

Nationwide Produce - Spalding

Proposed Agricultural Development,
Cowper's Gate, Long Sutton,
South Holland, Lincolnshire, PE12 9AY

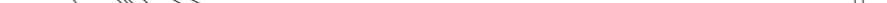
Drainage & Maintenance Strategy

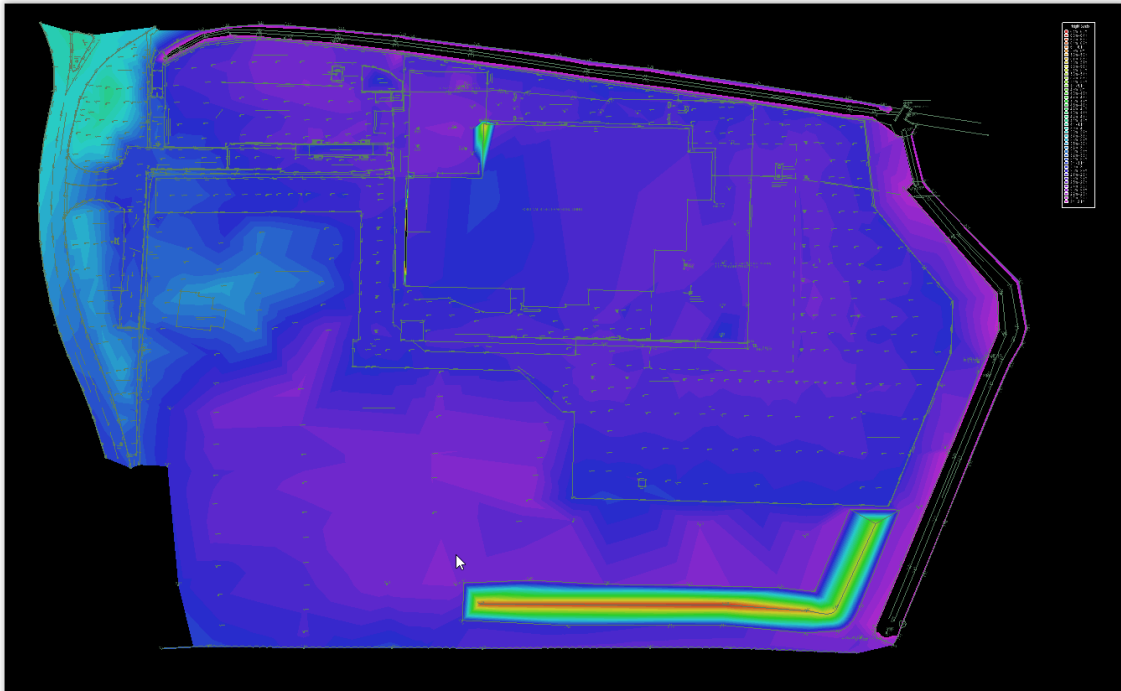
27th January 2025

T. R. Stafford
Senior Partner

Further to instruction from Nationwide Produce - Spalding, Stafford

This site [edged Red & Blue] is approximately 3.739ha and sits to the south of

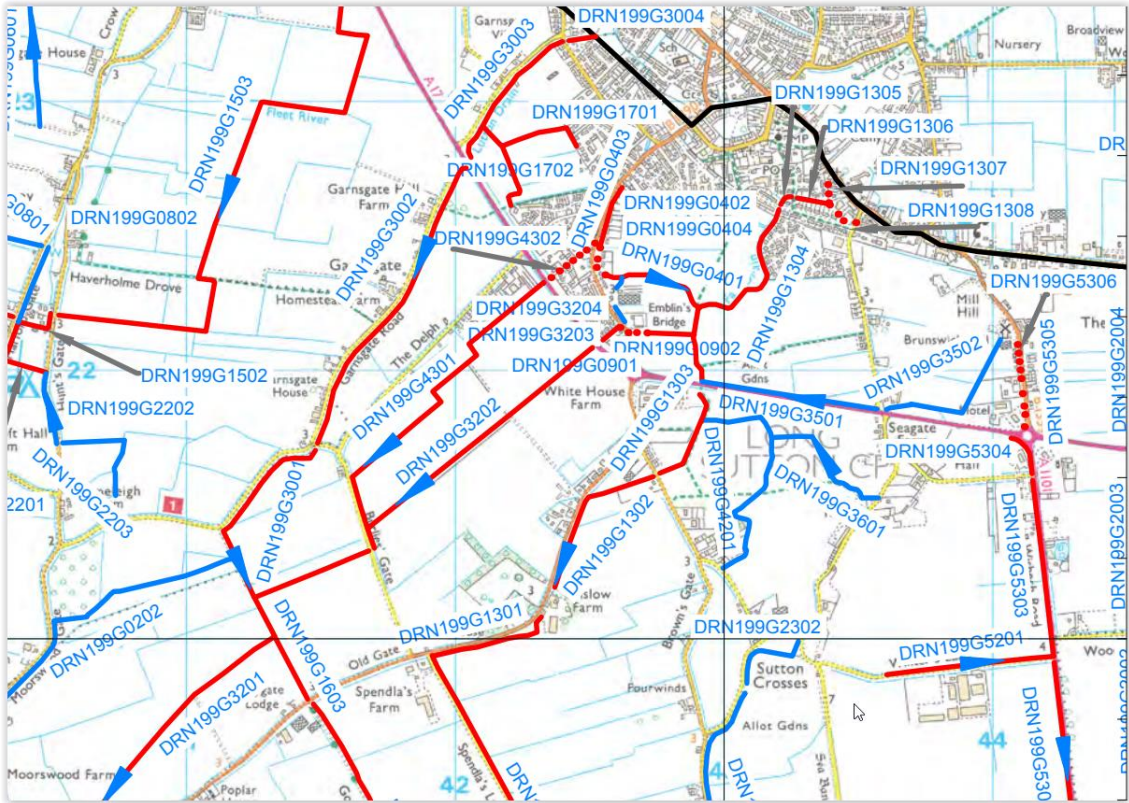




Coloured survey level drawing of existing site [100mm intervals]

The site falls slightly from west to east from around 3.0 to 2.4mOD.
The development areas are between 2.8 & 2.5mOD with very slight gradients.

Continued



The site is within the South Holland IDB area and the existing and proposed surface water discharge from the site will be directed into the High Priority watercourse H13 Falls Drain [DRN199G1303] running south along the eastern site boundary.

Continued

As the processes being undertaken inside the existing and proposed buildings need a level floor, Finished Floor Levels [FFL's] need to be identical to the existing site so there will be no raising of slab or ground levels.

SURFACE WATER DISPOSAL

The soils have no soakage potential.
Percolation is therefore not an option.

The SHIDB watercourse on the eastern boundary of the site falls to the south.

The lowest ditch bed level is 0.36mOD at the southern end of the watercourse. We propose, with IDB approval, to put the site outfall in this location.

Connection to the ditch +300mm up, i.e. 0.66mOD will make the bed of the pond 0.78mOD, with the top of the banks at natural ground level at 2.5mOD so it is capable of holding a 1m depth of water with a minimum of 720mm of freeboard.

This is 420mm more than would normally be allowed to enable the existing and proposed drainage to have sufficient gradients from all areas of the site to the pond. Cover over some of these systems will be minimal.

Where possible, the new surface areas will be permeable or drain to swales that discharge to the pond. Roof runoff will be piped to the ponds directly or into the permeable sub-base if available as this is considered clean runoff.

Any permeable pavements will have granular sub-base providing SuDs source control and storage utilising a 30% void ratio aggregate.

These permeable pavements will be lined to form a tank[s].

Greenfield runoff values for QBar result in a 5.48l/s discharge rate.
See attached HR Wallingford Greenfield runoff calcs.

IDB requirements are that we discharge no more than 1.4l/s/ha and as the site is 3.739ha this would be 5.23l/s.

The calculations are based on 5l/s, which is generally considered as the minimum discharge rate to ensure that controls operate correctly with no undue blockages.

The pond indicated on the drawings is sized to suite the 100yr+40% climate change event and can provide 2,107cum of attenuation at 1m depth.

Continued

The impermeable areas add up to 19,093sqm [not including urban creep]

The discharge point will be removed, as will the temporary discharge point, permission for which was obtained on 6th August 2024 and the new system will cater for the whole of the site with all areas passing through the pond and single outfall control.

FOUL WATER DISPOSAL

There is an existing private foul system on the north side of the site, any new foul water facilities to the south will be connected to the Anglian Water sewer to east of the site using a pumping station.

As commercial sites usually have very little by way of foul water discharge, there should be no capacity issues, but any increase in flows will be advised to Anglian Water using a S106 application.

Continued

MAINTENANCE STRATEGY

Maintenance Responsibility

1. All pipes, manholes, swales, ponds, and underdrains will be maintained by the owner occupier.
2. The existing open watercourse to the east will continue to be maintained by South Holland IDB.

Recommended Private Area Maintenance Requirements

Proposed Permeable access areas

All permeable areas are to be swept quarterly to clear leaves and to ensure they are clean, tidy, and free from dust and debris.

At times of sweeping, inspections to take place to assess any damage to road, kerbs, lighting etc., and any maintenance carried out to ensure user safety is maintained.

Areas of permeable paving are to be maintained in accordance with CIRIA guidelines.

It should be noted that vacuum sweeping of any blockwork drives should not be carried out unless it is proposed to immediately replace the grit removed from between the blocks.

Any grit loss should immediately be replaced to prevent deterioration of the surface courses.

Existing Non-Permeable access areas

It is also recommended that these areas and their attendant drainage systems are also regularly cleaned and checked for blockages.

Continued

General Drainage Areas

A system of regular inspections should be established. Initially these inspections should be carried out in October and March, however, this may be modified to suit observations over time.

Items to be observed and cleared are high levels of grit, leaves, and other such detritus.

The main aim of these inspections will be to prevent siltation of the surface water system, which, if allowed to develop will reduce the effectiveness of the system and may, over time, reduce the attenuation volumes provided.

The following elements should be inspected and cleaned as part of this preventative routine:

Chambers, particularly catchpits

Headwalls and control chambers

Gullies and channels

Landscape

Generally, watercourses and ponds should be cut and maintained regularly so that grass remains reasonably short, chambers and headwalls to be always kept free of silt and debris. Maintenance of the ditch is NOT to be carried out if it is full or if the depth of standing water in the main channel exceeds 300mm.

Please refer to schedules below.

Additional Maintenance Requirements

It is suggested that all new employees are informed of the use and function of the surface water system at induction.

No loose materials such as soils or sand etc. shall be stockpiled directly on the permeable blockwork areas.

It is further recommended that the 'Bag it and Bin it' leaflet is handed to new employees to ensure unsuitable items are not flushed into the foul drainage system.

Continued

Operation and Maintenance Requirements for Permeable Pavements [CIRIA]

TABLE 20.15 Operation and maintenance requirements for pervious pavements

Maintenance schedule	Required action	Typical frequency
Regular maintenance	Brushing and vacuuming (standard cosmetic sweep over whole surface)	Once a year, after autumn leaf fall, or reduced frequency as required, based on site-specific observations of clogging or manufacturer's recommendations – pay particular attention to areas where water runs onto pervious surface from adjacent impermeable areas as this area is most likely to collect the most sediment
Occasional maintenance	Stabilise and mow contributing and adjacent areas	As required
	Removal of weeds or management using glyphosate applied directly into the weeds by an applicator rather than spraying	As required – once per year on less frequently used pavements
Remedial Actions	Remediate any landscaping which, through vegetation maintenance or soil slip, has been raised to within 50 mm of the level of the paving	As required
	Remedial work to any depressions, rutting and cracked or broken blocks considered detrimental to the structural performance or a hazard to users, and replace lost jointing material	As required
	Rehabilitation of surface and upper substructure by remedial sweeping	Every 10 to 15 years or as required (if infiltration performance is reduced due to significant clogging)
Monitoring	Initial inspection	Monthly for three months after installation
	Inspect for evidence of poor operation and/or weed growth – if required, take remedial action	Three-monthly, 48 h after large storms in first six months
	Inspect silt accumulation rates and establish appropriate brushing frequencies	Annually
	Monitor inspection chambers	Annually



Operation and Maintenance Requirements for Detention Basins [CIRIA]

TABLE 22.1 Operation and maintenance requirements for detention basins		
Maintenance schedule	Required action	Typical frequency
Regular maintenance	Remove litter and debris	Monthly
	Cut grass – for spillways and access routes	Monthly (during growing season), or as required
	Cut grass – meadow grass in and around basin	Half yearly (spring – before nesting season, and autumn)
	Manage other vegetation and remove nuisance plants	Monthly (at start, then as required)
	Inspect inlets, outlets and overflows for blockages, and clear if required.	Monthly
	Inspect banksides, structures, pipework etc for evidence of physical damage	Monthly
	Inspect inlets and facility surface for silt accumulation. Establish appropriate silt removal frequencies.	Monthly (for first year), then annually or as required
	Check any penstocks and other mechanical devices	Annually
	Tidy all dead growth before start of growing season	Annually
	Remove sediment from inlets, outlet and forebay	Annually (or as required)
	Manage wetland plants in outlet pool – where provided	Annually (as set out in Chapter 23)
Occasional maintenance	Reseed areas of poor vegetation growth	As required
	Prune and trim any trees and remove cuttings	Every 2 years, or as required
	Remove sediment from inlets, outlets, forebay and main basin when required	Every 5 years, or as required (likely to be minimal requirements where effective upstream source control is provided)
Remedial actions	Repair erosion or other damage by reseeding or re-turfing	As required
	Realignment of rip-rap	As required
	Repair/rehabilitation of inlets, outlets and overflows	As required
	Relevel uneven surfaces and reinstate design levels	As required

Operation and Maintenance Requirements for Swales [CIRIA]

TABLE 17.1 Operation and maintenance requirements for swales

Maintenance schedule	Required action	Typical frequency
Regular maintenance	Remove litter and debris	Monthly, or as required
	Cut grass – to retain grass height within specified design range	Monthly (during growing season), or as required
	Manage other vegetation and remove nuisance plants	Monthly at start, then as required
	Inspect inlets, outlets and overflows for blockages, and clear if required	Monthly
	Inspect infiltration surfaces for ponding, compaction, silt accumulation, record areas where water is ponding for > 48 hours	Monthly, or when required
	Inspect vegetation coverage	Monthly for 6 months, quarterly for 2 years, then half yearly
	Inspect inlets and facility surface for silt accumulation, establish appropriate silt removal frequencies	Half yearly
Occasional maintenance	Reseed areas of poor vegetation growth, alter plant types to better suit conditions, if required	As required or if bare soil is exposed over 10% or more of the swale treatment area
Remedial actions	Repair erosion or other damage by re-turfing or reseeded	As required
	Relevel uneven surfaces and reinstate design levels	As required
	Scarify and spike topsoil layer to improve infiltration performance, break up silt deposits and prevent compaction of the soil surface	As required
	Remove build-up of sediment on upstream gravel trench, flow spreader or at top of filter strip	As required
	Remove and dispose of oils or petrol residues using safe standard practices	As required

Operation and Maintenance Requirements for Receiving Ordinary Watercourse

Maintenance Schedule	Required Action	Typical Frequency
Regular Maintenance	Walkover inspection of receiving ordinary watercourse	6 monthly (or as required)
	Maintenance dredge the receiving ordinary watercourse from the Control headwall Weir to the confluence with the main channel to remove silt build up and restore design bed level	First maintenance dredge on completion of SuDS swales and then 5-yearly (or as required)
	Vegetation is to be cut annually as a minimum.	Annually

**9059-107 DRAINAGE PLAN
9059-109-1 DRAINAGE AREAS**

FEEDBACK: This drawing is one of a series that have been prepared to define the civil element of the development. If this, or any, drawing in the series could be improved to better communicate the proposed design please do not hesitate to contact Stafford IE.



NOTES:

All dimensions must be checked on site and not scaled from this drawing.

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PRIVATE DRAINAGE NOTES:

Pipework to be 110mm dia. PVC-U Hepworth PlastDrain or similar approved, unless otherwise stated.

Generally laid to falls of 1:50 on the foul drain and 1:60 on the surface water drain, minimum 1:80 on both.

160mm dia. pipework to be laid at a min. fall of 1:130.

The Specification and installation of the drainage systems are to comply with the Building Regulations Approved Document H & British Standard 8301 Building Drainage current at the time of construction and also the manufacturers recommendations. All connections are to be soffit to soffit.

- House Type
FFL Level
- Foul (Mini chamber <0.6m [1 side connection])
Foul (PPIC chamber <1.2m [2 side connections])
Foul (Telescopic PPIC Chamber 1.2-3.0m)
Foul (Tegra Chamber 1.20-5.0m)
Surface (Mini chamber <0.6m [1 side connection])
Surface (PPIC chamber <1.2m [2 side connections])
Surface (Telescopic PPIC Chamber 1.2-3.0m)
Surface (Tegra Chamber 1.20-5.0m)
Backdrop on SW Chamber
Backdrop on FW Chamber
FW MH with invert level
SW MH with invert level
Rodding eye with Invert Level
Soil vent pipe [SVP]
Rainwater outlet [RWP]
Trench soakaway [ED=Effective Depth]
i.e. depth of trench below lowest invert.
Dished drainage channel with gully.
ACO channel or similar.
Permeable Drives; Base gradients generally 1:500 or 1:1000 for longer drives
Distribution diffuser grate with invert level.
Gully
Road Gully [with 150mm dia. lateral]

Cover levels generally to be 150mm below slab levels.

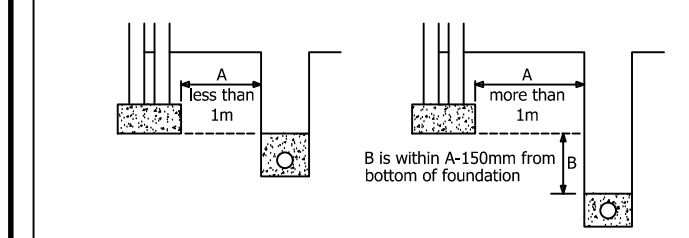
Private pipework under adopted areas to be laid as min. 150mm dia. Extra Strength Clayware at minimum fall of 1:130.

Pipework under drives and other areas likely to be trafficked shall be backfilled with Type 2 material. Where depth of cover less than 900mm pipe to have 175mm thick reinforced [A393] concrete slab over. Both treatments to extend a minimum of 1m behind kerb-face.

Foul sewers serving more than 10 dwellings should have a minimum diameter of 150mm.

A Soil Vent Pipe [SVP] must be added at the head of any foul drainage system. Air Admittance Valves [AAV] can be used in other locations if required.

Please Note: Where the bottom of a drainage trench is below foundation level, the trench should be filled with concrete as shown below.



Date	Revisions

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Job Title
Cowper's Gate
Long Sutton
Spalding
Lincolnshire
PE12 9AY

Drawing Title
Drainage Strategy Plan

Date JAN 2025 Scale @ A1 1:500 Drawn IAC/TRS

Drg.No. 9059-107 Rev. -

0 10 20 30 40
METRES @ 1:500

- Area of existing roofs
Area of existing drives
Area of proposed roofs
Area of proposed concrete
Area piped to temp connection

- UPVC PIPES SHALL BE BEDDED ON CLASS P BEDDING UNLESS COVER IS LESS THAN 1.2m IN TRAFFICKED AREAS, THEN CLASS Q BEDDING.
- BACKFILL TO TRENCHES TO BE TYPE 1 GRANULAR MATERIAL UNDER HARDSTANDINGS AND ROADS.
- ALL MANHOLE AND DRAINAGE CHANNEL COVERS SHALL COMPLY WITH BS EN124. MANHOLE COVERS WITHIN BLOCK PAVED AREAS & BUILDINGS SHALL BE RECESSED. COVER STRENGTHS TO BE:
CLASS E600 IN AREAS SUBJECT TO HIGH POINT LOADS (E.G. FORK LIFTS)
CLASS D400 IN HEAVY TRAFFICKED AREAS (ACCESS ROADS, SERVICE YARDS ETC.).
CLASS C250 IN LIGHTLY TRAFFICKED AREAS (CAR PARKS ETC.).
CLASS B125 (WITH MIN. 100mm DEEP FRAME) IN LANDSCAPE & NON-TRAFFICKED AREAS (PLANTING, PEDESTRIAN AREAS ETC.).
- FOR DETAILS OF MANHOLE TYPES AND PIPE BEDDING ETC., SEE STANDARD DETAIL DRAWING(S).
- THE CONTRACTOR IS TO PROTECT EXISTING BURIED PIPES (PARTICULARLY SHALLOW PIPES) AND TREE ROOTS FROM DAMAGE CAUSED BY LOADS IMPOSED BY CONSTRUCTION PLANT.

SURVEY DATA:

The data used for the computation of horizontal & vertical control for this survey was recorded using survey grade GPS receivers and corrected data from Trimble.
VRS Services using Geoid model OSTN15 with OSGM 15.
Station establishment was carried out in accordance with best practice guidelines issued by The Survey Association.

Survey Station Coordinates:

a	542926.579	321856.221	2.710
b	542853.560	321860.286	2.698
mdsc	542855.190	321922.595	2.451
mdsd	542778.769	321934.164	2.445
mdse	542721.687	321935.342	2.368
gp1	542893.183	321777.792	2.603
gp2	542831.055	321860.952	2.668

Data taken from M.D Surveys drawing ref MDS-APG 001-A

PRINCIPAL OUTSTANDING HAZARDS

This schedule is provided to assist the principle contractor to determine appropriate working practices & plant requirements during the construction phase & should be included in the Health & Safety Plan File.

The schedule indicates the principle hazards that could not be wholly eliminated during the design phase or that are inherent in the layout of the construction.

