SURCHARGED	5.002	58	2.9	0.293	0.351	0.5462	
								Infiltration		0.4				
480 minute winter	58	336	8.684	0.439	4.3	3.7716	0.0000 SURCHARGED	5.003	59	3.2	0.279	0.436	0.3806	
								Infiltration		0.6				
480 minute winter	59	336	8.684	0.479	4.8	3.1003	0.0000 OK	5.004	60	2.8	0.061	0.004	16.7502	
								Infiltration		0.5				
480 minute winter	60	336	8.684	0.499	4.2	0.1897	0.0000 OK	5.005	61	1.0	0.041	0.001	24.3756	
								Infiltration		0.7				
480 minute winter	61	336	8.684	0.548	2.4	0.1883	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000	
								Infiltration		1.0				
480 minute winter	62	344	8.257	0.121	1.4	0.0410	0.0000 OK	5.007	63	1.4	0.055	0.001	15.0546	
480 minute winter	63	344	8.256	0.420	3.0	0.1429	0.0000 OK	5.008	63_OUT	-0.5	0.023	0.000	10.7895	
								Infiltration		0.9				
480 minute winter	63_OUT	344	8.256	0.491	1.4	0.1671	0.0000 OK	Infiltration		0.5				
480 minute winter	64	368	6.660	0.475	0.8	0.0759	0.0000 OK	6.000	65	0.3	0.048	0.000	5.2996	
480 minute winter	65	368	6.660	0.535	0.9	0.0855	0.0000 OK	6.001	66	0.2	0.042	0.000	6.9673	
								Infiltration		0.2				
480 minute winter	66	368	6.660	0.587	0.8	0.0895	0.0000 OK	6.002	67	-0.2	0.021	0.000	3.9246	
								Infiltration		0.3				
480 minute winter	67	368	6.660	0.584	0.8	0.0905	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000	
								Infiltration		0.2				
480 minute winter	68	344	6.238	0.180	0.7	0.0248	0.0000 OK	6.004	69	0.5	0.022	0.000	7.9583	
480 minute winter	69	344	6.238	0.471	1.1	0.0754	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000	
								Infiltration		0.4				
480 minute winter	70	376	6.133	0.378	2.3	0.0605	0.0000 OK	6.006	71	-2.3	0.050	-0.001	3.4789	
480 minute winter	71	376	6.133	0.448	6.5	0.0717	0.0000 OK	6.007	72	9.5	0.127	0.006	10.4543	
								Infiltration		0.2				
480 minute winter	72	376	6.133	0.448	9.6	0.0718	0.0000 OK	6.008	73	10.6	0.674	0.737	0.0310	
								Infiltration		0.5				
480 minute winter	73	488	6.366	0.661	10.8	0.1057	0.0000 OK	6.009	74	9.3	0.018	0.006	4.5891	
480 minute winter	74	488	6.366	0.661	9.3	0.1057	0.0000 OK	6.010	75	9.9	0.043	0.007	5.1916	
								Infiltration		0.2				
480 minute winter	75	528	6.368	0.681	9.9	0.1057	0.0000 OK	6.011	76	19.5	0.034	0.006	5.4005	
								Infiltration		0.2				
480 minute winter	76	528	6.367	0.732	19.8	0.1112	0.0000 OK	6.012	75_OUT	9.5	0.012	0.006	5.4681	
								Infiltration		0.2				
480 minute winter	76_OUT	528	6.367	0.732	9.5	0.1171	0.0000 OK	Infiltration		0.2				

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Results for 1000 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 98.07%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	1	255	9.800	0.500	1.6	0.0000	0.0000	FLOOD RISK	1.000	2	-1.6	-0.089	-0.074	0.4853	
600 minute summer	2	255	9.800	0.550	5.7	0.0000	0.0000	FLOOD RISK	1.001	3	-5.7	-0.193	-0.285	1.1264	
600 minute summer	3	255	9.800	0.650	7.2	0.0000	0.0000	FLOOD RISK	1.002	4	-7.2	-0.229	-0.339	0.4986	
600 minute summer	4	255	9.800	0.700	7.8	0.0000	0.0000	FLOOD RISK	1.003	5	-7.8	-0.249	-0.338	0.8441	
600 minute summer	5	255	9.800	0.800	8.4	0.0000	0.0000	FLOOD RISK	1.004	6	-8.4	-0.267	-0.224	0.1821	
600 minute summer	6	255	9.800	0.900	32.2	14.2648	0.0000	FLOOD RISK	1.005	7	31.8	0.650	0.655	0.7796	
600 minute summer	7	255	9.800	1.050	50.4	7.5274	0.0000	FLOOD RISK	1.006	8	50.2	0.645	0.716	2.4923	
600 minute summer	8	255	9.800	1.250	87.5	13.6839	0.0000	FLOOD RISK	1.007	9	87.3	0.698	0.807	5.9230	
600 minute summer	9	255	9.800	1.450	148.5	20.6984	0.0000	FLOOD RISK	1.008	10	148.3	0.758	0.626	3.1360	
600 minute summer	10	255	9.800	1.500	159.9	3.8279	0.0000	FLOOD RISK	1.009	11	159.9	0.817	1.082	47.8613	
600 minute summer	11	270	9.800	1.800	159.9	0.0000	0.0000	FLOOD RISK	1.010	12	159.8	0.817	0.555	53.3278	
600 minute summer	12	90	7.750	1.000	159.8	0.0000	0.0000	FLOOD RISK	1.011	13	159.8	1.148	0.814	0.2857	
600 minute summer	13	315	9.620	0.120	159.5	0.0000	0.0000	OK	1.012	13_OUT	159.8	4.483	0.129	0.2148	
600 minute summer	13_OUT	315	7.931	0.397	159.8	0.0000	0.0000	OK	Flow through pond	49	214.7	0.620	0.000	3865.4248	
600 minute summer	14	270	9.800	0.500	2.2	0.0000	0.0000	FLOOD RISK	2.000	15	-2.2	-0.137	-0.073	0.8136	
600 minute summer	15	270	9.800	0.714	24.5	9.0818	0.0000	FLOOD RISK	2.001	16	24.6	0.571	0.507	0.9254	
600 minute summer	16	270	9.800	0.809	24.6	0.0000	0.0000	FLOOD RISK	2.002	17	24.6	0.573	0.499	0.6320	
600 minute summer	17	270	9.800	0.941	37.3	4.1259	0.0000	FLOOD RISK	2.003	18	37.3	0.568	0.477	1.8756	
600 minute summer	18	270	9.800	1.119	67.9	9.3485	0.0000	FLOOD RISK	2.004	19	67.9	0.611	0.539	5.4890	
600 minute summer	19	270	9.800	1.344	120.5	15.0980	0.0000	FLOOD RISK	2.005	20	120.4	0.627	0.611	4.0528	
600 minute summer	20	270	9.800	1.389	120.4	0.0000	0.0000	FLOOD RISK	2.006	21	120.4	0.883	0.609	3.4979	
600 minute summer	21	270	9.800	1.428	120.4	0.0000	0.0000	FLOOD RISK	2.007	22	120.4	0.852	0.202	3.7404	
600 minute summer	22	255	9.800	1.800	154.4	9.0517	0.0000	FLOOD RISK	2.008	23	154.4	0.790	0.536	53.3017	
600 minute summer	23	75	7.750	1.000	154.4	0.0000	0.0000	FLOOD RISK	2.009	24	154.4	1.113	0.787	0.2549	
600 minute summer	24	315	9.617	0.117	154.4	0.0000	0.0000	OK	2.010	24_OUT	154.4	4.420	0.125	0.2092	
600 minute summer	24_OUT	600	7.928	0.395	154.4	0.0000	0.0000	OK	Flow through pond	49	214.7	0.620	0.000	3865.4248	
600 minute summer	25	315	8.836	0.040	2.8	0.0258	0.0000	OK	3.000	26	2.8	0.558	0.156	0.1793	
600 minute summer	26	315	8.494	0.059	5.6	0.1675	0.0000	OK	3.001	27	5.1	0.767	0.323	0.2660	
									Infiltration		0.5				
600 minute summer	27	315	8.178	0.063	7.9	0.2571	0.0000	OK	3.002	28	7.2	1.000	0.359	0.2363	
									Infiltration		0.7				
600 minute summer	28	315	7.761	0.066	10.0	0.1945	0.0000	OK	3.003	29	9.6	1.156	0.406	0.2963	
									Infiltration		0.5				
600 minute summer	29	315	7.141	0.078	12.4	0.1949	0.0000	OK	3.004	30	12.0	1.412	0.433	0.0854	
									Infiltration		0.4				
600 minute summer	30	345	7.079	0.254	12.5	0.0304	0.0000	OK	3.005	31	11.9	0.138	0.005	5.1825	
600 minute summer	31	345	7.078	0.383	12.4	0.0460	0.0000	OK	3.006	32	9.2	0.065	0.005	5.1754	
									Infiltration		2.1				
600 minute summer	32	345	7.078	0.433	9.7	0.0520	0.0000	OK	3.007	33	5.5	0.053	0.004	4.5141	

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								Infiltration		1.7					
								Infiltration		1.8					
600 minute summer	33	345	7.078	0.303	6.0	0.0364	0.0000 OK	S.008	34	5.0	0.147	0.004	3.4508		
600 minute summer	34	345	7.078	0.333	5.5	0.0400	0.0000 OK	S.009	35	3.4	0.145	0.001	3.1637		
								Infiltration		1.4					
600 minute summer	35	345	7.078	0.403	3.9	0.0484	0.0000 OK	S.010	36	1.9	0.027	0.001	6.2826		
								Infiltration		1.2					
600 minute summer	36	345	7.078	0.573	2.4	0.0554	0.0000 OK	S.011	37	0.0	0.000	0.000	0.0000		
								Infiltration		1.9					
600 minute summer	37	330	6.545	0.040	0.5	0.0048	0.0000 OK	S.012	38	0.5	0.023	0.000	2.6290		
600 minute summer	38	330	6.545	0.260	3.1	0.0308	0.0000 OK	S.013	39	-2.2	-0.067	-0.001	1.9128		
								Infiltration		1.1					
								Infiltration		1.6					
600 minute summer	39	330	6.545	0.090	2.7	0.0108	0.0000 OK	S.014	40	-2.2	-0.201	-0.001	0.4161		
								Infiltration		0.3					
600 minute summer	40	315	6.711	0.015	2.3	0.0019	0.0000 OK	S.015	41	-1.8	-0.218	-0.001	0.1053		
								Infiltration		0.0					
600 minute summer	41	315	6.880	0.015	1.6	0.0018	0.0000 OK	S.016	42	-1.3	-0.185	-0.001	0.0582		
								Infiltration		0.0					
600 minute summer	42	315	7.096	0.011	1.3	0.0014	0.0000 OK	S.017	43	-0.8	-0.121	-0.001	0.0859		
								Infiltration		0.0					
600 minute summer	43	315	7.159	0.014	0.8	0.0017	0.0000 OK	S.018	44	-0.3	-0.059	0.000	0.0571		
								Infiltration		0.0					
600 minute summer	44	315	7.232	0.007	0.5	0.0008	0.0000 OK	S.019	45	0.2	0.043	0.000	0.0543		
600 minute summer	45	315	7.296	0.011	0.7	0.0013	0.0000 OK	S.020	46	0.7	0.112	0.000	0.0779		
								Infiltration		0.0					
600 minute summer	46	315	7.137	0.012	1.2	0.0015	0.0000 OK	S.021	47	1.1	0.164	0.000	0.3806		
								Infiltration		0.0					
600 minute summer	47	390	7.047	0.082	1.6	0.0099	0.0000 OK	S.022	48	1.6	0.079	0.000	1.6695		
								Infiltration		0.1					
600 minute summer	48	390	7.047	0.252	2.1	0.0303	0.0000 OK	S.023	53	1.4	0.065	0.002	2.6779		
								Infiltration		0.2					
600 minute summer	49	840	7.925	-0.075	306.8	0.0000	0.0000 OK	Orifice	50	0.0					
								Infiltration		0.0					
600 minute summer	50	15	7.400	0.000	0.0	0.0000	0.0000 OK	S.001	51	0.0	0.000	0.000	0.0000		
600 minute summer	51	15	7.300	0.000	0.0	0.0000	0.0000 OK	S.002	52	0.0	0.000	0.000	0.0000		
600 minute summer	52	15	7.200	0.000	0.0	0.0000	0.0000 OK	S.003	53	0.0	0.000	0.000	0.0000		
600 minute summer	53	390	7.047	0.262	1.9	0.0315	0.0000 OK	S.024	54	1.0	0.117	0.000	4.1363		
								Infiltration		0.3					
600 minute summer	54	390	7.047	0.422	1.5	0.0507	0.0000 OK	S.025	54_OUT	0.6	0.032	0.000	7.1359		
								Infiltration		0.3					
600 minute summer	54_OUT	390	7.047	0.542	0.9	0.0651	0.0000 OK	Infiltration		0.5					
600 minute summer	55	375	6.826	0.180	1.5	0.0512	0.0000 SURCHARGED	S.000	56	1.4	0.303	0.189	0.2949		
600 minute summer	56	375	6.826	0.210	2.8	0.9613	0.0000 SURCHARGED	S.001	57	2.2	0.333	0.178	0.3709		

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								Infiltration		0.3					
600 minute summer	57	390	8.625	0.315	3.7	1.8531	0.0000 SURCHARGED	S.002	S8	3.0	0.276	0.377	0.5462		
								Infiltration		0.4					
600 minute summer	58	390	8.625	0.380	4.5	3.1985	0.0000 SURCHARGED	S.003	S9	3.4	0.270	0.480	0.3906		
								Infiltration		0.6					
600 minute summer	59	390	8.625	0.420	4.9	2.6864	0.0000 OK	S.004	S0	2.9	0.056	0.004	13.8439		
								Infiltration		0.4					
600 minute summer	60	390	8.625	0.440	4.4	0.1495	0.0000 OK	S.005	S1	1.0	0.030	0.001	20.3762		
								Infiltration		0.7					
600 minute summer	61	390	8.625	0.489	2.5	0.1662	0.0000 OK	S.006	S2	0.0	0.000	0.000	0.0000		
								Infiltration		0.9					
600 minute summer	62	390	8.220	0.084	1.5	0.0287	0.0000 OK	S.007	S3	1.4	0.051	0.001	12.6821		
600 minute summer	63	390	8.220	0.384	3.2	0.1306	0.0000 OK	S.008	S3_OUT	-0.4	0.018	0.000	9.5582		
								Infiltration		0.8					
600 minute summer	63_OUT	390	8.220	0.455	1.5	0.1548	0.0000 OK	Infiltration		0.5					
600 minute summer	64	405	8.622	0.437	0.7	0.0699	0.0000 OK	S.000	S5	0.3	0.040	0.000	4.7213		
600 minute summer	65	405	8.622	0.497	1.0	0.0795	0.0000 OK	S.001	S6	0.2	0.023	0.000	6.2584		
								Infiltration		0.2					
600 minute summer	66	405	8.622	0.529	1.0	0.0839	0.0000 OK	S.002	S7	-0.3	0.002	0.000	3.5391		
								Infiltration		0.3					
600 minute summer	67	405	8.622	0.548	0.7	0.0848	0.0000 OK	S.003	S8	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
600 minute summer	68	390	8.215	0.139	0.7	0.0216	0.0000 OK	S.004	S9	0.6	0.018	0.000	7.3193		
600 minute summer	69	390	8.216	0.451	1.2	0.0721	0.0000 OK	S.005	S0	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
600 minute summer	70	420	8.058	0.360	1.2	0.0484	0.0000 OK	S.006	S1	2.2	0.023	0.001	2.6110		
600 minute summer	71	420	8.058	0.373	4.7	0.0595	0.0000 OK	S.007	S2	9.0	0.038	0.006	7.9758		
								Infiltration		0.2					
600 minute summer	72	420	8.056	0.571	9.1	0.0594	0.0000 OK	S.008	S3	10.7	0.778	0.747	0.0310		
								Infiltration		0.4					
600 minute summer	73	615	8.364	0.659	10.8	0.1055	0.0000 OK	S.009	S4	9.0	0.016	0.006	4.5757		
600 minute summer	74	615	8.365	0.660	9.1	0.1055	0.0000 OK	S.010	S5	7.0	0.042	0.005	5.1789		
								Infiltration		0.2					
600 minute summer	75	615	8.364	0.659	7.1	0.1054	0.0000 OK	S.011	S6	5.0	0.021	0.002	5.3764		
								Infiltration		0.2					
600 minute summer	76	615	8.365	0.730	5.1	0.1109	0.0000 OK	S.012	S6_OUT	2.2	0.004	0.001	5.4477		
								Infiltration		0.2					
600 minute summer	76_OUT	615	8.366	0.731	2.3	0.1169	0.0000 OK	Infiltration		0.2					

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Results for 1000 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 88.35%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	1	240	9.800	0.500	0.9	0.0000	0.0000	FLOOD RISK	1.000	2	-0.9	-0.027	-0.039	0.4653	
600 minute winter	2	240	9.800	0.550	1.8	0.0000	0.0000	FLOOD RISK	1.001	3	-1.8	-0.053	-0.083	1.1284	
600 minute winter	3	240	9.800	0.650	2.3	0.0000	0.0000	FLOOD RISK	1.002	4	-2.3	-0.074	-0.110	0.4986	
600 minute winter	4	240	9.800	0.700	3.5	0.0000	0.0000	FLOOD RISK	1.003	5	-3.5	-0.112	-0.152	0.8441	
600 minute winter	5	240	9.800	0.800	4.1	0.0000	0.0000	FLOOD RISK	1.004	6	-4.1	-0.131	-0.110	0.1621	
600 minute winter	6	240	9.800	0.900	24.7	11.0422	0.0000	FLOOD RISK	1.005	7	24.7	0.647	0.509	0.7796	
600 minute winter	7	240	9.800	1.050	38.8	5.9826	0.0000	FLOOD RISK	1.006	8	38.8	0.637	0.553	2.4823	
600 minute winter	8	240	9.800	1.250	67.3	11.2332	0.0000	FLOOD RISK	1.007	9	67.3	0.647	0.622	5.9230	
600 minute winter	9	240	9.800	1.450	114.2	17.4784	0.0000	FLOOD RISK	1.008	10	114.2	0.621	0.482	3.1360	
600 minute winter	10	240	9.800	1.500	123.0	3.2550	0.0000	FLOOD RISK	1.009	11	123.0	0.629	0.832	47.8613	
600 minute winter	11	270	9.800	1.800	123.0	0.0000	0.0000	FLOOD RISK	1.010	12	123.0	0.647	0.427	53.3276	
600 minute winter	12	90	7.750	1.000	123.0	0.0000	0.0000	FLOOD RISK	1.011	13	123.0	0.908	0.626	0.2782	
600 minute winter	13	315	9.605	0.105	123.0	0.0000	0.0000	OK	1.012	13_OUT	123.0	4.138	0.099	0.1781	
600 minute winter	13_OUT	615	7.986	0.453	123.0	0.0000	0.0000	OK	Flow through pond	49	254.7	0.023	0.000	4157.2090	
600 minute winter	14	255	9.800	0.500	3.7	0.0000	0.0000	FLOOD RISK	2.000	15	-3.7	-0.198	-0.124	0.8136	
600 minute winter	15	255	9.800	0.714	18.6	7.2051	0.0000	FLOOD RISK	2.001	16	18.6	0.586	0.388	0.9254	
600 minute winter	16	255	9.800	0.809	18.6	0.0000	0.0000	FLOOD RISK	2.002	17	18.6	0.589	0.382	0.8329	
600 minute winter	17	255	9.800	0.941	28.5	3.4467	0.0000	FLOOD RISK	2.003	18	28.5	0.588	0.385	1.8750	
600 minute winter	18	255	9.800	1.119	51.9	8.6281	0.0000	FLOOD RISK	2.004	19	51.9	0.634	0.412	5.4890	
600 minute winter	19	270	9.800	1.344	92.2	13.3431	0.0000	FLOOD RISK	2.005	20	92.2	0.671	0.468	4.0628	
600 minute winter	20	270	9.800	1.389	92.2	0.0000	0.0000	FLOOD RISK	2.006	21	92.2	0.943	0.466	3.4979	
600 minute winter	21	270	9.800	1.428	92.2	0.0000	0.0000	FLOOD RISK	2.007	22	92.2	0.928	0.155	3.7404	
600 minute winter	22	270	9.800	1.800	118.2	8.2800	0.0000	FLOOD RISK	2.008	23	118.2	0.604	0.410	53.3017	
600 minute winter	23	75	7.750	1.000	118.2	0.0000	0.0000	FLOOD RISK	2.009	24	118.2	0.674	0.602	0.2774	
600 minute winter	24	315	9.603	0.103	118.2	0.0000	0.0000	OK	2.010	24_OUT	118.2	4.089	0.096	0.1730	
600 minute winter	24_OUT	615	7.986	0.453	118.2	0.0000	0.0000	OK	Flow through pond	49	254.7	0.023	0.000	4157.2090	
600 minute winter	25	315	8.631	0.035	2.1	0.0221	0.0000	OK	3.000	28	2.1	0.516	0.117	0.1450	
600 minute winter	26	315	8.485	0.050	4.2	0.1419	0.0000	OK	3.001	27	3.8	0.711	0.240	0.2134	
									Infiltration		0.4				
600 minute winter	27	315	8.166	0.053	5.9	0.1907	0.0000	OK	3.002	28	5.4	0.924	0.286	0.1892	
									Infiltration		0.5				
600 minute winter	28	315	7.751	0.056	7.5	0.1460	0.0000	OK	3.003	29	7.1	1.125	0.300	0.2312	
									Infiltration		0.4				
600 minute winter	29	300	7.127	0.062	9.2	0.1370	0.0000	OK	3.004	30	8.9	1.306	0.319	0.9782	
									Infiltration		0.3				
600 minute winter	30	360	7.044	0.219	9.3	0.0253	0.0000	OK	3.005	31	8.9	0.135	0.004	4.4420	
600 minute winter	31	360	7.044	0.348	9.3	0.0419	0.0000	OK	3.006	32	7.0	0.085	0.004	4.5619	
									Infiltration		2.0				

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600 minute winter	32	360	7.044	0.398	7.4	0.0479	0.0000 OK	3.007	33	3.9	0.043	0.003	3.9368
								Infiltration		1.5			
								Infiltration		1.7			
600 minute winter	33	360	7.044	0.289	4.3	0.0323	0.0000 OK	3.008	34	3.8	0.147	0.003	2.9484
600 minute winter	34	360	7.044	0.298	4.2	0.0359	0.0000 OK	3.009	35	2.6	0.156	0.001	2.7566
								Infiltration		1.3			
600 minute winter	35	360	7.044	0.369	3.0	0.0443	0.0000 OK	3.010	36	1.8	0.027	0.000	5.5489
								Infiltration		1.1			
600 minute winter	36	360	7.044	0.539	2.0	0.0615	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.8			
600 minute winter	37	330	6.522	0.017	0.4	0.0021	0.0000 OK	3.012	38	0.4	0.023	0.000	2.2316
600 minute winter	38	330	6.522	0.257	2.7	0.0309	0.0000 OK	3.013	39	-2.0	-0.087	-0.001	1.5402
								Infiltration		1.0			
								Infiltration		1.5			
600 minute winter	39	330	6.522	0.087	2.2	0.0081	0.0000 OK	3.014	40	-1.8	-0.201	-0.001	0.3116
								Infiltration		0.2			
600 minute winter	40	315	6.709	0.014	1.8	0.0017	0.0000 OK	3.015	41	-1.4	-0.200	-0.001	0.0916
								Infiltration		0.0			
600 minute winter	41	300	6.878	0.013	1.4	0.0016	0.0000 OK	3.016	42	-1.0	-0.169	-0.001	0.0768
								Infiltration		0.0			
600 minute winter	42	300	7.095	0.010	1.0	0.0012	0.0000 OK	3.017	43	-0.6	-0.111	0.000	0.0746
								Infiltration		0.0			
600 minute winter	43	300	7.157	0.012	0.8	0.0015	0.0000 OK	3.018	44	-0.2	-0.054	0.000	0.0585
								Infiltration		0.0			
600 minute winter	44	300	7.231	0.006	0.4	0.0007	0.0000 OK	3.019	45	0.2	0.038	0.000	0.0473
600 minute winter	45	315	7.205	0.010	0.6	0.0012	0.0000 OK	3.020	46	0.5	0.103	0.000	0.0676
								Infiltration		0.0			
600 minute winter	46	315	7.136	0.011	0.9	0.0013	0.0000 OK	3.021	47	0.9	0.151	0.000	0.4014
								Infiltration		0.0			
600 minute winter	47	420	7.056	0.091	1.3	0.0108	0.0000 OK	3.022	48	1.3	0.074	0.000	1.7931
								Infiltration		0.1			
600 minute winter	48	420	7.058	0.281	1.7	0.0313	0.0000 OK	3.023	53	1.1	0.082	0.001	2.7996
								Infiltration		0.2			
600 minute winter	49	840	7.977	-0.023	301.1	0.0000	0.0000 OK	Orifice	50	0.0			
								Infiltration		0.0			
600 minute winter	50	15	7.400	0.000	0.0	0.0000	0.0000 OK	4.001	51	0.0	0.000	0.000	0.0000
600 minute winter	51	15	7.300	0.000	0.0	0.0000	0.0000 OK	4.002	52	0.0	0.000	0.000	0.0000
600 minute winter	52	15	7.200	0.000	0.0	0.0000	0.0000 OK	4.003	53	0.0	0.000	0.000	0.0000
600 minute winter	53	420	7.056	0.271	1.5	0.0325	0.0000 OK	3.024	54	0.9	0.117	0.000	4.2814
								Infiltration		0.3			
600 minute winter	54	420	7.058	0.431	1.3	0.0517	0.0000 OK	3.025	54_OUT	0.5	0.032	0.000	7.3256
								Infiltration		0.3			
600 minute winter	54_OUT	420	7.058	0.551	0.8	0.0661	0.0000 OK	Infiltration		0.5			

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600 minute winter	55	420	8.671	0.225	1.1	0.0766	0.0000	SURCHARGED	5.006	56	1.1	0.280	0.144	0.2949
600 minute winter	56	420	8.671	0.255	2.2	1.2042	0.0000	SURCHARGED	5.001	57	1.7	0.333	0.138	0.3709
									Infiltration		0.3			
600 minute winter	57	420	8.671	0.381	2.8	1.9558	0.0000	SURCHARGED	5.002	58	2.3	0.290	0.252	0.5462
									Infiltration		0.4			
600 minute winter	58	420	8.670	0.425	3.4	3.8327	0.0000	SURCHARGED	5.003	59	2.5	0.270	0.334	0.3906
									Infiltration		0.6			
600 minute winter	59	420	8.670	0.465	3.8	2.9995	0.0000	OK	5.004	60	2.2	0.060	0.003	16.0218
									Infiltration		0.5			
600 minute winter	60	420	8.670	0.485	3.3	0.1648	0.0000	OK	5.005	61	0.9	0.036	0.001	23.3746
									Infiltration		0.7			
600 minute winter	61	420	8.670	0.534	2.0	0.1814	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		1.0			
600 minute winter	62	420	8.250	0.114	1.1	0.0368	0.0000	OK	5.007	63	1.1	0.053	0.001	14.6307
600 minute winter	63	420	8.250	0.414	2.3	0.1408	0.0000	OK	5.008	63_OUT	-0.4	0.021	0.000	10.5742
									Infiltration		0.9			
600 minute winter	63_OUT	420	8.250	0.465	1.1	0.1650	0.0000	OK	Infiltration		0.5			
600 minute winter	64	435	6.650	0.465	0.5	0.0744	0.0000	OK	6.000	65	0.2	0.041	0.000	5.1536
600 minute winter	65	435	6.650	0.525	0.7	0.0840	0.0000	OK	6.001	66	0.1	0.039	0.000	6.7885
									Infiltration		0.2			
600 minute winter	66	435	6.650	0.557	0.7	0.0880	0.0000	OK	6.002	67	-0.2	-0.002	0.000	3.8274
									Infiltration		0.3			
600 minute winter	67	435	6.650	0.574	0.5	0.0690	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
600 minute winter	68	420	6.227	0.151	0.5	0.0234	0.0000	OK	6.004	69	0.5	0.029	0.000	7.8690
600 minute winter	69	420	6.227	0.462	1.0	0.0738	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
600 minute winter	70	450	6.117	0.352	1.8	0.0579	0.0000	OK	6.006	71	-1.5	0.034	-0.001	3.2797
600 minute winter	71	450	6.116	0.431	6.4	0.0690	0.0000	OK	6.007	72	-6.3	-0.056	-0.004	9.6701
									Infiltration		0.2			
600 minute winter	72	450	6.116	0.431	5.0	0.0669	0.0000	OK	6.008	73	10.9	0.777	0.757	0.0294
									Infiltration		0.5			
600 minute winter	73	660	6.363	0.658	10.9	0.1053	0.0000	OK	6.009	74	5.8	0.018	0.006	4.5637
600 minute winter	74	660	6.364	0.659	10.0	0.1054	0.0000	OK	6.010	75	-9.9	0.043	-0.007	5.1736
									Infiltration		0.2			
600 minute winter	75	660	6.364	0.659	6.3	0.1055	0.0000	OK	6.011	76	-8.2	0.030	-0.002	5.3747
									Infiltration		0.2			
600 minute winter	76	660	6.364	0.729	4.1	0.1109	0.0000	OK	6.012	75_OUT	2.8	0.005	0.002	5.4392
									Infiltration		0.2			
600 minute winter	76_OUT	660	6.364	0.729	2.8	0.1157	0.0000	OK	Infiltration		0.2			

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Results for 1000 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 98.13%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	1	315	9.800	0.500	2.0	0.0000	0.0000	FLOOD RISK	1.000	2	-2.0	-0.091	-0.093	0.4853	
720 minute summer	2	315	9.800	0.550	4.4	0.0000	0.0000	FLOOD RISK	1.001	3	-4.4	-0.142	-0.220	1.1264	
720 minute summer	3	315	9.800	0.650	5.2	0.0000	0.0000	FLOOD RISK	1.002	4	-5.2	-0.165	-0.244	0.4988	
720 minute summer	4	315	9.800	0.700	5.6	0.0000	0.0000	FLOOD RISK	1.003	5	-5.6	-0.179	-0.244	0.8441	
720 minute summer	5	315	9.800	0.800	6.1	0.0000	0.0000	FLOOD RISK	1.004	6	-6.1	-0.195	-0.183	0.1821	
720 minute summer	6	315	9.800	0.900	28.3	12.5180	0.0000	FLOOD RISK	1.005	7	28.1	0.602	0.579	0.7796	
720 minute summer	7	315	9.800	1.050	44.4	6.8861	0.0000	FLOOD RISK	1.006	8	44.3	0.591	0.631	2.4923	
720 minute summer	8	315	9.800	1.250	77.0	12.3532	0.0000	FLOOD RISK	1.007	9	76.9	0.614	0.711	5.9230	
720 minute summer	9	315	9.800	1.450	130.7	18.9491	0.0000	FLOOD RISK	1.008	10	130.6	0.667	0.581	3.1360	
720 minute summer	10	315	9.800	1.500	140.7	3.5188	0.0000	FLOOD RISK	1.009	11	140.6	0.719	0.952	47.8613	
720 minute summer	11	345	9.800	1.800	140.6	0.0000	0.0000	FLOOD RISK	1.010	12	140.6	0.719	0.488	53.3278	
720 minute summer	12	90	7.750	1.000	140.6	0.0000	0.0000	FLOOD RISK	1.011	13	140.6	1.023	0.716	0.2819	
720 minute summer	13	375	9.612	0.112	140.5	0.0000	0.0000	OK	1.012	13_OUT	140.5	4.301	0.114	0.1958	
720 minute summer	13_OUT	785	7.945	0.412	140.8	0.0000	0.0000	OK	Flow through pond	49	170.8	0.017	0.000	3798.6304	
720 minute summer	14	330	9.800	0.500	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	0.3	0.009	0.010	0.8136	
720 minute summer	15	330	9.800	0.714	21.5	8.0707	0.0000	FLOOD RISK	2.001	16	21.5	0.537	0.445	0.9254	
720 minute summer	16	330	9.800	0.809	21.5	0.0000	0.0000	FLOOD RISK	2.002	17	21.5	0.540	0.438	0.6320	
720 minute summer	17	330	9.800	0.941	32.7	3.7807	0.0000	FLOOD RISK	2.003	18	32.7	0.550	0.418	1.8756	
720 minute summer	18	330	9.800	1.119	59.6	8.6395	0.0000	FLOOD RISK	2.004	19	59.6	0.581	0.473	5.4890	
720 minute summer	19	345	9.800	1.344	105.6	14.1578	0.0000	FLOOD RISK	2.005	20	105.6	0.695	0.536	4.0628	
720 minute summer	20	345	9.800	1.389	105.6	0.0000	0.0000	FLOOD RISK	2.006	21	105.6	0.837	0.535	3.4979	
720 minute summer	21	345	9.800	1.428	105.6	0.0000	0.0000	FLOOD RISK	2.007	22	105.6	0.818	0.178	3.7404	
720 minute summer	22	345	9.800	1.800	135.5	8.6450	0.0000	FLOOD RISK	2.008	23	135.6	0.693	0.471	53.3017	
720 minute summer	23	90	7.750	1.000	135.5	0.0000	0.0000	FLOOD RISK	2.009	24	135.6	0.989	0.690	0.2810	
720 minute summer	24	375	9.610	0.110	135.6	0.0000	0.0000	OK	2.010	24_OUT	135.6	4.258	0.110	0.1906	
720 minute summer	24_OUT	785	7.945	0.412	135.8	0.0000	0.0000	OK	Flow through pond	49	170.8	0.017	0.000	3798.6304	
720 minute summer	25	375	8.833	0.037	2.4	0.0237	0.0000	OK	3.000	26	2.4	0.536	0.134	0.1500	
720 minute summer	26	375	8.489	0.054	4.8	0.1612	0.0000	OK	3.001	27	4.4	0.737	0.275	0.2363	
									Infiltration		0.4				
720 minute summer	27	375	8.172	0.057	6.8	0.2187	0.0000	OK	3.002	28	6.2	0.959	0.306	0.2097	
									Infiltration		0.6				
720 minute summer	28	375	7.758	0.061	8.8	0.1865	0.0000	OK	3.003	29	8.2	1.133	0.346	0.2582	
									Infiltration		0.4				
720 minute summer	29	360	7.133	0.068	10.5	0.1597	0.0000	OK	3.004	30	10.2	1.362	0.366	0.0781	
									Infiltration		0.4				
720 minute summer	30	405	7.046	0.221	10.7	0.0265	0.0000	OK	3.005	31	10.2	0.138	0.004	4.4686	
720 minute summer	31	405	7.045	0.350	10.7	0.0420	0.0000	OK	3.006	32	7.9	0.061	0.004	4.5840	
									Infiltration		2.0				
720 minute summer	32	405	7.045	0.460	8.4	0.0480	0.0000	OK	3.007	33	4.5	0.048	0.003	3.9595	