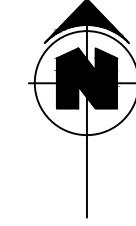
This schedule should not be considered as an exhaustive list of hazards. It has been assumed an appropriately experienced contractor with a fully trained labour force will be appointed to carry out the work. Hazards implicit in the nature of construction (safe use of tools/plant & appropriate PPE) are assumed. Compliance with relevant legislation (Health and Safety at Work Act etc.) has been assumed.

The notes given here relate to work shown on this drawing ONLY - (Please note that other items may occur on other drawings.)

Ref. No.	IDENTIFIED HAZARD
	DRAINAGE WORKS
1.	DRAIN LAYING AND ASSOCIATED WORKS IS REQUIRED TO BE UNDERTAKEN IN OPEN EXCAVATIONS AND STABILITY OF TRENCHES PRESENTS POTENTIAL COLLAPSE HAZARD - TRENCH SUPPORT REQUIRED - PROTECTION/BARRIERS REQD.
2.	OPEN TRENCHES PRESENT HAZARD OF FALLING TO PERSONNEL AND PLANT - PROTECTION/BARRIERS REQD.
3.	SOME WORK REQUIRED ON EXISTING, LIVE DRAINAGE - HAZARD OF CONTAMINATION/ STORM FLOWS - PPE REQUIRED/ WORK TO BE CARRIED OUT BY EXPERIENCED PERSONNEL
4.	EXCAVATED MATERIALS POTENTIALLY CONTAMINATED (FILL) - REFER TO SITE INVESTIGATION INFO.
5.	HEAVY DRAINAGE COMPONENTS ARE SPECIFIED - SUITABLE LIFTING EQUIPMENT REQUIRED
6.	CEMENTITIOUS MATERIALS REQUIRED - HAZARD OF CONTACT WITH AGGRESSIVE MATERIALS
7.	WORKS REQUIRED IN ACTIVE HIGHWAYS - SUITABLE TRAFFIC CONTROL REQUIRED
8.	WORK IN POTENTIALLY CONFINED SPACES (MANHOLES) - COMPLETE MHS BEFORE INSTALLING COVER SLABS - USE EXPERIENCED PERSONNEL

All surface water from all sources to be directed to the pond

PRELIMINARY
DRAWING

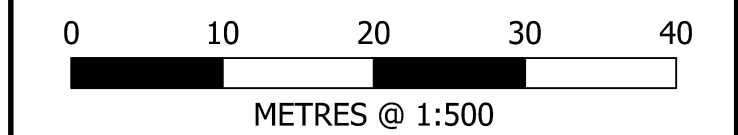


NOTES:
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Anglian Water Notes
All 5.104 adoptable drainage shall conform to the Design and construction guidance for foul and surface sewers offered for adoption under the Code for adoption agreements for water and sewerage companies operating wholly or mainly in England.
All covers and frames on adoptable AW sewers are to be D400, kitemarked and be badged 'FW' or 'SW' accordingly. Suppliers shall be Stanton, Paul Savage, Norinco or Wrekin.
Adoptable pipework shall be to the following specification:
Clayware: BS EN 295-1 and BS65
150 dia. Crushing Strength 34kN/m
225 dia. Class 160
Concrete: BS EN 1916 and BS 5911-1
≥300 dia. Class 120

**PRELIMINARY
DRAWING**



Date	Revisions

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Job Title
Cowper's Gate
Long Sutton
Spalding
Lincolnshire
PE12 9AY

Drawing Title
Drainage Areas
Flow SWS Calculations

Date	JAN 2025	Scale @ A1	1:500	Drawn	IAC/TRS
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Drg.No.	9059-109-1	Rev.	-
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All surface water from
all sources to be
directed to the pond

**HR Wallingford
Greenfield Runoff Calculations
&
Surface Water Calculations**

Calculated by:	Terence Stafford
Site name:	Cowper's Gate
Site location:	Long Sutton

This is an estimation of the greenfield runoff rates that are used to meet normal best practice criteria in line with Environment Agency guidance "Rainfall runoff management for developments", SC030219 (2013), the SuDS Manual C753 (Ciria, 2015) and the non-statutory standards for SuDS (Defra, 2015). This information on greenfield runoff rates may be the basis for setting consents for the drainage of surface water runoff from sites.

Site Details

Latitude:	52.77592° N
Longitude:	0.11573° E
Reference:	797316452
Date:	Jan 27 2025 12:59

Runoff estimation approach

IH124

Site characteristics

Total site area (ha):	3.739
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Methodology

Q _{BAR} estimation method:	Calculate from SPR and SAAR
SPR estimation method:	Calculate from SOIL type

Notes

(1) Is Q_{BAR} < 2.0 l/s/ha?

When Q_{BAR} is < 2.0 l/s/ha then limiting discharge rates are set at 2.0 l/s/ha.

Soil characteristics

	Default	Edited
SOIL type:	2	2
HOST class:	N/A	N/A
SPR/SPRHOST:	0.3	0.3

(2) Are flow rates < 5.0 l/s?

Where flow rates are less than 5.0 l/s consent for discharge is usually set at 5.0 l/s if blockage from vegetation and other materials is possible. Lower consent flow rates may be set where the blockage risk is addressed by using appropriate drainage elements.

Hydrological characteristics

	Default	Edited
SAAR (mm):	581	581
Hydrological region:	5	5
Growth curve factor 1 year:	0.87	0.87
Growth curve factor 30 years:	2.45	2.45
Growth curve factor 100 years:	3.56	3.56
Growth curve factor 200 years:	4.21	4.21

(3) Is SPR/SPRHOST ≤ 0.3?

Where groundwater levels are low enough the use of soakaways to avoid discharge offsite would normally be preferred for disposal of surface water runoff.

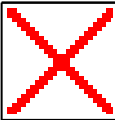
Greenfield runoff rates

Default

Edited

Q_{BAR} (l/s):	5.48	5.48
1 in 1 year (l/s):	4.77	4.77
1 in 30 years (l/s):	13.42	13.42
1 in 100 year (l/s):	19.51	19.51
1 in 200 years (l/s):	23.07	23.07

This report was produced using the greenfield runoff tool developed by HR Wallingford and available at www.uksuds.com. The use of this tool is subject to the UK SuDS terms and conditions and licence agreement , which can both be found at www.uksuds.com/terms-and-conditions.htm. The outputs from this tool are estimates of greenfield runoff rates. The use of these results is the responsibility of the users of this tool. No liability will be accepted by HR Wallingford, the Environment Agency, CEH, Hydrosolutions or any other organisation for the use of this data in the design or operational characteristics of any drainage scheme.



Stafford Infrastructure Eng. 13 Gostwick Orton Brimbles Peterborough PE2 5XF	File: 9059 Cowper's Gate - Final SW layout Network: Terry Stafford 27/01/2025	Page 1
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Design Settings

Rainfall Methodology	FSR	Maximum Time of Concentration (mins)	250.00
Return Period (years)	2	Maximum Rainfall (mm/hr)	120.0
Additional Flow (%)	0	Minimum Velocity (m/s)	1.00
FSR Region	England and Wales	Connection Type	Level Soffits
M5-60 (mm)	20.000	Minimum Backdrop Height (m)	1.000
Ratio-R	0.400	Preferred Cover Depth (m)	1.200
CV	0.750	Include Intermediate Ground	✓
Time of Entry (mins)	5.00	Enforce best practice design rules	x

Adoptable Manhole Type

Max Width (mm)	Diameter (mm)	Max Width (mm)	Diameter (mm)
374	1200	749	1500
499	1350	900	1800

>900 Link+900 mm

Max Depth (m)	Diameter (mm)	Max Depth (m)	Diameter (mm)
1.500	1050	99.999	1200

Circular Link Type

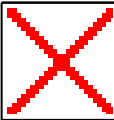
Shape Circular | Barrels 1 | Auto Increment (mm) 75 | Follow Ground x

Available Diameters (mm)

100 | 150

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
S1	0.489	5.00	2.736	1500	542753.515	321906.583	1.071
S2	0.067	5.00	2.872	1500	542753.803	321861.275	1.320
S3	0.063	5.00	2.794	1500	542786.848	321860.570	1.325
S4	0.168	5.00	2.769	1500	542809.360	321844.857	1.369
S5	0.179	5.00	2.747	1500	542850.293	321843.369	1.449
S6			2.803	1500	542893.298	321842.118	1.613
S8	0.368	5.00	2.680	1500	542879.758	321883.923	1.379
S9	0.000	5.00	2.708	1500	542893.191	321846.851	1.506
S3 [CP]			2.500	1350	542888.604	321813.038	1.392
HW1			2.500		542880.070	321807.628	
S4 [control]			2.500	1500	542895.525	321798.547	1.760
HW3			2.230		542905.374	321794.494	1.514
HW2			2.500		542878.908	321804.077	
Pond			2.500		542876.723	321805.178	1.720
S10	0.069	5.00	3.210	1500	542700.666	321887.642	1.534
S12	0.000	5.00	3.220	1500	542728.167	321887.726	1.808
S11	0.039	5.00	3.000	1500	542745.758	321887.779	1.366
S13	0.071	5.00	3.300	1500	542700.580	321869.619	1.670
S15	0.000	5.00	3.058	1500	542728.079	321869.487	1.692
S14	0.038	5.00	2.802	1500	542745.488	321869.403	1.214
S16	0.000	5.00	2.827	1500	542728.124	321859.974	1.485
S17	0.052	5.00	2.709	1500	542753.118	321842.465	1.443
HW4	0.000	5.00	2.500		542778.343	321834.858	
S1 [CP]	0.119	5.00	2.530	1350	542881.912	321916.270	0.917
S2 [CP]	0.038	5.00	2.520	1350	542911.611	321856.996	1.181
S2a [CP]	0.029	5.00	2.690	1350	542904.316	321841.470	1.422
S18	0.092	5.00	2.600	1200	542792.589	321926.587	0.685
S19			2.540	1200	542870.726	321926.587	0.948



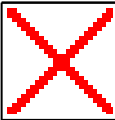
Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
S20	0.030	5.00	2.580	1200	542877.679	321918.315	1.033

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.000	S1	S2	45.309	0.600	1.665	1.552	0.113	401.0	600	5.62	66.1
1.001	S2	S3	33.053	0.600	1.552	1.469	0.083	398.2	600	6.08	63.5
1.002	S3	S4	27.453	0.600	1.469	1.400	0.069	397.9	600	6.45	61.4
1.003	S4	S5	40.960	0.600	1.400	1.298	0.102	401.6	600	7.02	58.6
1.004	S5	S6	43.023	0.600	1.298	1.190	0.108	398.4	600	7.61	56.0
1.005	S6	S3 [CP]	29.457	0.600	1.190	1.108	0.082	359.2	600	8.03	37.4
2.004	S9	S6	4.734	0.600	1.202	1.190	0.012	394.5	600	7.65	67.2
2.003	S8	S9	39.431	0.600	1.301	1.202	0.099	398.3	600	7.59	68.6
1.006	S3 [CP]	Pond	10.104	0.600	1.108	1.080	0.028	360.9	600	8.17	35.5
1.009	Pond	S4 [control]	17.514	0.600	0.780	0.740	0.040	437.9	450	8.47	33.1
1.010	S4 [control]	HW3	10.650	0.600	0.740	0.716	0.024	443.8	450	8.65	32.2
4.000	S10	S12	27.501	0.600	1.676	1.562	0.114	241.2	300	5.45	67.7
5.000	S11	S12	17.591	0.600	1.634	1.562	0.072	244.3	300	5.29	68.6
4.001	S12	S15	18.239	0.600	1.412	1.366	0.046	396.5	450	5.75	66.1
4.002	S15	S16	9.513	0.600	1.366	1.342	0.024	396.4	450	5.91	65.3
4.003	S16	S17	30.517	0.600	1.342	1.266	0.076	401.5	450	6.42	63.1
4.004	S17	Pond	26.346	0.600	1.266	1.200	0.066	399.2	450	6.85	61.2
6.000	S13	S15	27.499	0.600	1.630	1.516	0.114	241.2	300	5.45	67.7
7.000	S14	S15	17.409	0.600	1.588	1.516	0.072	241.8	300	5.29	69.3
3.000	S1 [CP]	S2 [CP]	66.298	0.600	1.613	1.339	0.274	242.0	300	6.10	64.4
3.001	S2 [CP]	S2a [CP]	17.154	0.600	1.339	1.268	0.071	241.6	300	6.38	63.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
1.000	1.210	342.0	87.6	0.471	0.720	0.489	0.0	206	1.019
1.001	1.214	343.2	95.7	0.720	0.725	0.556	0.0	216	1.047
1.002	1.214	343.4	103.0	0.725	0.769	0.619	0.0	225	1.068
1.003	1.209	341.8	125.0	0.769	0.849	0.787	0.0	250	1.119
1.004	1.214	343.2	146.6	0.849	1.013	0.966	0.0	273	1.168
1.005	1.279	361.5	166.5	1.013	0.792	1.642	0.0	286	1.253
2.004	1.220	344.8	89.3	0.906	1.013	0.490	0.0	207	1.031
2.003	1.214	343.2	91.1	0.779	0.906	0.490	0.0	210	1.033
1.006	1.276	360.7	158.0	0.792	0.820	1.642	0.0	277	1.235
1.009	0.965	153.5	171.5	1.270	1.310	1.911	0.0	450	0.977
1.010	0.958	152.4	166.8	1.310	1.064	1.911	0.0	450	0.971
4.000	1.008	71.2	12.7	1.234	1.358	0.069	0.0	85	0.766
5.000	1.001	70.8	7.3	1.066	1.358	0.039	0.0	65	0.652
4.001	1.015	161.4	19.3	1.358	1.242	0.108	0.0	104	0.691
4.002	1.015	161.4	38.4	1.242	1.035	0.217	0.0	149	0.838
4.003	1.008	160.3	37.1	1.035	0.993	0.217	0.0	146	0.825
4.004	1.011	160.8	44.6	0.993	0.850	0.269	0.0	161	0.869
6.000	1.008	71.2	13.0	1.370	1.242	0.071	0.0	86	0.771
7.000	1.006	71.1	7.1	0.914	1.242	0.038	0.0	64	0.648
3.000	1.006	71.1	20.8	0.617	0.881	0.119	0.0	111	0.877
3.001	1.007	71.2	26.8	0.881	1.122	0.157	0.0	127	0.938



Links

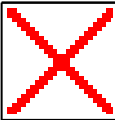
Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
3.002	S2a [CP]	S6	11.037	0.600	1.268	1.190	0.078	141.5	300	6.52	62.4
2.000	S18	S19	78.137	0.600	1.915	1.592	0.323	242.0	300	6.29	63.4
2.001	S19	S20	10.806	0.600	1.592	1.547	0.045	242.0	300	6.47	62.6
2.002	S20	S8	34.455	0.600	1.547	1.405	0.142	242.0	300	7.04	60.1

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
3.002	1.319	93.3	31.5	1.122	1.313	0.186	0.0	120	1.194
2.000	1.006	71.1	15.8	0.385	0.648	0.092	0.0	96	0.814
2.001	1.006	71.1	15.6	0.648	0.733	0.092	0.0	95	0.811
2.002	1.006	71.1	19.9	0.733	0.975	0.122	0.0	108	0.866

Pipeline Schedule

Link	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)
1.000	45.309	401.0	600	Circular	2.736	1.665	0.471	2.872	1.552	0.720
1.001	33.053	398.2	600	Circular	2.872	1.552	0.720	2.794	1.469	0.725
1.002	27.453	397.9	600	Circular	2.794	1.469	0.725	2.769	1.400	0.769
1.003	40.960	401.6	600	Circular	2.769	1.400	0.769	2.747	1.298	0.849
1.004	43.023	398.4	600	Circular	2.747	1.298	0.849	2.803	1.190	1.013
1.005	29.457	359.2	600	Circular	2.803	1.190	1.013	2.500	1.108	0.792
2.004	4.734	394.5	600	Circular	2.708	1.202	0.906	2.803	1.190	1.013
2.003	39.431	398.3	600	Circular	2.680	1.301	0.779	2.708	1.202	0.906
1.006	10.104	360.9	600	Circular	2.500	1.108	0.792	2.500	1.080	0.820
1.009	17.514	437.9	450	Circular	2.500	0.780	1.270	2.500	0.740	1.310
1.010	10.650	443.8	450	Circular	2.500	0.740	1.310	2.230	0.716	1.064
4.000	27.501	241.2	300	Circular	3.210	1.676	1.234	3.220	1.562	1.358
5.000	17.591	244.3	300	Circular	3.000	1.634	1.066	3.220	1.562	1.358
4.001	18.239	396.5	450	Circular	3.220	1.412	1.358	3.058	1.366	1.242
4.002	9.513	396.4	450	Circular	3.058	1.366	1.242	2.827	1.342	1.035
4.003	30.517	401.5	450	Circular	2.827	1.342	1.035	2.709	1.266	0.993
4.004	26.346	399.2	450	Circular	2.709	1.266	0.993	2.500	1.200	0.850

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	S1	1500	Manhole	Adoptable	S2	1500	Manhole	Adoptable
1.001	S2	1500	Manhole	Adoptable	S3	1500	Manhole	Adoptable
1.002	S3	1500	Manhole	Adoptable	S4	1500	Manhole	Adoptable
1.003	S4	1500	Manhole	Adoptable	S5	1500	Manhole	Adoptable
1.004	S5	1500	Manhole	Adoptable	S6	1500	Manhole	Adoptable
1.005	S6	1500	Manhole	Adoptable	S3 [CP]	1350	Manhole	Adoptable
2.004	S9	1500	Manhole	Adoptable	S6	1500	Manhole	Adoptable
2.003	S8	1500	Manhole	Adoptable	S9	1500	Manhole	Adoptable
1.006	S3 [CP]	1350	Manhole	Adoptable	Pond		Junction	
1.009	Pond		Junction		S4 [control]	1500	Manhole	Adoptable
1.010	S4 [control]	1500	Manhole	Adoptable	HW3		Junction	
4.000	S10	1500	Manhole	Adoptable	S12	1500	Manhole	Adoptable
5.000	S11	1500	Manhole	Adoptable	S12	1500	Manhole	Adoptable
4.001	S12	1500	Manhole	Adoptable	S15	1500	Manhole	Adoptable
4.002	S15	1500	Manhole	Adoptable	S16	1500	Manhole	Adoptable
4.003	S16	1500	Manhole	Adoptable	S17	1500	Manhole	Adoptable
4.004	S17	1500	Manhole	Adoptable	Pond		Junction	



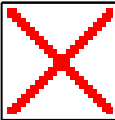
Pipeline Schedule

Link	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)
6.000	27.499	241.2	300	Circular	3.300	1.630	1.370	3.058	1.516	1.242
7.000	17.409	241.8	300	Circular	2.802	1.588	0.914	3.058	1.516	1.242
3.000	66.298	242.0	300	Circular	2.530	1.613	0.617	2.520	1.339	0.881
3.001	17.154	241.6	300	Circular	2.520	1.339	0.881	2.690	1.268	1.122
3.002	11.037	141.5	300	Circular	2.690	1.268	1.122	2.803	1.190	1.313
2.000	78.137	242.0	300	Circular	2.600	1.915	0.385	2.540	1.592	0.648
2.001	10.806	242.0	300	Circular	2.540	1.592	0.648	2.580	1.547	0.733
2.002	34.455	242.0	300	Circular	2.580	1.547	0.733	2.680	1.405	0.975

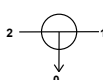
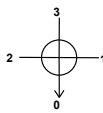
Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
6.000	S13	1500	Manhole	Adoptable	S15	1500	Manhole	Adoptable
7.000	S14	1500	Manhole	Adoptable	S15	1500	Manhole	Adoptable
3.000	S1 [CP]	1350	Manhole	Adoptable	S2 [CP]	1350	Manhole	Adoptable
3.001	S2 [CP]	1350	Manhole	Adoptable	S2a [CP]	1350	Manhole	Adoptable
3.002	S2a [CP]	1350	Manhole	Adoptable	S6	1500	Manhole	Adoptable
2.000	S18	1200	Manhole	Adoptable	S19	1200	Manhole	Adoptable
2.001	S19	1200	Manhole	Adoptable	S20	1200	Manhole	Adoptable
2.002	S20	1200	Manhole	Adoptable	S8	1500	Manhole	Adoptable

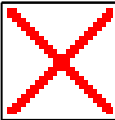
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
S1	542753.515	321906.583	2.736	1.071	1500		0	1.000	1.665	600
S2	542753.803	321861.275	2.872	1.320	1500		1	1.000	1.552	600
S3	542786.848	321860.570	2.794	1.325	1500		0	1.001	1.552	600
S4	542809.360	321844.857	2.769	1.369	1500		1	1.001	1.469	600
S5	542850.293	321843.369	2.747	1.449	1500		0	1.002	1.469	600
S6	542893.298	321842.118	2.803	1.613	1500		1	1.002	1.400	600
S8	542879.758	321883.923	2.680	1.379	1500		0	1.003	1.400	600
S9	542893.191	321846.851	2.708	1.506	1500		1	1.003	1.298	600
S1							0	1.004	1.298	600
S2							1	3.002	1.190	300
S3							2	2.004	1.190	600
S4							3	1.004	1.190	600
S5							0	1.005	1.190	600
S6							1	2.002	1.405	300
S8							0	2.003	1.301	600
S9							1	2.003	1.202	600
S1							0	2.004	1.202	600