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									Infiltration		1.6				
									Infiltration		1.7				
720 minute summer	33	405	7.045	0.270	5.0	0.0324	0.0000	OK	S.008	34	4.3	0.153	0.003	2.9675	
720 minute summer	34	405	7.045	0.360	4.8	0.0360	0.0000	OK	S.009	35	2.9	0.158	0.001	2.7713	
									Infiltration		1.3				
720 minute summer	35	405	7.045	0.370	3.4	0.0444	0.0000	OK	S.010	36	1.7	0.027	0.000	5.6709	
									Infiltration		1.1				
720 minute summer	36	405	7.045	0.540	2.2	0.0618	0.0000	OK	S.011	37	0.6	0.000	0.000	0.0000	
									Infiltration		1.8				
720 minute summer	37	390	6.545	0.040	0.5	0.0048	0.0000	OK	S.012	38	0.5	0.023	0.000	2.6290	
720 minute summer	38	390	6.545	0.260	3.1	0.0308	0.0000	OK	S.013	39	-2.2	-0.067	-0.001	1.9128	
									Infiltration		1.1				
									Infiltration		1.6				
720 minute summer	39	390	6.545	0.090	2.7	0.0108	0.0000	OK	S.014	40	-2.2	-0.201	-0.001	0.4161	
									Infiltration		0.3				
720 minute summer	40	375	6.711	0.015	2.3	0.0019	0.0000	OK	S.015	41	-1.8	-0.218	-0.001	0.1053	
									Infiltration		0.0				
720 minute summer	41	375	6.880	0.015	1.6	0.0018	0.0000	OK	S.018	42	-1.3	-0.185	-0.001	0.0582	
									Infiltration		0.0				
720 minute summer	42	375	7.096	0.011	1.3	0.0014	0.0000	OK	S.017	43	-0.8	-0.121	-0.001	0.0859	
									Infiltration		0.0				
720 minute summer	43	375	7.159	0.014	0.8	0.0017	0.0000	OK	S.018	44	-0.3	-0.059	0.000	0.0571	
									Infiltration		0.0				
720 minute summer	44	375	7.232	0.007	0.5	0.0008	0.0000	OK	S.019	45	0.2	0.043	0.000	0.0543	
720 minute summer	45	375	7.296	0.011	0.7	0.0013	0.0000	OK	S.020	46	0.7	0.112	0.000	0.0779	
									Infiltration		0.0				
720 minute summer	46	375	7.137	0.012	1.2	0.0015	0.0000	OK	S.021	47	1.1	0.164	0.000	0.3544	
									Infiltration		0.0				
720 minute summer	47	450	7.046	0.081	1.6	0.0097	0.0000	OK	S.022	48	1.6	0.076	0.000	1.6737	
									Infiltration		0.1				
720 minute summer	48	450	7.046	0.251	2.1	0.0301	0.0000	OK	S.023	53	1.4	0.077	0.002	2.6595	
									Infiltration		0.2				
720 minute summer	49	900	7.938	-0.061	251.7	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
720 minute summer	50	15	7.460	0.000	0.0	0.0000	0.0000	OK	S.001	51	0.0	0.000	0.000	0.0000	
720 minute summer	51	15	7.300	0.000	0.0	0.0000	0.0000	OK	S.002	52	0.0	0.000	0.000	0.0000	
720 minute summer	52	15	7.200	0.000	0.0	0.0000	0.0000	OK	S.003	53	0.0	0.000	0.000	0.0000	
720 minute summer	53	450	7.046	0.261	1.9	0.0313	0.0000	OK	S.024	54	1.0	0.117	0.000	4.1147	
									Infiltration		0.3				
720 minute summer	54	450	7.046	0.421	1.5	0.0505	0.0000	OK	S.025	54_OUT	0.6	0.032	0.000	7.1073	
									Infiltration		0.3				
720 minute summer	54_OUT	450	7.046	0.541	0.9	0.0649	0.0000	OK	Infiltration		0.5				
720 minute summer	55	450	8.814	0.168	1.3	0.0572	0.0000	SURCHARGED	S.000	56	1.2	0.296	0.155	0.2949	
720 minute summer	56	450	8.814	0.198	2.5	0.8981	0.0000	SURCHARGED	S.001	57	2.0	0.330	0.159	0.3709	

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								Infiltration		0.3					
720 minute summer	57	450	8.614	0.304	3.2	1.5756	0.0000 SURCHARGED	5.002	58	2.6	0.260	0.321	0.5462		
								Infiltration		0.4					
720 minute summer	58	450	8.613	0.368	3.8	3.0817	0.0000 SURCHARGED	5.003	59	2.9	0.272	0.389	0.3908		
								Infiltration		0.6					
720 minute summer	59	450	8.612	0.407	4.2	2.5894	0.0000 OK	5.004	60	2.5	0.046	0.004	13.2851		
								Infiltration		0.4					
720 minute summer	60	450	8.612	0.427	3.8	0.1453	0.0000 OK	5.005	61	0.9	0.030	0.001	19.5778		
								Infiltration		0.7					
720 minute summer	61	450	8.612	0.478	2.2	0.1620	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		0.9					
720 minute summer	62	465	8.214	0.078	1.3	0.0265	0.0000 OK	5.007	63	1.3	0.044	0.001	12.2954		
720 minute summer	63	465	8.214	0.378	2.8	0.1286	0.0000 OK	5.008	63_OUT	-0.3	0.018	0.000	9.3815		
								Infiltration		0.8					
720 minute summer	63_OUT	465	8.214	0.449	1.3	0.1527	0.0000 OK	Infiltration		0.5					
720 minute summer	64	480	8.589	0.404	0.8	0.0646	0.0000 OK	6.000	65	0.3	0.040	0.000	4.2340		
720 minute summer	65	480	8.589	0.464	0.9	0.0742	0.0000 OK	6.001	66	0.2	0.023	0.000	5.6593		
								Infiltration		0.2					
720 minute summer	66	480	8.589	0.499	0.8	0.0783	0.0000 OK	6.002	67	-0.2	0.002	0.000	3.2129		
								Infiltration		0.3					
720 minute summer	67	480	8.589	0.513	0.5	0.0795	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
720 minute summer	68	450	8.191	0.115	0.8	0.0178	0.0000 OK	6.004	69	0.5	0.018	0.000	5.5847		
720 minute summer	69	465	8.191	0.428	1.1	0.0681	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
720 minute summer	70	465	8.012	0.257	0.8	0.0411	0.0000 OK	6.006	71	0.4	0.023	0.000	2.1332		
720 minute summer	71	465	8.012	0.327	1.0	0.0523	0.0000 OK	6.007	72	0.2	0.009	0.000	5.6384		
								Infiltration		0.1					
720 minute summer	72	465	8.012	0.327	0.8	0.0523	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0125		
								Infiltration		0.4					
720 minute summer	73	480	8.296	0.591	0.8	0.0945	0.0000 OK	6.009	74	0.3	0.016	0.000	3.8533		
720 minute summer	74	480	8.296	0.591	0.9	0.0945	0.0000 OK	6.010	75	0.2	0.042	0.000	4.3533		
								Infiltration		0.1					
720 minute summer	75	480	8.296	0.591	0.8	0.0945	0.0000 OK	6.011	76	0.3	0.021	0.000	4.5848		
								Infiltration		0.2					
720 minute summer	76	480	8.296	0.661	0.8	0.1004	0.0000 OK	6.012	76_OUT	-0.1	0.004	0.000	4.6487		
								Infiltration		0.2					
720 minute summer	76_OUT	480	8.296	0.661	0.8	0.1057	0.0000 OK	Infiltration		0.2					

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Results for 1000 year 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 88.28%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	1	300	9.800	0.500	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.005	-0.007	0.4653	
720 minute winter	2	300	9.800	0.550	0.8	0.0000	0.0000	FLOOD RISK	1.001	3	-0.8	-0.018	-0.028	1.1284	
720 minute winter	3	300	9.800	0.650	0.8	0.0000	0.0000	FLOOD RISK	1.002	4	-0.8	-0.018	-0.027	0.4986	
720 minute winter	4	300	9.800	0.700	4.2	0.0000	0.0000	FLOOD RISK	1.003	5	-4.2	-0.235	-0.151	0.8441	
720 minute winter	5	300	9.800	0.800	5.7	0.0000	0.0000	FLOOD RISK	1.004	6	-5.7	-0.183	-0.151	0.1621	
720 minute winter	6	300	9.800	0.900	21.3	9.7419	0.0000	FLOOD RISK	1.005	7	21.3	0.623	0.439	0.7796	
720 minute winter	7	300	9.800	1.050	33.6	5.3622	0.0000	FLOOD RISK	1.006	8	33.6	0.600	0.478	2.4823	
720 minute winter	8	300	9.800	1.250	56.2	10.2427	0.0000	FLOOD RISK	1.007	9	56.2	0.615	0.638	5.9230	
720 minute winter	9	300	9.800	1.450	86.7	16.1717	0.0000	FLOOD RISK	1.008	10	86.6	0.595	0.416	3.1360	
720 minute winter	10	300	9.800	1.500	106.2	3.0219	0.0000	FLOOD RISK	1.009	11	106.2	0.602	0.719	47.8613	
720 minute winter	11	345	9.800	1.800	106.2	0.0000	0.0000	FLOOD RISK	1.010	12	106.2	0.576	0.369	53.3276	
720 minute winter	12	90	7.750	1.000	106.2	0.0000	0.0000	FLOOD RISK	1.011	13	106.2	0.792	0.541	0.2746	
720 minute winter	13	375	9.595	0.098	106.2	0.0000	0.0000	OK	1.012	13_OUT	106.2	3.982	0.086	0.1606	
720 minute winter	13_OUT	720	8.002	0.468	106.2	0.0000	0.0000	OK	Flow through pond	49	268.6	0.023	0.000	4306.8877	
720 minute winter	14	330	9.800	0.500	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	0.7	0.022	0.023	0.8136	
720 minute winter	15	330	9.800	0.714	16.3	6.4238	0.0000	FLOOD RISK	2.001	16	16.3	0.555	0.338	0.9254	
720 minute winter	16	330	9.800	0.809	16.3	0.0000	0.0000	FLOOD RISK	2.002	17	16.3	0.556	0.331	0.8329	
720 minute winter	17	330	9.800	0.941	24.7	3.1602	0.0000	FLOOD RISK	2.003	18	24.7	0.588	0.316	1.8750	
720 minute winter	18	330	9.800	1.119	44.9	7.4870	0.0000	FLOOD RISK	2.004	19	44.9	0.608	0.357	5.4890	
720 minute winter	19	345	9.800	1.344	79.7	12.5878	0.0000	FLOOD RISK	2.005	20	79.7	0.635	0.404	4.0628	
720 minute winter	20	345	9.800	1.389	79.7	0.0000	0.0000	FLOOD RISK	2.006	21	79.7	0.895	0.403	3.4979	
720 minute winter	21	345	9.800	1.428	79.7	0.0000	0.0000	FLOOD RISK	2.007	22	79.7	0.889	0.134	3.7404	
720 minute winter	22	345	9.800	1.800	102.2	7.9580	0.0000	FLOOD RISK	2.008	23	102.2	0.578	0.355	53.3017	
720 minute winter	23	90	7.750	1.000	102.2	0.0000	0.0000	FLOOD RISK	2.009	24	102.2	0.785	0.520	0.2739	
720 minute winter	24	375	9.596	0.096	102.2	0.0000	0.0000	OK	2.010	24_OUT	102.2	3.917	0.083	0.1562	
720 minute winter	24_OUT	705	8.002	0.469	102.2	0.0000	0.0000	OK	Flow through pond	49	268.6	0.023	0.000	4306.8877	
720 minute winter	25	360	8.828	0.032	1.8	0.0205	0.0000	OK	3.000	28	1.8	0.496	0.100	0.1293	
720 minute winter	26	390	8.481	0.046	3.8	0.1224	0.0000	OK	3.001	27	3.2	0.682	0.204	0.1894	
									Infiltration		0.4				
720 minute winter	27	360	8.164	0.049	5.0	0.1630	0.0000	OK	3.002	28	4.5	0.884	0.225	0.1680	
									Infiltration		0.5				
720 minute winter	28	390	7.747	0.052	6.3	0.1258	0.0000	OK	3.003	29	6.0	1.052	0.255	0.2079	
									Infiltration		0.3				
720 minute winter	29	360	7.123	0.058	7.8	0.1212	0.0000	OK	3.004	30	7.5	1.273	0.271	0.0583	
									Infiltration		0.3				
720 minute winter	30	420	6.993	0.188	7.8	0.0202	0.0000	OK	3.005	31	7.7	0.138	0.093	3.4221	
720 minute winter	31	420	6.993	0.298	8.0	0.0357	0.0000	OK	3.006	32	8.0	0.085	0.093	3.7068	
									Infiltration		1.7				

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720 minute winter	32	420	6.993	0.348	6.3	0.0417	0.0000	OK	3.007	33	3.3	0.038	0.002	3.1408
									Infiltration		1.4			
									Infiltration		1.5			
720 minute winter	33	420	6.993	0.218	3.6	0.0251	0.0000	OK	3.008	34	3.3	0.154	0.002	2.2580
720 minute winter	34	420	6.993	0.248	3.6	0.0297	0.0000	OK	3.009	35	2.3	0.148	0.001	2.1916
									Infiltration		1.2			
720 minute winter	35	420	6.993	0.318	2.8	0.0381	0.0000	OK	3.010	36	1.4	0.027	0.000	4.7538
									Infiltration		1.0			
720 minute winter	36	420	6.993	0.488	1.7	0.0558	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.6			
720 minute winter	37	330	6.511	0.006	0.3	0.0007	0.0000	OK	3.012	38	0.3	0.023	0.000	1.7128
720 minute winter	38	435	6.480	0.215	2.2	0.0258	0.0000	OK	3.013	39	-1.6	-0.087	-0.001	1.1736
									Infiltration		0.9			
									Infiltration		1.3			
720 minute winter	39	435	6.480	0.025	1.6	0.0030	0.0000	OK	3.014	40	-1.3	-0.201	-0.001	0.1309
									Infiltration		0.1			
720 minute winter	40	330	6.707	0.012	1.3	0.0014	0.0000	OK	3.015	41	-1.0	-0.179	-0.001	0.0785
									Infiltration		0.0			
720 minute winter	41	330	6.876	0.011	1.1	0.0013	0.0000	OK	3.016	42	-0.8	-0.151	-0.001	0.0642
									Infiltration		0.0			
720 minute winter	42	315	7.093	0.008	0.8	0.0010	0.0000	OK	3.017	43	-0.5	-0.099	0.000	0.0627
									Infiltration		0.0			
720 minute winter	43	315	7.155	0.010	0.5	0.0012	0.0000	OK	3.018	44	-0.2	-0.048	0.000	0.0491
									Infiltration		0.0			
720 minute winter	44	315	7.230	0.005	0.3	0.0006	0.0000	OK	3.019	45	0.1	0.035	0.000	0.0396
720 minute winter	45	330	7.203	0.008	0.4	0.0010	0.0000	OK	3.020	46	0.4	0.092	0.000	0.0567
									Infiltration		0.0			
720 minute winter	46	330	7.134	0.009	0.7	0.0011	0.0000	OK	3.021	47	0.7	0.135	0.000	0.3204
									Infiltration		0.0			
720 minute winter	47	495	7.039	0.074	1.0	0.0068	0.0000	OK	3.022	48	1.0	0.079	0.000	1.5868
									Infiltration		0.1			
720 minute winter	48	495	7.039	0.244	1.3	0.0292	0.0000	OK	3.023	53	0.9	0.065	0.001	2.5572
									Infiltration		0.2			
720 minute winter	49	870	7.995	-0.005	309.5	0.0000	0.0000	OK	Orifice	50	0.0			
									Infiltration		0.0			
720 minute winter	50	15	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
720 minute winter	51	15	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
720 minute winter	52	15	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
720 minute winter	53	495	7.039	0.254	1.2	0.0304	0.0000	OK	3.024	54	0.7	0.117	0.000	3.9922
									Infiltration		0.3			
720 minute winter	54	495	7.039	0.414	1.0	0.0496	0.0000	OK	3.025	54_OUT	0.5	0.032	0.000	6.9457
									Infiltration		0.3			
720 minute winter	54_OUT	495	7.039	0.534	0.7	0.0640	0.0000	OK	Infiltration		0.5			

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720 minute winter	55	480	8.637	0.191	1.0	0.0648	0.0000	SURCHARGED	5.006	56	0.9	0.277	0.126	0.2949
720 minute winter	56	480	8.636	0.220	1.9	1.0183	0.0000	SURCHARGED	5.001	57	1.5	0.318	0.119	0.3709
									Infiltration		0.3			
720 minute winter	57	480	8.638	0.328	2.5	1.7245	0.0000	SURCHARGED	5.002	58	2.0	0.271	0.244	0.5462
									Infiltration		0.4			
720 minute winter	58	480	8.635	0.390	3.0	3.2979	0.0000	SURCHARGED	5.003	59	2.1	0.279	0.265	0.3906
									Infiltration		0.6			
720 minute winter	59	480	8.635	0.430	3.1	2.7562	0.0000	OK	5.004	60	1.9	0.060	0.003	14.3176
									Infiltration		0.5			
720 minute winter	60	480	8.635	0.450	2.9	0.1529	0.0000	OK	5.005	61	0.7	0.033	0.001	21.0291
									Infiltration		0.7			
720 minute winter	61	480	8.635	0.489	1.7	0.1696	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.9			
720 minute winter	62	480	8.231	0.095	1.0	0.0322	0.0000	OK	5.007	63	1.0	0.051	0.000	13.3392
720 minute winter	63	495	8.231	0.395	2.1	0.1342	0.0000	OK	5.008	63_OUT	0.3	0.018	0.000	9.9057
									Infiltration		0.9			
720 minute winter	63_OUT	495	8.231	0.468	1.0	0.1583	0.0000	OK	Infiltration		0.5			
720 minute winter	64	510	8.625	0.441	0.5	0.0705	0.0000	OK	6.000	65	0.2	0.041	0.000	4.7803
720 minute winter	65	510	8.626	0.501	0.7	0.0801	0.0000	OK	6.001	66	0.1	0.039	0.000	6.3308
									Infiltration		0.2			
720 minute winter	66	510	8.626	0.533	0.7	0.0842	0.0000	OK	6.002	67	-0.2	-0.002	0.000	3.5765
									Infiltration		0.3			
720 minute winter	67	510	8.625	0.560	0.5	0.0852	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
720 minute winter	68	480	8.208	0.130	0.5	0.0201	0.0000	OK	6.004	69	0.4	0.028	0.000	7.0128
720 minute winter	69	480	8.208	0.441	0.9	0.0705	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
720 minute winter	70	525	8.068	0.314	1.1	0.0502	0.0000	OK	6.006	71	1.5	0.034	0.001	2.7329
720 minute winter	71	525	8.068	0.384	4.7	0.0614	0.0000	OK	6.007	72	6.8	-0.071	0.005	8.3343
									Infiltration		0.2			
720 minute winter	72	525	8.068	0.383	8.6	0.0613	0.0000	OK	6.008	73	10.7	0.781	0.746	0.0287
									Infiltration		0.4			
720 minute winter	73	645	8.367	0.662	10.7	0.1059	0.0000	OK	6.009	74	9.1	0.018	0.006	4.6039
720 minute winter	74	645	8.367	0.662	9.1	0.1059	0.0000	OK	6.010	75	-5.7	0.043	-0.006	5.2096
									Infiltration		0.2			
720 minute winter	75	645	8.368	0.661	10.0	0.1058	0.0000	OK	6.011	76	-9.9	0.030	-0.003	5.3985
									Infiltration		0.2			
720 minute winter	76	450	8.367	0.732	5.5	0.1113	0.0000	OK	6.012	75_OUT	-5.4	-0.006	-0.004	5.4705
									Infiltration		0.2			
720 minute winter	76_OUT	450	8.367	0.732	2.0	0.1172	0.0000	OK	Infiltration		0.2			

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Results for 1000 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 98.28%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	1	435	9.800	0.500	0.5	0.0000	0.0000	FLOOD RISK	1.000	2	-0.5	-0.015	-0.021	0.4853	
960 minute summer	2	435	9.800	0.550	0.9	0.0000	0.0000	FLOOD RISK	1.001	3	-0.9	-0.030	-0.047	1.1264	
960 minute summer	3	435	9.800	0.650	1.3	0.0000	0.0000	FLOOD RISK	1.002	4	-1.3	-0.043	-0.063	0.4988	
960 minute summer	4	435	9.800	0.700	2.8	0.0000	0.0000	FLOOD RISK	1.003	5	-2.8	-0.167	-0.123	0.8441	
960 minute summer	5	435	9.800	0.800	4.1	0.0000	0.0000	FLOOD RISK	1.004	6	-4.1	-0.137	-0.110	0.1821	
960 minute summer	6	435	9.800	0.900	22.7	10.2693	0.0000	FLOOD RISK	1.005	7	22.6	0.582	0.467	0.7796	
960 minute summer	7	435	9.800	1.050	35.7	5.8144	0.0000	FLOOD RISK	1.006	8	35.7	0.550	0.508	2.4923	
960 minute summer	8	450	9.800	1.250	61.9	10.6465	0.0000	FLOOD RISK	1.007	9	61.8	0.554	0.572	5.9230	
960 minute summer	9	450	9.800	1.450	104.9	18.7064	0.0000	FLOOD RISK	1.008	10	104.9	0.536	0.442	3.1360	
960 minute summer	10	450	9.800	1.500	113.0	3.1174	0.0000	FLOOD RISK	1.009	11	113.0	0.578	0.785	47.8613	
960 minute summer	11	465	9.800	1.800	113.0	0.0000	0.0000	FLOOD RISK	1.010	12	113.0	0.632	0.392	53.3278	
960 minute summer	12	120	7.750	1.000	113.0	0.0000	0.0000	FLOOD RISK	1.011	13	113.0	0.838	0.575	0.2761	
960 minute summer	13	495	9.801	0.101	113.0	0.0000	0.0000	OK	1.012	13_OUT	113.0	4.035	0.091	0.1577	
960 minute summer	13_OUT	975	7.972	0.439	113.0	0.0000	0.0000	OK	Flow through pond	49	158.1	0.013	0.000	4005.5007	
960 minute summer	14	485	9.800	0.500	0.7	0.0000	0.0000	FLOOD RISK	2.000	15	-0.7	-0.025	-0.024	0.8136	
960 minute summer	15	465	9.800	0.714	17.3	6.7382	0.0000	FLOOD RISK	2.001	16	17.3	0.503	0.357	0.9254	
960 minute summer	16	465	9.800	0.809	17.3	0.0000	0.0000	FLOOD RISK	2.002	17	17.3	0.506	0.351	0.6320	
960 minute summer	17	465	9.800	0.941	25.2	3.2758	0.0000	FLOOD RISK	2.003	18	26.2	0.506	0.335	1.8756	
960 minute summer	18	465	9.800	1.119	47.7	7.6941	0.0000	FLOOD RISK	2.004	19	47.7	0.538	0.379	5.4890	
960 minute summer	19	465	9.800	1.344	84.7	12.8944	0.0000	FLOOD RISK	2.005	20	84.7	0.552	0.429	4.0528	
960 minute summer	20	465	9.800	1.389	84.7	0.0000	0.0000	FLOOD RISK	2.006	21	84.7	0.778	0.428	3.4979	
960 minute summer	21	480	9.800	1.428	84.7	0.0000	0.0000	FLOOD RISK	2.007	22	84.7	0.758	0.142	3.7404	
960 minute summer	22	480	9.800	1.800	108.5	8.0924	0.0000	FLOOD RISK	2.008	23	108.6	0.555	0.377	53.3017	
960 minute summer	23	105	7.750	1.000	108.5	0.0000	0.0000	FLOOD RISK	2.009	24	108.6	0.809	0.553	0.2753	
960 minute summer	24	495	9.599	0.099	108.6	0.0000	0.0000	OK	2.010	24_OUT	108.6	3.989	0.088	0.1828	
960 minute summer	24_OUT	960	7.960	0.427	108.6	0.0000	0.0000	OK	Flow through pond	49	158.1	0.013	0.000	4005.5007	
960 minute summer	25	495	8.830	0.034	2.0	0.0218	0.0000	OK	3.000	26	2.0	0.511	0.111	0.1399	
960 minute summer	26	495	8.484	0.049	4.0	0.1353	0.0000	OK	3.001	27	3.6	0.702	0.228	0.2656	
									Infiltration		0.4				
960 minute summer	27	495	8.167	0.052	5.6	0.1815	0.0000	OK	3.002	28	5.1	0.911	0.352	0.1823	
									Infiltration		0.5				
960 minute summer	28	495	7.750	0.055	7.1	0.1392	0.0000	OK	3.003	29	6.7	1.068	0.285	0.2261	
									Infiltration		0.4				
960 minute summer	29	495	7.125	0.061	8.7	0.1350	0.0000	OK	3.004	30	8.4	1.309	0.303	0.0514	
									Infiltration		0.3				
960 minute summer	30	525	6.983	0.158	8.8	0.0190	0.0000	OK	3.005	31	8.5	0.138	0.004	3.2380	
960 minute summer	31	525	6.983	0.288	8.9	0.0346	0.0000	OK	3.006	32	8.6	0.061	0.004	3.5508	
									Infiltration		1.7				
960 minute summer	32	525	6.983	0.338	7.0	0.0406	0.0000	OK	3.007	33	3.7	0.040	0.002	2.9958	

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								Infiltration		1.4					
								Infiltration		1.5					
960 minute summer	33	525	6.983	0.208	4.1	0.0249	0.0000 OK	S.008	34	3.6	0.153	0.003	2.1342		
960 minute summer	34	525	6.983	0.238	4.0	0.0285	0.0000 OK	S.009	35	2.5	0.149	0.001	2.0892		
								Infiltration		1.2					
960 minute summer	35	525	6.983	0.308	2.9	0.0369	0.0000 OK	S.010	36	1.5	0.027	0.000	4.5898		
								Infiltration		1.0					
960 minute summer	36	525	6.983	0.478	1.8	0.0545	0.0000 OK	S.011	37	0.0	0.000	0.000	0.0000		
								Infiltration		1.6					
960 minute summer	37	495	6.512	0.007	0.4	0.0008	0.0000 OK	S.012	38	0.4	0.023	0.000	1.9713		
960 minute summer	38	510	6.504	0.239	2.7	0.0287	0.0000 OK	S.013	39	-1.9	-0.067	-0.001	1.4384		
								Infiltration		1.0					
								Infiltration		1.4					
960 minute summer	39	510	6.504	0.049	2.2	0.0059	0.0000 OK	S.014	40	-1.8	-0.201	-0.001	0.2298		
								Infiltration		0.1					
960 minute summer	40	495	6.709	0.014	1.8	0.0017	0.0000 OK	S.015	41	-1.4	-0.200	-0.001	0.0916		
								Infiltration		0.0					
960 minute summer	41	495	6.878	0.013	1.4	0.0016	0.0000 OK	S.016	42	-1.0	-0.189	-0.001	0.0768		
								Infiltration		0.0					
960 minute summer	42	495	7.095	0.010	1.0	0.0012	0.0000 OK	S.017	43	-0.6	-0.111	0.000	0.0748		
								Infiltration		0.0					
960 minute summer	43	495	7.157	0.012	0.6	0.0015	0.0000 OK	S.018	44	-0.2	-0.054	0.000	0.0585		
								Infiltration		0.0					
960 minute summer	44	495	7.231	0.008	0.4	0.0007	0.0000 OK	S.019	45	0.2	0.039	0.000	0.0473		
960 minute summer	45	495	7.205	0.010	0.5	0.0012	0.0000 OK	S.020	46	0.5	0.103	0.000	0.0578		
								Infiltration		0.0					
960 minute summer	46	495	7.136	0.011	0.9	0.0013	0.0000 OK	S.021	47	0.9	0.151	0.000	0.1911		
								Infiltration		0.0					
960 minute summer	47	585	7.009	0.044	1.3	0.0052	0.0000 OK	S.022	48	1.3	0.079	0.000	1.2525		
								Infiltration		0.0					
960 minute summer	48	585	7.009	0.214	1.7	0.0255	0.0000 OK	S.023	53	1.1	0.082	0.001	2.1599		
								Infiltration		0.2					
960 minute summer	49	1110	7.962	-0.038	215.1	0.0000	0.0000 OK	Orifice	50	0.0					
								Infiltration		0.0					
960 minute summer	50	15	7.400	0.000	0.0	0.0000	0.0000 OK	S.001	51	0.0	0.000	0.000	0.0000		
960 minute summer	51	15	7.300	0.000	0.0	0.0000	0.0000 OK	S.002	52	0.0	0.000	0.000	0.0000		
960 minute summer	52	15	7.200	0.000	0.0	0.0000	0.0000 OK	S.003	53	0.0	0.000	0.000	0.0000		
960 minute summer	53	585	7.009	0.224	1.5	0.0268	0.0000 OK	S.024	54	0.9	0.117	0.000	3.5152		
								Infiltration		0.3					
960 minute summer	54	585	7.009	0.384	1.3	0.0460	0.0000 OK	S.025	54_OUT	0.6	0.032	0.000	6.3125		
								Infiltration		0.3					
960 minute summer	54_OUT	585	7.009	0.504	0.8	0.0604	0.0000 OK	Infiltration		0.4					
960 minute summer	55	585	8.573	0.127	1.0	0.0431	0.0000 OK	S.000	56	1.0	0.280	0.135	0.2804		
960 minute summer	56	585	8.573	0.157	2.0	0.6803	0.0000 SURCHARGED	S.001	57	1.6	0.318	0.130	0.3709		

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								Infiltration		0.2					
960 minute summer	57	585	8.572	0.262	2.5	1.3011	0.0000 SURCHARGED	S.002	S8	1.8	0.290	0.242	0.5462		
								Infiltration		0.3					
960 minute summer	58	585	8.572	0.327	2.9	2.6875	0.0000 SURCHARGED	S.003	S9	2.1	0.269	0.283	0.3906		
								Infiltration		0.6					
960 minute summer	59	585	8.572	0.367	3.1	2.3155	0.0000 OK	S.004	S0	1.8	0.042	0.003	11.4461		
								Infiltration		0.4					
960 minute summer	60	585	8.572	0.387	2.8	0.1315	0.0000 OK	S.005	S1	0.7	0.030	0.001	17.0633		
								Infiltration		0.6					
960 minute summer	61	585	8.572	0.438	1.7	0.1482	0.0000 OK	S.006	S2	0.0	0.000	0.000	0.0000		
								Infiltration		0.8					
960 minute summer	62	585	8.190	0.054	1.0	0.0184	0.0000 OK	S.007	S3	1.0	0.044	0.001	10.8387		
960 minute summer	63	585	8.190	0.354	2.1	0.1204	0.0000 OK	S.008	S3_OUT	-0.3	0.018	0.000	8.5897		
								Infiltration		0.8					
960 minute summer	63_OUT	585	8.190	0.425	1.0	0.1446	0.0000 OK	Infiltration		0.4					
960 minute summer	64	615	8.570	0.385	0.5	0.0616	0.0000 OK	S.000	S5	0.2	0.041	0.000	3.9739		
960 minute summer	65	615	8.570	0.445	0.7	0.0712	0.0000 OK	S.001	S6	0.1	0.039	0.000	5.3388		
								Infiltration		0.2					
960 minute summer	66	615	8.570	0.477	0.7	0.0754	0.0000 OK	S.002	S7	-0.2	-0.002	0.000	3.0382		
								Infiltration		0.2					
960 minute summer	67	615	8.570	0.494	0.5	0.0768	0.0000 OK	S.003	S8	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
960 minute summer	68	600	8.174	0.098	0.5	0.0152	0.0000 OK	S.004	S9	0.4	0.028	0.000	5.0885		
960 minute summer	69	600	8.174	0.408	0.9	0.0655	0.0000 OK	S.005	S0	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
960 minute summer	70	600	5.995	0.240	0.5	0.0384	0.0000 OK	S.006	S1	0.3	0.034	0.000	1.9714		
960 minute summer	71	600	5.995	0.310	0.8	0.0496	0.0000 OK	S.007	S2	0.2	0.009	0.000	5.1771		
								Infiltration		0.1					
960 minute summer	72	600	5.995	0.310	0.7	0.0496	0.0000 OK	S.008	S3	0.0	0.000	0.000	0.0093		
								Infiltration		0.4					
960 minute summer	73	615	8.275	0.570	0.5	0.0912	0.0000 OK	S.009	S4	0.3	0.016	0.000	3.6499		
960 minute summer	74	615	8.275	0.570	0.6	0.0912	0.0000 OK	S.010	S5	0.2	0.043	0.000	4.1330		
								Infiltration		0.1					
960 minute summer	75	615	8.275	0.570	0.7	0.0912	0.0000 OK	S.011	S6	0.3	0.030	0.000	4.3356		
								Infiltration		0.2					
960 minute summer	76	615	8.275	0.640	0.5	0.0973	0.0000 OK	S.012	S6_OUT	-0.1	0.005	0.000	4.4252		
								Infiltration		0.2					
960 minute summer	76_OUT	615	8.275	0.640	0.5	0.1024	0.0000 OK	Infiltration		0.2					

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Results for 1000 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 98.35%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	1	435	9.800	0.500	1.2	0.0000	0.0000	FLOOD RISK	1.000	2	-1.2	-0.049	-0.055	0.4653	
960 minute winter	2	435	9.800	0.550	3.2	0.0000	0.0000	FLOOD RISK	1.001	3	-3.2	-0.104	-0.183	1.1284	
960 minute winter	3	435	9.800	0.650	4.1	0.0000	0.0000	FLOOD RISK	1.002	4	-4.1	-0.131	-0.193	0.4986	
960 minute winter	4	435	9.800	0.700	4.5	0.0000	0.0000	FLOOD RISK	1.003	5	-4.5	-0.148	-0.201	0.8441	
960 minute winter	5	435	9.800	0.800	5.1	0.0000	0.0000	FLOOD RISK	1.004	6	-5.1	-0.193	-0.136	0.1621	
960 minute winter	6	435	9.800	0.900	16.8	8.1873	0.0000	FLOOD RISK	1.005	7	16.8	0.577	0.347	0.7796	
960 minute winter	7	435	9.800	1.050	26.5	4.6184	0.0000	FLOOD RISK	1.006	8	26.5	0.659	0.377	2.4823	
960 minute winter	8	435	9.800	1.250	45.9	9.6504	0.0000	FLOOD RISK	1.007	9	45.9	0.674	0.424	5.9230	
960 minute winter	9	450	9.800	1.450	77.9	14.5896	0.0000	FLOOD RISK	1.008	10	77.9	0.556	0.329	3.1360	
960 minute winter	10	450	9.800	1.500	83.9	2.7393	0.0000	FLOOD RISK	1.009	11	83.9	0.555	0.568	47.8613	
960 minute winter	11	495	9.750	1.750	83.9	0.0000	0.0000	FLOOD RISK	1.010	12	83.9	0.440	0.291	53.3278	
960 minute winter	12	120	7.750	1.000	83.9	0.0000	0.0000	FLOOD RISK	1.011	13	83.9	0.638	0.427	0.2696	
960 minute winter	13	495	9.587	0.087	83.9	0.0000	0.0000	OK	1.012	13_OUT	83.9	3.692	0.068	0.1361	
960 minute winter	13_OUT	960	8.021	0.487	83.9	0.0000	0.0000	OK	Flow through pond	49	217.2	0.616	0.000	4534.7539	
960 minute winter	14	485	9.778	0.476	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	0.3	0.611	0.611	0.8136	
960 minute winter	15	495	9.778	0.890	12.8	5.4706	0.0000	FLOOD RISK	2.001	16	12.8	0.518	0.264	0.9254	
960 minute winter	16	495	9.769	0.778	12.8	0.0000	0.0000	FLOOD RISK	2.002	17	12.8	0.521	0.260	0.8329	
960 minute winter	17	495	9.764	0.905	19.4	2.8097	0.0000	FLOOD RISK	2.003	18	19.4	0.629	0.248	1.8750	
960 minute winter	18	495	9.759	1.078	35.4	6.7792	0.0000	FLOOD RISK	2.004	19	35.4	0.568	0.281	5.4890	
960 minute winter	19	485	9.749	1.293	62.9	11.8568	0.0000	FLOOD RISK	2.005	20	62.9	0.568	0.319	4.0628	
960 minute winter	20	485	9.744	1.333	62.9	0.0000	0.0000	FLOOD RISK	2.006	21	62.9	0.827	0.318	3.4979	
960 minute winter	21	495	9.740	1.368	62.9	0.0000	0.0000	FLOOD RISK	2.007	22	62.9	0.825	0.106	3.7404	
960 minute winter	22	495	9.736	1.736	80.6	7.5408	0.0000	FLOOD RISK	2.008	23	80.6	0.548	0.280	53.3017	
960 minute winter	23	105	7.750	1.000	80.6	0.0000	0.0000	FLOOD RISK	2.009	24	80.6	0.615	0.410	0.2690	
960 minute winter	24	495	9.585	0.085	80.6	0.0000	0.0000	OK	2.010	24_OUT	80.6	3.650	0.065	0.1322	
960 minute winter	24_OUT	1005	8.027	0.494	80.6	0.0000	0.0000	OK	Flow through pond	49	217.2	0.616	0.000	4534.7539	
960 minute winter	25	495	8.625	0.028	1.5	0.0187	0.0000	OK	3.000	26	1.5	0.473	0.084	0.1130	
960 minute winter	26	495	8.477	0.042	3.0	0.1032	0.0000	OK	3.001	27	2.7	0.649	0.188	0.1644	
									Infiltration		0.3				
960 minute winter	27	485	8.159	0.044	4.2	0.1355	0.0000	OK	3.002	28	3.7	0.837	0.185	0.1454	
									Infiltration		0.4				
960 minute winter	28	495	7.742	0.047	5.2	0.1055	0.0000	OK	3.003	29	4.9	0.987	0.209	0.1795	
									Infiltration		0.3				
960 minute winter	29	495	7.117	0.052	6.4	0.1009	0.0000	OK	3.004	30	6.2	1.212	0.223	0.0347	
									Infiltration		0.2				
960 minute winter	30	540	6.929	0.104	6.5	0.0125	0.0000	OK	3.005	31	6.4	0.138	0.003	2.2957	
960 minute winter	31	540	6.929	0.234	6.7	0.0281	0.0000	OK	3.006	32	5.0	0.672	0.003	2.7432	
									Infiltration		1.5				