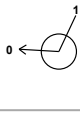


Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
S3 [CP]	542888.604	321813.038	2.500	1.392	1350		1	1.005	1.108	600
							0	1.006	1.108	600
HW1	542880.070	321807.628	2.500							
S4 [control]	542895.525	321798.547	2.500	1.760	1500		1	1.009	0.740	450
							0	1.010	0.740	450
HW3	542905.374	321794.494	2.230	1.514			1	1.010	0.716	450
HW2	542878.908	321804.077	2.500							
Pond	542876.723	321805.178	2.500	1.720			1 2	4.004 1.006	1.200 1.080	450 600
							0	1.009	0.780	450
S10	542700.666	321887.642	3.210	1.534	1500		0	4.000	1.676	300
S12	542728.167	321887.726	3.220	1.808	1500		1 2	5.000 4.000	1.562 1.562	300 300
							0	4.001	1.412	450
S11	542745.758	321887.779	3.000	1.366	1500					
							0	5.000	1.634	300
S13	542700.580	321869.619	3.300	1.670	1500		0	6.000	1.630	300
S15	542728.079	321869.487	3.058	1.692	1500		1 2 3 0	7.000 6.000 4.001 4.002	1.516 1.516 1.366 1.366	300 300 450 450
S14	542745.488	321869.403	2.802	1.214	1500					
							0	7.000	1.588	300
S16	542728.124	321859.974	2.827	1.485	1500		1	4.002	1.342	450
							0	4.003	1.342	450
S17	542753.118	321842.465	2.709	1.443	1500		1	4.003	1.266	450
							0	4.004	1.266	450
HW4	542778.343	321834.858	2.500							



Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
S1 [CP]	542881.912	321916.270	2.530	0.917	1350		0	3.000	1.613	300
S2 [CP]	542911.611	321856.996	2.520	1.181	1350		1	3.000	1.339	300
S2a [CP]	542904.316	321841.470	2.690	1.422	1350		1	3.001	1.339	300
							0	3.001	1.268	300
S18	542792.589	321926.587	2.600	0.685	1200		0	3.002	1.268	300
S19	542870.726	321926.587	2.540	0.948	1200		1	2.000	1.915	300
							0	2.001	1.592	300
S20	542877.679	321918.315	2.580	1.033	1200		1	2.001	1.547	300
							0	2.002	1.547	300

Simulation Settings

Rainfall Methodology	FSR	Analysis Speed	Detailed
Rainfall Events	Singular	Skip Steady State	x
FSR Region	England and Wales	Drain Down Time (mins)	240
M5-60 (mm)	20.000	Additional Storage (m³/ha)	0.0
Ratio-R	0.400	Starting Level (m)	
Summer CV	0.750	Check Discharge Rate(s)	x
Winter CV	0.840	Check Discharge Volume	x

Storm Durations

15	60	240	600	1440	2880	7200
30	120	360	960	2160	5760	10080

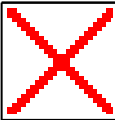
Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)	Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
1	0	0	0	100	20	0	0
30	0	0	0	100	40	0	0

Node S4 [control] Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	x	Sump Available	✓
Invert Level (m)	0.740	Product Number	CTL-SHE-0106-5000-1000-5000
Design Depth (m)	1.000	Min Outlet Diameter (m)	0.150
Design Flow (l/s)	5.0	Min Node Diameter (mm)	0

Node Pond Depth/Area Storage Structure

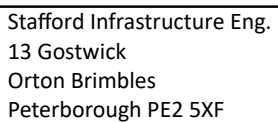
Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	0.780
Side Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Time to half empty (mins)	0



Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	1695.6	0.0	1.620	3071.0	0.0

Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
1 year 15 minute summer	109.521	30.991	30 year 10080 minute winter	1.474	0.583
1 year 15 minute winter	76.857	30.991	100 year +20% CC 15 minute summer	418.486	118.417
1 year 30 minute summer	71.439	20.215	100 year +20% CC 15 minute winter	293.674	118.417
1 year 30 minute winter	50.133	20.215	100 year +20% CC 30 minute summer	274.758	77.747
1 year 60 minute summer	48.435	12.800	100 year +20% CC 30 minute winter	192.813	77.747
1 year 60 minute winter	32.179	12.800	100 year +20% CC 60 minute summer	183.946	48.611
1 year 120 minute summer	30.053	7.942	100 year +20% CC 60 minute winter	122.209	48.611
1 year 120 minute winter	19.966	7.942	100 year +20% CC 120 minute summer	111.074	29.354
1 year 240 minute summer	18.475	4.882	100 year +20% CC 120 minute winter	73.795	29.354
1 year 240 minute winter	12.274	4.882	100 year +20% CC 240 minute summer	65.123	17.210
1 year 360 minute summer	14.169	3.646	100 year +20% CC 240 minute winter	43.266	17.210
1 year 360 minute winter	9.210	3.646	100 year +20% CC 360 minute summer	48.580	12.501
1 year 600 minute summer	9.182	2.511	100 year +20% CC 360 minute winter	31.578	12.501
1 year 600 minute winter	6.274	2.511	100 year +20% CC 600 minute summer	30.518	8.347
1 year 960 minute summer	6.768	1.782	100 year +20% CC 600 minute winter	20.851	8.347
1 year 960 minute winter	4.483	1.782	100 year +20% CC 960 minute summer	21.799	5.740
1 year 1440 minute summer	4.949	1.326	100 year +20% CC 960 minute winter	14.440	5.740
1 year 1440 minute winter	3.326	1.326	100 year +20% CC 1440 minute summer	15.476	4.148
1 year 2160 minute summer	3.574	0.988	100 year +20% CC 1440 minute winter	10.401	4.148
1 year 2160 minute winter	2.462	0.988	100 year +20% CC 2160 minute summer	10.826	2.992
1 year 2880 minute summer	2.986	0.800	100 year +20% CC 2160 minute winter	7.459	2.992
1 year 2880 minute winter	2.007	0.800	100 year +20% CC 2880 minute summer	8.845	2.371
1 year 5760 minute summer	1.885	0.483	100 year +20% CC 2880 minute winter	5.944	2.371
1 year 5760 minute winter	1.220	0.483	100 year +20% CC 5760 minute summer	5.268	1.348
1 year 7200 minute summer	1.609	0.410	100 year +20% CC 5760 minute winter	3.409	1.348
1 year 7200 minute winter	1.038	0.410	100 year +20% CC 7200 minute summer	4.404	1.123
1 year 10080 minute summer	1.260	0.322	100 year +20% CC 7200 minute winter	2.842	1.123
1 year 10080 minute winter	0.813	0.322	100 year +20% CC 10080 minute summer	3.341	0.852
30 year 15 minute summer	268.706	76.035	100 year +20% CC 10080 minute winter	2.156	0.852
30 year 15 minute winter	188.566	76.035	100 year +40% CC 15 minute summer	488.233	138.153
30 year 30 minute summer	174.929	49.499	100 year +40% CC 15 minute winter	342.620	138.153
30 year 30 minute winter	122.757	49.499	100 year +40% CC 30 minute summer	320.551	90.705
30 year 60 minute summer	116.589	30.811	100 year +40% CC 30 minute winter	224.948	90.705
30 year 60 minute winter	77.459	30.811	100 year +40% CC 60 minute summer	214.603	56.713
30 year 120 minute summer	70.438	18.615	100 year +40% CC 60 minute winter	142.577	56.713
30 year 120 minute winter	46.797	18.615	100 year +40% CC 120 minute summer	129.587	34.246
30 year 240 minute summer	41.604	10.995	100 year +40% CC 120 minute winter	86.094	34.246
30 year 240 minute winter	27.641	10.995	100 year +40% CC 240 minute summer	75.977	20.078
30 year 360 minute summer	31.221	8.034	100 year +40% CC 240 minute winter	50.477	20.078
30 year 360 minute winter	20.295	8.034	100 year +40% CC 360 minute summer	56.677	14.585
30 year 600 minute summer	19.756	5.404	100 year +40% CC 360 minute winter	36.841	14.585
30 year 600 minute winter	13.498	5.404	100 year +40% CC 600 minute summer	35.604	9.738
30 year 960 minute summer	14.215	3.743	100 year +40% CC 600 minute winter	24.327	9.738
30 year 960 minute winter	9.416	3.743	100 year +40% CC 960 minute summer	25.432	6.697
30 year 1440 minute summer	10.161	2.723	100 year +40% CC 960 minute winter	16.847	6.697
30 year 1440 minute winter	6.829	2.723	100 year +40% CC 1440 minute summer	18.055	4.839
30 year 2160 minute summer	7.160	1.979	100 year +40% CC 1440 minute winter	12.134	4.839
30 year 2160 minute winter	4.933	1.979	100 year +40% CC 2160 minute summer	12.630	3.490
30 year 2880 minute summer	5.883	1.577	100 year +40% CC 2160 minute winter	8.702	3.490
30 year 2880 minute winter	3.953	1.577	100 year +40% CC 2880 minute summer	10.319	2.766
30 year 5760 minute summer	3.554	0.910	100 year +40% CC 2880 minute winter	6.935	2.766
30 year 5760 minute winter	2.301	0.910	100 year +40% CC 5760 minute summer	6.145	1.573
30 year 7200 minute summer	2.987	0.762	100 year +40% CC 5760 minute winter	3.978	1.573
30 year 7200 minute winter	1.928	0.762	100 year +40% CC 7200 minute summer	5.137	1.311
30 year 10080 minute summer	2.284	0.583	100 year +40% CC 7200 minute winter	3.316	1.311

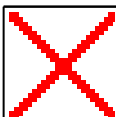


File: 9059 Cowper's Gate - Final SW layout
Network:
Terry Stafford
27/01/2025

Page 8

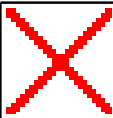
Rainfall

Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)	Event	Peak Intensity (mm/hr)	Average Intensity (mm/hr)
100 year +40% CC 10080 minute summer	3.897	0.994	100 year +40% CC 10080 minute winter	2.515	0.994



Results for 1 year Critical Storm Duration. Lowest mass balance: 99.56%

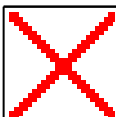
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S1	10	1.852	0.187	69.0	0.3305	0.0000	OK
15 minute winter	S2	11	1.757	0.205	77.2	0.3621	0.0000	OK
15 minute winter	S3	11	1.692	0.223	84.8	0.3939	0.0000	OK
15 minute winter	S4	11	1.642	0.242	105.6	0.4273	0.0000	OK
15 minute winter	S5	12	1.575	0.277	126.3	0.4895	0.0000	OK
15 minute winter	S6	12	1.527	0.337	194.8	0.5950	0.0000	OK
15 minute winter	S8	12	1.535	0.234	64.7	0.4130	0.0000	OK
15 minute winter	S9	12	1.530	0.328	57.3	0.5796	0.0000	OK
15 minute winter	S3 [CP]	13	1.417	0.309	192.6	0.4428	0.0000	OK
	HW1							
960 minute winter	S4 [control]	750	0.957	0.217	4.7	0.3831	0.0000	OK
960 minute winter	HW3	750	0.761	0.045	4.7	0.0000	0.0000	OK
	HW2							
960 minute winter	Pond	750	0.957	0.177	19.9	313.2759	0.0000	OK
15 minute winter	S10	10	1.751	0.075	9.7	0.1325	0.0000	OK
15 minute winter	S12	11	1.518	0.106	14.8	0.1877	0.0000	OK
15 minute winter	S11	10	1.691	0.057	5.5	0.1009	0.0000	OK
15 minute winter	S13	10	1.706	0.076	10.0	0.1344	0.0000	OK
15 minute winter	S15	11	1.508	0.142	29.5	0.2510	0.0000	OK
15 minute winter	S14	10	1.644	0.056	5.4	0.0993	0.0000	OK
15 minute winter	S16	11	1.476	0.134	29.4	0.2366	0.0000	OK
15 minute winter	S17	12	1.408	0.142	35.7	0.2512	0.0000	OK
	HW4							
15 minute winter	S1 [CP]	10	1.709	0.096	16.8	0.1376	0.0000	OK
15 minute winter	S2 [CP]	12	1.535	0.196	21.6	0.2809	0.0000	OK
15 minute winter	S2a [CP]	12	1.530	0.262	20.5	0.3755	0.0000	OK
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S1	1.000	S2	67.8	0.863	0.198	3.5664	
15 minute winter	S2	1.001	S3	76.4	0.852	0.223	2.9777	
15 minute winter	S3	1.002	S4	83.3	0.828	0.243	2.7659	
15 minute winter	S4	1.003	S5	103.3	0.896	0.302	4.7775	
15 minute winter	S5	1.004	S6	123.0	0.867	0.358	6.2355	
15 minute winter	S6	1.005	S3 [CP]	192.6	1.249	0.533	4.5426	
15 minute winter	S8	2.003	S9	57.3	0.668	0.167	5.1087	
15 minute winter	S9	2.004	S6	53.1	0.541	0.154	0.7583	
15 minute winter	S3 [CP]	1.006	Pond	193.3	1.391	0.536	1.4042	
960 minute winter	S4 [control]	1.010	HW3	4.7	0.500	0.031	0.1005	224.2
960 minute winter	Pond	1.009	S4 [control]	4.7	0.105	0.031	1.1678	
15 minute winter	S10	4.000	S12	9.4	0.701	0.132	0.3700	
15 minute winter	S12	4.001	S15	14.7	0.416	0.091	0.6508	
15 minute winter	S11	5.000	S12	5.3	0.594	0.075	0.1584	
15 minute winter	S13	6.000	S15	9.7	0.707	0.136	0.3770	
15 minute winter	S15	4.002	S16	29.4	0.713	0.182	0.3917	
15 minute winter	S14	7.000	S15	5.2	0.590	0.073	0.1536	
15 minute winter	S16	4.003	S17	29.0	0.707	0.181	1.2527	
15 minute winter	S17	4.004	Pond	35.4	0.884	0.220	1.0542	
15 minute winter	S1 [CP]	3.000	S2 [CP]	16.2	0.737	0.227	2.2131	
15 minute winter	S2 [CP]	3.001	S2a [CP]	17.3	0.660	0.243	0.9794	
15 minute winter	S2a [CP]	3.002	S6	20.8	0.372	0.223	0.7492	



Results for 1 year Critical Storm Duration. Lowest mass balance: 99.56%

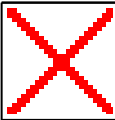
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S18	10	2.001	0.086	13.0	0.0970	0.0000	OK
15 minute winter	S19	11	1.682	0.090	12.8	0.1021	0.0000	OK
15 minute winter	S20	11	1.644	0.097	16.0	0.1093	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S18	2.000	S19	12.8	0.761	0.179	1.3375	
15 minute winter	S19	2.001	S20	12.1	0.658	0.171	0.2021	
15 minute winter	S20	2.002	S8	15.9	0.734	0.224	0.8321	



Results for 30 year Critical Storm Duration. Lowest mass balance: 99.56%

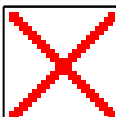
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S1	10	1.988	0.323	169.1	0.5714	0.0000	OK
15 minute winter	S2	12	1.963	0.411	188.1	0.7267	0.0000	OK
15 minute winter	S3	12	1.946	0.477	196.6	0.8430	0.0000	OK
15 minute winter	S4	12	1.928	0.528	236.6	0.9331	0.0000	OK
15 minute winter	S5	12	1.885	0.587	275.2	1.0374	0.0000	OK
15 minute winter	S6	12	1.809	0.619	447.2	1.0938	0.0000	SURCHARGED
15 minute winter	S8	12	1.835	0.534	148.5	0.9434	0.0000	OK
15 minute winter	S9	12	1.817	0.615	132.1	1.0861	0.0000	SURCHARGED
15 minute winter	S3 [CP] HW1	12	1.613	0.505	447.7	0.7232	0.0000	OK
960 minute winter	S4 [control]	930	1.186	0.446	5.1	0.7887	0.0000	OK
120 minute winter	HW3 HW2	118	0.763	0.047	5.0	0.0000	0.0000	OK
960 minute winter	Pond	930	1.186	0.406	41.9	759.2304	0.0000	OK
15 minute winter	S10	10	1.799	0.123	23.9	0.2166	0.0000	OK
15 minute winter	S12	11	1.617	0.205	36.4	0.3629	0.0000	OK
15 minute winter	S11	10	1.725	0.091	13.5	0.1616	0.0000	OK
15 minute winter	S13	10	1.755	0.125	24.6	0.2202	0.0000	OK
15 minute winter	S15	11	1.608	0.242	72.5	0.4279	0.0000	OK
15 minute winter	S14	10	1.678	0.090	13.1	0.1587	0.0000	OK
15 minute winter	S16	11	1.570	0.228	72.5	0.4035	0.0000	OK
15 minute winter	S17 HW4	11	1.498	0.232	88.9	0.4098	0.0000	OK
15 minute winter	S1 [CP]	11	1.947	0.334	41.2	0.4777	0.0000	SURCHARGED
15 minute winter	S2 [CP]	12	1.882	0.543	47.5	0.7777	0.0000	SURCHARGED
15 minute winter	S2a [CP]	12	1.847	0.579	53.5	0.8287	0.0000	SURCHARGED
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S1	1.000	S2	164.9	1.017	0.482	8.0744	
15 minute winter	S2	1.001	S3	174.8	0.966	0.509	7.3741	
15 minute winter	S3	1.002	S4	178.5	0.898	0.520	6.9046	
15 minute winter	S4	1.003	S5	216.9	0.967	0.635	11.1178	
15 minute winter	S5	1.004	S6	263.5	0.945	0.768	12.0858	
15 minute winter	S6	1.005	S3 [CP]	447.7	1.632	1.238	7.8793	
15 minute winter	S8	2.003	S9	132.1	0.725	0.385	10.7755	
15 minute winter	S9	2.004	S6	132.7	0.688	0.385	1.3335	
15 minute winter	S3 [CP]	1.006	Pond	447.9	1.882	1.242	2.3969	
960 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	268.6
960 minute winter	Pond	1.009	S4 [control]	5.1	0.104	0.033	2.7051	
15 minute winter	S10	4.000	S12	23.2	0.895	0.326	0.7181	
15 minute winter	S12	4.001	S15	36.2	0.464	0.224	1.4350	
15 minute winter	S11	5.000	S12	13.2	0.756	0.186	0.3074	
15 minute winter	S13	6.000	S15	23.8	0.901	0.335	0.7331	
15 minute winter	S15	4.002	S16	72.5	0.869	0.449	0.7975	
15 minute winter	S14	7.000	S15	12.8	0.751	0.180	0.3108	
15 minute winter	S16	4.003	S17	72.0	0.883	0.449	2.4880	
15 minute winter	S17	4.004	Pond	87.5	1.154	0.544	2.0063	
15 minute winter	S1 [CP]	3.000	S2 [CP]	35.1	0.793	0.493	4.6687	
15 minute winter	S2 [CP]	3.001	S2a [CP]	45.7	0.666	0.642	1.2080	
15 minute winter	S2a [CP]	3.002	S6	54.0	0.767	0.579	0.7772	



Results for 30 year Critical Storm Duration. Lowest mass balance: 99.56%

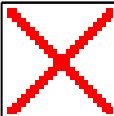
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S18	10	2.054	0.139	31.8	0.1577	0.0000	OK
15 minute winter	S19	12	1.896	0.304	31.2	0.3435	0.0000	SURCHARGED
15 minute winter	S20	12	1.885	0.338	38.6	0.3828	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S18	2.000	S19	31.2	0.924	0.438	3.8608	
15 minute winter	S19	2.001	S20	32.7	0.744	0.460	0.7609	
15 minute winter	S20	2.002	S8	39.2	0.698	0.552	2.4263	



Results for 100 year +20% CC Critical Storm Duration. Lowest mass balance: 99.56%

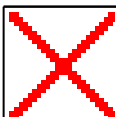
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S1	10	2.736	1.071	263.4	1.8925	9.4162	FLOOD
15 minute winter	S2	11	2.702	1.150	265.9	2.0326	0.0000	FLOOD RISK
15 minute winter	S3	10	2.763	1.294	261.3	2.2870	0.0000	FLOOD RISK
15 minute winter	S4	10	2.674	1.274	365.9	2.2520	0.0000	FLOOD RISK
15 minute winter	S5	11	2.511	1.213	423.9	2.1433	0.0000	FLOOD RISK
15 minute winter	S6	11	2.297	1.107	710.7	1.9561	0.0000	SURCHARGED
15 minute winter	S8	11	2.392	1.091	239.5	1.9273	0.0000	FLOOD RISK
15 minute winter	S9	11	2.320	1.118	238.9	1.9749	0.0000	SURCHARGED
15 minute winter	S3 [CP]	11	1.826	0.718	709.8	1.0270	0.0000	SURCHARGED
2160 minute winter	HW1							
2160 minute winter	S4 [control]	2040	1.446	0.706	19.3	1.2473	0.0000	SURCHARGED
120 minute winter	HW3	72	0.763	0.047	5.0	0.0000	0.0000	OK
	HW2							
1440 minute winter	Pond	1410	1.425	0.645	46.2	1271.0220	0.0000	SURCHARGED
15 minute winter	S10	10	1.835	0.159	37.2	0.2816	0.0000	OK
15 minute winter	S12	11	1.699	0.287	56.9	0.5066	0.0000	OK
15 minute winter	S11	10	1.752	0.118	21.0	0.2085	0.0000	OK
15 minute winter	S13	10	1.794	0.164	38.3	0.2896	0.0000	OK
15 minute winter	S15	11	1.688	0.322	111.7	0.5695	0.0000	OK
15 minute winter	S14	11	1.705	0.117	20.5	0.2063	0.0000	OK
15 minute winter	S16	11	1.645	0.303	111.2	0.5357	0.0000	OK
15 minute winter	S17	11	1.565	0.299	136.9	0.5292	0.0000	OK
	HW4							
15 minute winter	S1 [CP]	11	2.530	0.917	64.1	1.3122	2.0938	FLOOD
15 minute summer	S2 [CP]	11	2.447	1.108	75.4	1.5849	0.0000	FLOOD RISK
15 minute summer	S2a [CP]	11	2.385	1.117	85.4	1.5991	0.0000	SURCHARGED
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S1	1.000	S2	232.0	1.074	0.678	12.7625	
15 minute winter	S2	1.001	S3	227.4	0.998	0.663	9.3103	
15 minute winter	S3	1.002	S4	275.4	0.978	0.802	7.7329	
15 minute winter	S4	1.003	S5	327.5	1.163	0.958	11.5375	
15 minute winter	S5	1.004	S6	401.1	1.424	1.169	12.1186	
15 minute winter	S6	1.005	S3 [CP]	709.8	2.520	1.963	8.2974	
15 minute winter	S8	2.003	S9	238.9	0.848	0.696	11.1068	
15 minute winter	S9	2.004	S6	238.2	0.846	0.691	1.3335	
15 minute winter	S3 [CP]	1.006	Pond	710.7	2.526	1.970	2.7658	
2160 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1045	514.5
1440 minute winter	Pond	1.009	S4 [control]	11.7	0.105	0.076	2.7750	
15 minute winter	S10	4.000	S12	36.2	1.010	0.509	0.9928	
15 minute winter	S12	4.001	S15	55.8	0.495	0.346	2.0797	
15 minute winter	S11	5.000	S12	20.6	0.820	0.291	0.4946	
15 minute winter	S13	6.000	S15	37.6	0.975	0.527	1.1002	
15 minute winter	S15	4.002	S16	111.2	0.946	0.689	1.1182	
15 minute winter	S14	7.000	S15	20.1	0.763	0.282	0.5850	
15 minute winter	S16	4.003	S17	110.6	0.980	0.689	3.4430	
15 minute winter	S17	4.004	Pond	134.7	1.317	0.838	2.7096	
15 minute winter	S1 [CP]	3.000	S2 [CP]	57.9	0.822	0.813	4.6687	
15 minute summer	S2 [CP]	3.001	S2a [CP]	70.5	1.001	0.990	1.2080	
15 minute summer	S2a [CP]	3.002	S6	80.6	1.144	0.864	0.7772	



Results for 100 year +20% CC Critical Storm Duration. Lowest mass balance: 99.56%

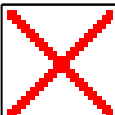
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S18	11	2.600	0.685	49.6	0.7747	0.8645	FLOOD
15 minute summer	S19	11	2.540	0.948	48.2	1.0722	1.0753	FLOOD
15 minute summer	S20	11	2.533	0.986	54.3	1.1157	0.0000	FLOOD RISK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S18	2.000	S19	44.7	0.968	0.629	5.5024	
15 minute summer	S19	2.001	S20	49.5	0.706	0.697	0.7610	
15 minute summer	S20	2.002	S8	56.3	0.800	0.792	2.4263	



Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.56%

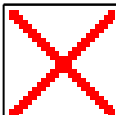
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S1	10	2.736	1.071	307.3	1.8925	26.8426	FLOOD
15 minute summer	S2	10	2.786	1.234	297.1	2.1813	0.0000	FLOOD RISK
15 minute winter	S3	10	2.711	1.242	246.8	2.1949	0.0000	FLOOD RISK
15 minute summer	S4	10	2.720	1.320	322.4	2.3328	0.0000	FLOOD RISK
15 minute summer	S5	10	2.605	1.307	429.8	2.3088	0.0000	FLOOD RISK
15 minute winter	S6	10	2.393	1.203	747.5	2.1255	0.0000	SURCHARGED
15 minute winter	S8	10	2.490	1.189	262.0	2.1015	0.0000	FLOOD RISK
15 minute winter	S9	10	2.425	1.223	262.2	2.1606	0.0000	FLOOD RISK
15 minute winter	S3 [CP] HW1	10	1.859	0.751	749.1	1.0750	0.0000	SURCHARGED
1440 minute winter	S4 [control]	1410	1.531	0.791	5.1	1.3973	0.0000	SURCHARGED
30 minute summer	HW3 HW2	30	0.763	0.047	5.0	0.0000	0.0000	OK
1440 minute winter	Pond	1410	1.531	0.751	54.0	1512.4210	0.0000	SURCHARGED
15 minute winter	S10	10	1.852	0.176	43.4	0.3103	0.0000	OK
15 minute winter	S12	11	1.735	0.323	66.4	0.5700	0.0000	OK
15 minute winter	S11	10	1.764	0.130	24.5	0.2297	0.0000	OK
15 minute winter	S13	10	1.812	0.182	44.6	0.3212	0.0000	OK
15 minute winter	S15	11	1.723	0.357	128.8	0.6315	0.0000	OK
15 minute winter	S14	11	1.734	0.146	23.9	0.2588	0.0000	OK
15 minute winter	S16	11	1.678	0.336	127.8	0.5936	0.0000	OK
15 minute winter	S17	11	1.594	0.328	157.8	0.5802	0.0000	OK
15 minute winter	HW4 S1 [CP]	10	2.530	0.917	74.8	1.3122	6.4718	FLOOD
15 minute winter	S2 [CP]	10	2.516	1.177	81.5	1.6846	0.0000	FLOOD RISK
15 minute winter	S2a [CP]	10	2.448	1.180	93.3	1.6884	0.0000	FLOOD RISK
Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S1	1.000	S2	220.0	1.097	0.643	12.7625	
15 minute summer	S2	1.001	S3	252.8	1.020	0.736	9.3103	
15 minute winter	S3	1.002	S4	257.1	0.913	0.749	7.7329	
15 minute summer	S4	1.003	S5	322.8	1.146	0.944	11.5375	
15 minute summer	S5	1.004	S6	445.4	1.581	1.298	12.1186	
15 minute winter	S6	1.005	S3 [CP]	749.1	2.660	2.072	8.2974	
15 minute winter	S8	2.003	S9	262.2	0.931	0.764	11.1068	
15 minute winter	S9	2.004	S6	264.3	0.938	0.766	1.3335	
15 minute winter	S3 [CP]	1.006	Pond	748.6	2.659	2.075	2.7816	
1440 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	369.7
1440 minute winter	Pond	1.009	S4 [control]	5.1	0.103	0.033	2.7750	
15 minute winter	S10	4.000	S12	42.3	1.048	0.594	1.1542	
15 minute winter	S12	4.001	S15	64.0	0.509	0.397	2.3403	
15 minute winter	S11	5.000	S12	24.1	0.817	0.340	0.6240	
15 minute winter	S13	6.000	S15	43.8	1.002	0.615	1.3120	
15 minute winter	S15	4.002	S16	127.8	0.979	0.792	1.2459	
15 minute winter	S14	7.000	S15	22.6	0.768	0.318	0.7495	
15 minute winter	S16	4.003	S17	127.0	1.016	0.792	3.8277	
15 minute winter	S17	4.004	Pond	156.0	1.380	0.970	2.9845	
15 minute winter	S1 [CP]	3.000	S2 [CP]	59.0	0.839	0.830	4.6687	
15 minute winter	S2 [CP]	3.001	S2a [CP]	76.1	1.080	1.069	1.2080	
15 minute winter	S2a [CP]	3.002	S6	82.4	1.171	0.884	0.7772	



Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 99.56%

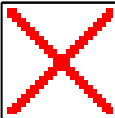
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S18	10	2.600	0.685	55.0	0.7747	4.2238	FLOOD
15 minute winter	S19	10	2.540	0.948	57.4	1.0722	1.9449	FLOOD
30 minute summer	S20	18	2.541	0.994	55.2	1.1238	0.0000	FLOOD RISK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S18	2.000	S19	50.9	0.985	0.715	5.5024	
15 minute winter	S19	2.001	S20	48.8	0.717	0.686	0.7610	
30 minute summer	S20	2.002	S8	57.8	0.821	0.813	2.4263	



Results for 1 year 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 100.00%

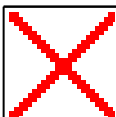
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1	10	1.847	0.182	65.6	0.3216	0.0000	OK
15 minute summer	S2	11	1.751	0.199	73.8	0.3524	0.0000	OK
15 minute summer	S3	11	1.686	0.217	81.1	0.3828	0.0000	OK
15 minute summer	S4	12	1.635	0.235	101.2	0.4152	0.0000	OK
15 minute summer	S5	12	1.565	0.267	121.0	0.4721	0.0000	OK
15 minute summer	S6	12	1.515	0.325	185.5	0.5744	0.0000	OK
15 minute summer	S8	12	1.522	0.221	61.6	0.3897	0.0000	OK
15 minute summer	S9	12	1.517	0.315	55.5	0.5574	0.0000	OK
15 minute summer	S3 [CP]	13	1.408	0.300	181.2	0.4295	0.0000	OK
15 minute summer	HW1							
15 minute summer	S4 [control]	30	0.842	0.102	2.9	0.1797	0.0000	OK
15 minute summer	HW3	33	0.744	0.028	2.0	0.0000	0.0000	OK
15 minute summer	HW2							
15 minute summer	Pond	32	0.842	0.062	214.9	107.1973	0.0000	OK
15 minute summer	S10	10	1.749	0.073	9.3	0.1295	0.0000	OK
15 minute summer	S12	11	1.515	0.103	14.1	0.1814	0.0000	OK
15 minute summer	S11	10	1.690	0.056	5.2	0.0983	0.0000	OK
15 minute summer	S13	11	1.704	0.074	9.5	0.1314	0.0000	OK
15 minute summer	S15	11	1.504	0.138	28.3	0.2446	0.0000	OK
15 minute summer	S14	10	1.643	0.055	5.1	0.0971	0.0000	OK
15 minute summer	S16	11	1.472	0.130	28.0	0.2303	0.0000	OK
15 minute summer	S17	12	1.405	0.139	34.1	0.2457	0.0000	OK
15 minute summer	HW4							
15 minute summer	S1 [CP]	10	1.707	0.094	16.0	0.1348	0.0000	OK
15 minute summer	S2 [CP]	12	1.523	0.184	20.7	0.2636	0.0000	OK
15 minute summer	S2a [CP]	12	1.522	0.254	19.6	0.3631	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S1	1.000	S2	64.8	0.855	0.189	3.4471	
15 minute summer	S2	1.001	S3	73.0	0.849	0.213	2.8667	
15 minute summer	S3	1.002	S4	79.7	0.823	0.232	2.6603	
15 minute summer	S4	1.003	S5	98.9	0.895	0.289	4.5781	
15 minute summer	S5	1.004	S6	118.4	0.865	0.345	5.9613	
15 minute summer	S6	1.005	S3 [CP]	181.2	1.228	0.501	4.3453	
15 minute summer	S8	2.003	S9	55.5	0.677	0.162	4.8100	
15 minute summer	S9	2.004	S6	48.5	0.523	0.141	0.7242	
15 minute summer	S3 [CP]	1.006	Pond	183.2	1.369	0.508	1.3519	
15 minute summer	S4 [control]	1.010	HW3	2.0	0.396	0.013	0.0537	25.5
15 minute summer	Pond	1.009	S4 [control]	2.9	0.335	0.019	0.3503	
15 minute summer	S10	4.000	S12	9.0	0.693	0.127	0.3584	
15 minute summer	S12	4.001	S15	14.0	0.412	0.087	0.6247	
15 minute summer	S11	5.000	S12	5.1	0.585	0.072	0.1530	
15 minute summer	S13	6.000	S15	9.3	0.698	0.130	0.3658	
15 minute summer	S15	4.002	S16	28.0	0.706	0.174	0.3775	
15 minute summer	S14	7.000	S15	5.0	0.583	0.070	0.1491	
15 minute summer	S16	4.003	S17	27.8	0.699	0.173	1.2140	
15 minute summer	S17	4.004	Pond	33.8	0.872	0.210	1.0217	
15 minute summer	S1 [CP]	3.000	S2 [CP]	15.6	0.734	0.219	2.0798	
15 minute summer	S2 [CP]	3.001	S2a [CP]	16.6	0.606	0.233	0.9341	
15 minute summer	S2a [CP]	3.002	S6	19.4	0.366	0.208	0.7393	



Results for 1 year 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S18	10	1.999	0.084	12.3	0.0950	0.0000	OK
15 minute summer	S19	12	1.680	0.088	12.2	0.0994	0.0000	OK
15 minute summer	S20	11	1.642	0.095	15.2	0.1069	0.0000	OK

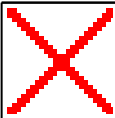
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S18	2.000	S19	12.2	0.761	0.172	1.2901	
15 minute summer	S19	2.001	S20	11.6	0.648	0.163	0.1949	
15 minute summer	S20	2.002	S8	15.3	0.743	0.215	0.7571	



Results for 1 year 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S1	10	1.852	0.187	69.0	0.3305	0.0000	OK
15 minute winter	S2	11	1.757	0.205	77.2	0.3621	0.0000	OK
15 minute winter	S3	11	1.692	0.223	84.8	0.3939	0.0000	OK
15 minute winter	S4	11	1.642	0.242	105.6	0.4273	0.0000	OK
15 minute winter	S5	12	1.575	0.277	126.3	0.4895	0.0000	OK
15 minute winter	S6	12	1.527	0.337	194.8	0.5950	0.0000	OK
15 minute winter	S8	12	1.535	0.234	64.7	0.4130	0.0000	OK
15 minute winter	S9	12	1.530	0.328	57.3	0.5796	0.0000	OK
15 minute winter	S3 [CP]	13	1.417	0.309	192.6	0.4428	0.0000	OK
15 minute winter	HW1							
15 minute winter	S4 [control]	29	0.849	0.109	3.6	0.1930	0.0000	OK
15 minute winter	HW3	31	0.746	0.030	2.3	0.0000	0.0000	OK
15 minute winter	HW2							
15 minute winter	Pond	32	0.850	0.070	226.6	120.1503	0.0000	OK
15 minute winter	S10	10	1.751	0.075	9.7	0.1325	0.0000	OK
15 minute winter	S12	11	1.518	0.106	14.8	0.1877	0.0000	OK
15 minute winter	S11	10	1.691	0.057	5.5	0.1009	0.0000	OK
15 minute winter	S13	10	1.706	0.076	10.0	0.1344	0.0000	OK
15 minute winter	S15	11	1.508	0.142	29.5	0.2510	0.0000	OK
15 minute winter	S14	10	1.644	0.056	5.4	0.0993	0.0000	OK
15 minute winter	S16	11	1.476	0.134	29.4	0.2366	0.0000	OK
15 minute winter	S17	12	1.408	0.142	35.7	0.2512	0.0000	OK
15 minute winter	HW4							
15 minute winter	S1 [CP]	10	1.709	0.096	16.8	0.1376	0.0000	OK
15 minute winter	S2 [CP]	12	1.535	0.196	21.6	0.2809	0.0000	OK
15 minute winter	S2a [CP]	12	1.530	0.262	20.5	0.3755	0.0000	OK

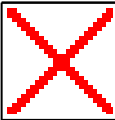
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S1	1.000	S2	67.8	0.863	0.198	3.5664	
15 minute winter	S2	1.001	S3	76.4	0.852	0.223	2.9777	
15 minute winter	S3	1.002	S4	83.3	0.828	0.243	2.7659	
15 minute winter	S4	1.003	S5	103.3	0.896	0.302	4.7775	
15 minute winter	S5	1.004	S6	123.0	0.867	0.358	6.2355	
15 minute winter	S6	1.005	S3 [CP]	192.6	1.249	0.533	4.5426	
15 minute winter	S8	2.003	S9	57.3	0.668	0.167	5.1087	
15 minute winter	S9	2.004	S6	53.1	0.541	0.154	0.7583	
15 minute winter	S3 [CP]	1.006	Pond	193.3	1.391	0.536	1.4042	
15 minute winter	S4 [control]	1.010	HW3	2.3	0.409	0.015	0.0587	28.8
15 minute winter	Pond	1.009	S4 [control]	3.6	0.325	0.024	0.3955	
15 minute winter	S10	4.000	S12	9.4	0.701	0.132	0.3700	
15 minute winter	S12	4.001	S15	14.7	0.416	0.091	0.6508	
15 minute winter	S11	5.000	S12	5.3	0.594	0.075	0.1584	
15 minute winter	S13	6.000	S15	9.7	0.707	0.136	0.3770	
15 minute winter	S15	4.002	S16	29.4	0.713	0.182	0.3917	
15 minute winter	S14	7.000	S15	5.2	0.590	0.073	0.1536	
15 minute winter	S16	4.003	S17	29.0	0.707	0.181	1.2527	
15 minute winter	S17	4.004	Pond	35.4	0.884	0.220	1.0542	
15 minute winter	S1 [CP]	3.000	S2 [CP]	16.2	0.737	0.227	2.2131	
15 minute winter	S2 [CP]	3.001	S2a [CP]	17.3	0.660	0.243	0.9794	
15 minute winter	S2a [CP]	3.002	S6	20.8	0.372	0.223	0.7492	



Results for 1 year 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 100.00%

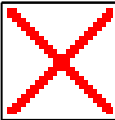
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S18	10	2.001	0.086	13.0	0.0970	0.0000	OK
15 minute winter	S19	11	1.682	0.090	12.8	0.1021	0.0000	OK
15 minute winter	S20	11	1.644	0.097	16.0	0.1093	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S18	2.000	S19	12.8	0.761	0.179	1.3375	
15 minute winter	S19	2.001	S20	12.1	0.658	0.171	0.2021	
15 minute winter	S20	2.002	S8	15.9	0.734	0.224	0.8321	



Results for 1 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 100.00%

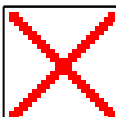
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S1	18	1.837	0.172	58.7	0.3036	0.0000	OK
30 minute summer	S2	18	1.740	0.188	66.9	0.3321	0.0000	OK
30 minute summer	S3	19	1.674	0.205	73.2	0.3619	0.0000	OK
30 minute summer	S4	19	1.624	0.224	91.1	0.3955	0.0000	OK
30 minute summer	S5	19	1.550	0.252	110.5	0.4456	0.0000	OK
30 minute summer	S6	20	1.503	0.313	171.4	0.5538	0.0000	OK
30 minute summer	S8	20	1.512	0.211	56.5	0.3726	0.0000	OK
30 minute summer	S9	20	1.506	0.304	51.5	0.5377	0.0000	OK
30 minute summer	S3 [CP]	20	1.398	0.290	171.8	0.4153	0.0000	OK
30 minute summer	HW1							
30 minute summer	S4 [control]	45	0.860	0.120	2.9	0.2122	0.0000	OK
30 minute summer	HW3	45	0.750	0.034	2.6	0.0000	0.0000	OK
30 minute summer	HW2							
30 minute summer	Pond	45	0.861	0.081	201.7	139.2783	0.0000	OK
30 minute summer	S10	18	1.746	0.070	8.3	0.1239	0.0000	OK
30 minute summer	S12	19	1.508	0.096	12.9	0.1689	0.0000	OK
30 minute summer	S11	18	1.687	0.053	4.7	0.0943	0.0000	OK
30 minute summer	S13	18	1.701	0.071	8.5	0.1254	0.0000	OK
30 minute summer	S15	19	1.497	0.131	25.5	0.2319	0.0000	OK
30 minute summer	S14	18	1.641	0.053	4.6	0.0930	0.0000	OK
30 minute summer	S16	19	1.467	0.125	25.4	0.2201	0.0000	OK
30 minute summer	S17	19	1.398	0.132	31.2	0.2338	0.0000	OK
30 minute summer	HW4							
30 minute summer	S1 [CP]	18	1.703	0.090	14.3	0.1285	0.0000	OK
30 minute summer	S2 [CP]	20	1.510	0.171	18.8	0.2450	0.0000	OK
30 minute summer	S2a [CP]	20	1.507	0.239	18.1	0.3417	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S1	1.000	S2	58.9	0.834	0.172	3.2146	
30 minute summer	S2	1.001	S3	65.6	0.829	0.191	2.6355	
30 minute summer	S3	1.002	S4	72.8	0.807	0.212	2.4797	
30 minute summer	S4	1.003	S5	91.0	0.875	0.266	4.2631	
30 minute summer	S5	1.004	S6	107.6	0.837	0.314	5.6129	
30 minute summer	S6	1.005	S3 [CP]	171.8	1.210	0.475	4.1813	
30 minute summer	S8	2.003	S9	51.5	0.606	0.150	4.5693	
30 minute summer	S9	2.004	S6	46.7	0.458	0.136	0.6919	
30 minute summer	S3 [CP]	1.006	Pond	171.2	1.337	0.474	1.2934	
30 minute summer	S4 [control]	1.010	HW3	2.6	0.426	0.017	0.0664	34.9
30 minute summer	Pond	1.009	S4 [control]	2.9	0.284	0.019	0.4647	
30 minute summer	S10	4.000	S12	8.2	0.673	0.116	0.3362	
30 minute summer	S12	4.001	S15	12.6	0.407	0.078	0.5740	
30 minute summer	S11	5.000	S12	4.7	0.572	0.066	0.1440	
30 minute summer	S13	6.000	S15	8.4	0.678	0.118	0.3422	
30 minute summer	S15	4.002	S16	25.4	0.691	0.157	0.3524	
30 minute summer	S14	7.000	S15	4.6	0.569	0.064	0.1398	
30 minute summer	S16	4.003	S17	25.5	0.684	0.159	1.1373	
30 minute summer	S17	4.004	Pond	30.5	0.848	0.190	0.9511	
30 minute summer	S1 [CP]	3.000	S2 [CP]	14.2	0.705	0.199	1.8906	
30 minute summer	S2 [CP]	3.001	S2a [CP]	15.2	0.535	0.214	0.8720	
30 minute summer	S2a [CP]	3.002	S6	18.1	0.322	0.194	0.7204	



Results for 1 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S18	18	1.995	0.080	11.0	0.0901	0.0000	OK
30 minute summer	S19	19	1.676	0.084	11.0	0.0948	0.0000	OK
30 minute summer	S20	19	1.638	0.091	13.9	0.1029	0.0000	OK

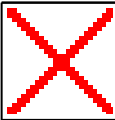
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S18	2.000	S19	11.0	0.729	0.154	1.1895	
30 minute summer	S19	2.001	S20	10.6	0.630	0.149	0.1842	
30 minute summer	S20	2.002	S8	14.0	0.742	0.197	0.6801	