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960 minute winter	32	540	6.929	0.284	5.3	0.0341	0.0000	OK	3.007	33	2.7	0.035	0.002	2.2462
									Infiltration		1.2			
									Infiltration		1.3			
960 minute winter	33	540	6.929	0.154	3.0	0.0154	0.0000	OK	3.008	34	2.8	0.147	0.002	1.4952
960 minute winter	34	540	6.929	0.184	3.1	0.0220	0.0000	OK	3.009	35	1.9	0.136	0.001	1.5597
									Infiltration		1.0			
960 minute winter	35	540	6.929	0.254	2.2	0.0304	0.0000	OK	3.010	36	1.2	0.027	0.000	3.7338
									Infiltration		0.8			
960 minute winter	36	540	6.929	0.424	1.5	0.0483	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		1.4			
960 minute winter	37	480	6.511	0.006	0.3	0.0007	0.0000	OK	3.012	38	0.3	0.023	0.000	1.8819
960 minute winter	38	525	6.477	0.212	2.2	0.0254	0.0000	OK	3.013	39	-1.6	-0.087	-0.001	1.1415
									Infiltration		0.9			
									Infiltration		1.2			
960 minute winter	39	525	6.477	0.022	1.6	0.0026	0.0000	OK	3.014	40	-1.3	-0.201	-0.001	0.1195
									Infiltration		0.1			
960 minute winter	40	480	6.707	0.012	1.3	0.0014	0.0000	OK	3.015	41	-1.0	-0.179	-0.001	0.0785
									Infiltration		0.0			
960 minute winter	41	480	6.876	0.011	1.1	0.0013	0.0000	OK	3.016	42	-0.8	-0.151	-0.001	0.0642
									Infiltration		0.0			
960 minute winter	42	465	7.093	0.008	0.8	0.0010	0.0000	OK	3.017	43	-0.5	-0.099	0.000	0.0627
									Infiltration		0.0			
960 minute winter	43	465	7.155	0.010	0.5	0.0012	0.0000	OK	3.018	44	-0.2	-0.048	0.000	0.0491
									Infiltration		0.0			
960 minute winter	44	465	7.230	0.005	0.3	0.0008	0.0000	OK	3.019	45	0.1	0.035	0.000	0.0396
960 minute winter	45	480	7.203	0.008	0.4	0.0010	0.0000	OK	3.020	46	0.4	0.092	0.000	0.0567
									Infiltration		0.0			
960 minute winter	46	480	7.134	0.009	0.7	0.0011	0.0000	OK	3.021	47	0.7	0.135	0.000	0.2077
									Infiltration		0.0			
960 minute winter	47	515	7.013	0.048	1.0	0.0057	0.0000	OK	3.022	48	1.0	0.078	0.000	1.2958
									Infiltration		0.0			
960 minute winter	48	515	7.013	0.218	1.3	0.0261	0.0000	OK	3.023	53	0.9	0.077	0.001	2.2117
									Infiltration		0.2			
960 minute winter	49	1035	8.025	0.020	244.8	0.2844	0.0000	OK	Orifice	50	0.2			
									Infiltration		0.0			
960 minute winter	50	990	7.410	0.010	0.2	0.0000	0.0000	OK	4.001	51	0.2	0.390	0.007	0.0028
960 minute winter	51	1050	7.308	0.008	0.2	0.0000	0.0000	OK	4.002	52	0.2	0.420	0.005	0.0014
960 minute winter	52	1005	7.208	0.008	0.2	0.0000	0.0000	OK	4.003	53	0.2	0.401	0.006	0.0009
960 minute winter	53	515	7.013	0.228	1.2	0.0273	0.0000	OK	3.024	54	0.8	0.117	0.000	3.5775
									Infiltration		0.3			
960 minute winter	54	515	7.013	0.388	1.0	0.0465	0.0000	OK	3.025	54_OUT	0.5	0.032	0.000	0.3957
									Infiltration		0.3			
960 minute winter	54_OUT	515	7.013	0.508	0.7	0.0609	0.0000	OK	Infiltration		0.4			

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960 minute winter	55	615	8.590	0.144	0.8	0.0490	0.0000 OK	5.000	56	0.8	0.261	0.108	0.2931	
960 minute winter	56	615	8.590	0.174	1.8	0.7699	0.0000 SURCHARGED	5.001	57	1.3	0.302	0.102	0.3709	
								Infiltration		0.2				
960 minute winter	57	615	8.590	0.280	2.6	1.4159	0.0000 SURCHARGED	5.002	58	1.5	0.258	0.190	0.5462	
								Infiltration		0.3				
960 minute winter	58	630	8.589	0.344	2.3	2.8520	0.0000 SURCHARGED	5.003	59	1.6	0.272	0.215	0.3906	
								Infiltration		0.6				
960 minute winter	59	630	8.589	0.354	2.4	2.4048	0.0000 OK	5.004	60	1.4	0.042	0.002	12.1969	
								Infiltration		0.4				
960 minute winter	60	630	8.589	0.404	2.2	0.1373	0.0000 OK	5.005	61	0.6	0.029	0.001	18.1021	
								Infiltration		0.6				
960 minute winter	61	630	8.589	0.453	1.4	0.1540	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000	
								Infiltration		0.9				
960 minute winter	62	630	8.204	0.068	0.6	0.0230	0.0000 OK	5.007	63	0.6	0.042	0.000	11.6573	
960 minute winter	63	630	8.204	0.388	1.7	0.1250	0.0000 OK	5.008	63_OUT	-0.2	0.018	0.000	9.0230	
								Infiltration		0.6				
960 minute winter	63_OUT	630	8.204	0.438	0.8	0.1492	0.0000 OK	Infiltration		0.5				
960 minute winter	64	660	6.616	0.431	0.4	0.0689	0.0000 OK	6.000	65	0.2	0.041	0.000	4.5261	
960 minute winter	65	660	6.616	0.491	0.6	0.0785	0.0000 OK	6.001	66	0.1	0.039	0.000	6.1415	
								Infiltration		0.2				
960 minute winter	66	660	6.616	0.523	0.6	0.0826	0.0000 OK	6.002	67	-0.1	-0.002	0.000	3.4755	
								Infiltration		0.3				
960 minute winter	67	660	6.616	0.540	0.4	0.0836	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000	
								Infiltration		0.1				
960 minute winter	68	660	6.188	0.112	0.4	0.0174	0.0000 OK	6.004	69	0.3	0.029	0.000	6.4873	
960 minute winter	69	660	6.188	0.423	0.7	0.0677	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000	
								Infiltration		0.4				
960 minute winter	70	675	6.048	0.294	1.7	0.0471	0.0000 OK	6.006	71	1.6	0.034	0.001	2.5219	
960 minute winter	71	675	6.048	0.364	7.0	0.0583	0.0000 OK	6.007	72	7.5	-0.054	0.005	7.7576	
								Infiltration		0.1				
960 minute winter	72	675	6.050	0.385	7.5	0.0584	0.0000 OK	6.008	73	10.9	0.770	0.750	0.0310	
								Infiltration		0.4				
960 minute winter	73	795	6.358	0.654	10.9	0.1047	0.0000 OK	6.009	74	10.9	0.018	0.007	4.5179	
960 minute winter	74	795	6.358	0.654	10.9	0.1047	0.0000 OK	6.010	75	11.9	0.043	0.008	5.1182	
								Infiltration		0.2				
960 minute winter	75	795	6.360	0.655	11.9	0.1047	0.0000 OK	6.011	76	7.9	0.030	0.003	5.3201	
								Infiltration		0.2				
960 minute winter	76	795	6.360	0.725	7.9	0.1102	0.0000 OK	6.012	76_OUT	4.4	-0.005	0.003	5.3882	
								Infiltration		0.2				
960 minute winter	76_OUT	870	6.360	0.725	4.5	0.1161	0.0000 OK	Infiltration		0.2				

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Results for 1000 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 88.35%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	1	720	9.800	0.500	0.7	0.0000	0.0000	FLOOD RISK	1.000	2	-0.7	-0.029	-0.031	0.4653	
1440 minute summer	2	720	9.800	0.550	1.8	0.0000	0.0000	FLOOD RISK	1.001	3	-1.8	-0.060	-0.093	1.1284	
1440 minute summer	3	720	9.800	0.650	2.3	0.0000	0.0000	FLOOD RISK	1.002	4	-2.3	-0.073	-0.108	0.4986	
1440 minute summer	4	720	9.800	0.700	2.6	0.0000	0.0000	FLOOD RISK	1.003	5	-2.6	-0.081	-0.111	0.8441	
1440 minute summer	5	720	9.800	0.800	2.8	0.0000	0.0000	FLOOD RISK	1.004	6	-2.8	-0.091	-0.078	0.1621	
1440 minute summer	6	720	9.800	0.900	15.8	7.6876	0.0000	FLOOD RISK	1.005	7	15.8	0.494	0.328	0.7796	
1440 minute summer	7	720	9.800	1.050	24.9	4.4750	0.0000	FLOOD RISK	1.006	8	24.9	0.490	0.355	2.4923	
1440 minute summer	8	720	9.800	1.250	43.2	8.8209	0.0000	FLOOD RISK	1.007	9	43.2	0.499	0.398	5.9250	
1440 minute summer	9	720	9.800	1.450	73.3	14.2842	0.0000	FLOOD RISK	1.008	10	73.3	0.473	0.309	3.1380	
1440 minute summer	10	720	9.800	1.500	79.0	2.6846	0.0000	FLOOD RISK	1.009	11	79.0	0.452	0.535	47.8613	
1440 minute summer	11	750	9.730	1.730	79.0	0.0000	0.0000	FLOOD RISK	1.010	12	79.0	0.404	0.274	50.3278	
1440 minute summer	12	180	7.750	1.000	79.0	0.0000	0.0000	FLOOD RISK	1.011	13	79.0	0.603	0.402	0.2684	
1440 minute summer	13	750	9.584	0.084	79.0	0.0000	0.0000	OK	1.012	13_OUT	79.0	3.827	0.084	0.1305	
1440 minute summer	13_OUT	1470	8.000	0.467	79.0	0.0000	0.0000	OK	Flow through pond	49	135.5	0.000	0.000	4267.0615	
1440 minute summer	14	750	9.753	0.453	0.5	0.0000	0.0000	FLOOD RISK	2.000	15	-0.5	-0.017	-0.017	0.8136	
1440 minute summer	15	750	9.753	0.687	12.1	5.2872	0.0000	FLOOD RISK	2.001	16	12.1	0.445	0.250	0.9254	
1440 minute summer	16	750	9.747	0.756	12.1	0.0000	0.0000	FLOOD RISK	2.002	17	12.1	0.449	0.248	0.5320	
1440 minute summer	17	750	9.743	0.884	18.3	2.7417	0.0000	FLOOD RISK	2.003	18	18.3	0.461	0.234	1.8750	
1440 minute summer	18	750	9.737	1.056	33.3	6.8455	0.0000	FLOOD RISK	2.004	19	33.3	0.489	0.265	5.4890	
1440 minute summer	19	750	9.728	1.272	59.2	11.4753	0.0000	FLOOD RISK	2.005	20	59.2	0.488	0.300	4.0628	
1440 minute summer	20	750	9.724	1.313	59.2	0.0000	0.0000	FLOOD RISK	2.006	21	59.2	0.686	0.299	3.4979	
1440 minute summer	21	750	9.721	1.349	59.2	0.0000	0.0000	FLOOD RISK	2.007	22	59.2	0.681	0.099	3.7464	
1440 minute summer	22	750	9.717	1.717	75.9	7.4598	0.0000	FLOOD RISK	2.008	23	75.9	0.388	0.283	53.3017	
1440 minute summer	23	150	7.750	1.000	75.9	0.0000	0.0000	FLOOD RISK	2.009	24	75.9	0.582	0.387	0.2679	
1440 minute summer	24	750	9.583	0.083	75.9	0.0000	0.0000	OK	2.010	24_OUT	75.9	3.588	0.061	0.1267	
1440 minute summer	24_OUT	1470	8.000	0.467	75.9	0.0000	0.0000	OK	Flow through pond	49	135.5	0.000	0.000	4267.0615	
1440 minute summer	25	750	8.824	0.028	1.4	0.0181	0.0000	OK	3.000	26	1.4	0.465	0.078	0.1074	
1440 minute summer	26	750	8.475	0.040	2.8	0.0968	0.0000	OK	3.001	27	2.5	0.836	0.156	0.1558	
									Infiltration		0.3				
1440 minute summer	27	750	8.157	0.042	3.9	0.1265	0.0000	OK	3.002	28	3.5	0.620	0.171	0.1377	
									Infiltration		0.4				
1440 minute summer	28	750	7.740	0.045	4.9	0.0988	0.0000	OK	3.003	29	4.6	0.968	0.194	0.1698	
									Infiltration		0.3				
1440 minute summer	29	750	7.114	0.049	5.0	0.0942	0.0000	OK	3.004	30	5.8	1.189	0.207	0.0328	
									Infiltration		0.2				
1440 minute summer	30	780	6.894	0.069	8.1	0.0082	0.0000	OK	3.005	31	5.9	0.138	0.002	1.7304	
1440 minute summer	31	780	6.893	0.198	9.2	0.0237	0.0000	OK	3.006	32	4.7	0.058	0.003	2.2465	
									Infiltration		1.3				
1440 minute summer	32	780	6.893	0.248	5.0	0.0297	0.0000	OK	3.007	33	2.6	0.036	0.002	1.7938	

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									Infiltration		1.1				
									Infiltration		1.2				
1440 minute summer	33	780	6.893	0.118	2.8	0.0141	0.0000	OK	3.008	34	2.6	0.136	0.002	1.1110	
1440 minute summer	34	780	6.892	0.147	2.9	0.0177	0.0000	OK	3.009	35	1.9	0.132	0.001	1.2377	
									Infiltration		0.9				
1440 minute summer	35	780	6.892	0.217	2.2	0.0261	0.0000	OK	3.010	36	1.2	0.019	0.000	3.2030	
									Infiltration		0.8				
1440 minute summer	36	780	6.892	0.367	1.5	0.0442	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		1.3				
1440 minute summer	37	750	6.511	0.006	0.3	0.0007	0.0000	OK	3.012	38	0.3	0.011	0.000	1.5991	
1440 minute summer	38	750	6.468	0.203	2.2	0.0244	0.0000	OK	3.013	39	-1.8	-0.045	-0.001	1.0597	
									Infiltration		0.9				
									Infiltration		1.2				
1440 minute summer	39	750	6.468	0.014	1.6	0.0017	0.0000	OK	3.014	40	-1.3	-0.201	-0.001	0.0916	
									Infiltration		0.0				
1440 minute summer	40	750	6.707	0.012	1.3	0.0014	0.0000	OK	3.015	41	-1.0	-0.179	-0.001	0.0755	
									Infiltration		0.0				
1440 minute summer	41	750	6.876	0.011	1.1	0.0013	0.0000	OK	3.016	42	-0.8	-0.151	-0.001	0.0642	
									Infiltration		0.0				
1440 minute summer	42	750	7.093	0.008	0.8	0.0010	0.0000	OK	3.017	43	-0.5	-0.099	0.000	0.0627	
									Infiltration		0.0				
1440 minute summer	43	750	7.155	0.010	0.5	0.0012	0.0000	OK	3.018	44	-0.2	-0.048	0.000	0.0491	
									Infiltration		0.0				
1440 minute summer	44	750	7.230	0.005	0.3	0.0006	0.0000	OK	3.019	45	0.1	0.035	0.000	0.0396	
1440 minute summer	45	750	7.293	0.008	0.4	0.0010	0.0000	OK	3.020	46	0.4	0.092	0.000	0.0567	
									Infiltration		0.0				
1440 minute summer	46	750	7.134	0.009	0.7	0.0011	0.0000	OK	3.021	47	0.7	0.135	0.000	0.0709	
									Infiltration		0.0				
1440 minute summer	47	750	6.976	0.011	1.0	0.0013	0.0000	OK	3.022	48	1.0	0.072	0.000	0.6798	
									Infiltration		0.0				
1440 minute summer	48	810	6.972	0.177	1.3	0.0212	0.0000	OK	3.023	53	0.9	0.065	0.001	1.7011	
									Infiltration		0.2				
1440 minute summer	49	1590	7.393	-0.607	177.1	0.0000	0.0000	OK	Orifice	50	0.0				
									Infiltration		0.0				
1440 minute summer	50	30	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000	
1440 minute summer	51	30	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000	
1440 minute summer	52	30	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000	
1440 minute summer	53	810	6.972	0.187	1.2	0.0224	0.0000	OK	3.024	54	0.7	0.104	0.000	2.9580	
									Infiltration		0.2				
1440 minute summer	54	810	6.972	0.347	1.0	0.0416	0.0000	OK	3.025	54_OUT	0.4	0.026	0.000	5.5639	
									Infiltration		0.3				
1440 minute summer	54_OUT	810	6.972	0.467	0.6	0.0560	0.0000	OK	Infiltration		0.4				
1440 minute summer	55	840	8.510	0.084	0.7	0.0216	0.0000	OK	5.000	56	0.7	0.261	0.095	0.1580	
1440 minute summer	56	840	8.509	0.093	1.4	0.5785	0.0000	OK	5.001	57	1.3	0.302	0.101	0.3068	

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									Infiltration		0.2				
1440 minute summer	57	840	8.509	0.199	2.0	0.8995	0.0000	SURCHARGED	S.002	58	1.5	0.287	0.183	0.5462	
									Infiltration		0.3				
1440 minute summer	58	840	8.509	0.284	2.2	2.0771	0.0000	SURCHARGED	S.003	59	1.5	0.266	0.199	0.3906	
									Infiltration		0.5				
1440 minute summer	59	840	8.509	0.304	2.2	1.8725	0.0000	OK	S.004	60	1.3	0.042	0.002	8.8358	
									Infiltration		0.4				
1440 minute summer	60	840	8.509	0.324	2.0	0.1100	0.0000	OK	S.005	61	0.5	0.030	0.001	13.4391	
									Infiltration		0.5				
1440 minute summer	61	840	8.509	0.373	1.2	0.1287	0.0000	OK	S.006	62	0.0	0.000	0.000	0.0000	
									Infiltration		0.8				
1440 minute summer	62	840	8.153	0.017	0.7	0.0058	0.0000	OK	S.007	63	0.7	0.041	0.000	8.7329	
1440 minute summer	63	840	8.153	0.317	1.4	0.1078	0.0000	OK	S.008	63_OUT	0.2	0.015	0.000	7.4510	
									Infiltration		0.7				
1440 minute summer	63_OUT	840	8.153	0.368	0.7	0.1319	0.0000	OK	Infiltration		0.4				
1440 minute summer	64	900	6.522	0.337	0.3	0.0540	0.0000	OK	S.000	65	0.2	0.040	0.000	3.3364	
1440 minute summer	65	900	6.522	0.397	0.5	0.0636	0.0000	OK	S.001	66	0.2	0.002	0.000	4.5506	
									Infiltration		0.2				
1440 minute summer	66	900	6.522	0.429	0.4	0.0679	0.0000	OK	S.002	67	-0.1	0.001	0.000	2.8079	
									Infiltration		0.2				
1440 minute summer	67	900	6.522	0.448	0.3	0.0692	0.0000	OK	S.003	68	0.0	0.000	0.000	0.0000	
									Infiltration		0.1				
1440 minute summer	68	870	6.134	0.058	0.3	0.0090	0.0000	OK	S.004	69	0.3	0.017	0.000	4.9859	
1440 minute summer	69	870	6.134	0.389	0.6	0.0590	0.0000	OK	S.005	70	0.0	0.000	0.000	0.0000	
									Infiltration		0.3				
1440 minute summer	70	870	5.952	0.197	0.3	0.0315	0.0000	OK	S.006	71	0.2	0.023	0.000	1.5688	
1440 minute summer	71	870	5.952	0.297	0.5	0.0427	0.0000	OK	S.007	72	0.2	0.008	0.000	5.0254	
									Infiltration		0.1				
1440 minute summer	72	870	5.952	0.287	0.5	0.0427	0.0000	OK	S.008	73	0.0	0.000	0.000	0.0018	
									Infiltration		0.3				
1440 minute summer	73	900	6.223	0.518	0.3	0.0830	0.0000	OK	S.009	74	0.2	0.015	0.000	3.1597	
1440 minute summer	74	900	6.223	0.518	0.5	0.0830	0.0000	OK	S.010	75	0.2	0.040	0.000	3.5780	
									Infiltration		0.1				
1440 minute summer	75	900	6.223	0.518	0.4	0.0830	0.0000	OK	S.011	76	0.2	0.020	0.000	3.7821	
									Infiltration		0.1				
1440 minute summer	76	900	6.223	0.588	0.4	0.0895	0.0000	OK	S.012	76_OUT	0.1	0.003	0.000	3.8849	
									Infiltration		0.1				
1440 minute summer	76_OUT	900	6.223	0.588	0.3	0.0942	0.0000	OK	Infiltration		0.1				

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Results for 1000 year 1440 minute winter, 1680 minute analysis at 30 minute timestep. Mass balance: 88.47%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	1	750	9.730	0.430	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	0.002	0.002	0.4653	
1440 minute winter	2	750	9.730	0.480	0.0	0.0000	0.0000	FLOOD RISK	1.001	3	0.1	0.004	0.007	1.1284	
1440 minute winter	3	750	9.731	0.581	0.1	0.0000	0.0000	FLOOD RISK	1.002	4	0.2	0.007	0.010	0.4986	
1440 minute winter	4	750	9.731	0.631	0.2	0.0000	0.0000	FLOOD RISK	1.003	5	0.3	0.010	0.013	0.8441	
1440 minute winter	5	750	9.731	0.731	1.5	0.0000	0.0000	FLOOD RISK	1.004	6	-1.5	-0.099	-0.041	0.1621	
1440 minute winter	6	750	9.731	0.831	11.9	8.8470	0.0000	FLOOD RISK	1.005	7	11.9	0.515	0.245	0.7796	
1440 minute winter	7	750	9.726	0.976	18.8	3.9753	0.0000	FLOOD RISK	1.006	8	18.8	0.509	0.268	2.4923	
1440 minute winter	8	750	9.718	1.168	32.6	8.0192	0.0000	FLOOD RISK	1.007	9	32.6	0.516	0.301	5.9236	
1440 minute winter	9	750	9.709	1.359	55.2	13.2158	0.0000	FLOOD RISK	1.008	10	55.2	0.561	0.233	3.1360	
1440 minute winter	10	750	9.706	1.406	59.5	2.4935	0.0000	FLOOD RISK	1.009	11	59.5	0.493	0.463	47.8613	
1440 minute winter	11	750	9.658	1.858	59.5	0.0000	0.0000	FLOOD RISK	1.010	12	59.5	0.424	0.207	53.3278	
1440 minute winter	12	180	7.750	1.000	59.5	0.0000	0.0000	FLOOD RISK	1.011	13	59.5	0.464	0.303	8.2635	
1440 minute winter	13	750	9.574	0.674	59.5	0.0000	0.0000	OK	1.012	13_OUT	59.5	3.336	0.048	0.1068	
1440 minute winter	13_OUT	1470	8.058	0.525	59.5	0.0000	0.0000	OK	Flow through pond	49	129.0	0.011	0.000	4845.9292	
1440 minute winter	14	750	9.671	0.371	0.5	0.0000	0.0000	FLOOD RISK	2.000	15	-0.5	-0.017	-0.018	0.8136	
1440 minute winter	15	750	9.671	0.585	9.1	4.5379	0.0000	FLOOD RISK	2.001	16	9.1	0.484	0.188	0.9254	
1440 minute winter	16	750	9.666	0.677	9.1	0.0000	0.0000	FLOOD RISK	2.002	17	9.1	0.467	0.185	0.6320	
1440 minute winter	17	750	9.585	0.806	13.8	2.5016	0.0000	FLOOD RISK	2.003	18	13.8	0.479	0.177	1.8750	
1440 minute winter	18	750	9.662	0.981	25.1	6.1728	0.0000	FLOOD RISK	2.004	19	25.1	0.513	0.199	5.4896	
1440 minute winter	19	750	9.657	1.201	44.6	10.8323	0.0000	FLOOD RISK	2.005	20	44.6	0.522	0.226	4.0628	
1440 minute winter	20	750	9.655	1.244	44.6	0.0000	0.0000	FLOOD RISK	2.006	21	44.6	0.735	0.225	3.4979	
1440 minute winter	21	750	9.653	1.281	44.6	0.0000	0.0000	FLOOD RISK	2.007	22	44.6	0.744	0.075	3.7404	
1440 minute winter	22	750	9.651	1.651	57.2	7.1711	0.0000	FLOOD RISK	2.008	23	57.2	0.292	0.189	53.3017	
1440 minute winter	23	180	7.750	1.000	57.2	0.0000	0.0000	FLOOD RISK	2.009	24	57.2	0.447	0.291	0.2631	
1440 minute winter	24	750	9.572	0.072	57.2	0.0000	0.0000	OK	2.010	24_OUT	57.2	3.297	0.045	0.1038	
1440 minute winter	24_OUT	1470	8.058	0.525	57.2	0.0000	0.0000	OK	Flow through pond	49	129.0	0.011	0.000	4845.9292	
1440 minute winter	25	720	8.825	0.024	1.0	0.0154	0.0000	OK	3.000	26	1.0	0.425	0.058	0.0838	
1440 minute winter	26	720	8.468	0.033	2.0	0.0714	0.0000	OK	3.001	27	1.7	0.577	0.109	0.1198	
									Infiltration		0.3				
1440 minute winter	27	720	8.150	0.035	2.7	0.0911	0.0000	OK	3.002	28	2.4	0.738	0.116	0.1055	
									Infiltration		0.4				
1440 minute winter	28	720	7.732	0.037	3.4	0.0721	0.0000	OK	3.003	29	3.2	0.877	0.134	0.1290	
									Infiltration		0.2				
1440 minute winter	29	720	7.105	0.040	4.2	0.0679	0.0000	OK	3.004	30	4.0	1.079	0.143	0.0250	
									Infiltration		0.2				
1440 minute winter	30	720	6.858	0.031	4.2	0.0037	0.0000	OK	3.005	31	4.2	0.138	0.002	0.9409	
1440 minute winter	31	780	6.822	0.127	4.4	0.0152	0.0000	OK	3.006	32	3.4	0.056	0.002	1.3874	
									Infiltration		1.0				
1440 minute winter	32	780	6.822	0.177	3.6	0.0212	0.0000	OK	3.007	33	1.7	0.030	0.001	1.0098	

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									Infiltration		0.9				
									Infiltration		1.0				
1440 minute winter	33	780	6.821	0.048	1.9	0.0056	0.0000	OK	3.008	34	1.9	0.135	0.001	0.4522	
1440 minute winter	34	780	6.829	0.075	2.1	0.0090	0.0000	OK	3.009	35	1.5	0.141	0.001	0.6710	
									Infiltration		0.7				
1440 minute winter	35	780	6.820	0.145	1.7	0.0174	0.0000	OK	3.010	36	1.0	0.017	0.000	2.2414	
									Infiltration		0.6				
1440 minute winter	36	780	6.829	0.315	1.2	0.0358	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		1.1				
1440 minute winter	37	660	6.509	0.004	0.2	0.0005	0.0000	OK	3.012	38	0.2	0.011	0.000	1.0722	
1440 minute winter	38	840	6.413	0.148	1.5	0.0177	0.0000	OK	3.013	39	-1.1	-0.045	-0.001	0.7137	
									Infiltration		0.6				
									Infiltration		0.8				
1440 minute winter	39	660	6.466	0.011	1.1	0.0013	0.0000	OK	3.014	40	-0.9	-0.171	-0.001	0.0710	
									Infiltration		0.0				
1440 minute winter	40	660	6.704	0.009	0.9	0.0011	0.0000	OK	3.015	41	-0.7	-0.152	0.000	0.0594	
									Infiltration		0.0				
1440 minute winter	41	660	6.874	0.009	0.7	0.0010	0.0000	OK	3.016	42	-0.5	-0.129	0.000	0.0499	
									Infiltration		0.0				
1440 minute winter	42	660	7.092	0.007	0.5	0.0008	0.0000	OK	3.017	43	-0.3	-0.084	0.000	0.0468	
									Infiltration		0.0				
1440 minute winter	43	660	7.153	0.008	0.3	0.0010	0.0000	OK	3.018	44	-0.1	-0.041	0.000	0.0083	
									Infiltration		0.0				
1440 minute winter	44	660	7.228	0.004	0.2	0.0005	0.0000	OK	3.019	45	0.1	0.030	0.000	0.0309	
1440 minute winter	45	660	7.201	0.008	0.3	0.0008	0.0000	OK	3.020	46	0.3	0.078	0.000	0.0440	
									Infiltration		0.0				
1440 minute winter	46	660	7.132	0.007	0.5	0.0008	0.0000	OK	3.021	47	0.5	0.115	0.000	0.0550	
									Infiltration		0.0				
1440 minute winter	47	660	6.974	0.008	0.7	0.0010	0.0000	OK	3.022	48	0.6	0.060	0.000	0.6422	
									Infiltration		0.0				
1440 minute winter	48	870	6.966	0.171	0.8	0.0205	0.0000	OK	3.023	53	0.6	0.065	0.001	1.8299	
									Infiltration		0.2				
1440 minute winter	49	1680	8.052	0.052	151.7	0.7403	0.0000	OK	Orifice	50	0.6				
									Infiltration		0.0				
1440 minute winter	50	1590	7.418	0.018	0.6	0.0000	0.0000	OK	4.001	51	0.6	0.590	0.029	0.0072	
1440 minute winter	51	1500	7.315	0.015	0.6	0.0000	0.0000	OK	4.002	52	0.6	0.638	0.022	0.0038	
1440 minute winter	52	1470	7.218	0.016	0.6	0.0000	0.0000	OK	4.003	53	0.6	0.615	0.024	0.0024	
1440 minute winter	53	870	6.966	0.181	0.8	0.0217	0.0000	OK	3.024	54	0.6	0.104	0.000	2.8710	
									Infiltration		0.2				
1440 minute winter	54	870	6.966	0.341	0.7	0.0409	0.0000	OK	3.025	54_OUT	0.4	0.026	0.000	5.4458	
									Infiltration		0.3				
1440 minute winter	54_OUT	870	6.966	0.461	0.5	0.0553	0.0000	OK	Infiltration		0.4				
1440 minute winter	55	900	8.502	0.058	0.5	0.0190	0.0000	OK	5.000	56	0.5	0.238	0.068	0.1389	
1440 minute winter	56	900	8.502	0.086	1.0	0.3429	0.0000	OK	5.001	57	0.9	0.282	0.071	0.2947	

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									Infiltration		0.2				
1440 minute winter	57	900	8.501	0.181	1.4	0.8511	0.0000	SURCHARGED	S.002	S8	1.2	0.267	0.145	0.5462	
									Infiltration		0.3				
1440 minute winter	58	900	8.501	0.256	1.7	2.0024	0.0000	SURCHARGED	S.003	S9	1.1	0.267	0.142	0.3906	
									Infiltration		0.5				
1440 minute winter	59	900	8.501	0.296	1.6	1.8178	0.0000	OK	S.004	S0	0.9	0.042	0.001	6.5310	
									Infiltration		0.4				
1440 minute winter	60	900	8.501	0.318	1.4	0.1073	0.0000	OK	S.005	S1	0.4	0.025	0.000	13.0144	
									Infiltration		0.5				
1440 minute winter	61	900	8.501	0.385	0.9	0.1240	0.0000	OK	S.006	S2	0.0	0.000	0.000	0.0000	
									Infiltration		0.7				
1440 minute winter	62	900	8.152	0.016	0.5	0.0653	0.0000	OK	S.007	S3	0.5	0.041	0.000	8.8511	
1440 minute winter	63	900	8.152	0.316	1.0	0.1073	0.0000	OK	S.008	S3_OUT	0.2	0.017	0.000	7.4060	
									Infiltration		0.7				
1440 minute winter	63_OUT	900	8.152	0.387	0.5	0.1314	0.0000	OK	Infiltration		0.4				
1440 minute winter	64	960	6.543	0.358	0.3	0.0573	0.0000	OK	S.000	S5	0.2	0.040	0.000	3.6094	
1440 minute winter	65	960	6.543	0.418	0.5	0.0669	0.0000	OK	S.001	S6	0.2	0.022	0.000	4.8886	
									Infiltration		0.2				
1440 minute winter	66	960	6.543	0.450	0.4	0.0712	0.0000	OK	S.002	S7	-0.1	0.001	0.000	2.7926	
									Infiltration		0.2				
1440 minute winter	67	960	6.543	0.487	0.3	0.0724	0.0000	OK	S.003	S8	0.0	0.000	0.000	0.0000	
									Infiltration		0.1				
1440 minute winter	68	930	6.133	0.057	0.3	0.0689	0.0000	OK	S.004	S9	0.3	0.017	0.000	4.9674	
1440 minute winter	69	930	6.133	0.368	0.6	0.0589	0.0000	OK	S.005	S0	0.0	0.000	0.000	0.0000	
									Infiltration		0.3				
1440 minute winter	70	930	5.959	0.204	0.3	0.0326	0.0000	OK	S.006	S1	0.2	0.023	0.000	1.6353	
1440 minute winter	71	930	5.959	0.274	0.5	0.0438	0.0000	OK	S.007	S2	0.2	0.008	0.000	5.2151	
									Infiltration		0.1				
1440 minute winter	72	930	5.959	0.274	0.5	0.0438	0.0000	OK	S.008	S3	0.0	0.000	0.000	0.0000	
									Infiltration		0.4				
1440 minute winter	73	960	6.258	0.553	0.3	0.0885	0.0000	OK	S.009	S4	0.2	0.015	0.000	3.4846	
1440 minute winter	74	960	6.258	0.553	0.5	0.0885	0.0000	OK	S.010	S5	0.2	0.040	0.000	3.9458	
									Infiltration		0.1				
1440 minute winter	75	960	6.258	0.553	0.4	0.0885	0.0000	OK	S.011	S6	0.2	0.020	0.000	4.1489	
									Infiltration		0.2				
1440 minute winter	76	960	6.258	0.623	0.4	0.0947	0.0000	OK	S.012	S6_OUT	0.1	0.003	0.000	4.2431	
									Infiltration		0.2				
1440 minute winter	76_OUT	960	6.258	0.623	0.3	0.0997	0.0000	OK	Infiltration		0.2				