Results for 1 year 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S1	18	1.828	0.163	53.1	0.2872	0.0000	OK
30 minute winter	S2	18	1.730	0.178	60.5	0.3148	0.0000	OK
30 minute winter	S3	19	1.663	0.194	66.6	0.3428	0.0000	OK
30 minute winter	S4	19	1.613	0.213	83.8	0.3758	0.0000	OK
30 minute winter	S5	20	1.540	0.242	101.9	0.4280	0.0000	OK
30 minute winter	S6	20	1.495	0.305	164.2	0.5387	0.0000	OK
30 minute winter	S8	20	1.505	0.204	52.1	0.3606	0.0000	OK
30 minute winter	S9	20	1.498	0.296	48.4	0.5231	0.0000	OK
30 minute winter	S3 [CP]	20	1.391	0.283	164.0	0.4047	0.0000	OK
30 minute winter	HW1							
30 minute winter	S4 [control]	45	0.870	0.130	3.1	0.2292	0.0000	OK
30 minute winter	HW3	44	0.752	0.036	3.0	0.0000	0.0000	OK
30 minute winter	HW2							
30 minute winter	Pond	44	0.870	0.090	191.4	156.2978	0.0000	OK
30 minute winter	S10	18	1.743	0.067	7.5	0.1177	0.0000	OK
30 minute winter	S12	19	1.501	0.089	11.6	0.1581	0.0000	OK
30 minute winter	S11	18	1.684	0.050	4.2	0.0892	0.0000	OK
30 minute winter	S13	18	1.698	0.068	7.7	0.1193	0.0000	OK
30 minute winter	S15	19	1.491	0.125	23.2	0.2204	0.0000	OK
30 minute winter	S14	18	1.638	0.050	4.1	0.0879	0.0000	OK
30 minute winter	S16	19	1.460	0.118	23.2	0.2089	0.0000	OK
30 minute winter	S17	19	1.393	0.127	28.5	0.2240	0.0000	OK
30 minute winter	HW4							
30 minute winter	S1 [CP]	18	1.698	0.085	12.9	0.1219	0.0000	OK
30 minute winter	S2 [CP]	20	1.501	0.162	16.9	0.2325	0.0000	OK
30 minute winter	S2a [CP]	20	1.498	0.230	17.5	0.3285	0.0000	OK

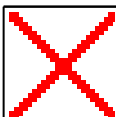
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	S1	1.000	S2	53.2	0.810	0.156	2.9803	
30 minute winter	S2	1.001	S3	59.8	0.810	0.174	2.4515	
30 minute winter	S3	1.002	S4	66.5	0.791	0.194	2.3078	
30 minute winter	S4	1.003	S5	83.5	0.856	0.244	4.0035	
30 minute winter	S5	1.004	S6	100.0	0.809	0.291	5.3836	
30 minute winter	S6	1.005	S3 [CP]	164.0	1.196	0.454	4.0405	
30 minute winter	S8	2.003	S9	48.4	0.563	0.141	4.3951	
30 minute winter	S9	2.004	S6	46.8	0.466	0.136	0.6681	
30 minute winter	S3 [CP]	1.006	Pond	163.3	1.320	0.453	1.2513	
30 minute winter	S4 [control]	1.010	HW3	3.0	0.438	0.020	0.0732	39.5
30 minute winter	Pond	1.009	S4 [control]	3.1	0.278	0.020	0.5283	
30 minute winter	S10	4.000	S12	7.5	0.656	0.105	0.3130	
30 minute winter	S12	4.001	S15	11.5	0.401	0.071	0.5296	
30 minute winter	S11	5.000	S12	4.2	0.556	0.059	0.1324	
30 minute winter	S13	6.000	S15	7.7	0.660	0.108	0.3193	
30 minute winter	S15	4.002	S16	23.2	0.674	0.143	0.3278	
30 minute winter	S14	7.000	S15	4.1	0.554	0.057	0.1284	
30 minute winter	S16	4.003	S17	23.2	0.664	0.144	1.0641	
30 minute winter	S17	4.004	Pond	28.2	0.830	0.175	0.8957	
30 minute winter	S1 [CP]	3.000	S2 [CP]	12.8	0.673	0.180	1.7990	
30 minute winter	S2 [CP]	3.001	S2a [CP]	15.0	0.556	0.210	0.8302	
30 minute winter	S2a [CP]	3.002	S6	17.9	0.288	0.191	0.7079	



Results for 1 year 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 100.00%

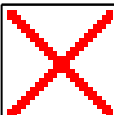
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S18	18	1.991	0.076	10.0	0.0855	0.0000	OK
30 minute winter	S19	19	1.672	0.080	10.0	0.0907	0.0000	OK
30 minute winter	S20	19	1.634	0.087	12.9	0.0988	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	S18	2.000	S19	10.0	0.702	0.141	1.1209	
30 minute winter	S19	2.001	S20	9.8	0.616	0.138	0.1736	
30 minute winter	S20	2.002	S8	13.0	0.737	0.183	0.6365	



Results for 1 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

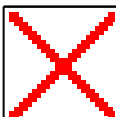
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S1	33	1.812	0.147	44.3	0.2605	0.0000	OK
60 minute summer	S2	33	1.713	0.161	50.5	0.2843	0.0000	OK
60 minute summer	S3	34	1.643	0.174	55.6	0.3081	0.0000	OK
60 minute summer	S4	34	1.591	0.191	69.9	0.3378	0.0000	OK
60 minute summer	S5	35	1.513	0.215	85.2	0.3792	0.0000	OK
60 minute summer	S6	35	1.464	0.274	137.3	0.4847	0.0000	OK
60 minute summer	S8	35	1.474	0.173	43.2	0.3064	0.0000	OK
60 minute summer	S9	35	1.467	0.265	41.2	0.4686	0.0000	OK
60 minute summer	S3 [CP]	35	1.365	0.257	137.2	0.3675	0.0000	OK
60 minute summer	HW1							
60 minute summer	S4 [control]	72	0.880	0.140	3.3	0.2471	0.0000	OK
60 minute summer	HW3	73	0.755	0.039	3.3	0.0000	0.0000	OK
60 minute summer	HW2							
60 minute summer	Pond	72	0.880	0.100	160.0	174.1356	0.0000	OK
60 minute summer	S10	33	1.736	0.060	6.2	0.1069	0.0000	OK
60 minute summer	S12	34	1.490	0.078	9.7	0.1383	0.0000	OK
60 minute summer	S11	33	1.680	0.046	3.5	0.0815	0.0000	OK
60 minute summer	S13	33	1.691	0.061	6.4	0.1086	0.0000	OK
60 minute summer	S15	34	1.479	0.113	19.3	0.1994	0.0000	OK
60 minute summer	S14	33	1.633	0.045	3.4	0.0801	0.0000	OK
60 minute summer	S16	34	1.449	0.107	19.3	0.1888	0.0000	OK
60 minute summer	S17	34	1.382	0.116	23.7	0.2042	0.0000	OK
60 minute summer	HW4							
60 minute summer	S1 [CP]	33	1.691	0.078	10.8	0.1114	0.0000	OK
60 minute summer	S2 [CP]	35	1.470	0.131	14.1	0.1871	0.0000	OK
60 minute summer	S2a [CP]	35	1.466	0.198	14.7	0.2832	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S1	1.000	S2	44.4	0.778	0.130	2.5902	
60 minute summer	S2	1.001	S3	49.9	0.782	0.145	2.1200	
60 minute summer	S3	1.002	S4	55.5	0.766	0.162	1.9918	
60 minute summer	S4	1.003	S5	69.8	0.834	0.204	3.4303	
60 minute summer	S5	1.004	S6	83.8	0.785	0.244	4.6456	
60 minute summer	S6	1.005	S3 [CP]	137.2	1.140	0.379	3.5439	
60 minute summer	S8	2.003	S9	41.2	0.539	0.120	3.6960	
60 minute summer	S9	2.004	S6	38.9	0.387	0.113	0.5812	
60 minute summer	S3 [CP]	1.006	Pond	136.5	1.250	0.379	1.1050	
60 minute summer	S4 [control]	1.010	HW3	3.3	0.446	0.022	0.0797	47.1
60 minute summer	Pond	1.009	S4 [control]	3.3	0.197	0.022	0.5968	
60 minute summer	S10	4.000	S12	6.2	0.624	0.087	0.2718	
60 minute summer	S12	4.001	S15	9.6	0.392	0.059	0.4511	
60 minute summer	S11	5.000	S12	3.5	0.530	0.049	0.1158	
60 minute summer	S13	6.000	S15	6.4	0.629	0.089	0.2782	
60 minute summer	S15	4.002	S16	19.3	0.646	0.119	0.2845	
60 minute summer	S14	7.000	S15	3.4	0.527	0.048	0.1121	
60 minute summer	S16	4.003	S17	19.2	0.632	0.120	0.9287	
60 minute summer	S17	4.004	Pond	23.5	0.788	0.146	0.7854	
60 minute summer	S1 [CP]	3.000	S2 [CP]	10.7	0.656	0.151	1.4246	
60 minute summer	S2 [CP]	3.001	S2a [CP]	12.5	0.530	0.176	0.6756	
60 minute summer	S2a [CP]	3.002	S6	14.8	0.279	0.159	0.6447	



Results for 1 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S18	33	1.984	0.069	8.3	0.0778	0.0000	OK
60 minute summer	S19	34	1.664	0.072	8.3	0.0817	0.0000	OK
60 minute summer	S20	34	1.626	0.079	10.7	0.0897	0.0000	OK

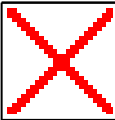
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S18	2.000	S19	8.3	0.668	0.117	0.9745	
60 minute summer	S19	2.001	S20	8.1	0.582	0.114	0.1507	
60 minute summer	S20	2.002	S8	10.5	0.724	0.148	0.5024	



Results for 1 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S1	33	1.797	0.132	35.8	0.2324	0.0000	OK
60 minute winter	S2	33	1.695	0.143	40.7	0.2534	0.0000	OK
60 minute winter	S3	34	1.624	0.155	45.1	0.2735	0.0000	OK
60 minute winter	S4	34	1.570	0.170	57.2	0.3012	0.0000	OK
60 minute winter	S5	35	1.489	0.191	70.0	0.3370	0.0000	OK
60 minute winter	S6	35	1.439	0.249	116.6	0.4404	0.0000	OK
60 minute winter	S8	35	1.452	0.151	35.6	0.2666	0.0000	OK
60 minute winter	S9	35	1.442	0.240	34.7	0.4243	0.0000	OK
60 minute winter	S3 [CP]	36	1.343	0.235	116.3	0.3365	0.0000	OK
60 minute winter	HW1							
60 minute winter	S4 [control]	71	0.892	0.152	3.7	0.2681	0.0000	OK
60 minute winter	HW3	71	0.757	0.041	3.7	0.0000	0.0000	OK
60 minute winter	HW2							
60 minute winter	Pond	71	0.892	0.112	135.6	195.3183	0.0000	OK
60 minute winter	S10	33	1.731	0.055	5.1	0.0971	0.0000	OK
60 minute winter	S12	34	1.480	0.068	8.0	0.1209	0.0000	OK
60 minute winter	S11	33	1.676	0.042	2.9	0.0743	0.0000	OK
60 minute winter	S13	33	1.685	0.055	5.2	0.0980	0.0000	OK
60 minute winter	S15	34	1.468	0.102	15.9	0.1798	0.0000	OK
60 minute winter	S14	33	1.629	0.041	2.8	0.0729	0.0000	OK
60 minute winter	S16	34	1.438	0.096	15.9	0.1702	0.0000	OK
60 minute winter	S17	35	1.371	0.105	19.6	0.1862	0.0000	OK
60 minute winter	HW4							
60 minute winter	S1 [CP]	33	1.683	0.070	8.7	0.1002	0.0000	OK
60 minute winter	S2 [CP]	35	1.445	0.106	11.5	0.1514	0.0000	OK
60 minute winter	S2a [CP]	35	1.441	0.173	12.8	0.2470	0.0000	OK

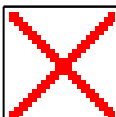
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S1	1.000	S2	35.8	0.738	0.105	2.2016	
60 minute winter	S2	1.001	S3	40.6	0.746	0.118	1.8005	
60 minute winter	S3	1.002	S4	45.1	0.732	0.131	1.6920	
60 minute winter	S4	1.003	S5	57.1	0.802	0.167	2.9195	
60 minute winter	S5	1.004	S6	69.6	0.746	0.203	4.0347	
60 minute winter	S6	1.005	S3 [CP]	116.3	1.093	0.322	3.1365	
60 minute winter	S8	2.003	S9	34.7	0.492	0.101	3.1688	
60 minute winter	S9	2.004	S6	34.1	0.397	0.099	0.5111	
60 minute winter	S3 [CP]	1.006	Pond	116.3	1.194	0.322	0.9843	
60 minute winter	S4 [control]	1.010	HW3	3.7	0.460	0.024	0.0858	52.8
60 minute winter	Pond	1.009	S4 [control]	3.7	0.209	0.024	0.6803	
60 minute winter	S10	4.000	S12	5.1	0.589	0.071	0.2373	
60 minute winter	S12	4.001	S15	7.9	0.383	0.049	0.3827	
60 minute winter	S11	5.000	S12	2.9	0.501	0.041	0.1016	
60 minute winter	S13	6.000	S15	5.2	0.593	0.073	0.2405	
60 minute winter	S15	4.002	S16	15.9	0.617	0.098	0.2456	
60 minute winter	S14	7.000	S15	2.8	0.497	0.039	0.0978	
60 minute winter	S16	4.003	S17	15.9	0.600	0.099	0.8080	
60 minute winter	S17	4.004	Pond	19.5	0.747	0.121	0.6885	
60 minute winter	S1 [CP]	3.000	S2 [CP]	8.7	0.614	0.122	1.1397	
60 minute winter	S2 [CP]	3.001	S2a [CP]	10.9	0.528	0.153	0.5500	
60 minute winter	S2a [CP]	3.002	S6	13.0	0.255	0.139	0.5768	



Results for 1 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S18	33	1.977	0.062	6.7	0.0697	0.0000	OK
60 minute winter	S19	34	1.657	0.065	6.7	0.0731	0.0000	OK
60 minute winter	S20	35	1.619	0.072	8.8	0.0816	0.0000	OK

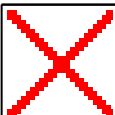
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S18	2.000	S19	6.7	0.627	0.094	0.8388	
60 minute winter	S19	2.001	S20	6.6	0.551	0.093	0.1304	
60 minute winter	S20	2.002	S8	8.8	0.688	0.124	0.4399	



Results for 1 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S1	64	1.783	0.118	29.3	0.2092	0.0000	OK
120 minute summer	S2	64	1.681	0.129	33.3	0.2278	0.0000	OK
120 minute summer	S3	64	1.607	0.138	37.1	0.2445	0.0000	OK
120 minute summer	S4	64	1.553	0.153	47.0	0.2697	0.0000	OK
120 minute summer	S5	66	1.465	0.167	57.2	0.2953	0.0000	OK
120 minute summer	S6	66	1.412	0.222	94.7	0.3923	0.0000	OK
120 minute summer	S8	66	1.425	0.124	29.0	0.2189	0.0000	OK
120 minute summer	S9	66	1.415	0.213	28.4	0.3756	0.0000	OK
120 minute summer	S3 [CP]	66	1.319	0.211	95.0	0.3023	0.0000	OK
120 minute summer	HW1							
120 minute summer	S4 [control]	130	0.900	0.160	3.9	0.2820	0.0000	OK
120 minute summer	HW3	130	0.758	0.042	3.9	0.0000	0.0000	OK
120 minute summer	HW2							
120 minute summer	Pond	130	0.900	0.120	110.7	209.4175	0.0000	OK
120 minute summer	S10	64	1.725	0.049	4.1	0.0872	0.0000	OK
120 minute summer	S12	64	1.472	0.060	6.4	0.1063	0.0000	OK
120 minute summer	S11	64	1.672	0.038	2.3	0.0665	0.0000	OK
120 minute summer	S13	64	1.680	0.050	4.2	0.0883	0.0000	OK
120 minute summer	S15	64	1.457	0.091	12.9	0.1607	0.0000	OK
120 minute summer	S14	64	1.626	0.038	2.3	0.0664	0.0000	OK
120 minute summer	S16	64	1.428	0.086	12.8	0.1517	0.0000	OK
120 minute summer	S17	66	1.361	0.095	15.9	0.1672	0.0000	OK
120 minute summer	HW4							
120 minute summer	S1 [CP]	64	1.676	0.063	7.1	0.0905	0.0000	OK
120 minute summer	S2 [CP]	66	1.418	0.079	9.4	0.1135	0.0000	OK
120 minute summer	S2a [CP]	66	1.413	0.145	10.5	0.2075	0.0000	OK

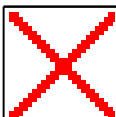
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	S1	1.000	S2	29.3	0.702	0.086	1.8930	
120 minute summer	S2	1.001	S3	33.3	0.714	0.097	1.5431	
120 minute summer	S3	1.002	S4	36.9	0.701	0.107	1.4467	
120 minute summer	S4	1.003	S5	46.5	0.775	0.136	2.4602	
120 minute summer	S5	1.004	S6	56.7	0.719	0.165	3.4148	
120 minute summer	S6	1.005	S3 [CP]	95.0	1.037	0.263	2.6989	
120 minute summer	S8	2.003	S9	28.4	0.474	0.083	2.5868	
120 minute summer	S9	2.004	S6	27.6	0.355	0.080	0.4356	
120 minute summer	S3 [CP]	1.006	Pond	95.0	1.127	0.263	0.8516	
120 minute summer	S4 [control]	1.010	HW3	3.9	0.470	0.026	0.0893	63.4
120 minute summer	Pond	1.009	S4 [control]	3.9	0.143	0.026	0.7368	
120 minute summer	S10	4.000	S12	4.1	0.558	0.057	0.2018	
120 minute summer	S12	4.001	S15	6.4	0.365	0.040	0.3228	
120 minute summer	S11	5.000	S12	2.3	0.474	0.032	0.0854	
120 minute summer	S13	6.000	S15	4.2	0.561	0.059	0.2055	
120 minute summer	S15	4.002	S16	12.8	0.585	0.080	0.2088	
120 minute summer	S14	7.000	S15	2.3	0.475	0.032	0.0843	
120 minute summer	S16	4.003	S17	12.8	0.566	0.080	0.6895	
120 minute summer	S17	4.004	Pond	15.7	0.704	0.098	0.5893	
120 minute summer	S1 [CP]	3.000	S2 [CP]	7.1	0.595	0.100	0.8367	
120 minute summer	S2 [CP]	3.001	S2a [CP]	8.9	0.525	0.125	0.4166	
120 minute summer	S2a [CP]	3.002	S6	10.5	0.249	0.113	0.4945	



Results for 1 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

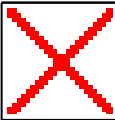
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S18	64	1.971	0.056	5.5	0.0634	0.0000	OK
120 minute summer	S19	64	1.650	0.058	5.5	0.0654	0.0000	OK
120 minute summer	S20	66	1.612	0.065	7.2	0.0731	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	S18	2.000	S19	5.5	0.594	0.077	0.7250	
120 minute summer	S19	2.001	S20	5.4	0.524	0.076	0.1113	
120 minute summer	S20	2.002	S8	7.1	0.650	0.100	0.3763	



Results for 1 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

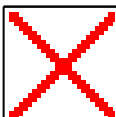
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S1	64	1.769	0.104	22.6	0.1833	0.0000	OK
120 minute winter	S2	64	1.664	0.112	25.7	0.1987	0.0000	OK
120 minute winter	S3	64	1.589	0.120	28.6	0.2121	0.0000	OK
120 minute winter	S4	64	1.533	0.133	36.4	0.2357	0.0000	OK
120 minute winter	S5	66	1.442	0.144	44.5	0.2542	0.0000	OK
120 minute winter	S6	66	1.385	0.195	75.3	0.3452	0.0000	OK
120 minute winter	S8	64	1.403	0.102	22.6	0.1802	0.0000	OK
120 minute winter	S9	66	1.388	0.186	22.6	0.3284	0.0000	OK
120 minute winter	S3 [CP]	66	1.295	0.187	75.4	0.2677	0.0000	OK
120 minute winter	HW1							
120 minute winter	S4 [control]	128	0.914	0.174	4.3	0.3079	0.0000	OK
120 minute winter	HW3	128	0.760	0.044	4.3	0.0000	0.0000	OK
120 minute winter	HW2							
120 minute winter	Pond	128	0.915	0.135	87.8	235.7391	0.0000	OK
120 minute winter	S10	64	1.720	0.044	3.2	0.0773	0.0000	OK
120 minute winter	S12	64	1.466	0.054	5.0	0.0946	0.0000	OK
120 minute winter	S11	66	1.668	0.034	1.8	0.0593	0.0000	OK
120 minute winter	S13	64	1.674	0.044	3.3	0.0784	0.0000	OK
120 minute winter	S15	64	1.446	0.080	10.1	0.1417	0.0000	OK
120 minute winter	S14	64	1.621	0.033	1.8	0.0591	0.0000	OK
120 minute winter	S16	64	1.418	0.076	10.1	0.1338	0.0000	OK
120 minute winter	S17	66	1.350	0.084	12.5	0.1492	0.0000	OK
120 minute winter	HW4							
120 minute winter	S1 [CP]	64	1.669	0.056	5.5	0.0799	0.0000	OK
120 minute winter	S2 [CP]	64	1.403	0.064	7.3	0.0917	0.0000	OK
120 minute winter	S2a [CP]	66	1.386	0.118	8.6	0.1684	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	S1	1.000	S2	22.6	0.657	0.066	1.5609	
120 minute winter	S2	1.001	S3	25.7	0.672	0.075	1.2643	
120 minute winter	S3	1.002	S4	28.6	0.660	0.083	1.1882	
120 minute winter	S4	1.003	S5	36.2	0.738	0.106	2.0130	
120 minute winter	S5	1.004	S6	44.4	0.680	0.130	2.8251	
120 minute winter	S6	1.005	S3 [CP]	75.4	0.976	0.209	2.2744	
120 minute winter	S8	2.003	S9	22.6	0.440	0.066	2.0818	
120 minute winter	S9	2.004	S6	22.3	0.307	0.065	0.3639	
120 minute winter	S3 [CP]	1.006	Pond	75.4	1.057	0.209	0.7210	
120 minute winter	S4 [control]	1.010	HW3	4.3	0.486	0.028	0.0951	70.6
120 minute winter	Pond	1.009	S4 [control]	4.3	0.159	0.028	0.8440	
120 minute winter	S10	4.000	S12	3.2	0.520	0.045	0.1690	
120 minute winter	S12	4.001	S15	5.0	0.341	0.031	0.2704	
120 minute winter	S11	5.000	S12	1.8	0.444	0.025	0.0714	
120 minute winter	S13	6.000	S15	3.3	0.525	0.046	0.1727	
120 minute winter	S15	4.002	S16	10.1	0.551	0.062	0.1741	
120 minute winter	S14	7.000	S15	1.8	0.445	0.025	0.0705	
120 minute winter	S16	4.003	S17	10.1	0.529	0.063	0.5809	
120 minute winter	S17	4.004	Pond	12.4	0.657	0.077	0.4982	
120 minute winter	S1 [CP]	3.000	S2 [CP]	5.5	0.551	0.077	0.6638	
120 minute winter	S2 [CP]	3.001	S2a [CP]	7.3	0.513	0.102	0.3133	
120 minute winter	S2a [CP]	3.002	S6	8.5	0.239	0.091	0.4094	