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Results for 1000 year 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 88.42%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	1	1140	9.702	0.402	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	0.001	0.002	0.4653	
2160 minute summer	2	1140	9.702	0.452	0.0	0.0000	0.0000	FLOOD RISK	1.001	3	0.0	-0.002	-0.002	1.1284	
2160 minute summer	3	1140	9.703	0.553	0.0	0.0000	0.0000	FLOOD RISK	1.002	4	0.0	-0.001	-0.002	0.4986	
2160 minute summer	4	1140	9.703	0.603	0.1	0.0000	0.0000	FLOOD RISK	1.003	5	-0.1	-0.002	-0.003	0.8441	
2160 minute summer	5	1140	9.702	0.702	0.7	0.0000	0.0000	FLOOD RISK	1.004	6	-0.7	-0.040	-0.013	0.1621	
2160 minute summer	6	1140	9.702	0.802	10.9	6.6145	0.0000	FLOOD RISK	1.005	7	10.9	0.447	0.225	0.7796	
2160 minute summer	7	1140	9.698	0.948	17.2	3.8648	0.0000	FLOOD RISK	1.006	8	17.2	0.445	0.245	2.4923	
2160 minute summer	8	1140	9.692	1.142	29.8	7.8392	0.0000	FLOOD RISK	1.007	9	29.8	0.448	0.278	5.9230	
2160 minute summer	9	1140	9.684	1.334	50.5	12.9755	0.0000	FLOOD RISK	1.008	10	50.5	0.425	0.213	3.1380	
2160 minute summer	10	1140	9.682	1.382	54.4	2.4505	0.0000	FLOOD RISK	1.009	11	54.4	0.402	0.368	47.8613	
2160 minute summer	11	1140	9.642	1.642	54.4	0.0000	0.0000	FLOOD RISK	1.010	12	54.4	0.278	0.189	50.3278	
2160 minute summer	12	240	7.750	1.000	54.4	0.0000	0.0000	FLOOD RISK	1.011	13	54.4	0.408	0.277	0.2622	
2160 minute summer	13	1140	9.571	0.071	54.4	0.0000	0.0000	OK	1.012	13_OUT	54.4	3.247	0.044	0.1004	
2160 minute summer	13_OUT	2160	8.024	0.491	54.4	0.0000	0.0000	OK	Flow through pond	49	125.4	0.007	0.000	4581.1055	
2160 minute summer	14	1140	9.652	0.352	0.4	0.0000	0.0000	FLOOD RISK	2.000	15	-0.4	-0.016	-0.015	0.8136	
2160 minute summer	15	1140	9.652	0.586	8.3	4.4889	0.0000	FLOOD RISK	2.001	16	8.3	0.402	0.171	0.9254	
2160 minute summer	16	1140	9.649	0.658	8.3	0.0000	0.0000	FLOOD RISK	2.002	17	8.3	0.408	0.168	0.5320	
2160 minute summer	17	1140	9.647	0.788	12.6	2.4455	0.0000	FLOOD RISK	2.003	18	12.6	0.408	0.161	1.8750	
2160 minute summer	18	1140	9.645	0.984	22.9	6.0823	0.0000	FLOOD RISK	2.004	19	22.9	0.435	0.182	5.4890	
2160 minute summer	19	1140	9.640	1.184	40.7	10.5814	0.0000	FLOOD RISK	2.005	20	40.7	0.429	0.206	4.0628	
2160 minute summer	20	1140	9.639	1.228	40.7	0.0000	0.0000	FLOOD RISK	2.006	21	40.7	0.601	0.208	3.4979	
2160 minute summer	21	1140	9.637	1.265	40.7	0.0000	0.0000	FLOOD RISK	2.007	22	40.7	0.609	0.066	3.7464	
2160 minute summer	22	1140	9.635	1.635	52.2	7.1031	0.0000	FLOOD RISK	2.008	23	52.2	0.267	0.181	53.3017	
2160 minute summer	23	240	7.750	1.000	52.2	0.0000	0.0000	FLOOD RISK	2.009	24	52.2	0.410	0.286	0.2618	
2160 minute summer	24	1140	9.569	0.069	52.2	0.0000	0.0000	OK	2.010	24_OUT	52.2	3.208	0.042	0.0974	
2160 minute summer	24_OUT	2160	8.022	0.488	52.2	0.0000	0.0000	OK	Flow through pond	49	125.4	0.007	0.000	4581.1055	
2160 minute summer	25	1140	8.819	0.023	0.9	0.0146	0.0000	OK	3.000	26	0.9	0.414	0.050	0.5775	
2160 minute summer	26	1140	8.467	0.032	1.8	0.0650	0.0000	OK	3.001	27	1.5	0.560	0.098	0.1105	
									Infiltration		0.3				
2160 minute summer	27	1140	8.148	0.033	2.4	0.0823	0.0000	OK	3.002	28	2.1	0.713	0.105	0.0970	
									Infiltration		0.3				
2160 minute summer	28	1140	7.730	0.035	3.0	0.0654	0.0000	OK	3.003	29	2.8	0.850	0.119	0.1183	
									Infiltration		0.2				
2160 minute summer	29	1140	7.103	0.038	3.7	0.0615	0.0000	OK	3.004	30	3.5	1.045	0.127	0.0229	
									Infiltration		0.2				
2160 minute summer	30	1140	6.854	0.029	3.7	0.0035	0.0000	OK	3.005	31	3.7	0.128	0.002	0.7957	
2160 minute summer	31	1140	6.803	0.108	3.9	0.0130	0.0000	OK	3.006	32	3.1	0.052	0.002	1.1830	
									Infiltration		0.8				
2160 minute summer	32	1140	6.803	0.158	3.3	0.0190	0.0000	OK	3.007	33	1.5	0.027	0.001	0.6255	

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								Infiltration		0.8					
								Infiltration		0.9					
2160 minute summer	33	1140	6.803	0.028	1.7	0.0033	0.0000 OK	3.008	34	1.7	0.137	0.001	0.2841		
2160 minute summer	34	1140	6.796	0.051	1.9	0.0062	0.0000 OK	3.009	35	1.6	0.129	0.001	0.5110		
								Infiltration		0.6					
2160 minute summer	35	1140	6.796	0.121	1.8	0.0146	0.0000 OK	3.010	36	1.0	0.014	0.000	1.9610		
								Infiltration		0.8					
2160 minute summer	36	1140	6.796	0.291	1.2	0.0332	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000		
								Infiltration		1.1					
2160 minute summer	37	1140	6.509	0.004	0.2	0.0005	0.0000 OK	3.012	38	0.2	0.006	0.000	1.0609		
2160 minute summer	38	1140	6.411	0.146	1.5	0.0176	0.0000 OK	3.013	39	-1.1	-0.030	-0.001	0.7064		
								Infiltration		0.5					
								Infiltration		0.8					
2160 minute summer	39	1140	6.466	0.011	1.1	0.0013	0.0000 OK	3.014	40	-0.9	-0.171	-0.001	0.0710		
								Infiltration		0.0					
2160 minute summer	40	1140	6.704	0.009	0.9	0.0011	0.0000 OK	3.015	41	-0.7	-0.152	0.000	0.0594		
								Infiltration		0.0					
2160 minute summer	41	1140	6.874	0.009	0.7	0.0010	0.0000 OK	3.016	42	-0.5	-0.129	0.000	0.0499		
								Infiltration		0.0					
2160 minute summer	42	1140	7.092	0.007	0.5	0.0008	0.0000 OK	3.017	43	-0.3	-0.084	0.000	0.0468		
								Infiltration		0.0					
2160 minute summer	43	1140	7.153	0.008	0.3	0.0010	0.0000 OK	3.018	44	-0.1	-0.041	0.000	0.0383		
								Infiltration		0.0					
2160 minute summer	44	1140	7.229	0.004	0.2	0.0005	0.0000 OK	3.019	45	0.1	0.030	0.000	0.0309		
2160 minute summer	45	1140	7.201	0.006	0.3	0.0008	0.0000 OK	3.020	46	0.3	0.078	0.000	0.0440		
								Infiltration		0.0					
2160 minute summer	46	1140	7.132	0.007	0.5	0.0008	0.0000 OK	3.021	47	0.5	0.115	0.000	0.0550		
								Infiltration		0.0					
2160 minute summer	47	1140	6.974	0.008	0.7	0.0010	0.0000 OK	3.022	48	0.6	0.056	0.000	0.5159		
								Infiltration		0.0					
2160 minute summer	48	1200	6.909	0.114	0.8	0.0136	0.0000 OK	3.023	53	0.5	0.065	0.001	1.0052		
								Infiltration		0.1					
2160 minute summer	49	2340	8.024	0.024	144.3	0.3479	0.0000 OK	Orifice	50	0.2					
								Infiltration		0.0					
2160 minute summer	50	2340	7.411	0.011	0.2	0.0000	0.0000 OK	4.001	51	0.2	0.431	0.010	0.0035		
2160 minute summer	51	2400	7.309	0.009	0.2	0.0000	0.0000 OK	4.002	52	0.2	0.465	0.008	0.0018		
2160 minute summer	52	2220	7.210	0.010	0.2	0.0000	0.0000 OK	4.003	53	0.2	0.447	0.009	0.0012		
2160 minute summer	53	1200	6.909	0.124	0.8	0.0148	0.0000 OK	3.024	54	0.5	0.112	0.000	2.1091		
								Infiltration		0.2					
2160 minute summer	54	1200	6.909	0.284	0.7	0.0340	0.0000 OK	3.025	54_OUT	0.5	0.013	0.000	4.3864		
								Infiltration		0.3					
2160 minute summer	54_OUT	1200	6.909	0.404	0.6	0.0484	0.0000 OK	Infiltration		0.4					
2160 minute summer	55	1140	8.472	0.026	0.5	0.0089	0.0000 OK	5.000	56	0.5	0.235	0.068	0.0393		
2160 minute summer	56	1260	8.451	0.035	1.0	0.1021	0.0000 OK	5.001	57	0.9	0.282	0.071	0.2129		

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								Infiltration		0.1				
2160 minute summer	57	1260	8.450	0.140	1.4	0.5365	0.0000 OK	S.002	58	1.1	0.258	0.140	0.5391	
								Infiltration		0.3				
2160 minute summer	58	1260	8.450	0.205	1.6	1.5145	0.0000 SURCHARGED	S.003	59	1.0	0.251	0.138	0.3906	
								Infiltration		0.5				
2160 minute summer	59	1260	8.450	0.245	1.5	1.4638	0.0000 OK	S.004	60	0.9	0.041	0.001	6.6742	
								Infiltration		0.4				
2160 minute summer	60	1260	8.450	0.285	1.4	0.9901	0.0000 OK	S.005	61	0.4	0.026	0.000	10.4193	
								Infiltration		0.5				
2160 minute summer	61	1260	8.450	0.314	0.9	0.1068	0.0000 OK	S.006	62	0.0	0.000	0.000	0.0000	
								Infiltration		0.7				
2160 minute summer	62	1140	8.146	0.610	0.5	0.0033	0.0000 OK	S.007	63	0.5	0.040	0.000	7.0568	
2160 minute summer	63	1260	8.111	0.275	1.0	0.0934	0.0000 OK	S.008	63_OUT	0.1	0.014	0.000	6.2345	
								Infiltration		0.6				
2160 minute summer	63_OUT	1260	8.111	0.346	0.5	0.1175	0.0000 OK	Infiltration		0.4				
2160 minute summer	64	1260	6.437	0.252	0.2	0.0403	0.0000 OK	S.000	65	0.1	0.024	0.000	2.3083	
2160 minute summer	65	1260	6.437	0.312	0.3	0.0499	0.0000 OK	S.001	66	0.1	0.005	0.000	3.2697	
								Infiltration		0.2				
2160 minute summer	66	1260	6.437	0.344	0.3	0.0543	0.0000 OK	S.002	67	-0.1	0.001	0.000	1.9060	
								Infiltration		0.2				
2160 minute summer	67	1260	6.437	0.381	0.2	0.0559	0.0000 OK	S.003	68	0.0	0.000	0.000	0.0000	
								Infiltration		0.1				
2160 minute summer	68	1260	6.081	0.065	0.2	0.0007	0.0000 OK	S.004	69	0.2	0.009	0.000	3.8753	
2160 minute summer	69	1260	6.081	0.316	0.4	0.0505	0.0000 OK	S.005	70	0.0	0.000	0.000	0.0000	
								Infiltration		0.3				
2160 minute summer	70	1260	5.885	0.130	0.2	0.0208	0.0000 OK	S.006	71	0.2	0.014	0.000	1.6210	
2160 minute summer	71	1260	5.885	0.200	0.4	0.0320	0.0000 OK	S.007	72	0.2	0.006	0.000	3.4457	
								Infiltration		0.1				
2160 minute summer	72	1260	5.865	0.200	0.4	0.0320	0.0000 OK	S.008	73	0.0	0.000	0.000	0.0000	
								Infiltration		0.3				
2160 minute summer	73	1440	6.120	0.415	0.2	0.0665	0.0000 OK	S.009	74	0.1	0.013	0.000	2.2759	
2160 minute summer	74	1440	6.120	0.415	0.3	0.0665	0.0000 OK	S.010	75	0.1	0.019	0.000	2.5771	
								Infiltration		0.1				
2160 minute summer	75	1440	6.120	0.415	0.3	0.0665	0.0000 OK	S.011	76	0.1	0.005	0.000	2.7792	
								Infiltration		0.1				
2160 minute summer	76	1440	6.120	0.485	0.3	0.0738	0.0000 OK	S.012	76_OUT	0.1	0.002	0.000	2.9014	
								Infiltration		0.1				
2160 minute summer	76_OUT	1440	6.120	0.485	0.2	0.0777	0.0000 OK	Infiltration		0.1				

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Results for 1000 year 2160 minute winter, 2400 minute analysis at 60 minute timestep. Mass balance: 88.56%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	1	1140	9.642	0.342	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	-0.001	-0.002	0.4653	
2160 minute winter	2	1140	9.642	0.392	0.0	0.0000	0.0000	FLOOD RISK	1.001	3	0.1	0.002	0.003	1.1284	
2160 minute winter	3	1140	9.642	0.492	0.1	0.0000	0.0000	FLOOD RISK	1.002	4	-0.1	-0.002	-0.002	0.4986	
2160 minute winter	4	1140	9.642	0.542	0.0	0.0000	0.0000	FLOOD RISK	1.003	5	0.1	0.002	0.002	0.8441	
2160 minute winter	5	1140	9.642	0.642	0.7	0.0000	0.0000	FLOOD RISK	1.004	6	-0.7	-0.073	-0.018	0.1621	
2160 minute winter	6	1140	9.642	0.742	8.4	8.1168	0.0000	FLOOD RISK	1.005	7	8.4	0.455	0.173	0.7796	
2160 minute winter	7	1140	9.639	0.889	13.3	3.8254	0.0000	FLOOD RISK	1.006	8	13.3	0.458	0.189	2.4923	
2160 minute winter	8	1140	9.636	1.086	23.0	7.4527	0.0000	FLOOD RISK	1.007	9	23.0	0.467	0.213	5.9236	
2160 minute winter	9	1140	9.631	1.281	39.0	12.4685	0.0000	FLOOD RISK	1.008	10	39.0	0.455	0.165	3.1360	
2160 minute winter	10	1140	9.630	1.330	42.0	2.3578	0.0000	FLOOD RISK	1.009	11	42.0	0.443	0.284	47.8613	
2160 minute winter	11	1140	9.606	1.606	42.0	0.0000	0.0000	FLOOD RISK	1.010	12	42.0	0.215	0.146	53.3278	
2160 minute winter	12	240	7.750	1.000	42.0	0.0000	0.0000	FLOOD RISK	1.011	13	42.0	0.334	0.214	8.2568	
2160 minute winter	13	1140	9.562	0.562	42.0	0.0000	0.0000	OK	1.012	13_OUT	42.0	3.002	0.034	0.0838	
2160 minute winter	13_OUT	2220	8.091	0.555	42.0	0.0000	0.0000	OK	Flow through pond	49	86.7	0.007	0.000	5160.4053	
2160 minute winter	14	1140	9.611	0.311	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.016	-0.007	0.8136	
2160 minute winter	15	1140	9.611	0.525	5.4	4.1651	0.0000	FLOOD RISK	2.001	16	5.4	0.414	0.132	0.9254	
2160 minute winter	16	1140	9.610	0.619	6.4	0.0000	0.0000	FLOOD RISK	2.002	17	6.4	0.420	0.130	0.6320	
2160 minute winter	17	1140	9.609	0.758	9.7	2.3257	0.0000	FLOOD RISK	2.003	18	9.7	0.431	0.124	1.8750	
2160 minute winter	18	1140	9.607	0.928	17.7	5.8258	0.0000	FLOOD RISK	2.004	19	17.7	0.462	0.141	5.4896	
2160 minute winter	19	1140	9.605	1.149	31.4	10.3576	0.0000	FLOOD RISK	2.005	20	31.4	0.485	0.159	4.0628	
2160 minute winter	20	1140	9.603	1.192	31.4	0.0000	0.0000	FLOOD RISK	2.006	21	31.4	0.853	0.159	3.4979	
2160 minute winter	21	1140	9.602	1.236	31.4	0.0000	0.0000	FLOOD RISK	2.007	22	31.4	0.567	0.053	3.7404	
2160 minute winter	22	1140	9.601	1.601	40.3	8.9584	0.0000	FLOOD RISK	2.008	23	40.3	0.205	0.140	53.3017	
2160 minute winter	23	240	7.750	1.000	40.3	0.0000	0.0000	FLOOD RISK	2.009	24	40.3	0.322	0.205	0.2585	
2160 minute winter	24	1140	9.561	0.061	40.3	0.0000	0.0000	OK	2.010	24_OUT	40.3	2.965	0.033	0.0814	
2160 minute winter	24_OUT	2220	8.091	0.555	40.3	0.0000	0.0000	OK	Flow through pond	49	86.7	0.007	0.000	5160.4053	
2160 minute winter	25	1080	8.815	0.020	0.7	0.0130	0.0000	OK	3.000	26	0.7	0.387	0.039	0.0644	
2160 minute winter	26	1080	8.463	0.028	1.4	0.0522	0.0000	OK	3.001	27	1.3	0.518	0.074	0.0908	
									Infiltration		0.2				
2160 minute winter	27	1080	8.144	0.029	1.9	0.0647	0.0000	OK	3.002	28	1.6	0.657	0.079	0.0793	
									Infiltration		0.3				
2160 minute winter	28	1080	7.725	0.030	2.3	0.0520	0.0000	OK	3.003	29	2.1	0.785	0.089	0.0951	
									Infiltration		0.2				
2160 minute winter	29	1080	7.098	0.033	2.8	0.0487	0.0000	OK	3.004	30	2.7	0.967	0.095	0.0186	
									Infiltration		0.2				
2160 minute winter	30	1080	6.549	0.024	2.8	0.0029	0.0000	OK	3.005	31	2.8	0.138	0.001	5.6866	
2160 minute winter	31	1200	6.791	0.096	2.9	0.0116	0.0000	OK	3.006	32	2.1	0.052	0.001	1.0574	
									Infiltration		0.7				
2160 minute winter	32	1200	6.791	0.146	2.2	0.0175	0.0000	OK	3.007	33	0.5	0.011	0.000	0.7151	

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									Infiltration		0.8				
									Infiltration		0.9				
2160 minute winter	33	1200	6.791	0.016	0.6	0.0019	0.0000	OK	3.008	34	0.6	0.093	0.000	0.0804	
2160 minute winter	34	1980	6.756	0.011	0.7	0.0013	0.0000	OK	3.009	35	0.6	0.125	0.000	0.0481	
									Infiltration		0.1				
2160 minute winter	35	1200	6.684	0.009	0.7	0.0011	0.0000	OK	3.010	36	0.7	0.014	0.000	0.6073	
									Infiltration		0.1				
2160 minute winter	36	1200	6.684	0.179	0.8	0.0204	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.8				
2160 minute winter	37	780	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.066	0.000	0.5365	
2160 minute winter	38	1020	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.030	0.000	0.3605	
									Infiltration		0.3				
									Infiltration		0.4				
2160 minute winter	39	780	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461	
									Infiltration		0.0				
2160 minute winter	40	780	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.118	0.000	0.0386	
									Infiltration		0.0				
2160 minute winter	41	780	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324	
									Infiltration		0.0				
2160 minute winter	42	780	7.069	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.064	0.000	0.0319	
									Infiltration		0.0				
2160 minute winter	43	780	7.156	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251	
									Infiltration		0.0				
2160 minute winter	44	780	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202	
2160 minute winter	45	780	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0286	
									Infiltration		0.0				
2160 minute winter	46	780	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357	
									Infiltration		0.0				
2160 minute winter	47	780	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.056	0.000	0.3780	
									Infiltration		0.0				
2160 minute winter	48	2400	6.585	0.099	0.4	0.0108	0.0000	OK	3.023	53	0.4	0.065	0.001	0.7742	
									Infiltration		0.1				
2160 minute winter	49	2220	8.086	0.086	98.4	1.2219	0.0000	OK	Orifice	50	0.9				
									Infiltration		0.0				
2160 minute winter	50	2220	7.421	0.021	0.9	0.0000	0.0000	OK	4.001	51	0.9	0.658	0.041	0.0093	
2160 minute winter	51	2280	7.316	0.018	0.9	0.0000	0.0000	OK	4.002	52	0.9	0.711	0.031	0.0048	
2160 minute winter	52	2280	7.219	0.018	0.9	0.0000	0.0000	OK	4.003	53	0.9	0.585	0.035	0.0031	
2160 minute winter	53	2400	6.585	0.100	0.9	0.0120	0.0000	OK	3.024	54	0.6	0.112	0.000	1.8041	
									Infiltration		0.2				
2160 minute winter	54	2400	6.885	0.280	0.6	0.0312	0.0000	OK	3.025	54_OUT	0.5	0.013	0.000	3.9713	
									Infiltration		0.2				
2160 minute winter	54_OUT	2400	6.885	0.380	0.6	0.0456	0.0000	OK	Infiltration		0.3				
2160 minute winter	55	1980	8.475	0.024	0.4	0.0080	0.0000	OK	5.000	56	0.4	0.224	0.054	0.0306	
2160 minute winter	56	1980	8.440	0.024	0.8	0.0531	0.0000	OK	5.001	57	0.7	0.276	0.056	0.1773	

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								Infiltration		0.1				
2160 minute winter	57	1260	8.432	0.122	1.1	0.4259	0.0000 OK	S.002	S8	1.0	0.238	0.119	0.5112	
								Infiltration		0.3				
2160 minute winter	58	1260	8.432	0.187	1.4	1.3453	0.0000 SURCHARGED	S.003	S9	0.8	0.251	0.110	0.3906	
								Infiltration		0.5				
2160 minute winter	59	1260	8.432	0.227	1.2	1.3348	0.0000 OK	S.004	S0	0.7	0.041	0.001	6.0409	
								Infiltration		0.4				
2160 minute winter	60	1260	8.432	0.247	1.1	0.0838	0.0000 OK	S.005	S1	0.4	0.026	0.000	9.5303	
								Infiltration		0.5				
2160 minute winter	61	1260	8.432	0.298	0.8	0.1005	0.0000 OK	S.006	S2	0.0	0.000	0.000	0.0000	
								Infiltration		0.6				
2160 minute winter	62	1080	8.145	0.008	0.4	0.0028	0.0000 OK	S.007	S3	0.4	0.040	0.000	6.8258	
2160 minute winter	63	1260	8.098	0.262	0.8	0.0891	0.0000 OK	S.008	S3_OUT	0.1	0.014	0.000	5.8882	
								Infiltration		0.6				
2160 minute winter	63_OUT	1260	8.098	0.333	0.4	0.1132	0.0000 OK	Infiltration		0.4				
2160 minute winter	64	1320	6.505	0.320	0.2	0.0512	0.0000 OK	S.000	S5	0.1	0.023	0.000	3.1150	
2160 minute winter	65	1320	6.505	0.380	0.3	0.0608	0.0000 OK	S.001	S6	0.1	0.005	0.000	4.2772	
								Infiltration		0.2				
2160 minute winter	66	1320	6.505	0.412	0.3	0.0651	0.0000 OK	S.002	S7	-0.1	0.001	0.000	2.4584	
								Infiltration		0.2				
2160 minute winter	67	1320	6.505	0.429	0.2	0.0665	0.0000 OK	S.003	S8	0.0	0.000	0.000	0.0000	
								Infiltration		0.1				
2160 minute winter	68	1260	6.108	0.032	0.2	0.0050	0.0000 OK	S.004	S9	0.2	0.009	0.000	4.3274	
2160 minute winter	69	1260	6.108	0.343	0.4	0.0549	0.0000 OK	S.005	S0	0.0	0.000	0.000	0.0000	
								Infiltration		0.3				
2160 minute winter	70	1320	5.924	0.169	0.2	0.0271	0.0000 OK	S.006	S1	0.2	0.014	0.000	1.3338	
2160 minute winter	71	1320	5.924	0.239	0.4	0.0383	0.0000 OK	S.007	S2	0.2	0.008	0.000	4.3497	
								Infiltration		0.1				
2160 minute winter	72	1320	5.924	0.239	0.4	0.0383	0.0000 OK	S.008	S3	0.0	0.000	0.000	0.0011	
								Infiltration		0.3				
2160 minute winter	73	1320	6.218	0.511	0.2	0.0818	0.0000 OK	S.009	S4	0.1	0.013	0.000	3.0943	
2160 minute winter	74	1320	6.218	0.511	0.3	0.0818	0.0000 OK	S.010	S5	0.2	0.019	0.000	3.5039	
								Infiltration		0.1				
2160 minute winter	75	1320	6.218	0.511	0.4	0.0818	0.0000 OK	S.011	S6	0.1	0.008	0.000	3.7080	
								Infiltration		0.1				
2160 minute winter	76	1320	6.218	0.581	0.3	0.0884	0.0000 OK	S.012	S6_OUT	0.1	0.001	0.000	3.6123	
								Infiltration		0.1				
2160 minute winter	76_OUT	1320	6.218	0.581	0.2	0.0930	0.0000 OK	Infiltration		0.1				

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Results for 1000 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 88.47%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	1	1500	9.652	0.352	0.3	0.0000	0.0000	FLOOD RISK	1.000	2	-0.3	-0.017	-0.016	0.4853	
2880 minute summer	2	1500	9.651	0.401	1.0	0.0000	0.0000	FLOOD RISK	1.001	3	-1.0	-0.034	-0.051	1.1264	
2880 minute summer	3	1500	9.651	0.501	1.3	0.0000	0.0000	FLOOD RISK	1.002	4	-1.3	-0.041	-0.061	0.4986	
2880 minute summer	4	1500	9.651	0.551	1.4	0.0000	0.0000	FLOOD RISK	1.003	5	-1.4	-0.045	-0.061	0.8441	
2880 minute summer	5	1500	9.651	0.651	1.8	0.0000	0.0000	FLOOD RISK	1.004	6	-1.8	-0.050	-0.041	0.1621	
2880 minute summer	6	1500	9.651	0.751	6.8	6.1942	0.0000	FLOOD RISK	1.005	7	6.8	0.417	0.182	0.7796	
2880 minute summer	7	1500	9.649	0.898	13.9	3.8626	0.0000	FLOOD RISK	1.006	8	13.8	0.416	0.198	2.4923	
2880 minute summer	8	1500	9.644	1.094	24.1	7.5126	0.0000	FLOOD RISK	1.007	9	24.1	0.413	0.223	5.9230	
2880 minute summer	9	1500	9.640	1.290	40.9	12.5394	0.0000	FLOOD RISK	1.008	10	40.9	0.393	0.173	3.1360	
2880 minute summer	10	1500	9.638	1.338	44.1	2.3724	0.0000	FLOOD RISK	1.009	11	44.1	0.374	0.298	47.8613	
2880 minute summer	11	1500	9.612	1.612	44.1	0.0000	0.0000	FLOOD RISK	1.010	12	44.1	0.225	0.153	53.3278	
2880 minute summer	12	300	7.750	1.000	44.1	0.0000	0.0000	FLOOD RISK	1.011	13	44.1	0.350	0.225	0.2594	
2880 minute summer	13	1500	9.564	0.664	44.1	0.0000	0.0000	OK	1.012	13_OUT	44.1	3.048	0.036	0.0867	
2880 minute summer	13_OUT	2940	8.054	0.521	44.1	0.0000	0.0000	OK	Flow through pond	49	105.2	0.006	0.000	4814.8115	
2880 minute summer	14	1500	9.618	0.318	0.6	0.0000	0.0000	FLOOD RISK	2.000	15	-0.6	-0.023	-0.020	0.8138	
2880 minute summer	15	1500	9.618	0.532	5.7	4.2155	0.0000	FLOOD RISK	2.001	16	5.7	0.377	0.138	0.9254	
2880 minute summer	16	1500	9.616	0.625	5.7	0.0000	0.0000	FLOOD RISK	2.002	17	5.7	0.370	0.136	0.6320	
2880 minute summer	17	1500	9.615	0.756	10.2	2.3446	0.0000	FLOOD RISK	2.003	18	10.2	0.385	0.130	1.8750	
2880 minute summer	18	1500	9.613	0.932	18.6	5.8631	0.0000	FLOOD RISK	2.004	19	18.6	0.410	0.148	5.4890	
2880 minute summer	19	1500	9.610	1.154	33.0	10.4087	0.0000	FLOOD RISK	2.005	20	33.0	0.399	0.187	4.0628	
2880 minute summer	20	1500	9.609	1.198	33.0	0.0000	0.0000	FLOOD RISK	2.006	21	33.0	0.558	0.187	3.4979	
2880 minute summer	21	1500	9.608	1.236	33.0	0.0000	0.0000	FLOOD RISK	2.007	22	33.0	0.570	0.055	3.7404	
2880 minute summer	22	1500	9.607	1.607	42.3	6.9796	0.0000	FLOOD RISK	2.008	23	42.3	0.216	0.147	53.3017	
2880 minute summer	23	300	7.750	1.000	42.3	0.0000	0.0000	FLOOD RISK	2.009	24	42.3	0.337	0.215	0.2581	
2880 minute summer	24	1500	9.563	0.663	42.3	0.0000	0.0000	OK	2.010	24_OUT	42.3	3.009	0.034	0.0841	
2880 minute summer	24_OUT	2940	8.054	0.521	42.3	0.0000	0.0000	OK	Flow through pond	49	105.2	0.006	0.000	4814.8115	
2880 minute summer	25	1500	8.818	0.022	0.8	0.0138	0.0000	OK	3.000	26	0.8	0.402	0.045	0.0710	
2880 minute summer	26	1500	8.465	0.630	1.6	0.0586	0.0000	OK	3.001	27	1.4	0.541	0.086	0.1008	
									Infiltration		0.2				
2880 minute summer	27	1500	8.146	0.631	2.2	0.0735	0.0000	OK	3.002	28	1.9	0.686	0.092	0.0882	
									Infiltration		0.3				
2880 minute summer	28	1500	7.728	0.633	2.7	0.0587	0.0000	OK	3.003	29	2.5	0.819	0.104	0.1074	
									Infiltration		0.2				
2880 minute summer	29	1500	7.100	0.035	3.3	0.0551	0.0000	OK	3.004	30	3.1	1.008	0.111	0.0208	
									Infiltration		0.2				
2880 minute summer	30	1500	6.852	0.027	3.2	0.0032	0.0000	OK	3.005	31	3.2	0.128	0.001	0.7352	
2880 minute summer	31	1500	6.797	0.102	3.3	0.0122	0.0000	OK	3.006	32	2.5	0.052	0.001	1.1128	
									Infiltration		0.8				
2880 minute summer	32	1500	6.796	0.151	2.6	0.0182	0.0000	OK	3.007	33	0.9	0.018	0.001	0.7640	

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									Infiltration		0.8				
									Infiltration		0.8				
2880 minute summer	33	1500	6.796	0.021	1.0	0.0026	0.0000	OK	3.008	34	1.0	0.113	0.001	0.1156	
2880 minute summer	34	1440	6.758	0.013	1.1	0.0016	0.0000	OK	3.009	35	0.8	0.141	0.000	0.1420	
									Infiltration		0.2				
2880 minute summer	35	1500	6.716	0.041	1.0	0.0050	0.0000	OK	3.010	36	0.9	0.016	0.000	1.1078	
									Infiltration		0.3				
2880 minute summer	36	1500	6.716	0.211	1.0	0.0241	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.8				
2880 minute summer	37	1200	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.006	0.000	0.5365	
2880 minute summer	38	1440	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.030	0.000	0.3805	
									Infiltration		0.3				
									Infiltration		0.4				
2880 minute summer	39	1200	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461	
									Infiltration		0.0				
2880 minute summer	40	1200	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0388	
									Infiltration		0.0				
2880 minute summer	41	1200	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324	
									Infiltration		0.0				
2880 minute summer	42	1200	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.084	0.000	0.0319	
									Infiltration		0.0				
2880 minute summer	43	1200	7.156	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251	
									Infiltration		0.0				
2880 minute summer	44	1200	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202	
2880 minute summer	45	1200	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0286	
									Infiltration		0.0				
2880 minute summer	46	1200	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357	
									Infiltration		0.0				
2880 minute summer	47	1200	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.058	0.000	0.1930	
									Infiltration		0.0				
2880 minute summer	48	1800	6.840	0.045	0.4	0.0054	0.0000	OK	3.023	50	0.4	0.065	0.001	0.3762	
									Infiltration		0.0				
2880 minute summer	49	2940	8.049	0.049	108.1	0.6997	0.0000	OK	Orifice	50	0.8				
									Infiltration		0.8				
2880 minute summer	50	2940	7.417	0.017	0.6	0.0000	0.0000	OK	4.001	51	0.6	0.579	0.027	0.0069	
2880 minute summer	51	2940	7.315	0.015	0.6	0.0000	0.0000	OK	4.002	52	0.6	0.626	0.020	0.0036	
2880 minute summer	52	3060	7.216	0.016	0.6	0.0000	0.0000	OK	4.003	53	0.6	0.603	0.023	0.0023	
2880 minute summer	53	1800	6.840	0.055	0.6	0.0065	0.0000	OK	3.024	54	0.6	0.112	0.000	1.2883	
									Infiltration		0.1				
2880 minute summer	54	1800	6.840	0.215	0.8	0.0257	0.0000	OK	3.025	54_OUT	0.5	0.013	0.000	3.2329	
									Infiltration		0.2				
2880 minute summer	54_OUT	1800	6.840	0.335	0.6	0.0401	0.0000	OK	Infiltration		0.3				
2880 minute summer	55	1500	8.470	0.024	0.4	0.0080	0.0000	OK	5.000	56	0.4	0.224	0.054	0.0300	
2880 minute summer	56	1500	8.440	0.024	0.8	0.0531	0.0000	OK	5.001	57	0.7	0.262	0.056	0.1220	

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								Infiltration		0.1				
2880 minute summer	57	1620	8.394	0.084	1.1	0.2123	0.0000OK	5.002	58	1.6	0.258	0.126	0.4296	
								Infiltration		0.2				
2880 minute summer	58	1620	8.393	0.148	1.4	1.0000	0.0000OK	5.003	59	0.8	0.251	0.117	0.3903	
								Infiltration		0.4				
2880 minute summer	59	1620	8.393	0.188	1.3	1.0662	0.0000OK	5.004	60	0.7	0.041	0.001	4.7874	
								Infiltration		0.3				
2880 minute summer	60	1620	8.393	0.208	1.1	0.0708	0.0000OK	5.005	61	0.4	0.026	0.000	7.7780	
								Infiltration		0.4				
2880 minute summer	61	1620	8.393	0.257	0.8	0.0875	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000	
								Infiltration		0.6				
2880 minute summer	62	1500	8.145	0.008	0.4	0.0028	0.0000OK	5.007	63	0.4	0.040	0.000	5.5328	
2880 minute summer	63	1620	8.064	0.228	0.8	0.0776	0.0000OK	5.008	63_OUT	0.1	0.014	0.000	5.0002	
								Infiltration		0.5				
2880 minute summer	63_OUT	1620	8.064	0.299	0.4	0.1017	0.0000OK	Infiltration		0.3				
2880 minute summer	64	1620	6.444	0.259	0.2	0.0415	0.0000OK	6.000	65	0.1	0.023	0.000	2.3913	
2880 minute summer	65	1620	6.444	0.319	0.3	0.0511	0.0000OK	6.001	66	0.1	0.005	0.000	3.3736	
								Infiltration		0.2				
2880 minute summer	66	1620	6.444	0.351	0.3	0.0555	0.0000OK	6.002	67	0.1	0.001	0.000	1.9631	
								Infiltration		0.2				
2880 minute summer	67	1620	6.444	0.388	0.2	0.0571	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000	
								Infiltration		0.1				
2880 minute summer	68	1560	6.083	0.007	0.2	0.0011	0.0000OK	6.004	69	0.2	0.009	0.000	3.7299	
2880 minute summer	69	1560	6.083	0.318	0.4	0.0509	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000	
								Infiltration		0.3				
2880 minute summer	70	1620	5.867	0.132	0.2	0.0212	0.0000OK	6.006	71	0.2	0.014	0.000	1.6388	
2880 minute summer	71	1620	5.867	0.202	0.4	0.0324	0.0000OK	6.007	72	0.2	0.006	0.000	3.4968	
								Infiltration		0.1				
2880 minute summer	72	1620	5.867	0.202	0.4	0.0324	0.0000OK	6.008	73	0.0	0.000	0.000	0.0000	
								Infiltration		0.3				
2880 minute summer	73	1620	6.132	0.427	0.2	0.0682	0.0000OK	6.009	74	0.1	0.013	0.000	2.3645	
2880 minute summer	74	1620	6.132	0.427	0.3	0.0682	0.0000OK	6.010	75	0.1	0.018	0.000	2.6775	
								Infiltration		0.1				
2880 minute summer	75	1620	6.132	0.427	0.3	0.0682	0.0000OK	6.011	76	0.1	0.006	0.000	2.8802	
								Infiltration		0.1				
2880 minute summer	76	1620	6.132	0.497	0.3	0.0755	0.0000OK	6.012	76_OUT	0.1	0.001	0.000	3.6007	
								Infiltration		0.1				
2880 minute summer	76_OUT	1620	6.132	0.497	0.2	0.0794	0.0000OK	Infiltration		0.1				

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Results for 1000 year 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 98.81%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	1	1500	9.606	0.306	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	0.091	0.002	0.4653	
2880 minute winter	2	1500	9.606	0.356	0.1	0.0000	0.0000	FLOOD RISK	1.001	3	-0.1	-0.004	-0.007	1.1264	
2880 minute winter	3	1440	9.606	0.456	0.2	0.0000	0.0000	FLOOD RISK	1.002	4	-0.2	-0.006	-0.009	0.4986	
2880 minute winter	4	1440	9.606	0.506	0.2	0.0000	0.0000	FLOOD RISK	1.003	5	-0.2	-0.007	-0.010	0.8441	
2880 minute winter	5	1440	9.606	0.606	0.3	0.0000	0.0000	FLOOD RISK	1.004	6	-0.3	-0.009	-0.007	0.1621	
2880 minute winter	6	1500	9.606	0.706	6.7	5.8216	0.0000	FLOOD RISK	1.005	7	6.7	0.429	0.138	0.7796	
2880 minute winter	7	1500	9.605	0.855	10.5	3.4831	0.0000	FLOOD RISK	1.006	8	10.5	0.426	0.149	2.4923	
2880 minute winter	8	1500	9.602	1.052	16.2	7.2228	0.0000	FLOOD RISK	1.007	9	16.2	0.438	0.168	5.9230	
2880 minute winter	9	1500	9.599	1.249	30.8	12.1493	0.0000	FLOOD RISK	1.008	10	30.8	0.422	0.130	3.1360	
2880 minute winter	10	1500	9.599	1.299	33.2	2.3024	0.0000	FLOOD RISK	1.009	11	33.2	0.409	0.225	47.8613	
2880 minute winter	11	1500	9.584	1.584	33.2	0.0000	0.0000	FLOOD RISK	1.010	12	33.2	0.183	0.115	53.3278	
2880 minute winter	12	300	7.750	1.000	33.2	0.0000	0.0000	FLOOD RISK	1.011	13	33.2	0.288	0.169	0.2561	
2880 minute winter	13	1500	9.556	0.056	33.2	0.0000	0.0000	OK	1.012	13_OUT	33.2	2.796	0.027	0.0711	
2880 minute winter	13_OUT	2880	8.120	0.587	33.2	0.0000	0.0000	OK	Flow through pond	49	68.0	0.005	0.000	5408.2495	
2880 minute winter	14	1440	9.587	0.287	0.5	0.0000	0.0000	FLOOD RISK	2.000	15	-0.5	-0.017	-0.018	0.8136	
2880 minute winter	15	1500	9.587	0.501	5.1	3.9703	0.0000	FLOOD RISK	2.001	16	5.1	0.390	0.105	0.9254	
2880 minute winter	16	1500	9.586	0.595	5.1	0.0000	0.0000	FLOOD RISK	2.002	17	5.1	0.395	0.104	0.6320	
2880 minute winter	17	1500	9.585	0.726	7.7	2.2528	0.0000	FLOOD RISK	2.003	18	7.7	0.406	0.099	1.8750	
2880 minute winter	18	1500	9.584	0.993	14.0	5.6813	0.0000	FLOOD RISK	2.004	19	14.0	0.431	0.111	5.4890	
2880 minute winter	19	1500	9.583	1.127	24.9	10.1589	0.0000	FLOOD RISK	2.005	20	24.9	0.430	0.128	4.0628	
2880 minute winter	20	1500	9.582	1.171	24.9	0.0000	0.0000	FLOOD RISK	2.006	21	24.9	0.602	0.128	3.4979	
2880 minute winter	21	1500	9.581	1.209	24.9	0.0000	0.0000	FLOOD RISK	2.007	22	24.9	0.625	0.042	3.7404	
2880 minute winter	22	1500	9.581	1.581	31.9	6.8658	0.0000	FLOOD RISK	2.008	23	31.9	0.183	0.111	53.3017	
2880 minute winter	23	300	7.750	1.000	31.9	0.0000	0.0000	FLOOD RISK	2.009	24	31.9	0.258	0.162	0.2559	
2880 minute winter	24	1500	9.555	0.055	31.9	0.0000	0.0000	OK	2.010	24_OUT	31.9	2.784	0.026	0.0691	
2880 minute winter	24_OUT	2880	8.120	0.587	31.9	0.0000	0.0000	OK	Flow through pond	49	68.0	0.005	0.000	5408.2495	
2880 minute winter	25	1440	8.815	0.019	0.6	0.0120	0.0000	OK	3.000	26	0.6	0.372	0.033	0.0575	
2880 minute winter	26	1440	8.460	0.025	1.2	0.0457	0.0000	OK	3.001	27	1.0	0.495	0.063	0.0804	
									Infiltration		0.2				
2880 minute winter	27	1440	8.141	0.026	1.6	0.0560	0.0000	OK	3.002	28	1.3	0.623	0.068	0.0700	
									Infiltration		0.3				
2880 minute winter	28	1440	7.723	0.028	1.9	0.0452	0.0000	OK	3.003	29	1.6	0.747	0.075	0.0846	
									Infiltration		0.2				
2880 minute winter	29	1440	7.095	0.030	2.4	0.0423	0.0000	OK	3.004	30	2.2	0.921	0.080	0.0164	
									Infiltration		0.1				
2880 minute winter	30	1440	6.847	0.022	2.3	0.0026	0.0000	OK	3.005	31	2.3	0.138	0.001	0.6330	
2880 minute winter	31	1500	6.785	0.090	2.4	0.0106	0.0000	OK	3.006	32	1.7	0.052	0.001	0.9950	
									Infiltration		0.7				

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2880 minute winter	32	1500	6.785	0.140	1.8	0.0168	0.0000	OK	3.007	33	0.2	0.004	0.000	0.6599
									Infiltration		0.8			
									Infiltration		0.9			
2880 minute winter	33	1560	6.785	0.010	0.3	0.0012	0.0000	OK	3.008	34	0.3	0.068	0.000	0.0570
2880 minute winter	34	1560	6.752	0.007	0.4	0.0008	0.0000	OK	3.009	35	0.3	0.096	0.000	0.0320
									Infiltration		0.1			
2880 minute winter	35	1560	6.681	0.006	0.4	0.0007	0.0000	OK	3.010	36	0.4	0.012	0.000	0.4757
									Infiltration		0.0			
2880 minute winter	36	1560	6.621	0.116	0.5	0.0132	0.0000	OK	3.011	37	0.5	0.000	0.000	0.0000
									Infiltration		0.5			
2880 minute winter	37	1060	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.006	0.000	0.5365
2880 minute winter	38	1320	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.030	0.000	0.3865
									Infiltration		0.3			
									Infiltration		0.4			
2880 minute winter	39	1080	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461
									Infiltration		0.0			
2880 minute winter	40	1080	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0385
									Infiltration		0.0			
2880 minute winter	41	1080	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324
									Infiltration		0.0			
2880 minute winter	42	1080	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.064	0.000	0.0319
									Infiltration		0.0			
2880 minute winter	43	1080	7.150	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251
									Infiltration		0.0			
2880 minute winter	44	1080	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202
2880 minute winter	45	1080	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0288
									Infiltration		0.0			
2880 minute winter	46	1080	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357
									Infiltration		0.0			
2880 minute winter	47	1080	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.058	0.000	0.6613
									Infiltration		0.0			
2880 minute winter	48	3120	6.939	0.144	0.4	0.0173	0.0000	OK	3.023	53	0.4	0.055	0.001	1.3333
									Infiltration		0.1			
2880 minute winter	49	2880	8.112	0.112	76.3	1.5868	0.0000	OK	Orifice	50	1.1			
									Infiltration		0.0			
2880 minute winter	50	2880	7.423	0.023	1.1	0.0000	0.0000	OK	4.001	51	1.1	0.693	0.049	0.0104
2880 minute winter	51	2880	7.320	0.020	1.1	0.0000	0.0000	OK	4.002	52	1.1	0.750	0.037	0.0054
2880 minute winter	52	2940	7.221	0.021	1.1	0.0000	0.0000	OK	4.003	53	1.1	0.722	0.041	0.0035
2880 minute winter	53	3120	6.939	0.154	1.1	0.0185	0.0000	OK	3.024	54	0.7	0.112	0.000	2.6055
									Infiltration		0.2			
2880 minute winter	54	3120	6.939	0.314	0.7	0.0377	0.0000	OK	3.025	54_OUT	0.5	0.013	0.000	4.9471
									Infiltration		0.3			
2880 minute winter	54_OUT	3120	6.939	0.434	0.6	0.0521	0.0000	OK	Infiltration		0.4			

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2880 minute winter	55	1320	8.466	0.020	0.3	0.0070	0.0000	OK	5.000	56	0.3	0.207	0.041	0.0243
2880 minute winter	56	1320	8.437	0.021	0.6	0.0406	0.0000	OK	5.001	57	0.5	0.259	0.041	0.1019
									Infiltration		0.1			
2880 minute winter	57	1680	8.381	0.071	0.8	0.1571	0.0000	OK	5.002	58	0.7	0.238	0.093	0.3872
									Infiltration		0.2			
2880 minute winter	58	1680	8.381	0.136	1.0	0.8804	0.0000	OK	5.003	59	0.7	0.251	0.093	0.3811
									Infiltration		0.4			
2880 minute winter	59	1680	8.380	0.175	1.0	0.9798	0.0000	OK	5.004	60	0.5	0.041	0.001	4.4042
									Infiltration		0.3			
2880 minute winter	60	1680	8.380	0.195	0.8	0.0864	0.0000	OK	5.005	61	0.3	0.026	0.000	7.2217
									Infiltration		0.4			
2880 minute winter	61	1680	8.380	0.244	0.8	0.0831	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.8			
2880 minute winter	62	1380	8.143	0.007	0.3	0.0624	0.0000	OK	5.007	63	0.3	0.040	0.000	5.3535
2880 minute winter	63	1680	8.058	0.222	0.6	0.0756	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	4.8544
									Infiltration		0.5			
2880 minute winter	63_OUT	1680	8.058	0.293	0.4	0.0897	0.0000	OK	Infiltration		0.3			
2880 minute winter	64	2040	6.357	0.172	0.1	0.0275	0.0000	OK	6.000	65	0.1	0.024	0.000	1.4890
2880 minute winter	65	2040	6.357	0.232	0.2	0.0371	0.0000	OK	6.001	66	0.1	0.005	0.000	2.2361
									Infiltration		0.1			
2880 minute winter	66	2040	6.357	0.284	0.2	0.0417	0.0000	OK	6.002	67	0.0	0.002	0.000	1.3363
									Infiltration		0.2			
2880 minute winter	67	2040	6.357	0.281	0.1	0.0436	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
2880 minute winter	68	960	6.079	0.003	0.1	0.0004	0.0000	OK	6.004	69	0.1	0.009	0.000	2.1988
2880 minute winter	69	2040	5.980	0.215	0.2	0.0345	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
2880 minute winter	70	2040	5.794	0.039	0.1	0.0062	0.0000	OK	6.006	71	0.1	0.014	0.000	0.3998
2880 minute winter	71	2040	5.794	0.109	0.2	0.0174	0.0000	OK	6.007	72	0.1	0.006	0.000	1.6267
									Infiltration		0.1			
2880 minute winter	72	2040	5.794	0.109	0.2	0.0174	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
2880 minute winter	73	2040	6.058	0.353	0.1	0.0585	0.0000	OK	6.009	74	0.1	0.013	0.000	1.8020
2880 minute winter	74	2040	6.058	0.353	0.2	0.0585	0.0000	OK	6.010	75	0.1	0.019	0.000	2.0495
									Infiltration		0.1			
2880 minute winter	75	2040	6.058	0.353	0.2	0.0565	0.0000	OK	6.011	76	0.1	0.005	0.000	2.2384
									Infiltration		0.1			
2880 minute winter	76	2040	6.058	0.423	0.2	0.0643	0.0000	OK	6.012	76_OUT	0.1	0.002	0.000	2.3881
									Infiltration		0.1			
2880 minute winter	76_OUT	2040	6.058	0.423	0.2	0.0677	0.0000	OK	Infiltration		0.1			

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Results for 1000 year 4320 minute summer. 4560 minute analysis at 60 minute timestep. Mass balance: 88.56%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	1	2220	9.604	0.304	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.004	-0.005	0.4853	
4320 minute summer	2	2220	9.604	0.354	0.2	0.0000	0.0000	FLOOD RISK	1.001	3	-0.2	-0.007	-0.011	1.1264	
4320 minute summer	3	2220	9.603	0.453	0.4	0.0000	0.0000	FLOOD RISK	1.002	4	-0.4	-0.064	-0.021	0.4986	
4320 minute summer	4	2220	9.604	0.504	0.8	0.0000	0.0000	FLOOD RISK	1.003	5	-0.8	-0.043	-0.037	0.8441	
4320 minute summer	5	2220	9.603	0.603	1.1	0.0000	0.0000	FLOOD RISK	1.004	6	-1.1	-0.037	-0.031	0.1621	
4320 minute summer	6	2220	9.604	0.704	6.5	5.7998	0.0000	FLOOD RISK	1.005	7	6.5	0.378	0.134	0.7796	
4320 minute summer	7	2220	9.602	0.852	10.3	3.4728	0.0000	FLOOD RISK	1.006	8	10.3	0.373	0.146	2.4923	
4320 minute summer	8	2220	9.600	1.050	17.8	7.2060	0.0000	FLOOD RISK	1.007	9	17.8	0.374	0.165	5.9230	
4320 minute summer	9	2220	9.597	1.247	30.2	12.1270	0.0000	FLOOD RISK	1.008	10	30.2	0.357	0.127	3.1360	
4320 minute summer	10	2220	9.596	1.296	32.5	2.2984	0.0000	FLOOD RISK	1.009	11	32.5	0.332	0.220	47.8613	
4320 minute summer	11	2220	9.582	1.582	32.5	0.0000	0.0000	FLOOD RISK	1.010	12	32.5	0.186	0.113	53.3278	
4320 minute summer	12	360	7.750	1.000	32.5	0.0000	0.0000	FLOOD RISK	1.011	13	32.5	0.262	0.166	0.2559	
4320 minute summer	13	2220	9.555	0.655	32.5	0.0000	0.0000	OK	1.012	13_OUT	32.5	2.778	0.026	0.0701	
4320 minute summer	13_OUT	4360	8.093	0.560	32.5	0.0000	0.0000	OK	Flow through pond	49	80.3	0.004	0.000	5176.7539	
4320 minute summer	14	2220	9.585	0.285	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.007	-0.007	0.8136	
4320 minute summer	15	2220	9.585	0.499	5.0	3.9573	0.0000	FLOOD RISK	2.001	16	5.0	0.323	0.103	0.9254	
4320 minute summer	16	2220	9.584	0.593	5.0	0.0000	0.0000	FLOOD RISK	2.002	17	5.0	0.343	0.102	0.6320	
4320 minute summer	17	2220	9.583	0.724	7.6	2.2479	0.0000	FLOOD RISK	2.003	18	7.6	0.357	0.097	1.8750	
4320 minute summer	18	2220	9.583	0.902	13.8	5.6715	0.0000	FLOOD RISK	2.004	19	13.8	0.374	0.116	5.4890	
4320 minute summer	19	2220	9.581	1.125	24.4	10.1453	0.0000	FLOOD RISK	2.005	20	24.4	0.357	0.124	4.0628	
4320 minute summer	20	2220	9.580	1.169	24.4	0.0000	0.0000	FLOOD RISK	2.006	21	24.4	0.498	0.123	3.4979	
4320 minute summer	21	2220	9.580	1.268	24.4	0.0000	0.0000	FLOOD RISK	2.007	22	24.4	0.513	0.041	3.7404	
4320 minute summer	22	2220	9.578	1.579	31.3	6.8597	0.0000	FLOOD RISK	2.008	23	31.3	0.150	0.109	53.3017	
4320 minute summer	23	360	7.750	1.000	31.3	0.0000	0.0000	FLOOD RISK	2.009	24	31.3	0.253	0.158	0.2558	
4320 minute summer	24	2220	9.554	0.654	31.3	0.0000	0.0000	OK	2.010	24_OUT	31.3	2.747	0.025	0.0682	
4320 minute summer	24_OUT	4360	8.093	0.560	31.3	0.0000	0.0000	OK	Flow through pond	49	80.3	0.004	0.000	5176.7539	
4320 minute summer	25	2220	8.815	0.619	0.8	0.0120	0.0000	OK	3.000	26	0.8	0.372	0.033	0.0575	
4320 minute summer	26	2220	8.466	0.625	1.3	0.0457	0.0000	OK	3.001	27	1.0	0.495	0.063	0.0804	
									Infiltration		0.2				
4320 minute summer	27	2220	8.141	0.626	1.6	0.0560	0.0000	OK	3.002	28	1.3	0.623	0.066	0.0700	
									Infiltration		0.3				
4320 minute summer	28	2220	7.723	0.628	1.9	0.0452	0.0000	OK	3.003	29	1.5	0.747	0.075	0.0848	
									Infiltration		0.2				
4320 minute summer	29	2220	7.095	0.630	2.4	0.0423	0.0000	OK	3.004	30	2.2	0.921	0.080	0.0164	
									Infiltration		0.1				
4320 minute summer	30	2220	6.847	0.022	2.3	0.0026	0.0000	OK	3.005	31	2.3	0.136	0.001	0.6330	
4320 minute summer	31	2220	6.785	0.090	2.4	0.0108	0.0000	OK	3.006	32	1.7	0.052	0.001	0.9950	
									Infiltration		0.7				
4320 minute summer	32	2220	6.785	0.140	1.8	0.0168	0.0000	OK	3.007	33	0.2	0.004	0.000	0.6599	

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									Infiltration		0.5				
									Infiltration		0.9				
4320 minute summer	33	2220	6.785	0.010	0.3	0.0012	0.0000	OK	3.008	34	0.3	0.058	0.000	0.0569	
4320 minute summer	34	2220	6.752	0.007	0.4	0.0008	0.0000	OK	3.009	35	0.3	0.096	0.000	0.0320	
									Infiltration		0.1				
4320 minute summer	35	2220	6.681	0.006	0.4	0.0007	0.0000	OK	3.010	36	0.4	0.012	0.000	0.4870	
									Infiltration		0.0				
4320 minute summer	36	2220	6.619	0.114	0.5	0.0130	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.5				
4320 minute summer	37	1920	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.006	0.000	0.5365	
4320 minute summer	38	2160	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.030	0.000	0.3805	
									Infiltration		0.3				
									Infiltration		0.4				
4320 minute summer	39	1920	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461	
									Infiltration		0.0				
4320 minute summer	40	1920	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0388	
									Infiltration		0.0				
4320 minute summer	41	1920	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324	
									Infiltration		0.0				
4320 minute summer	42	1920	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.084	0.000	0.0319	
									Infiltration		0.0				
4320 minute summer	43	1920	7.156	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251	
									Infiltration		0.0				
4320 minute summer	44	1920	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202	
4320 minute summer	45	1920	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0286	
									Infiltration		0.0				
4320 minute summer	46	1920	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0367	
									Infiltration		0.0				
4320 minute summer	47	1920	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.058	0.000	0.4253	
									Infiltration		0.0				
4320 minute summer	48	4560	6.895	0.100	0.4	0.0120	0.0000	OK	3.023	50	0.4	0.065	0.001	0.8709	
									Infiltration		0.1				
4320 minute summer	49	4380	8.088	0.688	96.9	1.2479	0.0000	OK	Orifice	50	0.9				
									Infiltration		0.8				
4320 minute summer	50	4380	7.421	0.021	0.9	0.0000	0.0000	OK	4.001	51	0.9	0.662	0.042	0.0094	
4320 minute summer	51	4380	7.318	0.018	0.9	0.0000	0.0000	OK	4.002	52	0.9	0.715	0.032	0.0049	
4320 minute summer	52	4380	7.219	0.018	0.9	0.0000	0.0000	OK	4.003	53	0.9	0.888	0.035	0.0032	
4320 minute summer	53	4560	6.895	0.110	0.9	0.0132	0.0000	OK	3.024	54	0.6	0.112	0.000	1.9268	
									Infiltration		0.2				
4320 minute summer	54	4560	6.895	0.270	0.6	0.0324	0.0000	OK	3.025	54_OUT	0.5	0.013	0.000	4.1440	
									Infiltration		0.2				
4320 minute summer	54_OUT	4560	6.895	0.390	0.6	0.0468	0.0000	OK	Infiltration		0.4				
4320 minute summer	55	2160	8.466	0.020	0.3	0.0070	0.0000	OK	5.000	56	0.3	0.207	0.041	0.0243	
4320 minute summer	56	2160	8.437	0.021	0.6	0.0406	0.0000	OK	5.001	57	0.5	0.259	0.041	0.0549	

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								Infiltration		0.1				
4320 minute summer	57	2280	8.350	0.040	0.8	0.0564	0.0000OK	5.002	58	0.7	0.238	0.093	0.2587	
								Infiltration		0.1				
4320 minute summer	58	2280	8.348	0.103	1.0	0.8165	0.0000OK	5.003	59	0.7	0.251	0.093	0.3357	
								Infiltration		0.4				
4320 minute summer	59	2280	8.348	0.143	1.0	0.7667	0.0000OK	5.004	60	0.5	0.041	0.001	3.4866	
								Infiltration		0.3				
4320 minute summer	60	2280	8.348	0.163	0.8	0.0555	0.0000OK	5.005	61	0.3	0.026	0.000	5.8898	
								Infiltration		0.4				
4320 minute summer	61	2280	8.348	0.212	0.8	0.0721	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000	
								Infiltration		0.5				
4320 minute summer	62	2220	8.143	0.007	0.3	0.0024	0.0000OK	5.007	63	0.3	0.040	0.000	4.4242	
4320 minute summer	63	2340	8.028	0.192	0.6	0.0653	0.0000OK	5.008	63_OUT	0.1	0.014	0.000	4.1150	
								Infiltration		0.4				
4320 minute summer	63_OUT	2340	8.028	0.283	0.4	0.0894	0.0000OK	Infiltration		0.3				
4320 minute summer	64	2640	6.344	0.159	0.1	0.0255	0.0000OK	6.000	65	0.1	0.024	0.000	1.3691	
4320 minute summer	65	2640	6.344	0.219	0.2	0.0351	0.0000OK	6.001	66	0.1	0.005	0.000	2.0835	
								Infiltration		0.1				
4320 minute summer	66	2640	6.344	0.251	0.2	0.0397	0.0000OK	6.002	67	0.0	0.002	0.000	1.2518	
								Infiltration		0.2				
4320 minute summer	67	2640	6.344	0.288	0.1	0.0416	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000	
								Infiltration		0.1				
4320 minute summer	68	1800	6.079	0.060	0.1	0.0004	0.0000OK	6.004	69	0.1	0.009	0.000	2.1807	
4320 minute summer	69	2640	5.979	0.214	0.2	0.0343	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000	
								Infiltration		0.2				
4320 minute summer	70	2640	5.791	0.036	0.1	0.0057	0.0000OK	6.006	71	0.1	0.014	0.000	0.3823	
4320 minute summer	71	2640	5.791	0.106	0.2	0.0169	0.0000OK	6.007	72	0.1	0.006	0.000	1.5745	
								Infiltration		0.1				
4320 minute summer	72	2640	5.791	0.106	0.2	0.0169	0.0000OK	6.008	73	0.0	0.000	0.000	0.0000	
								Infiltration		0.2				
4320 minute summer	73	2640	6.032	0.327	0.1	0.0524	0.0000OK	6.009	74	0.1	0.013	0.000	1.6215	
4320 minute summer	74	2640	6.032	0.327	0.2	0.0524	0.0000OK	6.010	75	0.1	0.018	0.000	1.8362	
								Infiltration		0.1				
4320 minute summer	75	2640	6.032	0.327	0.2	0.0524	0.0000OK	6.011	76	0.1	0.006	0.000	2.0315	
								Infiltration		0.1				
4320 minute summer	76	2640	6.032	0.397	0.2	0.0604	0.0000OK	6.012	76_OUT	0.1	0.001	0.000	2.1635	
								Infiltration		0.1				
4320 minute summer	76_OUT	2640	6.032	0.397	0.2	0.0638	0.0000OK	Infiltration		0.1				

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Results for 1000 year 4320 minute winter. 4560 minute analysis at 60 minute timestep. Mass balance: 88.78%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	1	2160	9.574	0.274	0.2	0.0000	0.0000	FLOOD RISK	1.000	2	-0.2	-0.012	-0.011	0.4653	
4320 minute winter	2	2220	9.574	0.324	0.7	0.0000	0.0000	FLOOD RISK	1.001	3	-0.7	-0.024	-0.037	1.1264	
4320 minute winter	3	2160	9.575	0.425	0.9	0.0000	0.0000	FLOOD RISK	1.002	4	-0.9	-0.030	-0.044	0.4986	
4320 minute winter	4	2220	9.575	0.475	1.0	0.0000	0.0000	FLOOD RISK	1.003	5	-1.0	-0.033	-0.044	0.8441	
4320 minute winter	5	2220	9.575	0.575	1.1	0.0000	0.0000	FLOOD RISK	1.004	6	-1.1	-0.057	-0.030	0.1621	
4320 minute winter	6	2160	9.574	0.674	4.8	5.5603	0.0000	FLOOD RISK	1.005	7	4.8	0.393	0.099	0.7796	
4320 minute winter	7	2160	9.574	0.824	7.6	3.3571	0.0000	FLOOD RISK	1.006	8	7.6	0.385	0.199	2.4923	
4320 minute winter	8	2220	9.572	1.022	13.2	7.0184	0.0000	FLOOD RISK	1.007	9	13.2	0.395	0.122	5.9236	
4320 minute winter	9	2220	9.571	1.221	22.3	11.6725	0.0000	FLOOD RISK	1.008	10	22.3	0.383	0.094	3.1360	
4320 minute winter	10	2220	9.570	1.270	24.0	2.2526	0.0000	FLOOD RISK	1.009	11	24.0	0.366	0.162	47.8613	
4320 minute winter	11	2220	9.563	1.563	24.0	0.0000	0.0000	FLOOD RISK	1.010	12	24.0	0.222	0.083	53.3278	
4320 minute winter	12	420	7.750	1.000	24.0	0.0000	0.0000	FLOOD RISK	1.011	13	24.0	0.197	0.122	8.2532	
4320 minute winter	13	2220	9.548	0.048	24.0	0.0000	0.0000	OK	1.012	13_OUT	24.0	2.535	0.019	0.0567	
4320 minute winter	13_OUT	4320	8.162	0.828	24.0	0.0000	0.0000	OK	Flow through pond	49	41.2	0.004	0.000	5809.5576	
4320 minute winter	14	2160	9.564	0.264	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.004	-0.004	0.8136	
4320 minute winter	15	2160	9.564	0.478	3.7	3.7906	0.0000	FLOOD RISK	2.001	16	3.7	0.343	0.078	0.9254	
4320 minute winter	16	2160	9.564	0.573	3.7	0.0000	0.0000	FLOOD RISK	2.002	17	3.7	0.357	0.075	0.6320	
4320 minute winter	17	2160	9.563	0.704	5.6	2.1850	0.0000	FLOOD RISK	2.003	18	5.6	0.367	0.072	1.8750	
4320 minute winter	18	2160	9.563	0.882	10.2	5.5465	0.0000	FLOOD RISK	2.004	19	10.2	0.394	0.081	5.4896	
4320 minute winter	19	2220	9.562	1.106	18.0	9.9723	0.0000	FLOOD RISK	2.005	20	18.0	0.384	0.091	4.0628	
4320 minute winter	20	2220	9.561	1.156	18.0	0.0000	0.0000	FLOOD RISK	2.006	21	18.0	0.536	0.091	3.4979	
4320 minute winter	21	2220	9.561	1.186	18.0	0.0000	0.0000	FLOOD RISK	2.007	22	18.0	0.555	0.030	3.7404	
4320 minute winter	22	2220	9.561	1.561	23.1	8.7801	0.0000	FLOOD RISK	2.008	23	23.1	0.145	0.080	53.3017	
4320 minute winter	23	420	7.750	1.000	23.1	0.0000	0.0000	FLOOD RISK	2.009	24	23.1	0.190	0.118	0.2531	
4320 minute winter	24	2220	9.547	0.047	23.1	0.0000	0.0000	OK	2.010	24_OUT	23.1	2.508	0.019	0.0552	
4320 minute winter	24_OUT	4260	8.162	0.828	23.1	0.0000	0.0000	OK	Flow through pond	49	41.2	0.004	0.000	5809.5576	
4320 minute winter	25	1980	8.812	0.518	0.4	0.0099	0.0000	OK	3.000	26	0.4	0.335	0.022	0.0425	
4320 minute winter	26	1980	8.456	0.021	0.8	0.0324	0.0000	OK	3.001	27	0.6	0.438	0.040	0.0581	
									Infiltration		0.2				
4320 minute winter	27	1980	8.136	0.021	1.0	0.0362	0.0000	OK	3.002	28	0.8	0.541	0.041	0.0506	
									Infiltration		0.2				
4320 minute winter	28	1980	7.717	0.022	1.2	0.0314	0.0000	OK	3.003	29	1.1	0.552	0.045	0.0600	
									Infiltration		0.1				
4320 minute winter	29	1980	7.088	0.023	1.5	0.0295	0.0000	OK	3.004	30	1.4	0.695	0.050	0.0116	
									Infiltration		0.1				
4320 minute winter	30	1980	6.542	0.017	1.5	0.0028	0.0000	OK	3.005	31	1.5	0.128	0.001	0.3901	
4320 minute winter	31	2340	6.751	0.056	1.6	0.0067	0.0000	OK	3.006	32	1.2	0.052	0.001	0.5641	
									Infiltration		0.4				
4320 minute winter	32	2220	6.751	0.106	1.4	0.0127	0.0000	OK	3.007	33	-0.1	-0.004	0.000	0.4548	

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									Infiltration		0.6				
									Infiltration		0.8				
4320 minute winter	33	1740	6.777	0.002	0.1	0.0003	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0184	
4320 minute winter	34	1740	6.748	0.003	0.1	0.0004	0.0000	OK	3.009	35	0.1	0.055	0.000	0.0171	
									Infiltration		0.0				
4320 minute winter	35	1740	6.679	0.004	0.2	0.0004	0.0000	OK	3.010	36	0.2	0.012	0.000	0.2791	
									Infiltration		0.0				
4320 minute winter	36	1980	6.578	0.073	0.3	0.0083	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.3				
4320 minute winter	37	1740	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.066	0.000	0.5365	
4320 minute winter	38	1980	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.030	0.000	0.3605	
									Infiltration		0.3				
									Infiltration		0.4				
4320 minute winter	39	1740	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461	
									Infiltration		0.0				
4320 minute winter	40	1740	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.118	0.000	0.0386	
									Infiltration		0.0				
4320 minute winter	41	1740	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324	
									Infiltration		0.0				
4320 minute winter	42	1740	7.069	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.064	0.000	0.0319	
									Infiltration		0.0				
4320 minute winter	43	1740	7.156	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251	
									Infiltration		0.0				
4320 minute winter	44	1740	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202	
4320 minute winter	45	1740	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0286	
									Infiltration		0.0				
4320 minute winter	46	1740	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.1703	
									Infiltration		0.0				
4320 minute winter	47	4560	7.010	0.045	0.3	0.0053	0.0000	OK	3.022	48	0.3	0.058	0.000	1.2624	
									Infiltration		0.0				
4320 minute winter	48	4560	7.010	0.215	0.4	0.0257	0.0000	OK	3.023	53	0.4	0.065	0.001	2.1718	
									Infiltration		0.2				
4320 minute winter	49	4320	8.155	0.155	54.2	2.2026	0.0000	SURCHARGED	Orifice	50	1.3				
									Infiltration		0.0				
4320 minute winter	50	4320	7.405	0.025	1.3	0.0000	0.0000	OK	4.001	51	1.3	0.734	0.060	0.0119	
4320 minute winter	51	4320	7.322	0.022	1.3	0.0000	0.0000	OK	4.002	52	1.3	0.794	0.045	0.0082	
4320 minute winter	52	4320	7.223	0.023	1.3	0.0000	0.0000	OK	4.003	53	1.3	0.764	0.050	0.0040	
4320 minute winter	53	4560	7.010	0.225	1.3	0.0269	0.0000	OK	3.024	54	0.8	0.112	0.000	3.5296	
									Infiltration		0.3				
4320 minute winter	54	4560	7.010	0.385	0.8	0.0461	0.0000	OK	3.025	54_OUT	0.5	0.013	0.000	6.3317	
									Infiltration		0.3				
4320 minute winter	54_OUT	4560	7.010	0.505	0.6	0.0605	0.0000	OK	Infiltration		0.4				
4320 minute winter	55	1800	8.463	0.017	0.2	0.0058	0.0000	OK	5.000	56	0.2	0.184	0.027	0.0182	
4320 minute winter	56	1800	8.433	0.017	0.4	0.0280	0.0000	OK	5.001	57	0.3	0.228	0.027	0.0312	