Results for 1 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

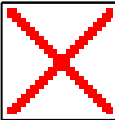
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S18	62	1.964	0.049	4.2	0.0555	0.0000	OK
120 minute winter	S19	66	1.643	0.051	4.2	0.0571	0.0000	OK
120 minute winter	S20	66	1.604	0.057	5.6	0.0650	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	S18	2.000	S19	4.2	0.551	0.059	0.5973	
120 minute winter	S19	2.001	S20	4.2	0.489	0.059	0.0930	
120 minute winter	S20	2.002	S8	5.6	0.608	0.079	0.3175	



Results for 1 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%

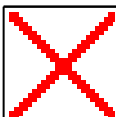
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S1	124	1.759	0.094	18.8	0.1666	0.0000	OK
240 minute summer	S2	124	1.654	0.102	21.3	0.1794	0.0000	OK
240 minute summer	S3	124	1.576	0.107	23.4	0.1897	0.0000	OK
240 minute summer	S4	124	1.520	0.120	29.6	0.2112	0.0000	OK
240 minute summer	S5	128	1.426	0.128	36.2	0.2266	0.0000	OK
240 minute summer	S6	128	1.365	0.175	61.0	0.3084	0.0000	OK
240 minute summer	S8	124	1.394	0.093	18.7	0.1639	0.0000	OK
240 minute summer	S9	128	1.367	0.165	18.6	0.2913	0.0000	OK
240 minute summer	S3 [CP]	128	1.276	0.168	61.4	0.2411	0.0000	OK
240 minute summer	HW1							
240 minute summer	S4 [control]	248	0.918	0.178	4.4	0.3145	0.0000	OK
240 minute summer	HW3	248	0.760	0.044	4.4	0.0000	0.0000	OK
240 minute summer	HW2							
240 minute summer	Pond	248	0.918	0.138	71.7	242.4781	0.0000	OK
240 minute summer	S10	124	1.716	0.040	2.7	0.0707	0.0000	OK
240 minute summer	S12	124	1.461	0.049	4.1	0.0863	0.0000	OK
240 minute summer	S11	124	1.665	0.031	1.5	0.0540	0.0000	OK
240 minute summer	S13	124	1.670	0.040	2.7	0.0710	0.0000	OK
240 minute summer	S15	124	1.438	0.072	8.3	0.1275	0.0000	OK
240 minute summer	S14	124	1.618	0.030	1.5	0.0539	0.0000	OK
240 minute summer	S16	128	1.410	0.068	8.2	0.1199	0.0000	OK
240 minute summer	S17	128	1.343	0.077	10.1	0.1355	0.0000	OK
240 minute summer	HW4							
240 minute summer	S1 [CP]	124	1.664	0.051	4.6	0.0728	0.0000	OK
240 minute summer	S2 [CP]	124	1.397	0.058	6.0	0.0830	0.0000	OK
240 minute summer	S2a [CP]	128	1.365	0.097	7.0	0.1382	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	S1	1.000	S2	18.7	0.625	0.055	1.3521	
240 minute summer	S2	1.001	S3	21.0	0.641	0.061	1.0829	
240 minute summer	S3	1.002	S4	23.1	0.627	0.067	1.0136	
240 minute summer	S4	1.003	S5	29.3	0.702	0.086	1.7109	
240 minute summer	S5	1.004	S6	36.0	0.649	0.105	2.4095	
240 minute summer	S6	1.005	S3 [CP]	61.4	0.925	0.170	1.9551	
240 minute summer	S8	2.003	S9	18.6	0.423	0.054	1.7676	
240 minute summer	S9	2.004	S6	18.1	0.315	0.053	0.3096	
240 minute summer	S3 [CP]	1.006	Pond	61.5	0.997	0.171	0.6238	
240 minute summer	S4 [control]	1.010	HW3	4.4	0.489	0.029	0.0960	89.1
240 minute summer	Pond	1.009	S4 [control]	4.4	0.116	0.029	0.8717	
240 minute summer	S10	4.000	S12	2.7	0.494	0.037	0.1481	
240 minute summer	S12	4.001	S15	4.1	0.324	0.025	0.2333	
240 minute summer	S11	5.000	S12	1.5	0.417	0.021	0.0623	
240 minute summer	S13	6.000	S15	2.7	0.495	0.038	0.1489	
240 minute summer	S15	4.002	S16	8.2	0.525	0.051	0.1489	
240 minute summer	S14	7.000	S15	1.5	0.418	0.021	0.0616	
240 minute summer	S16	4.003	S17	8.2	0.499	0.051	0.5008	
240 minute summer	S17	4.004	Pond	10.2	0.622	0.063	0.4304	
240 minute summer	S1 [CP]	3.000	S2 [CP]	4.5	0.522	0.064	0.5775	
240 minute summer	S2 [CP]	3.001	S2a [CP]	5.9	0.504	0.084	0.2486	
240 minute summer	S2a [CP]	3.002	S6	6.9	0.235	0.074	0.3426	



Results for 1 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%

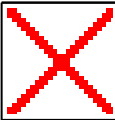
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
240 minute summer	S18	124	1.960	0.045	3.5	0.0506	0.0000	OK
240 minute summer	S19	128	1.637	0.045	3.5	0.0511	0.0000	OK
240 minute summer	S20	128	1.599	0.052	4.6	0.0587	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
240 minute summer	S18	2.000	S19	3.5	0.524	0.049	0.5145	
240 minute summer	S19	2.001	S20	3.4	0.462	0.048	0.0797	
240 minute summer	S20	2.002	S8	4.6	0.574	0.064	0.2732	



Results for 1 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%

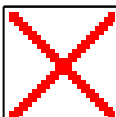
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S1	124	1.746	0.081	14.0	0.1439	0.0000	OK
240 minute winter	S2	124	1.640	0.088	15.9	0.1552	0.0000	OK
240 minute winter	S3	128	1.562	0.093	17.6	0.1640	0.0000	OK
240 minute winter	S4	124	1.504	0.104	22.4	0.1832	0.0000	OK
240 minute winter	S5	128	1.410	0.112	27.5	0.1984	0.0000	OK
240 minute winter	S6	128	1.341	0.151	46.7	0.2666	0.0000	OK
240 minute winter	S8	124	1.382	0.081	14.0	0.1428	0.0000	OK
240 minute winter	S9	128	1.343	0.141	13.9	0.2492	0.0000	OK
240 minute winter	S3 [CP]	128	1.254	0.146	46.7	0.2091	0.0000	OK
240 minute winter	HW1							
240 minute winter	S4 [control]	244	0.936	0.196	4.6	0.3463	0.0000	OK
240 minute winter	HW3	244	0.761	0.045	4.6	0.0000	0.0000	OK
240 minute winter	HW2							
240 minute winter	Pond	244	0.936	0.156	54.4	275.1982	0.0000	OK
240 minute winter	S10	124	1.711	0.035	2.0	0.0616	0.0000	OK
240 minute winter	S12	124	1.454	0.042	3.1	0.0751	0.0000	OK
240 minute winter	S11	128	1.661	0.027	1.1	0.0470	0.0000	OK
240 minute winter	S13	128	1.665	0.035	2.0	0.0619	0.0000	OK
240 minute winter	S15	124	1.428	0.062	6.2	0.1103	0.0000	OK
240 minute winter	S14	128	1.615	0.027	1.1	0.0469	0.0000	OK
240 minute winter	S16	128	1.401	0.059	6.2	0.1048	0.0000	OK
240 minute winter	S17	128	1.333	0.067	7.7	0.1186	0.0000	OK
240 minute winter	HW4							
240 minute winter	S1 [CP]	128	1.657	0.044	3.4	0.0633	0.0000	OK
240 minute winter	S2 [CP]	128	1.390	0.051	4.5	0.0725	0.0000	OK
240 minute winter	S2a [CP]	128	1.341	0.073	5.3	0.1038	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	S1	1.000	S2	14.0	0.578	0.041	1.0946	
240 minute winter	S2	1.001	S3	15.8	0.597	0.046	0.8771	
240 minute winter	S3	1.002	S4	17.6	0.587	0.051	0.8232	
240 minute winter	S4	1.003	S5	22.4	0.651	0.065	1.4081	
240 minute winter	S5	1.004	S6	27.5	0.602	0.080	1.9755	
240 minute winter	S6	1.005	S3 [CP]	46.7	0.861	0.129	1.5967	
240 minute winter	S8	2.003	S9	13.9	0.391	0.041	1.4361	
240 minute winter	S9	2.004	S6	13.9	0.263	0.040	0.2505	
240 minute winter	S3 [CP]	1.006	Pond	46.7	0.926	0.129	0.5099	
240 minute winter	S4 [control]	1.010	HW3	4.6	0.495	0.030	0.0986	96.7
240 minute winter	Pond	1.009	S4 [control]	4.6	0.121	0.030	1.0080	
240 minute winter	S10	4.000	S12	2.0	0.459	0.028	0.1187	
240 minute winter	S12	4.001	S15	3.1	0.298	0.019	0.1896	
240 minute winter	S11	5.000	S12	1.1	0.386	0.016	0.0501	
240 minute winter	S13	6.000	S15	2.0	0.460	0.028	0.1196	
240 minute winter	S15	4.002	S16	6.2	0.482	0.038	0.1215	
240 minute winter	S14	7.000	S15	1.1	0.387	0.015	0.0495	
240 minute winter	S16	4.003	S17	6.2	0.456	0.038	0.4124	
240 minute winter	S17	4.004	Pond	7.7	0.570	0.048	0.3546	
240 minute winter	S1 [CP]	3.000	S2 [CP]	3.4	0.478	0.048	0.4733	
240 minute winter	S2 [CP]	3.001	S2a [CP]	4.5	0.510	0.063	0.1797	
240 minute winter	S2a [CP]	3.002	S6	5.3	0.232	0.057	0.2682	



Results for 1 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S18	124	1.954	0.039	2.6	0.0442	0.0000	OK
240 minute winter	S19	128	1.631	0.039	2.6	0.0444	0.0000	OK
240 minute winter	S20	124	1.592	0.045	3.5	0.0514	0.0000	OK

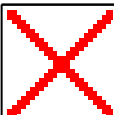
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	S18	2.000	S19	2.6	0.483	0.037	0.4208	
240 minute winter	S19	2.001	S20	2.6	0.431	0.037	0.0654	
240 minute winter	S20	2.002	S8	3.5	0.533	0.049	0.2240	



Results for 1 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S1	184	1.747	0.082	14.4	0.1457	0.0000	OK
360 minute summer	S2	184	1.641	0.089	16.3	0.1565	0.0000	OK
360 minute summer	S3	184	1.562	0.093	17.9	0.1647	0.0000	OK
360 minute summer	S4	184	1.504	0.104	22.7	0.1839	0.0000	OK
360 minute summer	S5	184	1.410	0.112	27.8	0.1981	0.0000	OK
360 minute summer	S6	184	1.340	0.150	46.5	0.2649	0.0000	OK
360 minute summer	S8	184	1.383	0.082	14.3	0.1441	0.0000	OK
360 minute summer	S9	184	1.342	0.140	14.2	0.2476	0.0000	OK
360 minute summer	S3 [CP]	184	1.253	0.145	46.0	0.2070	0.0000	OK
360 minute summer	HW1							
360 minute summer	S4 [control]	360	0.926	0.186	4.5	0.3279	0.0000	OK
360 minute summer	HW3	368	0.760	0.044	4.5	0.0000	0.0000	OK
360 minute summer	HW2							
360 minute summer	Pond	360	0.926	0.146	53.2	256.2420	0.0000	OK
360 minute summer	S10	184	1.711	0.035	2.0	0.0616	0.0000	OK
360 minute summer	S12	184	1.455	0.043	3.2	0.0758	0.0000	OK
360 minute summer	S11	184	1.661	0.027	1.2	0.0486	0.0000	OK
360 minute summer	S13	184	1.666	0.036	2.1	0.0628	0.0000	OK
360 minute summer	S15	184	1.429	0.063	6.3	0.1111	0.0000	OK
360 minute summer	S14	184	1.614	0.026	1.1	0.0467	0.0000	OK
360 minute summer	S16	184	1.401	0.059	6.2	0.1050	0.0000	OK
360 minute summer	S17	184	1.333	0.067	7.7	0.1179	0.0000	OK
360 minute summer	HW4							
360 minute summer	S1 [CP]	184	1.658	0.045	3.5	0.0637	0.0000	OK
360 minute summer	S2 [CP]	184	1.389	0.050	4.5	0.0722	0.0000	OK
360 minute summer	S2a [CP]	184	1.339	0.071	5.4	0.1023	0.0000	OK

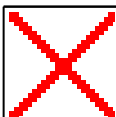
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	S1	1.000	S2	14.3	0.582	0.042	1.1112	
360 minute summer	S2	1.001	S3	16.0	0.599	0.047	0.8854	
360 minute summer	S3	1.002	S4	17.7	0.587	0.052	0.8286	
360 minute summer	S4	1.003	S5	22.5	0.652	0.066	1.4111	
360 minute summer	S5	1.004	S6	27.4	0.604	0.080	1.9630	
360 minute summer	S6	1.005	S3 [CP]	46.0	0.858	0.127	1.5783	
360 minute summer	S8	2.003	S9	14.2	0.398	0.041	1.4352	
360 minute summer	S9	2.004	S6	13.9	0.265	0.040	0.2483	
360 minute summer	S3 [CP]	1.006	Pond	45.7	0.918	0.127	0.5023	
360 minute summer	S4 [control]	1.010	HW3	4.5	0.492	0.029	0.0975	111.0
360 minute summer	Pond	1.009	S4 [control]	4.5	0.108	0.029	0.9288	
360 minute summer	S10	4.000	S12	2.0	0.458	0.028	0.1187	
360 minute summer	S12	4.001	S15	3.1	0.301	0.019	0.1919	
360 minute summer	S11	5.000	S12	1.2	0.392	0.017	0.0530	
360 minute summer	S13	6.000	S15	2.1	0.464	0.029	0.1225	
360 minute summer	S15	4.002	S16	6.2	0.485	0.039	0.1223	
360 minute summer	S14	7.000	S15	1.1	0.386	0.015	0.0491	
360 minute summer	S16	4.003	S17	6.2	0.459	0.038	0.4106	
360 minute summer	S17	4.004	Pond	7.5	0.567	0.047	0.3505	
360 minute summer	S1 [CP]	3.000	S2 [CP]	3.4	0.483	0.048	0.4740	
360 minute summer	S2 [CP]	3.001	S2a [CP]	4.5	0.493	0.063	0.1770	
360 minute summer	S2a [CP]	3.002	S6	5.2	0.230	0.056	0.2651	



Results for 1 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 100.00%

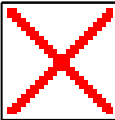
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S18	184	1.955	0.040	2.7	0.0447	0.0000	OK
360 minute summer	S19	184	1.631	0.039	2.6	0.0443	0.0000	OK
360 minute summer	S20	184	1.592	0.045	3.5	0.0511	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	S18	2.000	S19	2.6	0.488	0.037	0.4235	
360 minute summer	S19	2.001	S20	2.6	0.430	0.036	0.0649	
360 minute summer	S20	2.002	S8	3.4	0.531	0.048	0.2217	



Results for 1 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 100.00%

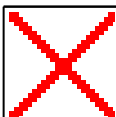
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S1	184	1.736	0.071	10.5	0.1250	0.0000	OK
360 minute winter	S2	184	1.628	0.076	11.9	0.1344	0.0000	OK
360 minute winter	S3	184	1.549	0.080	13.2	0.1413	0.0000	OK
360 minute winter	S4	184	1.489	0.089	16.8	0.1579	0.0000	OK
360 minute winter	S5	184	1.395	0.097	20.6	0.1720	0.0000	OK
360 minute winter	S6	184	1.319	0.129	34.9	0.2284	0.0000	OK
360 minute winter	S8	184	1.371	0.070	10.5	0.1245	0.0000	OK
360 minute winter	S9	184	1.321	0.119	10.4	0.2107	0.0000	OK
360 minute winter	S3 [CP]	184	1.234	0.126	34.8	0.1796	0.0000	OK
360 minute winter	HW1							
360 minute winter	S4 [control]	360	0.945	0.205	4.6	0.3630	0.0000	OK
360 minute winter	HW3	360	0.761	0.045	4.6	0.0000	0.0000	OK
360 minute winter	HW2							
360 minute winter	Pond	360	0.946	0.166	40.3	292.3932	0.0000	OK
360 minute winter	S10	184	1.706	0.030	1.5	0.0537	0.0000	OK
360 minute winter	S12	184	1.449	0.037	2.3	0.0654	0.0000	OK
360 minute winter	S11	184	1.657	0.023	0.8	0.0407	0.0000	OK
360 minute winter	S13	192	1.661	0.031	1.5	0.0539	0.0000	OK
360 minute winter	S15	184	1.420	0.054	4.6	0.0953	0.0000	OK
360 minute winter	S14	184	1.611	0.023	0.8	0.0406	0.0000	OK
360 minute winter	S16	184	1.393	0.051	4.6	0.0910	0.0000	OK
360 minute winter	S17	184	1.324	0.058	5.7	0.1029	0.0000	OK
360 minute winter	HW4							
360 minute winter	S1 [CP]	184	1.652	0.039	2.6	0.0555	0.0000	OK
360 minute winter	S2 [CP]	184	1.383	0.044	3.4	0.0632	0.0000	OK
360 minute winter	S2a [CP]	184	1.319	0.051	4.0	0.0723	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	S1	1.000	S2	10.5	0.534	0.031	0.8886	
360 minute winter	S2	1.001	S3	11.8	0.553	0.035	0.7085	
360 minute winter	S3	1.002	S4	13.2	0.546	0.038	0.6638	
360 minute winter	S4	1.003	S5	16.8	0.602	0.049	1.1415	
360 minute winter	S5	1.004	S6	20.5	0.556	0.060	1.5941	
360 minute winter	S6	1.005	S3 [CP]	34.8	0.797	0.096	1.2841	
360 minute winter	S8	2.003	S9	10.4	0.366	0.030	1.1452	
360 minute winter	S9	2.004	S6	10.4	0.247	0.030	0.1992	
360 minute winter	S3 [CP]	1.006	Pond	34.7	0.856	0.096	0.4099	
360 minute winter	S4 [control]	1.010	HW3	4.6	0.498	0.030	0.0995	118.8
360 minute winter	Pond	1.009	S4 [control]	4.6	0.115	0.030	1.0801	
360 minute winter	S10	4.000	S12	1.5	0.420	0.021	0.0972	
360 minute winter	S12	4.001	S15	2.3	0.274	0.014	0.1535	
360 minute winter	S11	5.000	S12	0.8	0.359	0.011	0.0392	
360 minute winter	S13	6.000	S15	1.5	0.422	0.021	0.0978	
360 minute winter	S15	4.002	S16	4.6	0.442	0.028	0.0984	
360 minute winter	S14	7.000	S15	0.8	0.360	0.011	0.0387	
360 minute winter	S16	4.003	S17	4.6	0.416	0.028	0.3349	
360 minute winter	S17	4.004	Pond	5.7	0.528	0.035	0.2822	
360 minute winter	S1 [CP]	3.000	S2 [CP]	2.6	0.441	0.036	0.3892	
360 minute winter	S2 [CP]	3.001	S2a [CP]	3.4	0.510	0.047	0.1221	
360 minute winter	S2a [CP]	3.002	S6	4.0	0.232	0.043	0.2033	



Results for 1 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S18	184	1.949	0.034	2.0	0.0390	0.0000	OK
360 minute winter	S19	184	1.626	0.034	2.0	0.0386	0.0000	OK
360 minute winter	S20	184	1.586	0.039	2.6	0.0444	0.0000	OK

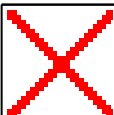
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	S18	2.000	S19	2.0	0.448	0.028	0.3466	
360 minute winter	S19	2.001	S20	2.0	0.401	0.028	0.0530	
360 minute winter	S20	2.002	S8	2.6	0.489	0.036	0.1798	