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								Infiltration		0.1					
4320 minute winter	57	1800	8.335	0.025	0.5	0.0256	0.0000 OK	5.002	58	0.5	0.238	0.059	0.0991		
								Infiltration		0.1					
4320 minute winter	58	2640	8.290	0.045	0.7	0.1488	0.0000 OK	5.003	59	0.5	0.251	0.071	0.1638		
								Infiltration		0.3					
4320 minute winter	59	2640	8.290	0.085	0.7	0.4109	0.0000 OK	5.004	60	0.5	0.041	0.001	1.9574		
								Infiltration		0.3					
4320 minute winter	60	2640	8.290	0.105	0.7	0.0356	0.0000 OK	5.005	61	0.3	0.026	0.000	3.7262		
								Infiltration		0.3					
4320 minute winter	61	2640	8.290	0.154	0.5	0.0523	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
4320 minute winter	62	1860	8.142	0.006	0.2	0.0018	0.0000 OK	5.007	63	0.2	0.040	0.000	3.2863		
4320 minute winter	63	2640	7.986	0.150	0.4	0.0509	0.0000 OK	5.008	63_OUT	0.1	0.014	0.000	3.1664		
								Infiltration		0.3					
4320 minute winter	63_OUT	2640	7.986	0.221	0.3	0.0751	0.0000 OK	Infiltration		0.3					
4320 minute winter	64	2880	6.365	0.180	0.1	0.0269	0.0000 OK	6.000	65	0.1	0.024	0.000	1.5689		
4320 minute winter	65	2880	6.365	0.240	0.2	0.0365	0.0000 OK	6.001	66	0.1	0.005	0.000	2.3375		
								Infiltration		0.1					
4320 minute winter	66	2880	6.365	0.272	0.2	0.0430	0.0000 OK	6.002	67	0.0	0.001	0.000	1.3923		
								Infiltration		0.2					
4320 minute winter	67	2880	6.365	0.289	0.1	0.0449	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
4320 minute winter	68	1560	6.079	0.003	0.1	0.0004	0.0000 OK	6.004	69	0.1	0.009	0.000	2.2032		
4320 minute winter	69	2880	5.981	0.216	0.2	0.0345	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
4320 minute winter	70	2880	5.795	0.040	0.1	0.0065	0.0000 OK	6.006	71	0.1	0.014	0.000	0.4097		
4320 minute winter	71	2880	5.795	0.116	0.2	0.0177	0.0000 OK	6.007	72	0.1	0.006	0.000	1.6559		
								Infiltration		0.1					
4320 minute winter	72	2880	5.795	0.110	0.2	0.0177	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
4320 minute winter	73	2880	6.078	0.371	0.1	0.0594	0.0000 OK	6.009	74	0.1	0.013	0.000	1.9347		
4320 minute winter	74	2880	6.075	0.371	0.2	0.0594	0.0000 OK	6.010	75	0.1	0.019	0.000	2.1908		
								Infiltration		0.1					
4320 minute winter	75	2880	6.078	0.371	0.2	0.0594	0.0000 OK	6.011	76	0.1	0.008	0.000	2.3901		
								Infiltration		0.1					
4320 minute winter	76	2880	6.076	0.441	0.2	0.0671	0.0000 OK	6.012	76_OUT	0.1	0.001	0.000	2.5180		
								Infiltration		0.1					
4320 minute winter	76_OUT	2880	6.076	0.441	0.2	0.0706	0.0000 OK	Infiltration		0.1					

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Results for 1000 year 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 88.62%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	1	2940	9.583	0.283	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.005	-0.007	0.4853	
5760 minute summer	2	2940	9.583	0.333	0.2	0.0000	0.0000	FLOOD RISK	1.001	3	-0.2	-0.008	-0.012	1.1264	
5760 minute summer	3	2940	9.582	0.432	0.4	0.0000	0.0000	FLOOD RISK	1.002	4	-0.4	-0.026	-0.018	0.4986	
5760 minute summer	4	2940	9.582	0.482	0.7	0.0000	0.0000	FLOOD RISK	1.003	5	-0.7	-0.026	-0.031	0.8441	
5760 minute summer	5	2880	9.582	0.582	0.9	0.0000	0.0000	FLOOD RISK	1.004	6	-0.9	-0.027	-0.023	0.1621	
5760 minute summer	6	2880	9.582	0.682	5.3	5.6282	0.0000	FLOOD RISK	1.005	7	5.3	0.355	0.109	0.7796	
5760 minute summer	7	2940	9.581	0.831	8.4	3.3891	0.0000	FLOOD RISK	1.006	8	8.4	0.347	0.120	2.4923	
5760 minute summer	8	2940	9.580	1.030	14.5	7.0698	0.0000	FLOOD RISK	1.007	9	14.5	0.348	0.134	5.9230	
5760 minute summer	9	2940	9.578	1.228	24.6	11.9431	0.0000	FLOOD RISK	1.008	10	24.6	0.327	0.104	3.1360	
5760 minute summer	10	2940	9.578	1.278	26.5	2.2853	0.0000	FLOOD RISK	1.009	11	26.5	0.310	0.179	47.8613	
5760 minute summer	11	2940	9.568	1.568	26.5	0.0000	0.0000	FLOOD RISK	1.010	12	26.5	0.136	0.092	53.3278	
5760 minute summer	12	420	7.750	1.000	26.5	0.0000	0.0000	FLOOD RISK	1.011	13	26.5	0.216	0.135	0.2540	
5760 minute summer	13	2940	9.550	0.050	26.5	0.0000	0.0000	OK	1.012	13_OUT	26.5	2.611	0.021	0.0808	
5760 minute summer	13_OUT	5820	8.126	0.592	26.5	0.0000	0.0000	OK	Flow through pond	49	31.3	0.003	0.000	5481.4844	
5760 minute summer	14	2940	9.569	0.269	0.3	0.0000	0.0000	FLOOD RISK	2.000	15	-0.3	-0.011	-0.009	0.8138	
5760 minute summer	15	2880	9.569	0.483	4.0	3.8322	0.0000	FLOOD RISK	2.001	16	4.0	0.302	0.083	0.9254	
5760 minute summer	16	2880	9.569	0.578	4.0	0.0000	0.0000	FLOOD RISK	2.002	17	4.0	0.322	0.081	0.6320	
5760 minute summer	17	2880	9.568	0.708	6.1	2.2010	0.0000	FLOOD RISK	2.003	18	6.1	0.325	0.078	1.8750	
5760 minute summer	18	2940	9.568	0.887	11.1	5.5783	0.0000	FLOOD RISK	2.004	19	11.1	0.346	0.088	5.4890	
5760 minute summer	19	2940	9.567	1.111	19.7	10.0186	0.0000	FLOOD RISK	2.005	20	19.7	0.327	0.100	4.0628	
5760 minute summer	20	2940	9.566	1.155	19.7	0.0000	0.0000	FLOOD RISK	2.006	21	19.7	0.452	0.100	3.4979	
5760 minute summer	21	2940	9.566	1.194	19.7	0.0000	0.0000	FLOOD RISK	2.007	22	19.7	0.481	0.033	3.7404	
5760 minute summer	22	2880	9.565	1.585	25.3	6.8005	0.0000	FLOOD RISK	2.008	23	25.3	0.128	0.088	53.3017	
5760 minute summer	23	420	7.750	1.000	25.3	0.0000	0.0000	FLOOD RISK	2.009	24	25.3	0.207	0.129	0.2538	
5760 minute summer	24	2940	9.549	0.049	25.3	0.0000	0.0000	OK	2.010	24_OUT	25.3	2.578	0.020	0.0588	
5760 minute summer	24_OUT	5820	8.126	0.592	25.3	0.0000	0.0000	OK	Flow through pond	49	31.3	0.003	0.000	5481.4844	
5760 minute summer	25	2940	8.813	0.017	0.5	0.0110	0.0000	OK	3.000	26	0.5	0.355	0.028	0.0502	
5760 minute summer	26	2940	8.458	0.023	1.0	0.0091	0.0000	OK	3.001	27	0.8	0.469	0.051	0.0695	
									Infiltration		0.2				
5760 minute summer	27	2940	8.139	0.024	1.3	0.0471	0.0000	OK	3.002	28	1.1	0.585	0.053	0.0802	
									Infiltration		0.2				
5760 minute summer	28	2940	7.720	0.025	1.6	0.0384	0.0000	OK	3.003	29	1.4	0.703	0.060	0.0726	
									Infiltration		0.2				
5760 minute summer	29	2940	7.092	0.027	1.8	0.0360	0.0000	OK	3.004	30	1.8	0.857	0.065	0.0141	
									Infiltration		0.1				
5760 minute summer	30	2940	6.844	0.019	1.9	0.0023	0.0000	OK	3.005	31	1.9	0.136	0.001	0.5445	
5760 minute summer	31	2940	6.774	0.079	2.0	0.0094	0.0000	OK	3.006	32	1.4	0.052	0.001	0.8799	
									Infiltration		0.6				
5760 minute summer	32	2940	6.774	0.129	1.6	0.0154	0.0000	OK	3.007	33	-0.1	-0.003	0.000	0.5709	

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								Infiltration		0.7					
								Infiltration		0.8					
5760 minute summer	33	2640	6.777	0.002	0.1	0.0003	0.0000 OK	3.008	34	0.0	0.000	0.000	0.0184		
5760 minute summer	34	2640	6.748	0.003	0.1	0.0004	0.0000 OK	3.009	35	0.1	0.055	0.000	0.0171		
								Infiltration		0.0					
5760 minute summer	35	2640	6.679	0.004	0.2	0.0004	0.0000 OK	3.010	36	0.2	0.012	0.000	0.2791		
								Infiltration		0.0					
5760 minute summer	36	2880	6.578	0.073	0.3	0.0083	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
5760 minute summer	37	2640	6.508	0.003	0.1	0.0003	0.0000 OK	3.012	38	0.1	0.006	0.000	0.5365		
5760 minute summer	38	2880	6.347	0.082	0.7	0.0098	0.0000 OK	3.013	39	-0.5	-0.030	0.000	0.3805		
								Infiltration		0.3					
								Infiltration		0.4					
5760 minute summer	39	2640	6.462	0.007	0.5	0.0009	0.0000 OK	3.014	40	-0.4	-0.130	0.000	0.0461		
								Infiltration		0.0					
5760 minute summer	40	2640	6.701	0.006	0.4	0.0007	0.0000 OK	3.015	41	-0.3	-0.116	0.000	0.0368		
								Infiltration		0.0					
5760 minute summer	41	2640	6.871	0.006	0.3	0.0007	0.0000 OK	3.016	42	-0.2	-0.097	0.000	0.0324		
								Infiltration		0.0					
5760 minute summer	42	2640	7.089	0.004	0.3	0.0005	0.0000 OK	3.017	43	-0.2	-0.084	0.000	0.0319		
								Infiltration		0.0					
5760 minute summer	43	2640	7.156	0.005	0.2	0.0006	0.0000 OK	3.018	44	-0.1	-0.031	0.000	0.0251		
								Infiltration		0.0					
5760 minute summer	44	2640	7.228	0.003	0.1	0.0003	0.0000 OK	3.019	45	0.0	0.023	0.000	0.0202		
5760 minute summer	45	2640	7.199	0.004	0.1	0.0005	0.0000 OK	3.020	46	0.1	0.059	0.000	0.0286		
								Infiltration		0.0					
5760 minute summer	46	2640	7.130	0.005	0.2	0.0005	0.0000 OK	3.021	47	0.2	0.087	0.000	0.0367		
								Infiltration		0.0					
5760 minute summer	47	2640	6.971	0.006	0.3	0.0007	0.0000 OK	3.022	48	0.3	0.058	0.000	0.7822		
								Infiltration		0.0					
5760 minute summer	48	6000	6.960	0.155	0.4	0.0198	0.0000 OK	3.023	50	0.4	0.065	0.001	1.5699		
								Infiltration		0.2					
5760 minute summer	49	5820	8.129	0.120	46.1	1.7077	0.0000 OK	Orifice	50	1.1					
								Infiltration		0.8					
5760 minute summer	50	5820	7.424	0.024	1.1	0.0000	0.0000 OK	4.001	51	1.1	0.701	0.051	0.0197		
5760 minute summer	51	5820	7.326	0.020	1.1	0.0000	0.0000 OK	4.002	52	1.1	0.758	0.038	0.0056		
5760 minute summer	52	5820	7.221	0.021	1.1	0.0000	0.0000 OK	4.003	53	1.1	0.730	0.043	0.0038		
5760 minute summer	53	6000	6.960	0.175	1.1	0.0210	0.0000 OK	3.024	54	0.7	0.112	0.000	2.7974		
								Infiltration		0.2					
5760 minute summer	54	6000	6.960	0.335	0.7	0.0402	0.0000 OK	3.025	54_OUT	0.5	0.013	0.000	5.3459		
								Infiltration		0.3					
5760 minute summer	54_OUT	6000	6.960	0.455	0.6	0.0546	0.0000 OK	Infiltration		0.4					
5760 minute summer	55	2640	8.463	0.017	0.2	0.0058	0.0000 OK	5.000	56	0.2	0.184	0.027	0.0182		
5760 minute summer	56	2640	8.433	0.017	0.4	0.0280	0.0000 OK	5.001	57	0.3	0.228	0.027	0.0312		

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								Infiltration		0.1					
5760 minute summer	57	3640	8.335	0.025	0.5	0.0250	0.0000	OK	5.002	58	0.5	0.238	0.059	0.0978	
								Infiltration		0.1					
5760 minute summer	58	3240	8.290	0.045	0.7	0.1451	0.0000	OK	5.003	59	0.5	0.251	0.071	0.1620	
								Infiltration		0.3					
5760 minute summer	59	3240	8.288	0.084	0.7	0.4071	0.0000	OK	5.004	60	0.5	0.041	0.001	1.9422	
								Infiltration		0.3					
5760 minute summer	60	3240	8.269	0.104	0.7	0.0354	0.0000	OK	5.005	61	0.3	0.026	0.000	3.7042	
								Infiltration		0.3					
5760 minute summer	61	3240	8.288	0.153	0.5	0.0521	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000	
								Infiltration		0.4					
5760 minute summer	62	2700	8.142	0.006	0.2	0.0018	0.0000	OK	5.007	63	0.2	0.040	0.000	3.1851	
5760 minute summer	63	3240	7.983	0.147	0.4	0.0499	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	3.0894	
								Infiltration		0.3					
5760 minute summer	63_OUT	3240	7.983	0.218	0.3	0.0740	0.0000	OK	Infiltration		0.3				
5760 minute summer	64	3420	6.351	0.196	0.1	0.0256	0.0000	OK	6.000	65	0.1	0.024	0.000	1.4362	
5760 minute summer	65	3420	6.351	0.226	0.2	0.0362	0.0000	OK	6.001	66	0.1	0.005	0.000	2.1678	
								Infiltration		0.1					
5760 minute summer	66	3420	6.351	0.258	0.2	0.0408	0.0000	OK	6.002	67	0.0	0.002	0.000	1.2984	
								Infiltration		0.2					
5760 minute summer	67	3420	6.351	0.275	0.1	0.0427	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000	
								Infiltration		0.1					
5760 minute summer	68	2460	6.079	0.003	0.1	0.0004	0.0000	OK	6.004	69	0.1	0.009	0.000	2.1902	
5760 minute summer	69	3420	5.980	0.215	0.2	0.0344	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000	
								Infiltration		0.2					
5760 minute summer	70	3420	5.792	0.037	0.1	0.0060	0.0000	OK	6.006	71	0.1	0.014	0.000	0.3923	
5760 minute summer	71	3420	5.792	0.107	0.2	0.0172	0.0000	OK	6.007	72	0.1	0.006	0.000	1.6044	
								Infiltration		0.1					
5760 minute summer	72	3420	5.792	0.107	0.2	0.0172	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000	
								Infiltration		0.2					
5760 minute summer	73	3420	6.046	0.341	0.1	0.0546	0.0000	OK	6.009	74	0.1	0.013	0.000	1.7188	
5760 minute summer	74	3420	6.046	0.341	0.2	0.0546	0.0000	OK	6.010	75	0.1	0.018	0.000	1.9463	
								Infiltration		0.1					
5760 minute summer	75	3420	6.046	0.341	0.2	0.0546	0.0000	OK	6.011	76	0.1	0.006	0.000	2.1431	
								Infiltration		0.1					
5760 minute summer	76	3420	6.046	0.411	0.2	0.0625	0.0000	OK	6.012	76_OUT	0.1	0.001	0.000	2.2739	
								Infiltration		0.1					
5760 minute summer	76_OUT	3420	6.046	0.411	0.2	0.0658	0.0000	OK	Infiltration		0.1				

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Results for 1000 year 5760 minute winter. 8000 minute analysis at 60 minute timestep. Mass balance: 88.76%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	1	2820	9.560	0.260	0.2	0.0000	0.0000	FLOOD RISK	1.000	2	-0.2	-0.007	-0.009	0.4653	
5760 minute winter	2	2940	9.560	0.310	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.014	-0.022	1.1264	
5760 minute winter	3	2940	9.560	0.410	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.073	-0.024	0.4986	
5760 minute winter	4	2940	9.560	0.460	0.8	0.0000	0.0000	FLOOD RISK	1.003	5	-0.8	-0.041	-0.034	0.8441	
5760 minute winter	5	2940	9.560	0.560	1.0	0.0000	0.0000	FLOOD RISK	1.004	6	-1.0	-0.033	-0.027	0.1621	
5760 minute winter	6	2880	9.560	0.560	3.8	5.4407	0.0000	FLOOD RISK	1.005	7	3.8	0.367	0.079	0.7796	
5760 minute winter	7	2880	9.559	0.809	8.0	3.2994	0.0000	FLOOD RISK	1.006	8	8.0	0.365	0.086	2.4923	
5760 minute winter	8	2880	9.559	1.009	10.4	6.9243	0.0000	FLOOD RISK	1.007	9	10.4	0.374	0.096	5.9236	
5760 minute winter	9	2880	9.558	1.208	17.7	11.7447	0.0000	FLOOD RISK	1.008	10	17.7	0.360	0.075	3.1380	
5760 minute winter	10	2880	9.556	1.258	19.1	2.2296	0.0000	FLOOD RISK	1.009	11	19.1	0.332	0.129	47.8613	
5760 minute winter	11	2880	9.553	1.553	19.1	0.0000	0.0000	FLOOD RISK	1.010	12	19.1	0.240	0.066	53.3278	
5760 minute winter	12	480	7.750	1.000	19.1	0.0000	0.0000	FLOOD RISK	1.011	13	19.1	0.158	0.097	0.2514	
5760 minute winter	13	2940	9.543	0.043	19.1	0.0000	0.0000	OK	1.012	13_OUT	19.1	2.369	0.015	0.0483	
5760 minute winter	13_OUT	5760	8.198	0.864	19.1	0.0000	0.0000	OK	Flow through pond	49	71.5	0.004	0.000	6136.5293	
5760 minute winter	14	2940	9.553	0.253	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.006	-0.005	0.8136	
5760 minute winter	15	2880	9.553	0.487	2.9	3.7019	0.0000	FLOOD RISK	2.001	16	2.9	0.323	0.060	0.9254	
5760 minute winter	16	2940	9.553	0.562	2.9	0.0000	0.0000	FLOOD RISK	2.002	17	2.9	0.343	0.059	0.6320	
5760 minute winter	17	2940	9.552	0.693	4.4	2.1516	0.0000	FLOOD RISK	2.003	18	4.4	0.357	0.056	1.8750	
5760 minute winter	18	2940	9.552	0.871	8.0	5.4801	0.0000	FLOOD RISK	2.004	19	8.0	0.374	0.064	5.4896	
5760 minute winter	19	2880	9.552	1.098	14.3	9.8800	0.0000	FLOOD RISK	2.005	20	14.3	0.357	0.073	4.0628	
5760 minute winter	20	2880	9.551	1.148	14.3	0.0000	0.0000	FLOOD RISK	2.006	21	14.3	0.499	0.072	3.4979	
5760 minute winter	21	2940	9.551	1.179	14.3	0.0000	0.0000	FLOOD RISK	2.007	22	14.3	0.511	0.024	3.7404	
5760 minute winter	22	2940	9.551	1.551	18.3	8.7372	0.0000	FLOOD RISK	2.008	23	18.3	0.158	0.064	53.3017	
5760 minute winter	23	480	7.750	1.000	18.3	0.0000	0.0000	FLOOD RISK	2.009	24	18.3	0.152	0.093	0.2514	
5760 minute winter	24	2940	9.542	0.042	18.3	0.0000	0.0000	OK	2.010	24_OUT	18.3	2.337	0.015	0.0468	
5760 minute winter	24_OUT	5700	8.198	0.864	18.3	0.0000	0.0000	OK	Flow through pond	49	71.5	0.004	0.000	6136.5293	
5760 minute winter	25	2460	8.810	0.014	0.3	0.0087	0.0000	OK	3.000	26	0.3	0.311	0.017	0.0343	
5760 minute winter	26	2460	8.453	0.018	0.6	0.0255	0.0000	OK	3.001	27	0.5	0.398	0.029	0.0460	
									Infiltration		0.1				
5760 minute winter	27	2460	8.133	0.018	0.8	0.0292	0.0000	OK	3.002	28	0.6	0.487	0.029	0.0391	
									Infiltration		0.2				
5760 minute winter	28	2460	7.714	0.018	0.9	0.0244	0.0000	OK	3.003	29	0.8	0.587	0.032	0.0458	
									Infiltration		0.1				
5760 minute winter	29	2460	7.085	0.020	1.1	0.0230	0.0000	OK	3.004	30	1.0	0.728	0.035	0.0091	
									Infiltration		0.1				
5760 minute winter	30	2520	6.539	0.014	1.1	0.0017	0.0000	OK	3.005	31	1.1	0.138	0.000	0.2336	
5760 minute winter	31	2820	6.727	0.032	1.2	0.0038	0.0000	OK	3.006	32	1.0	0.052	0.001	0.4443	
									Infiltration		0.2				
5760 minute winter	32	2760	6.726	0.081	1.1	0.0097	0.0000	OK	3.007	33	-0.1	-0.003	0.000	0.3357	

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								Infiltration		0.4					
								Infiltration		0.7					
5760 minute winter	33	2520	6.777	0.002	0.1	0.0003	0.0000 OK	3.008	34	0.0	0.000	0.000	0.0184		
5760 minute winter	34	2520	6.748	0.003	0.1	0.0004	0.0000 OK	3.009	35	0.1	0.055	0.000	0.0171		
								Infiltration		0.0					
5760 minute winter	35	2520	6.678	0.004	0.2	0.0004	0.0000 OK	3.010	36	0.2	0.012	0.000	0.2791		
								Infiltration		0.0					
5760 minute winter	36	2760	6.578	0.073	0.3	0.0083	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
5760 minute winter	37	2520	6.508	0.003	0.1	0.0003	0.0000 OK	3.012	38	0.1	0.066	0.000	0.5365		
5760 minute winter	38	2760	6.347	0.082	0.7	0.0098	0.0000 OK	3.013	39	-0.5	-0.030	0.000	0.3605		
								Infiltration		0.3					
								Infiltration		0.4					
5760 minute winter	39	2520	6.462	0.007	0.5	0.0009	0.0000 OK	3.014	40	-0.4	-0.130	0.000	0.0461		
								Infiltration		0.0					
5760 minute winter	40	2520	6.701	0.006	0.4	0.0007	0.0000 OK	3.015	41	-0.3	-0.118	0.000	0.0386		
								Infiltration		0.0					
5760 minute winter	41	2520	6.871	0.006	0.3	0.0007	0.0000 OK	3.016	42	-0.2	-0.097	0.000	0.0324		
								Infiltration		0.0					
5760 minute winter	42	2520	7.069	0.004	0.3	0.0005	0.0000 OK	3.017	43	-0.2	-0.064	0.000	0.0319		
								Infiltration		0.0					
5760 minute winter	43	2520	7.156	0.005	0.2	0.0006	0.0000 OK	3.018	44	-0.1	-0.031	0.000	0.0251		
								Infiltration		0.0					
5760 minute winter	44	2520	7.228	0.003	0.1	0.0003	0.0000 OK	3.019	45	0.0	0.023	0.000	0.0202		
5760 minute winter	45	2520	7.199	0.004	0.1	0.0005	0.0000 OK	3.020	46	0.1	0.059	0.000	0.0286		
								Infiltration		0.0					
5760 minute winter	46	2520	7.130	0.005	0.2	0.0005	0.0000 OK	3.021	47	0.2	0.087	0.000	0.3690		
								Infiltration		0.0					
5760 minute winter	47	6000	7.054	0.089	0.3	0.0107	0.0000 OK	3.022	48	0.3	0.058	0.000	1.7735		
								Infiltration		0.1					
5760 minute winter	48	6000	7.054	0.259	0.4	0.0311	0.0000 OK	3.023	53	0.4	0.065	0.001	2.7757		
								Infiltration		0.2					
5760 minute winter	49	5760	8.190	0.190	81.8	2.6937	0.0000 SURCHARGED	Orifice	50	1.4					
								Infiltration		0.0					
5760 minute winter	50	5760	7.407	0.027	1.4	0.0000	0.0000 OK	4.001	51	1.4	0.759	0.067	0.0129		
5760 minute winter	51	5760	7.323	0.023	1.4	0.0000	0.0000 OK	4.002	52	1.4	0.821	0.050	0.0087		
5760 minute winter	52	5760	7.224	0.024	1.4	0.0000	0.0000 OK	4.003	53	1.4	0.780	0.055	0.0044		
5760 minute winter	53	6000	7.054	0.266	1.4	0.0323	0.0000 OK	3.024	54	0.8	0.112	0.000	4.2540		
								Infiltration		0.3					
5760 minute winter	54	6000	7.054	0.428	0.8	0.0515	0.0000 OK	3.025	54_OUT	0.5	0.013	0.000	7.2908		
								Infiltration		0.3					
5760 minute winter	54_OUT	6000	7.054	0.549	0.6	0.0659	0.0000 OK	Infiltration		0.5					
5760 minute winter	55	2640	8.463	0.017	0.2	0.0058	0.0000 OK	5.000	56	0.2	0.184	0.027	0.0182		
5760 minute winter	56	2640	8.433	0.017	0.4	0.0280	0.0000 OK	5.001	57	0.3	0.228	0.027	0.0312		

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								Infiltration		0.1					
5760 minute winter	57	2640	8.335	0.025	0.5	0.0250	0.0000	OK	S.002	S8	0.5	0.238	0.059	0.0978	
								Infiltration		0.1					
5760 minute winter	58	3240	8.296	0.045	0.7	0.1451	0.0000	OK	S.003	S9	0.5	0.250	0.071	0.1620	
								Infiltration		0.3					
5760 minute winter	59	3240	8.289	0.084	0.7	0.4071	0.0000	OK	S.004	S0	0.5	0.041	0.001	1.9422	
								Infiltration		0.3					
5760 minute winter	60	3240	8.289	0.104	0.7	0.0354	0.0000	OK	S.005	S1	0.3	0.026	0.000	3.7042	
								Infiltration		0.3					
5760 minute winter	61	3240	8.289	0.153	0.5	0.0521	0.0000	OK	S.006	S2	0.0	0.000	0.000	0.0000	
								Infiltration		0.4					
5760 minute winter	62	2700	8.142	0.006	0.2	0.0018	0.0000	OK	S.007	S3	0.2	0.040	0.000	3.1892	
5760 minute winter	63	3240	7.983	0.147	0.4	0.0499	0.0000	OK	S.008	S3_OUT	0.1	0.014	0.000	3.1028	
								Infiltration		0.3					
5760 minute winter	63_OUT	3240	7.983	0.218	0.3	0.0741	0.0000	OK	Infiltration		0.3				
5760 minute winter	64	3660	6.368	0.183	0.1	0.0293	0.0000	OK	S.000	S5	0.1	0.024	0.000	1.5682	
5760 minute winter	65	3660	6.368	0.243	0.2	0.0389	0.0000	OK	S.001	S6	0.1	0.065	0.000	2.3747	
								Infiltration		0.1					
5760 minute winter	66	3660	6.368	0.275	0.2	0.0435	0.0000	OK	S.002	S7	0.0	0.001	0.000	1.4128	
								Infiltration		0.2					
5760 minute winter	67	3660	6.368	0.282	0.1	0.0453	0.0000	OK	S.003	S8	0.0	0.000	0.000	0.0000	
								Infiltration		0.1					
5760 minute winter	68	2220	6.079	0.003	0.1	0.0004	0.0000	OK	S.004	S9	0.1	0.009	0.000	2.2041	
5760 minute winter	69	3660	5.981	0.216	0.2	0.0345	0.0000	OK	S.005	S0	0.0	0.000	0.000	0.0000	
								Infiltration		0.2					
5760 minute winter	70	3660	5.796	0.041	0.1	0.0065	0.0000	OK	S.006	S1	0.1	0.014	0.000	0.4129	
5760 minute winter	71	3660	5.796	0.111	0.2	0.0177	0.0000	OK	S.007	S2	0.1	0.008	0.000	1.6653	
								Infiltration		0.1					
5760 minute winter	72	3660	5.796	0.111	0.2	0.0177	0.0000	OK	S.008	S3	0.0	0.000	0.000	0.0000	
								Infiltration		0.2					
5760 minute winter	73	3660	6.083	0.378	0.1	0.0605	0.0000	OK	S.009	S4	0.1	0.013	0.000	1.9874	
5760 minute winter	74	3660	6.083	0.378	0.2	0.0605	0.0000	OK	S.010	S5	0.1	0.019	0.000	2.2505	
								Infiltration		0.1					
5760 minute winter	75	3660	6.083	0.378	0.2	0.0605	0.0000	OK	S.011	S6	0.1	0.008	0.000	2.4503	
								Infiltration		0.1					
5760 minute winter	76	3660	6.083	0.448	0.2	0.0681	0.0000	OK	S.012	S6_OUT	0.1	0.001	0.000	2.5774	
								Infiltration		0.1					
5760 minute winter	76_OUT	3660	6.083	0.448	0.2	0.0717	0.0000	OK	Infiltration		0.1				

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Results for 1000 year 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance: 88.67%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	1	3660	9.570	0.270	0.2	0.0000	0.0000	FLOOD RISK	1.000	2	-0.2	-0.007	-0.007	0.4853	
7200 minute summer	2	3660	9.570	0.320	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.014	-0.022	1.1264	
7200 minute summer	3	3660	9.570	0.420	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.028	-0.026	0.4986	
7200 minute summer	4	3660	9.570	0.470	0.6	0.0000	0.0000	FLOOD RISK	1.003	5	-0.6	-0.023	-0.026	0.8441	
7200 minute summer	5	3660	9.570	0.570	0.7	0.0000	0.0000	FLOOD RISK	1.004	6	-0.7	-0.023	-0.019	0.1621	
7200 minute summer	6	3660	9.570	0.670	4.5	5.5205	0.0000	FLOOD RISK	1.005	7	4.5	0.340	0.093	0.7796	
7200 minute summer	7	3660	9.569	0.819	7.1	3.3378	0.0000	FLOOD RISK	1.006	8	7.1	0.337	0.151	2.4923	
7200 minute summer	8	3660	9.568	1.018	12.3	6.9865	0.0000	FLOOD RISK	1.007	9	12.3	0.334	0.114	5.9230	
7200 minute summer	9	3660	9.567	1.217	20.8	11.8295	0.0000	FLOOD RISK	1.008	10	20.8	0.367	0.088	3.1360	
7200 minute summer	10	3660	9.566	1.266	22.4	2.2449	0.0000	FLOOD RISK	1.009	11	22.4	0.267	0.152	47.8613	
7200 minute summer	11	3660	9.559	1.559	22.4	0.0000	0.0000	FLOOD RISK	1.010	12	22.4	0.141	0.078	53.3278	
7200 minute summer	12	540	7.750	1.000	22.4	0.0000	0.0000	FLOOD RISK	1.011	13	22.4	0.184	0.114	0.2528	
7200 minute summer	13	3660	9.546	0.046	22.4	0.0000	0.0000	OK	1.012	13_OUT	22.4	2.484	0.018	0.0540	
7200 minute summer	13_OUT	7140	8.151	0.618	22.4	0.0000	0.0000	OK	Flow through pond	49	46.1	0.002	0.000	5719.0894	
7200 minute summer	14	3660	9.560	0.260	0.3	0.0000	0.0000	FLOOD RISK	2.000	15	-0.3	-0.012	-0.009	0.8136	
7200 minute summer	15	3660	9.560	0.474	3.4	3.7582	0.0000	FLOOD RISK	2.001	16	3.4	0.277	0.070	0.9254	
7200 minute summer	16	3660	9.560	0.568	3.4	0.0000	0.0000	FLOOD RISK	2.002	17	3.4	0.294	0.069	0.6320	
7200 minute summer	17	3660	9.559	0.760	5.2	2.1730	0.0000	FLOOD RISK	2.003	18	5.2	0.305	0.057	1.8750	
7200 minute summer	18	3660	9.559	0.878	9.4	5.5228	0.0000	FLOOD RISK	2.004	19	9.4	0.322	0.075	5.4890	
7200 minute summer	19	3660	9.558	1.102	16.7	9.9392	0.0000	FLOOD RISK	2.005	20	16.7	0.369	0.085	4.0628	
7200 minute summer	20	3660	9.558	1.147	16.7	0.0000	0.0000	FLOOD RISK	2.006	21	16.7	0.427	0.084	3.4979	
7200 minute summer	21	3660	9.558	1.186	16.7	0.0000	0.0000	FLOOD RISK	2.007	22	16.7	0.463	0.028	3.7404	
7200 minute summer	22	3660	9.557	1.557	21.4	6.7647	0.0000	FLOOD RISK	2.008	23	21.4	0.108	0.074	53.3017	
7200 minute summer	23	540	7.750	1.000	21.4	0.0000	0.0000	FLOOD RISK	2.009	24	21.4	0.176	0.109	0.2525	
7200 minute summer	24	3660	9.545	0.045	21.4	0.0000	0.0000	OK	2.010	24_OUT	21.4	2.452	0.017	0.0522	
7200 minute summer	24_OUT	7200	8.151	0.618	21.4	0.0000	0.0000	OK	Flow through pond	49	46.1	0.002	0.000	5719.0894	
7200 minute summer	25	3660	8.812	0.018	0.4	0.0099	0.0000	OK	3.000	26	0.4	0.338	0.022	0.0425	
7200 minute summer	26	3660	8.456	0.021	0.8	0.0024	0.0000	OK	3.001	27	0.6	0.438	0.040	0.0581	
									Infiltration		0.2				
7200 minute summer	27	3660	8.136	0.021	1.0	0.0363	0.0000	OK	3.002	28	0.8	0.541	0.041	0.0500	
									Infiltration		0.2				
7200 minute summer	28	3660	7.717	0.022	1.2	0.0314	0.0000	OK	3.003	29	1.1	0.652	0.046	0.0500	
									Infiltration		0.1				
7200 minute summer	29	3660	7.068	0.023	1.5	0.0295	0.0000	OK	3.004	30	1.4	0.806	0.050	0.0115	
									Infiltration		0.1				
7200 minute summer	30	3660	6.842	0.017	1.5	0.0020	0.0000	OK	3.005	31	1.5	0.128	0.001	0.3901	
7200 minute summer	31	3720	6.751	0.056	1.6	0.0067	0.0000	OK	3.006	32	1.2	0.052	0.001	0.6641	
									Infiltration		0.4				
7200 minute summer	32	3720	6.751	0.106	1.4	0.0127	0.0000	OK	3.007	33	-0.1	-0.004	0.000	0.4549	