Results for 1 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S1	315	1.732	0.067	9.4	0.1188	0.0000	OK
600 minute summer	S2	315	1.624	0.072	10.7	0.1278	0.0000	OK
600 minute summer	S3	315	1.545	0.076	11.9	0.1341	0.0000	OK
600 minute summer	S4	315	1.485	0.085	15.1	0.1496	0.0000	OK
600 minute summer	S5	315	1.391	0.093	18.5	0.1637	0.0000	OK
600 minute summer	S6	315	1.313	0.123	31.5	0.2170	0.0000	OK
600 minute summer	S8	315	1.368	0.067	9.4	0.1186	0.0000	OK
600 minute summer	S9	315	1.315	0.113	9.4	0.1991	0.0000	OK
600 minute summer	S3 [CP]	315	1.228	0.120	31.5	0.1711	0.0000	OK
600 minute summer	HW1							
600 minute summer	S4 [control]	510	0.933	0.193	4.5	0.3412	0.0000	OK
600 minute summer	HW3	510	0.761	0.045	4.5	0.0000	0.0000	OK
600 minute summer	HW2							
600 minute summer	Pond	510	0.933	0.153	36.6	269.8868	0.0000	OK
600 minute summer	S10	315	1.705	0.029	1.3	0.0504	0.0000	OK
600 minute summer	S12	315	1.447	0.035	2.0	0.0615	0.0000	OK
600 minute summer	S11	315	1.656	0.022	0.7	0.0383	0.0000	OK
600 minute summer	S13	315	1.660	0.030	1.4	0.0522	0.0000	OK
600 minute summer	S15	315	1.417	0.051	4.1	0.0904	0.0000	OK
600 minute summer	S14	315	1.610	0.022	0.7	0.0382	0.0000	OK
600 minute summer	S16	315	1.391	0.049	4.1	0.0865	0.0000	OK
600 minute summer	S17	315	1.322	0.056	5.1	0.0981	0.0000	OK
600 minute summer	HW4							
600 minute summer	S1 [CP]	315	1.650	0.037	2.3	0.0525	0.0000	OK
600 minute summer	S2 [CP]	315	1.381	0.042	3.0	0.0606	0.0000	OK
600 minute summer	S2a [CP]	315	1.312	0.044	3.6	0.0633	0.0000	OK

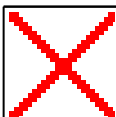
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S1	1.000	S2	9.4	0.517	0.027	0.8244	
600 minute summer	S2	1.001	S3	10.7	0.538	0.031	0.6575	
600 minute summer	S3	1.002	S4	11.9	0.533	0.035	0.6146	
600 minute summer	S4	1.003	S5	15.1	0.584	0.044	1.0584	
600 minute summer	S5	1.004	S6	18.5	0.540	0.054	1.4813	
600 minute summer	S6	1.005	S3 [CP]	31.5	0.776	0.087	1.1954	
600 minute summer	S8	2.003	S9	9.4	0.360	0.027	1.0590	
600 minute summer	S9	2.004	S6	9.4	0.241	0.027	0.1844	
600 minute summer	S3 [CP]	1.006	Pond	31.5	0.832	0.087	0.3826	
600 minute summer	S4 [control]	1.010	HW3	4.5	0.495	0.030	0.0983	151.4
600 minute summer	Pond	1.009	S4 [control]	4.5	0.105	0.030	0.9858	
600 minute summer	S10	4.000	S12	1.3	0.403	0.018	0.0887	
600 minute summer	S12	4.001	S15	2.0	0.261	0.012	0.1413	
600 minute summer	S11	5.000	S12	0.7	0.348	0.010	0.0356	
600 minute summer	S13	6.000	S15	1.4	0.413	0.020	0.0933	
600 minute summer	S15	4.002	S16	4.1	0.429	0.025	0.0911	
600 minute summer	S14	7.000	S15	0.7	0.349	0.010	0.0351	
600 minute summer	S16	4.003	S17	4.1	0.402	0.026	0.3118	
600 minute summer	S17	4.004	Pond	5.1	0.513	0.032	0.2628	
600 minute summer	S1 [CP]	3.000	S2 [CP]	2.3	0.422	0.032	0.3629	
600 minute summer	S2 [CP]	3.001	S2a [CP]	3.0	0.495	0.042	0.1071	
600 minute summer	S2a [CP]	3.002	S6	3.6	0.227	0.039	0.1852	



Results for 1 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S18	315	1.948	0.033	1.8	0.0372	0.0000	OK
600 minute summer	S19	315	1.625	0.033	1.8	0.0369	0.0000	OK
600 minute summer	S20	315	1.585	0.038	2.4	0.0431	0.0000	OK

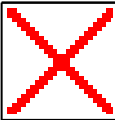
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S18	2.000	S19	1.8	0.435	0.025	0.3235	
600 minute summer	S19	2.001	S20	1.8	0.387	0.025	0.0502	
600 minute summer	S20	2.002	S8	2.4	0.482	0.034	0.1716	



Results for 1 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S1	315	1.724	0.059	7.2	0.1046	0.0000	OK
600 minute winter	S2	315	1.616	0.064	8.2	0.1125	0.0000	OK
600 minute winter	S3	315	1.535	0.066	9.1	0.1171	0.0000	OK
600 minute winter	S4	315	1.474	0.074	11.6	0.1311	0.0000	OK
600 minute winter	S5	315	1.380	0.082	14.2	0.1441	0.0000	OK
600 minute winter	S6	315	1.297	0.107	24.0	0.1889	0.0000	OK
600 minute winter	S8	315	1.360	0.059	7.1	0.1037	0.0000	OK
600 minute winter	S9	315	1.299	0.097	7.1	0.1708	0.0000	OK
600 minute winter	S3 [CP]	315	1.212	0.104	24.0	0.1493	0.0000	OK
600 minute winter	HW1							
600 minute winter	S4 [control]	570	0.953	0.213	4.7	0.3764	0.0000	OK
600 minute winter	HW3	570	0.761	0.045	4.7	0.0000	0.0000	OK
600 minute winter	HW2							
600 minute winter	Pond	570	0.953	0.173	28.0	306.3639	0.0000	OK
600 minute winter	S10	300	1.701	0.025	1.0	0.0448	0.0000	OK
600 minute winter	S12	315	1.443	0.031	1.6	0.0556	0.0000	OK
600 minute winter	S11	315	1.654	0.020	0.6	0.0358	0.0000	OK
600 minute winter	S13	300	1.655	0.025	1.0	0.0448	0.0000	OK
600 minute winter	S15	315	1.411	0.045	3.2	0.0799	0.0000	OK
600 minute winter	S14	315	1.608	0.020	0.6	0.0357	0.0000	OK
600 minute winter	S16	315	1.385	0.043	3.2	0.0768	0.0000	OK
600 minute winter	S17	315	1.316	0.050	4.0	0.0878	0.0000	OK
600 minute winter	HW4							
600 minute winter	S1 [CP]	300	1.645	0.032	1.7	0.0455	0.0000	OK
600 minute winter	S2 [CP]	315	1.377	0.038	2.3	0.0538	0.0000	OK
600 minute winter	S2a [CP]	315	1.303	0.035	2.7	0.0499	0.0000	OK

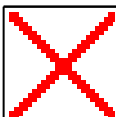
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S1	1.000	S2	7.2	0.478	0.021	0.6833	
600 minute winter	S2	1.001	S3	8.2	0.501	0.024	0.5407	
600 minute winter	S3	1.002	S4	9.1	0.495	0.027	0.5046	
600 minute winter	S4	1.003	S5	11.6	0.543	0.034	0.8764	
600 minute winter	S5	1.004	S6	14.2	0.503	0.041	1.2207	
600 minute winter	S6	1.005	S3 [CP]	24.0	0.721	0.066	0.9807	
600 minute winter	S8	2.003	S9	7.1	0.335	0.021	0.8557	
600 minute winter	S9	2.004	S6	7.1	0.225	0.021	0.1495	
600 minute winter	S3 [CP]	1.006	Pond	24.0	0.774	0.067	0.3132	
600 minute winter	S4 [control]	1.010	HW3	4.7	0.499	0.031	0.1002	160.7
600 minute winter	Pond	1.009	S4 [control]	4.7	0.106	0.030	1.1388	
600 minute winter	S10	4.000	S12	1.0	0.380	0.014	0.0724	
600 minute winter	S12	4.001	S15	1.6	0.248	0.010	0.1191	
600 minute winter	S11	5.000	S12	0.6	0.332	0.008	0.0319	
600 minute winter	S13	6.000	S15	1.0	0.380	0.014	0.0724	
600 minute winter	S15	4.002	S16	3.2	0.399	0.020	0.0764	
600 minute winter	S14	7.000	S15	0.6	0.332	0.008	0.0315	
600 minute winter	S16	4.003	S17	3.2	0.371	0.020	0.2633	
600 minute winter	S17	4.004	Pond	4.0	0.474	0.025	0.2225	
600 minute winter	S1 [CP]	3.000	S2 [CP]	1.7	0.383	0.024	0.2999	
600 minute winter	S2 [CP]	3.001	S2a [CP]	2.3	0.478	0.032	0.0825	
600 minute winter	S2a [CP]	3.002	S6	2.7	0.213	0.029	0.1493	



Results for 1 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 100.00%

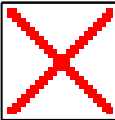
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S18	315	1.943	0.028	1.3	0.0318	0.0000	OK
600 minute winter	S19	300	1.620	0.028	1.3	0.0316	0.0000	OK
600 minute winter	S20	300	1.579	0.032	1.7	0.0367	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S18	2.000	S19	1.3	0.394	0.018	0.2575	
600 minute winter	S19	2.001	S20	1.3	0.353	0.018	0.0398	
600 minute winter	S20	2.002	S8	1.7	0.438	0.024	0.1336	



Results for 1 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

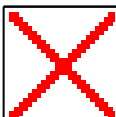
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S1	495	1.723	0.058	6.9	0.1025	0.0000	OK
960 minute summer	S2	495	1.614	0.062	7.8	0.1096	0.0000	OK
960 minute summer	S3	495	1.534	0.065	8.7	0.1145	0.0000	OK
960 minute summer	S4	495	1.473	0.073	11.1	0.1284	0.0000	OK
960 minute summer	S5	495	1.378	0.080	13.6	0.1412	0.0000	OK
960 minute summer	S6	495	1.295	0.105	23.1	0.1853	0.0000	OK
960 minute summer	S8	495	1.359	0.058	6.9	0.1023	0.0000	OK
960 minute summer	S9	495	1.297	0.095	6.9	0.1672	0.0000	OK
960 minute summer	S3 [CP]	495	1.210	0.102	23.1	0.1464	0.0000	OK
960 minute summer	HW1							
960 minute summer	S4 [control]	705	0.938	0.198	4.6	0.3497	0.0000	OK
960 minute summer	HW3	705	0.761	0.045	4.6	0.0000	0.0000	OK
960 minute summer	HW2							
960 minute summer	Pond	705	0.938	0.158	26.8	278.6899	0.0000	OK
960 minute summer	S10	495	1.701	0.025	1.0	0.0448	0.0000	OK
960 minute summer	S12	495	1.443	0.031	1.5	0.0540	0.0000	OK
960 minute summer	S11	480	1.653	0.019	0.5	0.0329	0.0000	OK
960 minute summer	S13	495	1.655	0.025	1.0	0.0448	0.0000	OK
960 minute summer	S15	495	1.410	0.044	3.0	0.0774	0.0000	OK
960 minute summer	S14	480	1.607	0.019	0.5	0.0328	0.0000	OK
960 minute summer	S16	495	1.384	0.042	3.0	0.0745	0.0000	OK
960 minute summer	S17	495	1.314	0.048	3.7	0.0847	0.0000	OK
960 minute summer	HW4							
960 minute summer	S1 [CP]	495	1.645	0.032	1.7	0.0455	0.0000	OK
960 minute summer	S2 [CP]	495	1.376	0.037	2.2	0.0526	0.0000	OK
960 minute summer	S2a [CP]	495	1.302	0.034	2.6	0.0490	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S1	1.000	S2	6.9	0.474	0.020	0.6607	
960 minute summer	S2	1.001	S3	7.8	0.494	0.023	0.5223	
960 minute summer	S3	1.002	S4	8.7	0.489	0.025	0.4890	
960 minute summer	S4	1.003	S5	11.1	0.535	0.032	0.8500	
960 minute summer	S5	1.004	S6	13.6	0.496	0.040	1.1856	
960 minute summer	S6	1.005	S3 [CP]	23.1	0.714	0.064	0.9536	
960 minute summer	S8	2.003	S9	6.9	0.334	0.020	0.8322	
960 minute summer	S9	2.004	S6	6.9	0.225	0.020	0.1451	
960 minute summer	S3 [CP]	1.006	Pond	23.1	0.767	0.064	0.3044	
960 minute summer	S4 [control]	1.010	HW3	4.6	0.496	0.030	0.0988	209.8
960 minute summer	Pond	1.009	S4 [control]	4.6	0.103	0.030	1.0226	
960 minute summer	S10	4.000	S12	1.0	0.380	0.014	0.0724	
960 minute summer	S12	4.001	S15	1.5	0.243	0.009	0.1138	
960 minute summer	S11	5.000	S12	0.5	0.312	0.007	0.0282	
960 minute summer	S13	6.000	S15	1.0	0.380	0.014	0.0724	
960 minute summer	S15	4.002	S16	3.0	0.391	0.019	0.0729	
960 minute summer	S14	7.000	S15	0.5	0.313	0.007	0.0278	
960 minute summer	S16	4.003	S17	3.0	0.365	0.019	0.2507	
960 minute summer	S17	4.004	Pond	3.7	0.461	0.023	0.2113	
960 minute summer	S1 [CP]	3.000	S2 [CP]	1.7	0.383	0.024	0.2947	
960 minute summer	S2 [CP]	3.001	S2a [CP]	2.2	0.471	0.031	0.0802	
960 minute summer	S2a [CP]	3.002	S6	2.6	0.211	0.028	0.1454	



Results for 1 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

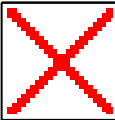
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
960 minute summer	S18	495	1.943	0.028	1.3	0.0318	0.0000	OK
960 minute summer	S19	495	1.620	0.028	1.3	0.0316	0.0000	OK
960 minute summer	S20	495	1.579	0.032	1.7	0.0367	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
960 minute summer	S18	2.000	S19	1.3	0.394	0.018	0.2575	
960 minute summer	S19	2.001	S20	1.3	0.353	0.018	0.0398	
960 minute summer	S20	2.002	S8	1.7	0.438	0.024	0.1336	



Results for 1 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

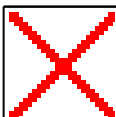
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S1	495	1.715	0.050	5.1	0.0890	0.0000	OK
960 minute winter	S2	495	1.606	0.054	5.8	0.0948	0.0000	OK
960 minute winter	S3	495	1.525	0.056	6.5	0.0995	0.0000	OK
960 minute winter	S4	495	1.463	0.063	8.3	0.1120	0.0000	OK
960 minute winter	S5	495	1.368	0.070	10.2	0.1232	0.0000	OK
960 minute winter	S6	495	1.280	0.090	17.2	0.1596	0.0000	OK
960 minute winter	S8	495	1.351	0.050	5.1	0.0888	0.0000	OK
960 minute winter	S9	495	1.282	0.080	5.1	0.1412	0.0000	OK
960 minute winter	S3 [CP]	495	1.197	0.089	17.2	0.1268	0.0000	OK
960 minute winter	HW1							
960 minute winter	S4 [control]	750	0.957	0.217	4.7	0.3831	0.0000	OK
960 minute winter	HW3	750	0.761	0.045	4.7	0.0000	0.0000	OK
960 minute winter	HW2							
960 minute winter	Pond	750	0.957	0.177	19.9	313.2759	0.0000	OK
960 minute winter	S10	480	1.698	0.022	0.7	0.0382	0.0000	OK
960 minute winter	S12	480	1.438	0.026	1.1	0.0466	0.0000	OK
960 minute winter	S11	465	1.651	0.017	0.4	0.0296	0.0000	OK
960 minute winter	S13	450	1.652	0.022	0.7	0.0382	0.0000	OK
960 minute winter	S15	465	1.404	0.038	2.2	0.0666	0.0000	OK
960 minute winter	S14	465	1.605	0.017	0.4	0.0295	0.0000	OK
960 minute winter	S16	480	1.378	0.036	2.2	0.0645	0.0000	OK
960 minute winter	S17	480	1.308	0.042	2.7	0.0734	0.0000	OK
960 minute winter	HW4							
960 minute winter	S1 [CP]	480	1.640	0.027	1.2	0.0386	0.0000	OK
960 minute winter	S2 [CP]	480	1.371	0.032	1.6	0.0452	0.0000	OK
960 minute winter	S2a [CP]	480	1.298	0.030	1.9	0.0422	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	S1	1.000	S2	5.1	0.434	0.015	0.5331	
960 minute winter	S2	1.001	S3	5.8	0.454	0.017	0.4224	
960 minute winter	S3	1.002	S4	6.5	0.448	0.019	0.3985	
960 minute winter	S4	1.003	S5	8.3	0.490	0.024	0.6952	
960 minute winter	S5	1.004	S6	10.2	0.459	0.030	0.9615	
960 minute winter	S6	1.005	S3 [CP]	17.2	0.657	0.048	0.7711	
960 minute winter	S8	2.003	S9	5.1	0.312	0.015	0.6582	
960 minute winter	S9	2.004	S6	5.1	0.211	0.015	0.1153	
960 minute winter	S3 [CP]	1.006	Pond	17.2	0.704	0.048	0.2468	
960 minute winter	S4 [control]	1.010	HW3	4.7	0.500	0.031	0.1005	224.2
960 minute winter	Pond	1.009	S4 [control]	4.7	0.105	0.031	1.1678	
960 minute winter	S10	4.000	S12	0.7	0.349	0.010	0.0555	
960 minute winter	S12	4.001	S15	1.1	0.223	0.007	0.0912	
960 minute winter	S11	5.000	S12	0.4	0.289	0.006	0.0243	
960 minute winter	S13	6.000	S15	0.7	0.349	0.010	0.0555	
960 minute winter	S15	4.002	S16	2.2	0.358	0.014	0.0585	
960 minute winter	S14	7.000	S15	0.4	0.290	0.006	0.0240	
960 minute winter	S16	4.003	S17	2.2	0.333	0.014	0.2027	
960 minute winter	S17	4.004	Pond	2.7	0.428	0.017	0.1668	
960 minute winter	S1 [CP]	3.000	S2 [CP]	1.2	0.341	0.017	0.2334	
960 minute winter	S2 [CP]	3.001	S2a [CP]	1.6	0.427	0.022	0.0642	
960 minute winter	S2a [CP]	3.002	S6	1.9	0.196	0.020	0.1181	



Results for 1 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S18	495	1.940	0.025	1.0	0.0281	0.0000	OK
960 minute winter	S19	495	1.617	0.025	1.0	0.0280	0.0000	OK
960 minute winter	S20	495	1.576	0.029	1.3	0.0323	0.0000	OK

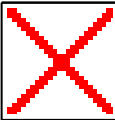
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	S18	2.000	S19	1.0	0.364	0.014	0.2146	
960 minute winter	S19	2.001	S20	1.0	0.329	0.014	0.0330	
960 minute winter	S20	2.002	S8	1.3	0.403	0.018	0.1112	



Results for 1 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S1	750	1.715	0.050	5.0	0.0881	0.0000	OK
1440 minute summer	S2	750	1.605	0.053	5.7	0.0942	0.0000	OK
1440 minute summer	S3	750	1.524	0.055	6.3	0.0980	0.0000	OK
1440 minute summer	S4	750	1.462	0.062	8.0	0.1100	0.0000	OK
1440 minute summer	S5	750	1.366	0.068	9.8	0.1209	0.0000	OK
1440 minute summer	S6	750	1.279	0.089	16.7	0.1572	0.0000	OK
1440 minute summer	S8	750	1.351	0.050	5.0	0.0880	0.0000	OK
1440 minute summer	S9	750	1.281	0.079	5.0	0.1389	0.0000	OK
1440 minute summer	S3 [CP]	750	1.195	0.087	16.7	0.1251	0.0000	OK
1440 minute summer	HW1							
1440 minute summer	S4 [control]	990	0.938	0.198	4.6	0.3498	0.0000	OK
1440 minute summer	HW3	990	0.761	0.045	4.6	0.0000	0.0000	OK
1440 minute summer	HW2							
1440 minute summer	Pond	990	0.938	0.158	19.4	278.7443	0.0000	OK
1440 minute summer	S10	750	1.698	0.022	0.7	0.0382	0.0000	OK
1440 minute summer	S12	750	1.438	0.026	1.1	0.0466	0.0000	OK
1440 minute summer	S11	750	1.651	0.017	0.4	0.0296	0.0000	OK
1440 minute summer	S13	750	1.652	0.022	0.7	0.0382	0.0000	OK
1440 minute summer	S15	750	1.404	0.038	2.2	0.0666	0.0000	OK
1440 minute summer	S14	750	1.605	0.017	0.4	0.0295	0.0000	OK
1440 minute summer	S16	750	1.378	0.036	2.2	0.0645	0.0000	OK
1440 minute summer	S17	750	1.308	0.042	2.7	0.0734	0.0000	OK
1440 minute summer	HW4							
1440 minute summer	S1 [CP]	750	1.640	0.027	1.2	0.0386	0.0000	OK
1440 minute summer	S2 [CP]	750	1.371	0.032	1.6	0.0452	0.0000	OK
1440 minute summer	S2a [CP]	750	1.298	0.030	1.9	0.0422	0.0000	OK