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								Infiltration		0.5					
								Infiltration		0.8					
7200 minute summer	33	3360	6.777	0.002	0.1	0.0003	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0184	
7200 minute summer	34	3360	6.748	0.003	0.1	0.0004	0.0000	OK	3.009	35	0.1	0.055	0.000	0.0171	
								Infiltration		0.5					
7200 minute summer	35	3360	6.679	0.004	0.2	0.0004	0.0000	OK	3.010	36	0.2	0.012	0.000	0.2791	
								Infiltration		0.0					
7200 minute summer	36	3600	6.578	0.073	0.3	0.0083	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
								Infiltration		0.3					
7200 minute summer	37	3360	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.006	0.000	0.5365	
7200 minute summer	38	3600	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.030	0.000	0.3805	
								Infiltration		0.3					
								Infiltration		0.4					
7200 minute summer	39	3360	6.462	0.007	0.5	0.0009	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461	
								Infiltration		0.0					
7200 minute summer	40	3360	6.701	0.006	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0368	
								Infiltration		0.0					
7200 minute summer	41	3360	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324	
								Infiltration		0.0					
7200 minute summer	42	3360	7.088	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.084	0.000	0.0319	
								Infiltration		0.0					
7200 minute summer	43	3360	7.156	0.005	0.2	0.0006	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251	
								Infiltration		0.0					
7200 minute summer	44	3360	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202	
7200 minute summer	45	3360	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0286	
								Infiltration		0.0					
7200 minute summer	46	3360	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.1317	
								Infiltration		0.0					
7200 minute summer	47	7440	7.000	0.035	0.3	0.0042	0.0000	OK	3.022	48	0.3	0.058	0.000	1.1613	
								Infiltration		0.0					
7200 minute summer	48	7440	7.000	0.205	0.4	0.0246	0.0000	OK	3.023	50	0.4	0.065	0.001	2.0506	
								Infiltration		0.2					
7200 minute summer	49	7260	8.146	0.146	48.7	2.0695	0.0000	OK	Orifice	50	1.2				
								Infiltration		0.8					
7200 minute summer	50	7260	7.435	0.025	1.2	0.0000	0.0000	OK	4.001	51	1.2	0.727	0.057	0.0116	
7200 minute summer	51	7260	7.321	0.021	1.2	0.0000	0.0000	OK	4.002	52	1.2	0.765	0.043	0.0061	
7200 minute summer	52	7260	7.222	0.022	1.2	0.0000	0.0000	OK	4.003	53	1.2	0.756	0.048	0.0039	
7200 minute summer	53	7440	7.000	0.215	1.2	0.0258	0.0000	OK	3.024	54	0.8	0.112	0.000	3.3831	
								Infiltration		0.3					
7200 minute summer	54	7440	7.000	0.375	0.8	0.0450	0.0000	OK	3.025	54_OUT	0.5	0.013	0.000	6.1360	
								Infiltration		0.3					
7200 minute summer	54_OUT	7440	7.000	0.495	0.6	0.0594	0.0000	OK	Infiltration		0.4				
7200 minute summer	55	3420	8.463	0.017	0.2	0.0058	0.0000	OK	5.000	56	0.2	0.184	0.027	0.0182	
7200 minute summer	56	3420	8.433	0.017	0.4	0.0280	0.0000	OK	5.001	57	0.3	0.228	0.027	0.0312	

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								Infiltration		0.1					
7200 minute summer	57	3420	8.335	0.025	0.5	0.0250	0.0000	OK	5.002	58	0.5	0.238	0.059	0.0858	
								Infiltration		0.1					
7200 minute summer	58	3900	8.289	0.044	0.7	0.1397	0.0000	OK	5.003	59	0.5	0.251	0.071	0.1590	
								Infiltration		0.2					
7200 minute summer	59	3900	8.288	0.083	0.7	0.4013	0.0000	OK	5.004	60	0.5	0.041	0.001	1.9192	
								Infiltration		0.3					
7200 minute summer	60	3900	8.288	0.103	0.7	0.0351	0.0000	OK	5.005	61	0.3	0.026	0.000	3.6710	
								Infiltration		0.3					
7200 minute summer	61	3900	8.288	0.152	0.5	0.0518	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000	
								Infiltration		0.4					
7200 minute summer	62	3480	8.142	0.006	0.2	0.0018	0.0000	OK	5.007	63	0.2	0.040	0.000	3.1081	
7200 minute summer	63	3900	7.980	0.144	0.4	0.0489	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	3.0359	
								Infiltration		0.3					
7200 minute summer	63_OUT	3900	7.980	0.215	0.3	0.0730	0.0000	OK	Infiltration		0.3				
7200 minute summer	64	4140	6.351	0.196	0.1	0.0256	0.0000	OK	6.000	65	0.1	0.024	0.000	1.4362	
7200 minute summer	65	4140	6.351	0.226	0.2	0.0362	0.0000	OK	6.001	66	0.1	0.005	0.000	2.1678	
								Infiltration		0.1					
7200 minute summer	66	4140	6.351	0.258	0.2	0.0408	0.0000	OK	6.002	67	0.0	0.002	0.000	1.2984	
								Infiltration		0.2					
7200 minute summer	67	4140	6.351	0.275	0.1	0.0427	0.0000	OK	6.003	68	0.0	0.000	0.000	0.0000	
								Infiltration		0.1					
7200 minute summer	68	3180	6.079	0.060	0.1	0.0004	0.0000	OK	6.004	69	0.1	0.009	0.000	2.1902	
7200 minute summer	69	4140	5.980	0.215	0.2	0.0344	0.0000	OK	6.005	70	0.0	0.000	0.000	0.0000	
								Infiltration		0.2					
7200 minute summer	70	4140	5.792	0.037	0.1	0.0060	0.0000	OK	6.006	71	0.1	0.014	0.000	0.3923	
7200 minute summer	71	4140	5.792	0.107	0.2	0.0172	0.0000	OK	6.007	72	0.1	0.006	0.000	1.6044	
								Infiltration		0.1					
7200 minute summer	72	4140	5.792	0.107	0.2	0.0172	0.0000	OK	6.008	73	0.0	0.000	0.000	0.0000	
								Infiltration		0.2					
7200 minute summer	73	4140	6.046	0.341	0.1	0.0546	0.0000	OK	6.009	74	0.1	0.013	0.000	1.7188	
7200 minute summer	74	4140	6.046	0.341	0.2	0.0546	0.0000	OK	6.010	75	0.1	0.018	0.000	1.9463	
								Infiltration		0.1					
7200 minute summer	75	4140	6.046	0.341	0.2	0.0546	0.0000	OK	6.011	76	0.1	0.006	0.000	2.1431	
								Infiltration		0.1					
7200 minute summer	76	4140	6.046	0.411	0.2	0.0625	0.0000	OK	6.012	76_OUT	0.1	0.001	0.000	2.2739	
								Infiltration		0.1					
7200 minute summer	76_OUT	4140	6.046	0.411	0.2	0.0658	0.0000	OK	Infiltration		0.1				

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Results for 1000 year 7200 minute winter, 7440 minute analysis at 60 minute timestep. Mass balance: 88.86%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	1	3600	9.552	0.252	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.034	-0.005	0.4653	
7200 minute winter	2	3600	9.552	0.302	0.5	0.0000	0.0000	FLOOD RISK	1.001	3	-0.5	-0.028	-0.024	1.1264	
7200 minute winter	3	3660	9.552	0.402	0.8	0.0000	0.0000	FLOOD RISK	1.002	4	-0.8	-0.027	-0.038	0.4986	
7200 minute winter	4	3660	9.552	0.452	0.9	0.0000	0.0000	FLOOD RISK	1.003	5	-0.9	-0.029	-0.039	0.8441	
7200 minute winter	5	3600	9.552	0.552	1.0	0.0000	0.0000	FLOOD RISK	1.004	6	-1.0	-0.031	-0.028	0.1621	
7200 minute winter	6	3600	9.552	0.652	3.2	5.3743	0.0000	FLOOD RISK	1.005	7	3.2	0.355	0.068	0.7796	
7200 minute winter	7	3660	9.552	0.802	5.1	3.2870	0.0000	FLOOD RISK	1.006	8	5.1	0.347	0.073	2.4923	
7200 minute winter	8	3660	9.551	1.001	8.8	6.8703	0.0000	FLOOD RISK	1.007	9	8.8	0.356	0.081	5.9236	
7200 minute winter	9	3600	9.550	1.200	14.9	11.6714	0.0000	FLOOD RISK	1.008	10	14.9	0.341	0.063	3.1380	
7200 minute winter	10	3600	9.550	1.250	16.1	2.2164	0.0000	FLOOD RISK	1.009	11	16.1	0.314	0.109	47.8613	
7200 minute winter	11	3600	9.547	1.547	16.1	0.0000	0.0000	FLOOD RISK	1.010	12	16.1	0.239	0.056	53.3278	
7200 minute winter	12	600	7.750	1.000	16.1	0.0000	0.0000	FLOOD RISK	1.011	13	16.1	0.134	0.082	0.2504	
7200 minute winter	13	3660	9.540	0.040	16.1	0.0000	0.0000	OK	1.012	13_OUT	16.1	2.242	0.013	0.0430	
7200 minute winter	13_OUT	7080	8.227	0.894	16.1	0.0000	0.0000	OK	Flow through pond	49	63.5	0.004	0.000	6415.1548	
7200 minute winter	14	3660	9.547	0.247	0.3	0.0000	0.0000	FLOOD RISK	2.000	15	-0.3	-0.009	-0.008	0.8136	
7200 minute winter	15	3600	9.547	0.481	2.5	3.5552	0.0000	FLOOD RISK	2.001	16	2.5	0.303	0.052	0.9254	
7200 minute winter	16	3600	9.547	0.556	2.5	0.0000	0.0000	FLOOD RISK	2.002	17	2.5	0.322	0.051	0.6320	
7200 minute winter	17	3660	9.547	0.688	3.8	2.1337	0.0000	FLOOD RISK	2.003	18	3.8	0.325	0.049	1.8750	
7200 minute winter	18	3660	9.546	0.865	6.9	5.4443	0.0000	FLOOD RISK	2.004	19	6.9	0.346	0.055	5.4896	
7200 minute winter	19	3600	9.545	1.090	12.2	9.8301	0.0000	FLOOD RISK	2.005	20	12.2	0.332	0.062	4.0628	
7200 minute winter	20	3600	9.546	1.135	12.2	0.0000	0.0000	FLOOD RISK	2.006	21	12.2	0.460	0.062	3.4979	
7200 minute winter	21	3660	9.546	1.174	12.2	0.0000	0.0000	FLOOD RISK	2.007	22	12.2	0.483	0.020	3.7404	
7200 minute winter	22	3660	9.546	1.546	15.6	8.7139	0.0000	FLOOD RISK	2.008	23	15.6	0.171	0.054	53.3017	
7200 minute winter	23	600	7.750	1.000	15.6	0.0000	0.0000	FLOOD RISK	2.009	24	15.6	0.130	0.079	0.2504	
7200 minute winter	24	3660	9.539	0.039	15.6	0.0000	0.0000	OK	2.010	24_OUT	15.6	2.220	0.013	0.0421	
7200 minute winter	24_OUT	7080	8.227	0.894	15.6	0.0000	0.0000	OK	Flow through pond	49	63.5	0.004	0.000	6415.1548	
7200 minute winter	25	3360	8.815	0.014	0.3	0.0087	0.0000	OK	3.000	26	0.3	0.311	0.017	0.0343	
7200 minute winter	26	3360	8.453	0.018	0.6	0.0255	0.0000	OK	3.001	27	0.5	0.398	0.029	0.0460	
									Infiltration		0.1				
7200 minute winter	27	3360	8.133	0.018	0.8	0.0292	0.0000	OK	3.002	28	0.6	0.487	0.029	0.0391	
									Infiltration		0.2				
7200 minute winter	28	3360	7.714	0.018	0.9	0.0244	0.0000	OK	3.003	29	0.8	0.587	0.032	0.0458	
									Infiltration		0.1				
7200 minute winter	29	3360	7.085	0.020	1.1	0.0230	0.0000	OK	3.004	30	1.0	0.728	0.035	0.0091	
									Infiltration		0.1				
7200 minute winter	30	3480	6.539	0.014	1.1	0.0017	0.0000	OK	3.005	31	1.1	0.137	0.000	0.2336	
7200 minute winter	31	3780	6.727	0.032	1.2	0.0038	0.0000	OK	3.006	32	1.0	0.052	0.001	0.4443	
									Infiltration		0.2				
7200 minute winter	32	3720	6.726	0.081	1.1	0.0097	0.0000	OK	3.007	33	-0.1	-0.003	0.000	0.3357	

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								Infiltration		0.4					
								Infiltration		0.7					
7200 minute winter	33	3480	6.777	0.002	0.1	0.0003	0.0000 OK	3.008	34	0.0	0.000	0.000	0.0184		
7200 minute winter	34	3480	6.748	0.003	0.1	0.0004	0.0000 OK	3.009	35	0.1	0.055	0.000	0.0171		
								Infiltration		0.0					
7200 minute winter	35	3480	6.679	0.004	0.2	0.0004	0.0000 OK	3.010	36	0.2	0.012	0.000	0.2791		
								Infiltration		0.0					
7200 minute winter	36	3720	6.578	0.073	0.3	0.0083	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
7200 minute winter	37	3480	6.508	0.003	0.1	0.0003	0.0000 OK	3.012	38	0.1	0.066	0.000	0.5365		
7200 minute winter	38	3720	6.347	0.082	0.7	0.0098	0.0000 OK	3.013	39	-0.5	-0.030	0.000	0.3605		
								Infiltration		0.3					
								Infiltration		0.4					
7200 minute winter	39	3480	6.462	0.007	0.5	0.0009	0.0000 OK	3.014	40	-0.4	-0.130	0.000	0.0461		
								Infiltration		0.0					
7200 minute winter	40	3480	6.701	0.006	0.4	0.0007	0.0000 OK	3.015	41	-0.3	-0.118	0.000	0.0386		
								Infiltration		0.0					
7200 minute winter	41	3480	6.871	0.006	0.3	0.0007	0.0000 OK	3.016	42	-0.2	-0.097	0.000	0.0324		
								Infiltration		0.0					
7200 minute winter	42	3480	7.069	0.004	0.3	0.0005	0.0000 OK	3.017	43	-0.2	-0.064	0.000	0.0319		
								Infiltration		0.0					
7200 minute winter	43	3480	7.156	0.005	0.2	0.0006	0.0000 OK	3.018	44	-0.1	-0.031	0.000	0.0251		
								Infiltration		0.0					
7200 minute winter	44	3480	7.228	0.003	0.1	0.0003	0.0000 OK	3.019	45	0.0	0.023	0.000	0.0202		
7200 minute winter	45	3480	7.199	0.004	0.1	0.0005	0.0000 OK	3.020	46	0.1	0.059	0.000	0.0286		
								Infiltration		0.0					
7200 minute winter	46	3480	7.130	0.005	0.2	0.0005	0.0000 OK	3.021	47	0.2	0.087	0.000	0.5328		
								Infiltration		0.0					
7200 minute winter	47	7440	7.087	0.122	0.3	0.0147	0.0000 OK	3.022	48	0.3	0.058	0.000	2.1850		
								Infiltration		0.1					
7200 minute winter	48	7440	7.087	0.292	0.4	0.0351	0.0000 OK	3.023	53	0.4	0.065	0.001	3.2557		
								Infiltration		0.3					
7200 minute winter	49	7140	8.229	0.220	70.3	3.1156	0.0000 SURCHARGED	Orifice	50	1.6					
								Infiltration		0.0					
7200 minute winter	50	7140	7.408	0.026	1.6	0.0006	0.0000 OK	4.001	51	1.6	0.779	0.072	0.0137		
7200 minute winter	51	7140	7.324	0.024	1.6	0.0000	0.0000 OK	4.002	52	1.6	0.841	0.054	0.0071		
7200 minute winter	52	7140	7.225	0.025	1.6	0.0000	0.0000 OK	4.003	53	1.6	0.809	0.061	0.0048		
7200 minute winter	53	7440	7.087	0.302	1.6	0.0363	0.0000 OK	3.024	54	0.9	0.112	0.000	4.8216		
								Infiltration		0.3					
7200 minute winter	54	7440	7.087	0.462	0.9	0.0555	0.0000 OK	3.025	54_OUT	0.5	0.013	0.000	8.0325		
								Infiltration		0.4					
7200 minute winter	54_OUT	7440	7.087	0.582	0.6	0.0699	0.0000 OK	Infiltration		0.5					
7200 minute winter	55	2220	8.458	0.013	0.1	0.0043	0.0000 OK	5.000	56	0.1	0.150	0.014	0.0111		
7200 minute winter	56	2220	8.428	0.012	0.2	0.0148	0.0000 OK	5.001	57	0.3	0.182	0.012	0.0180		

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								Infiltration		0.0					
7200 minute winter	57	2220	8.327	0.017	0.3	0.0136	0.0000 OK	S.002	S8	0.2	0.177	0.027	0.0378		
								Infiltration		0.0					
7200 minute winter	58	2340	8.265	0.023	0.3	0.0326	0.0000 OK	S.003	S9	0.2	0.209	0.028	0.0224		
								Infiltration		0.1					
7200 minute winter	59	2220	8.217	0.012	0.3	0.0157	0.0000 OK	S.004	S0	0.2	0.041	0.000	0.3361		
								Infiltration		0.1					
7200 minute winter	60	3900	8.219	0.025	0.3	0.0087	0.0000 OK	S.005	S1	0.3	0.026	0.000	1.2742		
								Infiltration		0.1					
7200 minute winter	61	3960	8.210	0.074	0.4	0.0253	0.0000 OK	S.006	S2	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
7200 minute winter	62	2280	8.140	0.004	0.1	0.0013	0.0000 OK	S.007	S3	0.1	0.040	0.000	1.1175		
7200 minute winter	63	5100	7.894	0.058	0.2	0.0198	0.0000 OK	S.008	S3_OUT	0.1	0.014	0.000	1.4024		
								Infiltration		0.1					
7200 minute winter	63_OUT	5100	7.894	0.128	0.2	0.0438	0.0000 OK	Infiltration		0.2					
7200 minute winter	64	4320	6.365	0.180	0.1	0.0289	0.0000 OK	S.000	S5	0.1	0.024	0.000	1.5688		
7200 minute winter	65	4320	6.365	0.240	0.2	0.0385	0.0000 OK	S.001	S6	0.1	0.005	0.000	2.3375		
								Infiltration		0.1					
7200 minute winter	66	4320	6.365	0.272	0.2	0.0430	0.0000 OK	S.002	S7	0.0	0.001	0.000	1.3923		
								Infiltration		0.2					
7200 minute winter	67	4320	6.365	0.289	0.1	0.0449	0.0000 OK	S.003	S8	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
7200 minute winter	68	3060	6.079	0.003	0.1	0.0004	0.0000 OK	S.004	S9	0.1	0.009	0.000	2.2032		
7200 minute winter	69	4320	5.981	0.216	0.2	0.0345	0.0000 OK	S.005	S0	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
7200 minute winter	70	4320	5.795	0.040	0.1	0.0065	0.0000 OK	S.006	S1	0.1	0.014	0.000	0.4097		
7200 minute winter	71	4320	5.795	0.110	0.2	0.0177	0.0000 OK	S.007	S2	0.1	0.008	0.000	1.6559		
								Infiltration		0.1					
7200 minute winter	72	4320	5.795	0.110	0.2	0.0177	0.0000 OK	S.008	S3	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
7200 minute winter	73	4320	6.078	0.371	0.1	0.0594	0.0000 OK	S.009	S4	0.1	0.013	0.000	1.9347		
7200 minute winter	74	4320	6.075	0.371	0.2	0.0594	0.0000 OK	S.010	S5	0.1	0.019	0.000	2.1808		
								Infiltration		0.1					
7200 minute winter	75	4320	6.078	0.371	0.2	0.0594	0.0000 OK	S.011	S6	0.1	0.008	0.000	2.3901		
								Infiltration		0.1					
7200 minute winter	76	4320	6.076	0.441	0.2	0.0671	0.0000 OK	S.012	S6_OUT	0.1	0.001	0.000	2.5180		
								Infiltration		0.1					
7200 minute winter	76_OUT	4320	6.076	0.441	0.2	0.0706	0.0000 OK	Infiltration		0.1					

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Results for 1000 year 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 88.72%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	1	4320	9.561	0.261	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.008	-0.006	0.4653	
8640 minute summer	2	4320	9.561	0.311	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.015	-0.021	1.1284	
8640 minute summer	3	4360	9.561	0.411	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.024	-0.025	0.4986	
8640 minute summer	4	4360	9.561	0.461	0.6	0.0000	0.0000	FLOOD RISK	1.003	5	-0.6	-0.019	-0.026	0.8441	
8640 minute summer	5	4320	9.561	0.561	0.8	0.0000	0.0000	FLOOD RISK	1.004	6	-0.8	-0.023	-0.017	0.1621	
8640 minute summer	6	4360	9.561	0.661	3.9	5.4508	0.0000	FLOOD RISK	1.005	7	3.9	0.319	0.080	0.7796	
8640 minute summer	7	4320	9.561	0.811	8.2	3.3042	0.0000	FLOOD RISK	1.006	8	8.2	0.307	0.089	2.4923	
8640 minute summer	8	4360	9.560	1.010	10.7	6.9313	0.0000	FLOOD RISK	1.007	9	10.7	0.318	0.099	5.9250	
8640 minute summer	9	4320	9.559	1.209	18.1	11.7548	0.0000	FLOOD RISK	1.008	10	18.1	0.298	0.076	3.1380	
8640 minute summer	10	4320	9.559	1.259	19.5	2.2314	0.0000	FLOOD RISK	1.009	11	19.5	0.280	0.132	47.8613	
8640 minute summer	11	4320	9.553	1.553	19.5	0.0000	0.0000	FLOOD RISK	1.010	12	19.5	0.148	0.068	50.3278	
8640 minute summer	12	600	7.750	1.000	19.5	0.0000	0.0000	FLOOD RISK	1.011	13	19.5	0.161	0.099	0.2518	
8640 minute summer	13	4360	9.543	0.043	19.5	0.0000	0.0000	OK	1.012	13_OUT	19.5	2.385	0.018	0.0490	
8640 minute summer	13_OUT	8640	8.179	0.646	19.5	0.0000	0.0000	OK	Flow through pond	49	28.9	0.002	0.000	5956.4526	
8640 minute summer	14	4320	9.554	0.254	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.010	-0.007	0.8136	
8640 minute summer	15	4320	9.554	0.488	3.0	3.7092	0.0000	FLOOD RISK	2.001	16	3.0	0.277	0.062	0.9254	
8640 minute summer	16	4320	9.554	0.583	3.0	0.0000	0.0000	FLOOD RISK	2.002	17	3.0	0.294	0.061	0.5320	
8640 minute summer	17	4320	9.553	0.694	4.5	2.1544	0.0000	FLOOD RISK	2.003	18	4.5	0.305	0.058	1.8750	
8640 minute summer	18	4320	9.553	0.872	8.2	5.4856	0.0000	FLOOD RISK	2.004	19	8.2	0.309	0.065	5.4890	
8640 minute summer	19	4360	9.552	1.096	14.6	9.8876	0.0000	FLOOD RISK	2.005	20	14.6	0.295	0.074	4.0628	
8640 minute summer	20	4360	9.552	1.141	14.6	0.0000	0.0000	FLOOD RISK	2.006	21	14.6	0.419	0.074	3.4979	
8640 minute summer	21	4320	9.552	1.186	14.6	0.0000	0.0000	FLOOD RISK	2.007	22	14.6	0.431	0.025	3.7464	
8640 minute summer	22	4320	9.552	1.552	18.7	6.7408	0.0000	FLOOD RISK	2.008	23	18.7	0.101	0.065	53.3017	
8640 minute summer	23	600	7.750	1.000	18.7	0.0000	0.0000	FLOOD RISK	2.009	24	18.7	0.155	0.095	0.2515	
8640 minute summer	24	4360	9.543	0.043	18.7	0.0000	0.0000	OK	2.010	24_OUT	18.7	2.353	0.015	0.0478	
8640 minute summer	24_OUT	8640	8.179	0.646	18.7	0.0000	0.0000	OK	Flow through pond	49	28.9	0.002	0.000	5956.4526	
8640 minute summer	25	4080	8.818	0.014	0.3	0.0087	0.0000	OK	3.000	26	0.3	0.311	0.017	0.0343	
8640 minute summer	26	4080	8.453	0.018	0.6	0.0255	0.0000	OK	3.001	27	0.5	0.399	0.028	0.0460	
									Infiltration		0.1				
8640 minute summer	27	4080	8.133	0.018	0.8	0.0293	0.0000	OK	3.002	28	0.6	0.487	0.029	0.0391	
									Infiltration		0.2				
8640 minute summer	28	4080	7.714	0.018	0.9	0.0244	0.0000	OK	3.003	29	0.8	0.587	0.032	0.0468	
									Infiltration		0.1				
8640 minute summer	29	4080	7.065	0.020	1.1	0.0230	0.0000	OK	3.004	30	1.0	0.728	0.035	0.0091	
									Infiltration		0.1				
8640 minute summer	30	4200	6.839	0.014	1.1	0.0017	0.0000	OK	3.005	31	1.1	0.137	0.005	0.2336	
8640 minute summer	31	4500	6.727	0.032	1.2	0.0038	0.0000	OK	3.006	32	1.0	0.052	0.001	0.4443	
									Infiltration		0.2				
8640 minute summer	32	4440	6.726	0.681	1.1	0.0097	0.0000	OK	3.007	33	-0.1	-0.003	0.000	0.3357	

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								Infiltration		0.4					
								Infiltration		0.7					
8640 minute summer	33	4200	6.777	0.002	0.1	0.0003	0.0000 OK	3.008	34	0.0	0.000	0.000	0.0184		
8640 minute summer	34	4200	6.748	0.003	0.1	0.0004	0.0000 OK	3.009	35	0.1	0.055	0.000	0.0171		
								Infiltration		0.0					
8640 minute summer	35	4200	6.679	0.004	0.2	0.0004	0.0000 OK	3.010	36	0.2	0.012	0.000	0.2791		
								Infiltration		0.0					
8640 minute summer	36	4440	6.578	0.073	0.3	0.0083	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
8640 minute summer	37	4200	6.508	0.003	0.1	0.0003	0.0000 OK	3.012	38	0.1	0.006	0.000	0.5385		
8640 minute summer	38	4440	6.347	0.082	0.7	0.0098	0.0000 OK	3.013	39	-0.5	-0.030	0.000	0.3605		
								Infiltration		0.3					
								Infiltration		0.4					
8640 minute summer	39	4200	6.462	0.007	0.5	0.0009	0.0000 OK	3.014	40	-0.4	-0.130	0.000	0.0481		
								Infiltration		0.0					
8640 minute summer	40	4200	6.701	0.006	0.4	0.0007	0.0000 OK	3.015	41	-0.3	-0.118	0.000	0.0368		
								Infiltration		0.0					
8640 minute summer	41	4200	6.871	0.006	0.3	0.0007	0.0000 OK	3.016	42	-0.2	-0.097	0.000	0.0324		
								Infiltration		0.0					
8640 minute summer	42	4200	7.088	0.004	0.3	0.0005	0.0000 OK	3.017	43	-0.2	-0.064	0.000	0.0319		
								Infiltration		0.0					
8640 minute summer	43	4200	7.156	0.005	0.2	0.0006	0.0000 OK	3.018	44	-0.1	-0.031	0.000	0.0251		
								Infiltration		0.0					
8640 minute summer	44	4200	7.228	0.003	0.1	0.0003	0.0000 OK	3.019	45	0.0	0.023	0.000	0.0202		
8640 minute summer	45	4200	7.199	0.004	0.1	0.0005	0.0000 OK	3.020	46	0.1	0.059	0.000	0.0286		
								Infiltration		0.0					
8640 minute summer	46	4200	7.130	0.005	0.2	0.0005	0.0000 OK	3.021	47	0.2	0.087	0.000	0.2756		
								Infiltration		0.0					
8640 minute summer	47	8880	7.034	0.069	0.3	0.0083	0.0000 OK	3.022	48	0.3	0.056	0.000	1.5351		
								Infiltration		0.1					
8640 minute summer	48	8880	7.034	0.239	0.4	0.0257	0.0000 OK	3.023	53	0.4	0.065	0.001	2.4951		
								Infiltration		0.2					
8640 minute summer	49	8700	8.171	0.171	38.6	2.4240	0.0000 SURCHARGED	Orifice	50	1.4					
								Infiltration		0.0					
8640 minute summer	50	8700	7.426	0.026	1.4	0.0000	0.0000 OK	4.001	51	1.4	0.748	0.063	0.0124		
8640 minute summer	51	8700	7.322	0.022	1.4	0.0000	0.0000 OK	4.002	52	1.4	0.807	0.047	0.0065		
8640 minute summer	52	8700	7.223	0.023	1.4	0.0000	0.0000 OK	4.003	53	1.4	0.777	0.053	0.0042		
8640 minute summer	53	8880	7.034	0.249	1.4	0.0299	0.0000 OK	3.024	54	0.8	0.112	0.000	3.9192		
								Infiltration		0.3					
8640 minute summer	54	8880	7.034	0.409	0.8	0.0491	0.0000 OK	3.025	54_OUT	0.5	0.013	0.000	6.6492		
								Infiltration		0.3					
8640 minute summer	54_OUT	8880	7.034	0.529	0.6	0.0635	0.0000 OK	Infiltration		0.5					
8640 minute summer	55	4260	8.463	0.017	0.2	0.0058	0.0000 OK	5.000	56	0.2	0.184	0.027	0.0182		
8640 minute summer	56	4260	8.433	0.017	0.4	0.0280	0.0000 OK	5.001	57	0.3	0.228	0.027	0.0312		

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								Infiltration		0.1					
8640 minute summer	57	4260	8.335	0.025	0.5	0.0250	0.0000 OK	5.002	58	0.5	0.238	0.059	0.0828		
								Infiltration		0.1					
8640 minute summer	58	4500	8.283	0.038	0.7	0.1044	0.0000 OK	5.003	59	0.5	0.250	0.071	0.1382		
								Infiltration		0.2					
8640 minute summer	59	4500	8.281	0.076	0.7	0.3607	0.0000 OK	5.004	60	0.5	0.041	0.001	1.7571		
								Infiltration		0.3					
8640 minute summer	60	4500	8.281	0.096	0.7	0.0328	0.0000 OK	5.005	61	0.3	0.026	0.000	3.4383		
								Infiltration		0.3					
8640 minute summer	61	4500	8.281	0.145	0.5	0.0494	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
8640 minute summer	62	4320	8.142	0.006	0.2	0.0019	0.0000 OK	5.007	63	0.2	0.040	0.000	2.7678		
8640 minute summer	63	4500	7.966	0.130	0.4	0.0443	0.0000 OK	5.008	63_OUT	0.1	0.014	0.000	2.7545		
								Infiltration		0.3					
8640 minute summer	63_OUT	4500	7.966	0.201	0.3	0.0684	0.0000 OK	Infiltration		0.3					
8640 minute summer	64	4860	6.351	0.196	0.1	0.0256	0.0000 OK	6.000	65	0.1	0.024	0.000	1.4352		
8640 minute summer	65	4860	6.351	0.226	0.2	0.0362	0.0000 OK	6.001	66	0.1	0.005	0.000	2.1678		
								Infiltration		0.1					
8640 minute summer	66	4860	6.351	0.258	0.2	0.0408	0.0000 OK	6.002	67	0.0	0.002	0.000	1.2984		
								Infiltration		0.2					
8640 minute summer	67	4860	6.351	0.275	0.1	0.0427	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
8640 minute summer	68	3960	6.079	0.003	0.1	0.0004	0.0000 OK	6.004	69	0.1	0.009	0.000	2.1932		
8640 minute summer	69	4860	5.980	0.215	0.2	0.0344	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
8640 minute summer	70	4860	5.792	0.037	0.1	0.0060	0.0000 OK	6.006	71	0.1	0.014	0.000	0.3923		
8640 minute summer	71	4860	5.792	0.107	0.2	0.0172	0.0000 OK	6.007	72	0.1	0.006	0.000	1.6044		
								Infiltration		0.1					
8640 minute summer	72	4860	5.792	0.107	0.2	0.0172	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
8640 minute summer	73	4860	6.046	0.341	0.1	0.0546	0.0000 OK	6.009	74	0.1	0.013	0.000	1.7158		
8640 minute summer	74	4860	6.046	0.341	0.2	0.0546	0.0000 OK	6.010	75	0.1	0.019	0.000	1.9483		
								Infiltration		0.1					
8640 minute summer	75	4860	6.046	0.341	0.2	0.0546	0.0000 OK	6.011	76	0.1	0.006	0.000	2.1431		
								Infiltration		0.1					
8640 minute summer	76	4860	6.046	0.411	0.2	0.0625	0.0000 OK	6.012	76_OUT	0.1	0.001	0.000	2.2739		
								Infiltration		0.1					
8640 minute summer	76_OUT	4860	6.046	0.411	0.2	0.0658	0.0000 OK	Infiltration		0.1					

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Results for 1000 year 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 88.84%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	1	4320	9.547	0.247	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.003	-0.004	0.4653	
8640 minute winter	2	4320	9.547	0.297	0.3	0.0000	0.0000	FLOOD RISK	1.001	3	-0.3	-0.021	-0.013	1.1264	
8640 minute winter	3	4440	9.547	0.397	0.6	0.0000	0.0000	FLOOD RISK	1.002	4	-0.6	-0.022	-0.027	0.4986	
8640 minute winter	4	4380	9.547	0.447	0.7	0.0000	0.0000	FLOOD RISK	1.003	5	-0.7	-0.023	-0.032	0.8441	
8640 minute winter	5	4320	9.547	0.547	0.8	0.0000	0.0000	FLOOD RISK	1.004	6	-0.8	-0.025	-0.021	0.1621	
8640 minute winter	6	4320	9.547	0.647	2.9	5.3317	0.0000	FLOOD RISK	1.005	7	2.8	0.340	0.058	0.7796	
8640 minute winter	7	4320	9.546	0.796	4.4	3.2453	0.0000	FLOOD RISK	1.006	8	4.4	0.337	0.063	2.4923	
8640 minute winter	8	4380	9.546	0.996	7.7	6.8365	0.0000	FLOOD RISK	1.007	9	7.7	0.342	0.071	5.9236	
8640 minute winter	9	4380	9.546	1.196	13.1	11.6252	0.0000	FLOOD RISK	1.008	10	13.1	0.321	0.055	3.1380	
8640 minute winter	10	4380	9.545	1.245	14.1	2.2680	0.0000	FLOOD RISK	1.009	11	14.1	0.304	0.095	47.8613	
8640 minute winter	11	4320	9.543	1.543	14.1	0.0000	0.0000	FLOOD RISK	1.010	12	14.1	0.189	0.049	53.3278	
8640 minute winter	12	660	7.750	1.000	14.1	0.0000	0.0000	FLOOD RISK	1.011	13	14.1	0.118	0.072	0.2496	
8640 minute winter	13	4380	9.537	0.037	14.1	0.0000	0.0000	OK	1.012	13_OUT	14.1	2.151	0.011	0.0393	
8640 minute winter	13_OUT	8460	8.258	0.723	14.1	0.0000	0.0000	OK	Flow through pond	49	52.7	0.003	0.000	6689.8431	
8640 minute winter	14	4320	9.543	0.243	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.012	-0.007	0.8136	
8640 minute winter	15	4320	9.543	0.457	2.2	3.5213	0.0000	FLOOD RISK	2.001	16	2.2	0.302	0.045	0.9254	
8640 minute winter	16	4320	9.543	0.552	2.2	0.0000	0.0000	FLOOD RISK	2.002	17	2.2	0.322	0.045	0.6320	
8640 minute winter	17	4320	9.542	0.683	3.3	2.1209	0.0000	FLOOD RISK	2.003	18	3.3	0.325	0.042	1.8750	
8640 minute winter	18	4320	9.542	0.861	5.0	5.4185	0.0000	FLOOD RISK	2.004	19	5.0	0.346	0.048	5.4896	
8640 minute winter	19	4320	9.542	1.088	10.6	9.7838	0.0000	FLOOD RISK	2.005	20	10.6	0.328	0.054	4.0628	
8640 minute winter	20	4320	9.542	1.131	10.6	0.0000	0.0000	FLOOD RISK	2.006	21	10.6	0.452	0.054	3.4979	
8640 minute winter	21	4320	9.542	1.176	10.6	0.0000	0.0000	FLOOD RISK	2.007	22	10.6	0.463	0.018	3.7404	
8640 minute winter	22	4380	9.542	1.542	13.6	8.5870	0.0000	FLOOD RISK	2.008	23	13.6	0.157	0.047	53.3017	
8640 minute winter	23	660	7.750	1.000	13.6	0.0000	0.0000	FLOOD RISK	2.009	24	13.6	0.114	0.069	0.2496	
8640 minute winter	24	4380	9.537	0.037	13.6	0.0000	0.0000	OK	2.010	24_OUT	13.6	2.127	0.011	0.0383	
8640 minute winter	24_OUT	8460	8.258	0.723	13.6	0.0000	0.0000	OK	Flow through pond	49	52.7	0.003	0.000	6689.8431	
8640 minute winter	25	3360	8.807	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.282	0.011	0.0253	
8640 minute winter	26	3360	8.449	0.014	0.4	0.0183	0.0000	OK	3.001	27	0.3	0.351	0.018	0.0327	
									Infiltration		0.1				
8640 minute winter	27	3360	8.139	0.014	0.5	0.0206	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0273	
									Infiltration		0.1				
8640 minute winter	28	3360	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.503	0.019	0.0326	
									Infiltration		0.1				
8640 minute winter	29	3360	7.080	0.015	0.7	0.0182	0.0000	OK	3.004	30	0.6	0.625	0.021	0.0084	
									Infiltration		0.1				
8640 minute winter	30	3360	6.535	0.010	0.6	0.0012	0.0000	OK	3.005	31	0.6	0.113	0.000	0.1012	
8640 minute winter	31	3360	6.706	0.011	0.6	0.0013	0.0000	OK	3.006	32	0.5	0.052	0.000	0.1504	
									Infiltration		0.1				
8640 minute winter	32	3480	6.675	0.030	0.5	0.0037	0.0000	OK	3.007	33	0.0	0.000	0.000	0.1126	

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									Infiltration		0.1				
									Infiltration		0.4				
8640 minute winter	33	60	6.775	0.000	0.0	0.0000	0.0000	OK	3.008	34	0.0	0.000	0.000	0.0002	
8640 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute winter	35	60	6.675	0.000	0.0	0.0000	0.0000	OK	3.010	36	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute winter	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000	
									Infiltration		0.0				
8640 minute winter	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	0.0	0.000	0.000	0.0003	
8640 minute winter	38	60	6.265	0.000	0.0	0.0000	0.0000	OK	3.013	39	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
									Infiltration		0.0				
8640 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute winter	40	60	6.595	0.000	0.0	0.0000	0.0000	OK	3.015	41	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute winter	41	60	6.865	0.000	0.0	0.0000	0.0000	OK	3.016	42	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute winter	43	60	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	0.0	0.000	0.000	0.0002	
8640 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	0.0	0.000	0.000	0.0002	
									Infiltration		0.0				
8640 minute winter	46	60	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	0.0	0.000	0.000	0.6932	
									Infiltration		0.0				
8640 minute winter	47	8880	7.117	0.152	0.2	0.0182	0.0000	OK	3.022	48	-0.2	-0.001	0.000	2.5817	
									Infiltration		0.2				
8640 minute winter	48	8880	7.117	0.322	0.4	0.0386	0.0000	OK	3.023	53	-0.4	-0.005	-0.001	3.7124	
									Infiltration		0.3				
8640 minute winter	49	8580	8.249	0.249	58.7	3.5217	0.0000	SURCHARGED	Orifice	50	1.7				
									Infiltration		0.0				
8640 minute winter	50	8580	7.409	0.029	1.7	0.0000	0.0000	OK	4.001	51	1.7	0.795	0.078	0.0143	
8640 minute winter	51	8520	7.325	0.025	1.7	0.0000	0.0000	OK	4.002	52	1.7	0.858	0.058	0.0075	
8640 minute winter	52	8520	7.226	0.026	1.7	0.0000	0.0000	OK	4.003	53	1.7	0.825	0.065	0.0048	
8640 minute winter	53	8880	7.117	0.332	1.7	0.0398	0.0000	OK	3.024	54	0.9	0.090	0.000	5.3585	
									Infiltration		0.3				
8640 minute winter	54	8880	7.117	0.492	0.9	0.0590	0.0000	OK	3.025	54_OUT	0.5	0.019	0.000	8.7281	
									Infiltration		0.4				
8640 minute winter	54_OUT	8880	7.117	0.612	0.5	0.0734	0.0000	OK	Infiltration		0.5				
8640 minute winter	55	2760	8.458	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111	
8640 minute winter	56	2760	8.428	0.012	0.2	0.0148	0.0000	OK	5.001	57	0.3	0.182	0.012	0.0180	

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								Infiltration		0.0					
8640 minute winter	57	2760	8.327	0.017	0.3	0.0136	0.0000 OK	5.002	58	0.2	0.177	0.027	0.0378		
								Infiltration		0.0					
8640 minute winter	58	2880	8.265	0.023	0.3	0.0226	0.0000 OK	5.003	59	0.2	0.209	0.028	0.0224		
								Infiltration		0.1					
8640 minute winter	59	2760	8.217	0.012	0.3	0.0157	0.0000 OK	5.004	60	0.2	0.041	0.000	0.3361		
								Infiltration		0.1					
8640 minute winter	60	4440	8.219	0.025	0.3	0.0087	0.0000 OK	5.005	61	0.3	0.026	0.000	1.2742		
								Infiltration		0.1					
8640 minute winter	61	4500	8.210	0.074	0.4	0.0253	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
8640 minute winter	62	2820	8.140	0.004	0.1	0.0013	0.0000 OK	5.007	63	0.1	0.040	0.000	1.1175		
8640 minute winter	63	6000	7.894	0.058	0.2	0.0198	0.0000 OK	5.008	63_OUT	0.1	0.014	0.000	1.4024		
								Infiltration		0.1					
8640 minute winter	63_OUT	5760	7.894	0.128	0.2	0.0439	0.0000 OK	Infiltration		0.2					
8640 minute winter	64	4980	6.362	0.177	0.1	0.0283	0.0000 OK	6.000	65	0.1	0.023	0.000	1.5329		
8640 minute winter	65	4980	6.362	0.237	0.2	0.0379	0.0000 OK	6.001	66	0.1	0.065	0.000	2.2919		
								Infiltration		0.1					
8640 minute winter	66	4980	6.362	0.299	0.2	0.0424	0.0000 OK	6.002	67	0.0	0.001	0.000	1.3672		
								Infiltration		0.2					
8640 minute winter	67	4980	6.362	0.288	0.1	0.0443	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
8640 minute winter	68	3780	6.079	0.003	0.1	0.0004	0.0000 OK	6.004	69	0.1	0.009	0.000	2.2016		
8640 minute winter	69	4980	5.981	0.216	0.2	0.0345	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
8640 minute winter	70	4980	5.795	0.040	0.1	0.0063	0.0000 OK	6.006	71	0.1	0.014	0.000	0.4055		
8640 minute winter	71	4980	5.795	0.116	0.2	0.0175	0.0000 OK	6.007	72	0.1	0.008	0.000	1.6434		
								Infiltration		0.1					
8640 minute winter	72	4980	5.795	0.110	0.2	0.0175	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
8640 minute winter	73	4980	6.068	0.363	0.1	0.0581	0.0000 OK	6.009	74	0.1	0.013	0.000	1.8734		
8640 minute winter	74	4980	6.068	0.383	0.2	0.0581	0.0000 OK	6.010	75	0.1	0.019	0.000	2.1214		
								Infiltration		0.1					
8640 minute winter	75	4980	6.068	0.363	0.2	0.0581	0.0000 OK	6.011	76	0.1	0.008	0.000	2.3200		
								Infiltration		0.1					
8640 minute winter	76	4980	6.068	0.433	0.2	0.0658	0.0000 OK	6.012	76_OUT	0.1	0.001	0.000	2.4488		
								Infiltration		0.1					
8640 minute winter	76_OUT	4980	6.068	0.433	0.2	0.0693	0.0000 OK	Infiltration		0.1					

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Results for 1000 year 10080 minute summer, 10320 minute analysis at 60 minute timestep. Mass balance: 98.77%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	1	5100	9.556	0.256	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.009	-0.004	0.4653	
10080 minute summer	2	5100	9.556	0.306	0.3	0.0000	0.0000	FLOOD RISK	1.001	3	-0.3	-0.013	-0.015	1.1264	
10080 minute summer	3	5040	9.556	0.406	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.021	-0.021	0.4985	
10080 minute summer	4	5040	9.556	0.456	0.5	0.0000	0.0000	FLOOD RISK	1.003	5	-0.5	-0.017	-0.021	0.8441	
10080 minute summer	5	5040	9.556	0.556	0.5	0.0000	0.0000	FLOOD RISK	1.004	6	-0.5	-0.017	-0.014	0.1621	
10080 minute summer	6	5100	9.556	0.656	3.5	5.4071	0.0000	FLOOD RISK	1.005	7	3.5	0.319	0.072	0.7795	
10080 minute summer	7	5100	9.555	0.805	5.5	3.2829	0.0000	FLOOD RISK	1.006	8	5.5	0.307	0.078	2.4823	
10080 minute summer	8	5040	9.555	1.005	9.6	6.8968	0.0000	FLOOD RISK	1.007	9	9.6	0.295	0.089	5.9230	
10080 minute summer	9	5040	9.554	1.204	16.3	11.7074	0.0000	FLOOD RISK	1.008	10	16.3	0.286	0.069	3.1360	
10080 minute summer	10	5100	9.554	1.254	17.6	2.2229	0.0000	FLOOD RISK	1.009	11	17.6	0.266	0.119	47.8613	
10080 minute summer	11	5100	9.550	1.550	17.6	0.0000	0.0000	FLOOD RISK	1.010	12	17.6	0.152	0.061	53.3278	
10080 minute summer	12	600	7.750	1.000	17.6	0.0000	0.0000	FLOOD RISK	1.011	13	17.6	0.146	0.090	0.2508	
10080 minute summer	13	5100	9.541	0.041	17.6	0.0000	0.0000	OK	1.012	13_OUT	17.6	2.367	0.014	0.0457	
10080 minute summer	13_OUT	10080	8.203	0.569	17.6	0.0000	0.0000	OK	Flow through pond	49	30.5	0.002	0.000	6174.9312	
10080 minute summer	14	5100	9.550	0.250	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.006	-0.006	0.8138	
10080 minute summer	15	5040	9.550	0.464	2.7	3.8757	0.0000	FLOOD RISK	2.001	16	2.7	0.277	0.056	0.9254	
10080 minute summer	16	5040	9.549	0.553	2.7	0.0000	0.0000	FLOOD RISK	2.002	17	2.7	0.294	0.055	0.6329	
10080 minute summer	17	5040	9.549	0.690	4.1	2.1418	0.0000	FLOOD RISK	2.003	18	4.1	0.283	0.052	1.8750	
10080 minute summer	18	5100	9.549	0.868	7.4	5.4601	0.0000	FLOOD RISK	2.004	19	7.4	0.295	0.059	5.4690	
10080 minute summer	19	5100	9.548	1.092	13.1	9.8520	0.0000	FLOOD RISK	2.005	20	13.1	0.254	0.066	4.0628	
10080 minute summer	20	5040	9.548	1.137	13.1	0.0000	0.0000	FLOOD RISK	2.006	21	13.1	0.393	0.086	3.4979	
10080 minute summer	21	5040	9.548	1.178	13.1	0.0000	0.0000	FLOOD RISK	2.007	22	13.1	0.415	0.022	3.7404	
10080 minute summer	22	5040	9.548	1.548	16.8	5.7242	0.0000	FLOOD RISK	2.008	23	16.8	0.101	0.058	53.3017	
10080 minute summer	23	660	7.750	1.000	16.8	0.0000	0.0000	FLOOD RISK	2.009	24	16.8	0.140	0.086	0.2508	
10080 minute summer	24	5100	9.540	0.040	16.8	0.0000	0.0000	OK	2.010	24_OUT	16.8	2.273	0.014	0.0442	
10080 minute summer	24_OUT	10080	8.203	0.569	16.8	0.0000	0.0000	OK	Flow through pond	49	30.5	0.002	0.000	6174.9312	
10080 minute summer	25	4860	8.810	0.014	0.3	0.0087	0.0000	OK	3.000	26	0.3	0.311	0.017	0.0343	
10080 minute summer	26	4860	8.453	0.018	0.8	0.0255	0.0000	OK	3.001	27	0.5	0.399	0.029	0.0469	
									Infiltration		0.1				
10080 minute summer	27	4860	8.133	0.018	0.8	0.0292	0.0000	OK	3.002	28	0.6	0.487	0.029	0.0391	
									Infiltration		0.2				
10080 minute summer	28	4860	7.714	0.019	0.9	0.0244	0.0000	OK	3.003	29	0.8	0.587	0.032	0.0468	
									Infiltration		0.1				
10080 minute summer	29	4860	7.085	0.020	1.1	0.0230	0.0000	OK	3.004	30	1.0	0.728	0.035	0.0091	
									Infiltration		0.1				
10080 minute summer	30	4980	5.839	0.014	1.1	0.0017	0.0000	OK	3.005	31	1.1	0.137	0.060	0.2338	
10080 minute summer	31	5220	6.727	0.032	1.2	0.0038	0.0000	OK	3.006	32	1.0	0.052	0.001	0.4443	
									Infiltration		0.2				
10080 minute summer	32	5220	6.726	0.081	1.1	0.0087	0.0000	OK	3.007	33	-0.1	-0.003	0.000	0.3357	

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								Infiltration		0.4					
								Infiltration		0.7					
10080 minute summer	33	4980	6.777	0.002	0.1	0.0003	0.0000 OK	3.008	34	0.0	0.000	0.000	0.0184		
10080 minute summer	34	4980	6.748	0.003	0.1	0.0004	0.0000 OK	3.009	35	0.1	0.055	0.000	0.0171		
								Infiltration		0.0					
10080 minute summer	35	4980	6.679	0.004	0.2	0.0004	0.0000 OK	3.010	36	0.2	0.012	0.000	0.2791		
								Infiltration		0.0					
10080 minute summer	36	5220	6.578	0.073	0.3	0.0083	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
10080 minute summer	37	4980	6.508	0.003	0.1	0.0003	0.0000 OK	3.012	38	0.1	0.006	0.000	0.5365		
10080 minute summer	38	5220	6.347	0.082	0.7	0.0093	0.0000 OK	3.013	39	-0.5	-0.030	0.000	0.3805		
								Infiltration		0.3					
								Infiltration		0.4					
10080 minute summer	39	4980	6.462	0.007	0.5	0.0009	0.0000 OK	3.014	40	-0.4	-0.130	0.000	0.0461		
								Infiltration		0.0					
10080 minute summer	40	4980	6.701	0.006	0.4	0.0007	0.0000 OK	3.015	41	-0.3	-0.116	0.000	0.0388		
								Infiltration		0.0					
10080 minute summer	41	4980	6.671	0.005	0.3	0.0007	0.0000 OK	3.016	42	-0.2	-0.097	0.000	0.0324		
								Infiltration		0.0					
10080 minute summer	42	4980	7.089	0.004	0.3	0.0005	0.0000 OK	3.017	43	-0.2	-0.084	0.000	0.0319		
								Infiltration		0.0					
10080 minute summer	43	4980	7.150	0.005	0.2	0.0006	0.0000 OK	3.018	44	-0.1	-0.031	0.000	0.0251		
								Infiltration		0.0					
10080 minute summer	44	4980	7.228	0.003	0.1	0.0003	0.0000 OK	3.019	45	0.0	0.023	0.000	0.0202		
10080 minute summer	45	4980	7.199	0.004	0.1	0.0005	0.0000 OK	3.020	46	0.1	0.059	0.000	0.0286		
								Infiltration		0.0					
10080 minute summer	46	4980	7.130	0.005	0.2	0.0005	0.0000 OK	3.021	47	0.2	0.087	0.000	0.4617		
								Infiltration		0.0					
10080 minute summer	47	10320	7.061	0.095	0.3	0.0115	0.0000 OK	3.022	48	0.3	0.058	0.000	1.8562		
								Infiltration		0.1					
10080 minute summer	48	10320	7.061	0.266	0.4	0.0319	0.0000 OK	3.023	53	0.4	0.065	0.001	2.8734		
								Infiltration		0.2					
10080 minute summer	49	10140	8.194	0.194	39.7	2.7528	0.0000 SURCHARGED	Orifice	50	1.5					
								Infiltration		0.0					
10080 minute summer	50	10140	7.427	0.027	1.5	0.0000	0.0000 OK	4.001	51	1.5	0.762	0.068	0.0130		
10080 minute summer	51	10140	7.323	0.023	1.5	0.0000	0.0000 OK	4.002	52	1.5	0.824	0.051	0.0068		
10080 minute summer	52	10140	7.224	0.024	1.5	0.0000	0.0000 OK	4.003	53	1.5	0.793	0.057	0.0044		
10080 minute summer	53	10320	7.061	0.276	1.5	0.0331	0.0000 OK	3.024	54	0.8	0.112	0.000	4.3690		
								Infiltration		0.3					
10080 minute summer	54	10320	7.061	0.436	0.8	0.0523	0.0000 OK	3.025	54_OUT	0.5	0.013	0.000	7.4414		
								Infiltration		0.4					
10080 minute summer	54_OUT	10320	7.061	0.556	0.6	0.0667	0.0000 OK	Infiltration		0.5					
10080 minute summer	55	5040	8.463	0.017	0.2	0.0058	0.0000 OK	5.000	56	0.2	0.154	0.027	0.0182		
10080 minute summer	56	5040	8.433	0.017	0.4	0.0280	0.0000 OK	5.001	57	0.3	0.228	0.027	0.0312		

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								Infiltration		0.1					
10080 minute summer	57	5040	8.335	0.025	0.5	0.0250	0.0000 OK	S.002	S8	0.5	0.238	0.059	0.0654		
								Infiltration		0.1					
10080 minute summer	58	5160	8.274	0.029	0.7	0.0633	0.0000 OK	S.003	S9	0.5	0.250	0.071	0.1081		
								Infiltration		0.2					
10080 minute summer	59	5160	8.271	0.086	0.7	0.2941	0.0000 OK	S.004	S0	0.5	0.041	0.001	1.5104		
								Infiltration		0.3					
10080 minute summer	S0	5160	8.271	0.086	0.7	0.0291	0.0000 OK	S.005	S1	0.3	0.026	0.000	3.0781		
								Infiltration		0.3					
10080 minute summer	S1	5160	8.271	0.135	0.5	0.0457	0.0000 OK	S.006	S2	0.0	0.000	0.000	0.0000		
								Infiltration		0.4					
10080 minute summer	S2	5100	8.142	0.008	0.2	0.0019	0.0000 OK	S.007	S3	0.2	0.040	0.000	2.4165		
10080 minute summer	S3	5160	7.952	0.118	0.4	0.0394	0.0000 OK	S.008	S3_OUT	0.1	0.014	0.000	2.4632		
								Infiltration		0.2					
10080 minute summer	S3_OUT	5160	7.952	0.187	0.3	0.0635	0.0000 OK	Infiltration		0.3					
10080 minute summer	S4	5580	6.351	0.168	0.1	0.0268	0.0000 OK	S.000	S5	0.1	0.024	0.000	1.4352		
10080 minute summer	S5	5580	6.351	0.228	0.2	0.0362	0.0000 OK	S.001	S6	0.1	0.005	0.000	2.1678		
								Infiltration		0.1					
10080 minute summer	S6	5580	6.351	0.258	0.2	0.0408	0.0000 OK	S.002	S7	0.0	0.002	0.000	1.2984		
								Infiltration		0.2					
10080 minute summer	S7	5580	6.351	0.275	0.1	0.0427	0.0000 OK	S.003	S8	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
10080 minute summer	S8	4620	6.079	0.003	0.1	0.0004	0.0000 OK	S.004	S9	0.1	0.009	0.000	2.1932		
10080 minute summer	S9	5580	5.980	0.215	0.2	0.0344	0.0000 OK	S.005	T0	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
10080 minute summer	T0	5580	5.792	0.037	0.1	0.0060	0.0000 OK	S.006	T1	0.1	0.014	0.000	0.3923		
10080 minute summer	T1	5580	5.792	0.107	0.2	0.0172	0.0000 OK	S.007	T2	0.1	0.006	0.000	1.6044		
								Infiltration		0.1					
10080 minute summer	T2	5580	5.792	0.107	0.2	0.0172	0.0000 OK	S.008	T3	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
10080 minute summer	T3	5580	6.046	0.341	0.1	0.0548	0.0000 OK	S.009	T4	0.1	0.013	0.000	1.7188		
10080 minute summer	T4	5580	6.046	0.341	0.2	0.0548	0.0000 OK	S.010	T5	0.1	0.019	0.000	1.9463		
								Infiltration		0.1					
10080 minute summer	T5	5580	6.046	0.341	0.2	0.0548	0.0000 OK	S.011	T6	0.1	0.006	0.000	2.1430		
								Infiltration		0.1					
10080 minute summer	T6	5580	6.046	0.411	0.2	0.0625	0.0000 OK	S.012	T6_OUT	0.1	0.001	0.000	2.2739		
								Infiltration		0.1					
10080 minute summer	T6_OUT	5580	6.046	0.411	0.2	0.0658	0.0000 OK	Infiltration		0.1					

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Results for 1000 year 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 98.88%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	1	5100	9.543	0.243	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.007	-0.006	0.4653	
10080 minute winter	2	5100	9.543	0.293	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.014	-0.020	1.1284	
10080 minute winter	3	4980	9.543	0.393	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.025	-0.025	0.4988	
10080 minute winter	4	4980	9.543	0.443	0.6	0.0000	0.0000	FLOOD RISK	1.003	5	-0.6	-0.021	-0.025	0.8441	
10080 minute winter	5	4980	9.543	0.543	0.6	0.0000	0.0000	FLOOD RISK	1.004	6	-0.6	-0.026	-0.017	0.1621	
10080 minute winter	6	5040	9.543	0.643	2.5	5.3012	0.0000	FLOOD RISK	1.005	7	2.5	0.340	0.052	0.7795	
10080 minute winter	7	5040	9.543	0.793	4.0	3.2314	0.0000	FLOOD RISK	1.006	8	4.0	0.336	0.057	2.4923	
10080 minute winter	8	4980	9.542	0.992	6.9	6.8123	0.0000	FLOOD RISK	1.007	9	6.9	0.334	0.064	5.9230	
10080 minute winter	9	5100	9.542	1.192	11.7	11.5915	0.0000	FLOOD RISK	1.008	10	11.7	0.306	0.049	3.1360	
10080 minute winter	10	5100	9.542	1.242	12.6	2.2020	0.0000	FLOOD RISK	1.009	11	12.6	0.267	0.085	47.8613	
10080 minute winter	11	5100	9.540	1.540	12.6	0.0000	0.0000	FLOOD RISK	1.010	12	12.6	0.146	0.044	53.3278	
10080 minute winter	12	720	7.750	1.000	12.6	0.0000	0.0000	FLOOD RISK	1.011	13	12.6	0.106	0.064	0.2490	
10080 minute winter	13	5040	9.535	0.035	12.6	0.0000	0.0000	OK	1.012	13_OUT	12.6	2.077	0.010	0.0363	
10080 minute winter	13_OUT	9780	8.283	0.748	12.5	0.0000	0.0000	OK	Flow through pond	49	43.3	0.002	0.000	8938.0778	
10080 minute winter	14	4980	9.540	0.240	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.009	-0.007	0.8136	
10080 minute winter	15	5100	9.540	0.454	1.9	3.5964	0.0000	FLOOD RISK	2.001	16	1.9	0.277	0.039	0.9254	
10080 minute winter	16	4980	9.540	0.549	1.9	0.0000	0.0000	FLOOD RISK	2.002	17	1.9	0.294	0.039	0.6320	
10080 minute winter	17	4980	9.539	0.650	2.9	2.1114	0.0000	FLOOD RISK	2.003	18	2.9	0.305	0.037	1.8750	
10080 minute winter	18	4980	9.538	0.858	5.3	5.3996	0.0000	FLOOD RISK	2.004	19	5.3	0.322	0.042	5.4890	
10080 minute winter	19	5100	9.539	1.083	9.4	9.7873	0.0000	FLOOD RISK	2.005	20	9.4	0.309	0.048	4.0626	
10080 minute winter	20	5100	9.539	1.128	9.4	0.0000	0.0000	FLOOD RISK	2.006	21	9.4	0.427	0.048	3.4979	
10080 minute winter	21	4980	9.538	1.157	9.4	0.0000	0.0000	FLOOD RISK	2.007	22	9.4	0.483	0.016	3.7404	
10080 minute winter	22	4980	9.538	1.539	12.1	6.6845	0.0000	FLOOD RISK	2.008	23	12.1	0.179	0.042	53.3017	
10080 minute winter	23	720	7.750	1.000	12.1	0.0000	0.0000	FLOOD RISK	2.009	24	12.1	0.102	0.062	0.2490	
10080 minute winter	24	5100	9.535	0.035	12.1	0.0000	0.0000	OK	2.010	24_OUT	12.1	2.052	0.010	0.0353	
10080 minute winter	24_OUT	9780	8.282	0.749	12.5	0.0000	0.0000	OK	Flow through pond	49	43.3	0.002	0.000	8938.0778	
10080 minute winter	25	4080	8.867	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.282	0.011	0.0253	
10080 minute winter	26	4080	8.449	0.014	0.4	0.0183	0.0000	OK	3.001	27	0.3	0.351	0.018	0.0327	
									Infiltration		0.1				
10080 minute winter	27	4080	8.128	0.014	0.5	0.0260	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0273	
									Infiltration		0.1				
10080 minute winter	28	4080	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.503	0.018	0.0328	
									Infiltration		0.1				
10080 minute winter	29	4080	7.080	0.015	0.7	0.0162	0.0000	OK	3.004	30	0.6	0.628	0.021	0.0084	
									Infiltration		0.1				
10080 minute winter	30	4080	6.835	0.010	0.6	0.0012	0.0000	OK	3.005	31	0.5	0.113	0.000	0.1012	
10080 minute winter	31	4080	6.706	0.011	0.6	0.0013	0.0000	OK	3.006	32	0.5	0.052	0.000	0.1504	
									Infiltration		0.1				
10080 minute winter	32	4200	6.675	0.030	0.5	0.0037	0.0000	OK	3.007	33	0.0	0.000	0.000	0.1128	

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								Infiltration		0.1					
								Infiltration		0.4					
10080 minute winter	33	60	6.775	0.000	0.0	0.0000	0.0000 OK	3.008	34	0.0	0.000	0.000	0.0002		
10080 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000 OK	3.009	35	0.0	0.000	0.000	0.0002		
								Infiltration		0.0					
10080 minute winter	35	60	6.675	0.000	0.0	0.0000	0.0000 OK	3.010	36	0.0	0.000	0.000	0.0002		
								Infiltration		0.0					
10080 minute winter	36	60	6.595	0.000	0.0	0.0000	0.0000 OK	3.011	37	0.0	0.000	0.000	0.0000		
								Infiltration		0.0					
10080 minute winter	37	60	6.595	0.000	0.0	0.0000	0.0000 OK	3.012	38	0.0	0.000	0.000	0.0003		
10080 minute winter	38	60	6.265	0.000	0.0	0.0000	0.0000 OK	3.013	39	0.0	0.000	0.000	0.0002		
								Infiltration		0.0					
								Infiltration		0.0					
10080 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000 OK	3.014	40	0.0	0.000	0.000	0.0002		
								Infiltration		0.0					
10080 minute winter	40	60	6.695	0.000	0.0	0.0000	0.0000 OK	3.015	41	0.0	0.000	0.000	0.0002		
								Infiltration		0.0					
10080 minute winter	41	60	6.865	0.000	0.0	0.0000	0.0000 OK	3.016	42	0.0	0.000	0.000	0.0002		
								Infiltration		0.0					
10080 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000 OK	3.017	43	0.0	0.000	0.000	0.0002		
								Infiltration		0.0					
10080 minute winter	43	60	7.145	0.000	0.0	0.0000	0.0000 OK	3.018	44	0.0	0.000	0.000	0.0002		
								Infiltration		0.0					
10080 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000 OK	3.019	45	0.0	0.000	0.000	0.0002		
10080 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000 OK	3.020	46	0.0	0.000	0.000	0.0434		
								Infiltration		0.0					
10080 minute winter	46	10200	7.138	0.013	0.0	0.0015	0.0000 OK	3.021	47	0.0	0.000	0.000	0.8620		
								Infiltration		0.0					
10080 minute winter	47	10200	7.138	0.173	0.2	0.0207	0.0000 OK	3.022	48	-0.2	-0.001	0.000	2.8815		
								Infiltration		0.2					
10080 minute winter	48	10200	7.138	0.343	0.5	0.0411	0.0000 OK	3.023	50	-0.5	-0.010	-0.001	4.0548		
								Infiltration		0.3					
10080 minute winter	49	9900	8.275	0.275	46.6	3.8941	0.0000 SURCHARGED	Office	50	1.8					
								Infiltration		0.0					
10080 minute winter	50	9900	7.428	0.029	1.8	0.0000	0.0000 OK	4.001	51	1.8	0.807	0.062	0.0149		
10080 minute winter	51	9960	7.325	0.025	1.8	0.0000	0.0000 OK	4.002	52	1.8	0.872	0.061	0.0078		
10080 minute winter	52	9960	7.227	0.027	1.8	0.0000	0.0000 OK	4.003	53	1.8	0.839	0.058	0.0050		
10080 minute winter	53	10200	7.138	0.353	1.8	0.0423	0.0000 OK	3.024	54	0.9	0.103	0.000	5.7587		
								Infiltration		0.3					
10080 minute winter	54	10200	7.138	0.513	0.9	0.0615	0.0000 OK	3.025	54_OUT	0.5	0.012	0.000	9.2431		
								Infiltration		0.4					
10080 minute winter	54_OUT	10200	7.138	0.633	0.5	0.0759	0.0000 OK	Infiltration		0.5					
10080 minute winter	55	3360	8.459	0.013	0.1	0.0043	0.0000 OK	5.000	56	0.1	0.150	0.014	0.0111		
10080 minute winter	56	3360	8.428	0.012	0.2	0.0148	0.0000 OK	5.001	57	0.2	0.162	0.012	0.0180		

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								Infiltration		0.0					
10080 minute winter	57	3360	8.327	0.017	0.3	0.0136	0.0000 OK	5.002	58	0.2	0.177	0.027	0.0378		
								Infiltration		0.0					
10080 minute winter	58	3480	8.265	0.020	0.3	0.0326	0.0000 OK	5.003	59	0.2	0.209	0.028	0.0224		
								Infiltration		0.1					
10080 minute winter	59	3360	8.217	0.012	0.3	0.0157	0.0000 OK	5.004	60	0.2	0.041	0.000	0.3361		
								Infiltration		0.1					
10080 minute winter	60	5040	8.210	0.025	0.3	0.0087	0.0000 OK	5.005	61	0.3	0.026	0.000	1.2742		
								Infiltration		0.1					
10080 minute winter	61	5100	8.210	0.074	0.4	0.0253	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000		
								Infiltration		0.3					
10080 minute winter	62	3420	8.140	0.004	0.1	0.0013	0.0000 OK	5.007	63	0.1	0.040	0.000	1.1175		
10080 minute winter	63	6840	7.894	0.058	0.2	0.0198	0.0000 OK	5.008	63_OUT	0.1	0.014	0.000	1.4024		
								Infiltration		0.1					
10080 minute winter	63_OUT	6660	7.894	0.129	0.2	0.0439	0.0000 OK	Infiltration		0.2					
10080 minute winter	64	5520	6.344	0.159	0.1	0.0255	0.0000 OK	6.000	65	0.1	0.024	0.000	1.3691		
10080 minute winter	65	5520	6.344	0.219	0.2	0.0351	0.0000 OK	6.001	66	0.1	0.005	0.000	2.0835		
								Infiltration		0.1					
10080 minute winter	66	5520	6.344	0.251	0.2	0.0397	0.0000 OK	6.002	67	0.0	0.002	0.000	1.2518		
								Infiltration		0.2					
10080 minute winter	67	5520	6.344	0.268	0.1	0.0415	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000		
								Infiltration		0.1					
10080 minute winter	68	4680	6.079	0.003	0.1	0.0004	0.0000 OK	6.004	69	0.1	0.009	0.000	2.1837		
10080 minute winter	69	5520	5.978	0.214	0.2	0.0343	0.0000 OK	6.005	70	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
10080 minute winter	70	5520	5.791	0.036	0.1	0.0057	0.0000 OK	6.006	71	0.1	0.014	0.000	0.3823		
10080 minute winter	71	5520	5.791	0.106	0.2	0.0169	0.0000 OK	6.007	72	0.1	0.006	0.000	1.5745		
								Infiltration		0.1					
10080 minute winter	72	5520	5.791	0.106	0.2	0.0169	0.0000 OK	6.008	73	0.0	0.000	0.000	0.0000		
								Infiltration		0.2					
10080 minute winter	73	5520	6.032	0.327	0.1	0.0524	0.0000 OK	6.009	74	0.1	0.013	0.000	1.6215		
10080 minute winter	74	5520	6.032	0.327	0.2	0.0524	0.0000 OK	6.010	75	0.1	0.019	0.000	1.8361		
								Infiltration		0.1					
10080 minute winter	75	5520	6.032	0.327	0.2	0.0524	0.0000 OK	6.011	76	0.1	0.006	0.000	2.0315		
								Infiltration		0.1					
10080 minute winter	76	5520	6.032	0.397	0.2	0.0604	0.0000 OK	6.012	76_OUT	0.1	0.001	0.000	2.1835		
								Infiltration		0.1					
10080 minute winter	76_OUT	5520	6.032	0.397	0.2	0.0638	0.0000 OK	Infiltration		0.1					

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