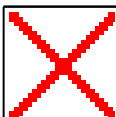
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S1	1.000	S2	5.0	0.430	0.015	0.5270	
1440 minute summer	S2	1.001	S3	5.7	0.453	0.017	0.4157	
1440 minute summer	S3	1.002	S4	6.3	0.445	0.018	0.3890	
1440 minute summer	S4	1.003	S5	8.0	0.485	0.023	0.6768	
1440 minute summer	S5	1.004	S6	9.8	0.452	0.029	0.9387	
1440 minute summer	S6	1.005	S3 [CP]	16.7	0.651	0.046	0.7553	
1440 minute summer	S8	2.003	S9	5.0	0.313	0.015	0.6447	
1440 minute summer	S9	2.004	S6	5.0	0.210	0.014	0.1127	
1440 minute summer	S3 [CP]	1.006	Pond	16.7	0.698	0.046	0.2419	
1440 minute summer	S4 [control]	1.010	HW3	4.6	0.496	0.030	0.0988	279.0
1440 minute summer	Pond	1.009	S4 [control]	4.6	0.103	0.030	1.0228	
1440 minute summer	S10	4.000	S12	0.7	0.349	0.010	0.0555	
1440 minute summer	S12	4.001	S15	1.1	0.223	0.007	0.0912	
1440 minute summer	S11	5.000	S12	0.4	0.289	0.006	0.0243	
1440 minute summer	S13	6.000	S15	0.7	0.349	0.010	0.0555	
1440 minute summer	S15	4.002	S16	2.2	0.358	0.014	0.0585	
1440 minute summer	S14	7.000	S15	0.4	0.290	0.006	0.0240	
1440 minute summer	S16	4.003	S17	2.2	0.333	0.014	0.2027	
1440 minute summer	S17	4.004	Pond	2.7	0.428	0.017	0.1668	
1440 minute summer	S1 [CP]	3.000	S2 [CP]	1.2	0.341	0.017	0.2334	
1440 minute summer	S2 [CP]	3.001	S2a [CP]	1.6	0.427	0.022	0.0642	
1440 minute summer	S2a [CP]	3.002	S6	1.9	0.193	0.020	0.1160	



Results for 1 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

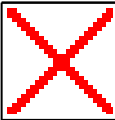
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S18	750	1.939	0.024	0.9	0.0268	0.0000	OK
1440 minute summer	S19	750	1.616	0.024	0.9	0.0266	0.0000	OK
1440 minute summer	S20	750	1.575	0.028	1.2	0.0311	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S18	2.000	S19	0.9	0.352	0.013	0.1997	
1440 minute summer	S19	2.001	S20	0.9	0.314	0.013	0.0310	
1440 minute summer	S20	2.002	S8	1.2	0.395	0.017	0.1048	



Results for 1 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

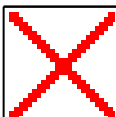
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S1	750	1.709	0.044	3.8	0.0776	0.0000	OK
1440 minute winter	S2	750	1.598	0.046	4.3	0.0821	0.0000	OK
1440 minute winter	S3	750	1.518	0.049	4.8	0.0863	0.0000	OK
1440 minute winter	S4	750	1.455	0.055	6.1	0.0968	0.0000	OK
1440 minute winter	S5	750	1.358	0.060	7.5	0.1064	0.0000	OK
1440 minute winter	S6	750	1.268	0.078	12.7	0.1374	0.0000	OK
1440 minute winter	S8	750	1.345	0.044	3.8	0.0775	0.0000	OK
1440 minute winter	S9	750	1.269	0.067	3.8	0.1189	0.0000	OK
1440 minute winter	S3 [CP]	750	1.184	0.076	12.7	0.1091	0.0000	OK
1440 minute winter	HW1							
1440 minute winter	S4 [control]	1050	0.955	0.215	4.7	0.3804	0.0000	OK
1440 minute winter	HW3	1050	0.761	0.045	4.7	0.0000	0.0000	OK
1440 minute winter	HW2							
1440 minute winter	Pond	1050	0.955	0.175	14.8	310.5427	0.0000	OK
1440 minute winter	S10	690	1.695	0.019	0.5	0.0328	0.0000	OK
1440 minute winter	S12	690	1.435	0.023	0.8	0.0402	0.0000	OK
1440 minute winter	S11	660	1.649	0.015	0.3	0.0260	0.0000	OK
1440 minute winter	S13	750	1.650	0.020	0.6	0.0357	0.0000	OK
1440 minute winter	S15	750	1.399	0.033	1.7	0.0589	0.0000	OK
1440 minute winter	S14	690	1.603	0.015	0.3	0.0259	0.0000	OK
1440 minute winter	S16	750	1.374	0.032	1.7	0.0573	0.0000	OK
1440 minute winter	S17	750	1.303	0.037	2.1	0.0657	0.0000	OK
1440 minute winter	HW4							
1440 minute winter	S1 [CP]	720	1.637	0.024	0.9	0.0338	0.0000	OK
1440 minute winter	S2 [CP]	720	1.367	0.028	1.2	0.0395	0.0000	OK
1440 minute winter	S2a [CP]	720	1.294	0.026	1.4	0.0366	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S1	1.000	S2	3.8	0.397	0.011	0.4338	
1440 minute winter	S2	1.001	S3	4.3	0.415	0.013	0.3423	
1440 minute winter	S3	1.002	S4	4.8	0.411	0.014	0.3219	
1440 minute winter	S4	1.003	S5	6.1	0.446	0.018	0.5605	
1440 minute winter	S5	1.004	S6	7.5	0.419	0.022	0.7739	
1440 minute winter	S6	1.005	S3 [CP]	12.7	0.604	0.035	0.6191	
1440 minute winter	S8	2.003	S9	3.8	0.293	0.011	0.5201	
1440 minute winter	S9	2.004	S6	3.8	0.197	0.011	0.0912	
1440 minute winter	S3 [CP]	1.006	Pond	12.7	0.654	0.035	0.1962	
1440 minute winter	S4 [control]	1.010	HW3	4.7	0.500	0.031	0.1003	303.0
1440 minute winter	Pond	1.009	S4 [control]	4.7	0.102	0.031	1.1563	
1440 minute winter	S10	4.000	S12	0.5	0.313	0.007	0.0440	
1440 minute winter	S12	4.001	S15	0.8	0.203	0.005	0.0750	
1440 minute winter	S11	5.000	S12	0.3	0.268	0.004	0.0200	
1440 minute winter	S13	6.000	S15	0.6	0.332	0.008	0.0498	
1440 minute winter	S15	4.002	S16	1.7	0.331	0.011	0.0489	
1440 minute winter	S14	7.000	S15	0.3	0.268	0.004	0.0197	
1440 minute winter	S16	4.003	S17	1.7	0.303	0.011	0.1710	
1440 minute winter	S17	4.004	Pond	2.1	0.401	0.013	0.1381	
1440 minute winter	S1 [CP]	3.000	S2 [CP]	0.9	0.313	0.013	0.1912	
1440 minute winter	S2 [CP]	3.001	S2a [CP]	1.2	0.395	0.017	0.0522	
1440 minute winter	S2a [CP]	3.002	S6	1.4	0.177	0.015	0.0956	



Results for 1 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S18	720	1.936	0.021	0.7	0.0239	0.0000	OK
1440 minute winter	S19	720	1.613	0.021	0.7	0.0238	0.0000	OK
1440 minute winter	S20	720	1.571	0.024	0.9	0.0274	0.0000	OK

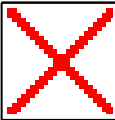
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S18	2.000	S19	0.7	0.326	0.010	0.1679	
1440 minute winter	S19	2.001	S20	0.7	0.292	0.010	0.0259	
1440 minute winter	S20	2.002	S8	0.9	0.370	0.013	0.0838	



Results for 1 year 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	S1	1140	1.708	0.043	3.6	0.0758	0.0000	OK
2160 minute summer	S2	1140	1.597	0.045	4.1	0.0802	0.0000	OK
2160 minute summer	S3	1140	1.517	0.048	4.6	0.0846	0.0000	OK
2160 minute summer	S4	1140	1.454	0.054	5.9	0.0953	0.0000	OK
2160 minute summer	S5	1140	1.357	0.059	7.2	0.1044	0.0000	OK
2160 minute summer	S6	1140	1.266	0.076	12.2	0.1347	0.0000	OK
2160 minute summer	S8	1140	1.344	0.043	3.6	0.0757	0.0000	OK
2160 minute summer	S9	1140	1.268	0.066	3.6	0.1161	0.0000	OK
2160 minute summer	S3 [CP]	1140	1.183	0.075	12.2	0.1070	0.0000	OK
2160 minute summer	HW1							
2160 minute summer	S4 [control]	1380	0.934	0.194	4.6	0.3425	0.0000	OK
2160 minute summer	HW3	1380	0.761	0.045	4.6	0.0000	0.0000	OK
2160 minute summer	HW2							
2160 minute summer	Pond	1380	0.934	0.154	14.2	271.1877	0.0000	OK
2160 minute summer	S10	1140	1.695	0.019	0.5	0.0328	0.0000	OK
2160 minute summer	S12	1140	1.435	0.023	0.8	0.0402	0.0000	OK
2160 minute summer	S11	1140	1.649	0.015	0.3	0.0260	0.0000	OK
2160 minute summer	S13	1140	1.649	0.019	0.5	0.0328	0.0000	OK
2160 minute summer	S15	1140	1.398	0.032	1.6	0.0573	0.0000	OK
2160 minute summer	S14	1140	1.603	0.015	0.3	0.0259	0.0000	OK
2160 minute summer	S16	1140	1.374	0.032	1.6	0.0558	0.0000	OK
2160 minute summer	S17	1140	1.302	0.036	2.0	0.0643	0.0000	OK
2160 minute summer	HW4							
2160 minute summer	S1 [CP]	1140	1.637	0.024	0.9	0.0338	0.0000	OK
2160 minute summer	S2 [CP]	1140	1.367	0.028	1.2	0.0395	0.0000	OK
2160 minute summer	S2a [CP]	1140	1.294	0.026	1.4	0.0366	0.0000	OK

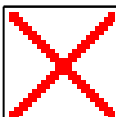
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	S1	1.000	S2	3.6	0.390	0.011	0.4188	
2160 minute summer	S2	1.001	S3	4.1	0.408	0.012	0.3319	
2160 minute summer	S3	1.002	S4	4.6	0.404	0.013	0.3136	
2160 minute summer	S4	1.003	S5	5.9	0.443	0.017	0.5460	
2160 minute summer	S5	1.004	S6	7.2	0.415	0.021	0.7521	
2160 minute summer	S6	1.005	S3 [CP]	12.2	0.597	0.034	0.6018	
2160 minute summer	S8	2.003	S9	3.6	0.288	0.010	0.5014	
2160 minute summer	S9	2.004	S6	3.6	0.193	0.010	0.0884	
2160 minute summer	S3 [CP]	1.006	Pond	12.2	0.648	0.034	0.1903	
2160 minute summer	S4 [control]	1.010	HW3	4.6	0.495	0.030	0.0984	363.7
2160 minute summer	Pond	1.009	S4 [control]	4.6	0.102	0.030	0.9912	
2160 minute summer	S10	4.000	S12	0.5	0.313	0.007	0.0440	
2160 minute summer	S12	4.001	S15	0.8	0.203	0.005	0.0729	
2160 minute summer	S11	5.000	S12	0.3	0.268	0.004	0.0200	
2160 minute summer	S13	6.000	S15	0.5	0.313	0.007	0.0440	
2160 minute summer	S15	4.002	S16	1.6	0.325	0.010	0.0469	
2160 minute summer	S14	7.000	S15	0.3	0.268	0.004	0.0197	
2160 minute summer	S16	4.003	S17	1.6	0.296	0.010	0.1650	
2160 minute summer	S17	4.004	Pond	2.0	0.396	0.012	0.1335	
2160 minute summer	S1 [CP]	3.000	S2 [CP]	0.9	0.313	0.013	0.1912	
2160 minute summer	S2 [CP]	3.001	S2a [CP]	1.2	0.395	0.017	0.0522	
2160 minute summer	S2a [CP]	3.002	S6	1.4	0.177	0.015	0.0934	



Results for 1 year 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	S18	1140	1.936	0.021	0.7	0.0239	0.0000	OK
2160 minute summer	S19	1140	1.613	0.021	0.7	0.0238	0.0000	OK
2160 minute summer	S20	1140	1.571	0.024	0.9	0.0274	0.0000	OK

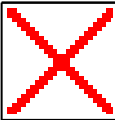
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	S18	2.000	S19	0.7	0.326	0.010	0.1679	
2160 minute summer	S19	2.001	S20	0.7	0.292	0.010	0.0259	
2160 minute summer	S20	2.002	S8	0.9	0.370	0.013	0.0838	



Results for 1 year 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	S1	1140	1.703	0.038	2.8	0.0676	0.0000	OK
2160 minute winter	S2	1140	1.593	0.041	3.2	0.0718	0.0000	OK
2160 minute winter	S3	1140	1.512	0.043	3.6	0.0756	0.0000	OK
2160 minute winter	S4	1140	1.448	0.048	4.6	0.0848	0.0000	OK
2160 minute winter	S5	1140	1.351	0.053	5.6	0.0929	0.0000	OK
2160 minute winter	S6	1140	1.258	0.068	9.5	0.1193	0.0000	OK
2160 minute winter	S8	1140	1.339	0.038	2.8	0.0675	0.0000	OK
2160 minute winter	S9	1140	1.259	0.057	2.8	0.1007	0.0000	OK
2160 minute winter	S3 [CP]	1140	1.174	0.066	9.5	0.0950	0.0000	OK
2160 minute winter	HW1							
2160 minute winter	S4 [control]	1500	0.946	0.206	4.6	0.3648	0.0000	OK
2160 minute winter	HW3	1500	0.761	0.045	4.6	0.0000	0.0000	OK
2160 minute winter	HW2							
2160 minute winter	Pond	1500	0.947	0.167	11.0	294.3404	0.0000	OK
2160 minute winter	S10	1080	1.693	0.017	0.4	0.0295	0.0000	OK
2160 minute winter	S12	1080	1.432	0.020	0.6	0.0354	0.0000	OK
2160 minute winter	S11	960	1.646	0.012	0.2	0.0221	0.0000	OK
2160 minute winter	S13	1080	1.647	0.017	0.4	0.0295	0.0000	OK
2160 minute winter	S15	1080	1.394	0.028	1.2	0.0500	0.0000	OK
2160 minute winter	S14	960	1.600	0.012	0.2	0.0220	0.0000	OK
2160 minute winter	S16	1080	1.370	0.028	1.2	0.0488	0.0000	OK
2160 minute winter	S17	1080	1.298	0.032	1.5	0.0568	0.0000	OK
2160 minute winter	HW4							
2160 minute winter	S1 [CP]	1140	1.634	0.021	0.7	0.0301	0.0000	OK
2160 minute winter	S2 [CP]	1140	1.363	0.024	0.9	0.0344	0.0000	OK
2160 minute winter	S2a [CP]	1140	1.291	0.023	1.1	0.0327	0.0000	OK

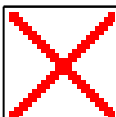
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	S1	1.000	S2	2.8	0.361	0.008	0.3523	
2160 minute winter	S2	1.001	S3	3.2	0.378	0.009	0.2800	
2160 minute winter	S3	1.002	S4	3.6	0.373	0.010	0.2647	
2160 minute winter	S4	1.003	S5	4.6	0.411	0.013	0.4586	
2160 minute winter	S5	1.004	S6	5.6	0.384	0.016	0.6292	
2160 minute winter	S6	1.005	S3 [CP]	9.5	0.556	0.026	0.5037	
2160 minute winter	S8	2.003	S9	2.8	0.272	0.008	0.4123	
2160 minute winter	S9	2.004	S6	2.8	0.184	0.008	0.0730	
2160 minute winter	S3 [CP]	1.006	Pond	9.5	0.604	0.026	0.1589	
2160 minute winter	S4 [control]	1.010	HW3	4.6	0.498	0.030	0.0996	404.4
2160 minute winter	Pond	1.009	S4 [control]	4.6	0.102	0.030	1.0882	
2160 minute winter	S10	4.000	S12	0.4	0.290	0.006	0.0379	
2160 minute winter	S12	4.001	S15	0.6	0.184	0.004	0.0593	
2160 minute winter	S11	5.000	S12	0.2	0.267	0.003	0.0133	
2160 minute winter	S13	6.000	S15	0.4	0.290	0.006	0.0379	
2160 minute winter	S15	4.002	S16	1.2	0.298	0.007	0.0383	
2160 minute winter	S14	7.000	S15	0.2	0.268	0.003	0.0131	
2160 minute winter	S16	4.003	S17	1.2	0.271	0.007	0.1361	
2160 minute winter	S17	4.004	Pond	1.5	0.363	0.009	0.1099	
2160 minute winter	S1 [CP]	3.000	S2 [CP]	0.7	0.294	0.010	0.1581	
2160 minute winter	S2 [CP]	3.001	S2a [CP]	0.9	0.356	0.013	0.0434	
2160 minute winter	S2a [CP]	3.002	S6	1.1	0.166	0.012	0.0788	



Results for 1 year 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	S18	1080	1.933	0.018	0.5	0.0204	0.0000	OK
2160 minute winter	S19	1080	1.610	0.018	0.5	0.0203	0.0000	OK
2160 minute winter	S20	1080	1.569	0.022	0.7	0.0245	0.0000	OK

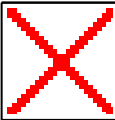
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	S18	2.000	S19	0.5	0.294	0.007	0.1330	
2160 minute winter	S19	2.001	S20	0.5	0.257	0.007	0.0213	
2160 minute winter	S20	2.002	S8	0.7	0.349	0.010	0.0696	



Results for 1 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S1	1500	1.705	0.040	3.0	0.0699	0.0000	OK
2880 minute summer	S2	1500	1.594	0.042	3.4	0.0738	0.0000	OK
2880 minute summer	S3	1500	1.513	0.044	3.8	0.0775	0.0000	OK
2880 minute summer	S4	1500	1.449	0.049	4.8	0.0865	0.0000	OK
2880 minute summer	S5	1500	1.352	0.054	5.9	0.0951	0.0000	OK
2880 minute summer	S6	1500	1.260	0.070	10.1	0.1229	0.0000	OK
2880 minute summer	S8	1500	1.341	0.040	3.1	0.0708	0.0000	OK
2880 minute summer	S9	1500	1.261	0.059	3.1	0.1045	0.0000	OK
2880 minute summer	S3 [CP]	1500	1.176	0.068	10.1	0.0978	0.0000	OK
2880 minute summer	HW1							
2880 minute summer	S4 [control]	1800	0.928	0.188	4.5	0.3326	0.0000	OK
2880 minute summer	HW3	1800	0.760	0.044	4.5	0.0000	0.0000	OK
2880 minute summer	HW2							
2880 minute summer	Pond	1800	0.928	0.148	11.6	261.0416	0.0000	OK
2880 minute summer	S10	1440	1.693	0.017	0.4	0.0295	0.0000	OK
2880 minute summer	S12	1440	1.432	0.020	0.6	0.0354	0.0000	OK
2880 minute summer	S11	1380	1.646	0.012	0.2	0.0221	0.0000	OK
2880 minute summer	S13	1440	1.647	0.017	0.4	0.0295	0.0000	OK
2880 minute summer	S15	1440	1.394	0.028	1.2	0.0500	0.0000	OK
2880 minute summer	S14	1380	1.600	0.012	0.2	0.0220	0.0000	OK
2880 minute summer	S16	1440	1.370	0.028	1.2	0.0488	0.0000	OK
2880 minute summer	S17	1440	1.298	0.032	1.5	0.0568	0.0000	OK
2880 minute summer	HW4							
2880 minute summer	S1 [CP]	1500	1.634	0.021	0.7	0.0301	0.0000	OK
2880 minute summer	S2 [CP]	1500	1.363	0.024	0.9	0.0344	0.0000	OK
2880 minute summer	S2a [CP]	1500	1.291	0.023	1.1	0.0327	0.0000	OK

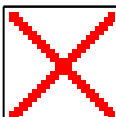
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S1	1.000	S2	3.0	0.369	0.009	0.3683	
2880 minute summer	S2	1.001	S3	3.4	0.386	0.010	0.2913	
2880 minute summer	S3	1.002	S4	3.8	0.381	0.011	0.2735	
2880 minute summer	S4	1.003	S5	4.8	0.415	0.014	0.4741	
2880 minute summer	S5	1.004	S6	5.9	0.389	0.017	0.6556	
2880 minute summer	S6	1.005	S3 [CP]	10.1	0.565	0.028	0.5262	
2880 minute summer	S8	2.003	S9	3.1	0.283	0.009	0.4379	
2880 minute summer	S9	2.004	S6	3.1	0.192	0.009	0.0766	
2880 minute summer	S3 [CP]	1.006	Pond	10.1	0.617	0.028	0.1659	
2880 minute summer	S4 [control]	1.010	HW3	4.5	0.493	0.030	0.0978	428.2
2880 minute summer	Pond	1.009	S4 [control]	4.5	0.102	0.029	0.9488	
2880 minute summer	S10	4.000	S12	0.4	0.290	0.006	0.0379	
2880 minute summer	S12	4.001	S15	0.6	0.184	0.004	0.0593	
2880 minute summer	S11	5.000	S12	0.2	0.267	0.003	0.0133	
2880 minute summer	S13	6.000	S15	0.4	0.290	0.006	0.0379	
2880 minute summer	S15	4.002	S16	1.2	0.298	0.007	0.0383	
2880 minute summer	S14	7.000	S15	0.2	0.268	0.003	0.0131	
2880 minute summer	S16	4.003	S17	1.2	0.271	0.007	0.1361	
2880 minute summer	S17	4.004	Pond	1.5	0.363	0.009	0.1099	
2880 minute summer	S1 [CP]	3.000	S2 [CP]	0.7	0.294	0.010	0.1581	
2880 minute summer	S2 [CP]	3.001	S2a [CP]	0.9	0.356	0.013	0.0434	
2880 minute summer	S2a [CP]	3.002	S6	1.1	0.162	0.012	0.0816	



Results for 1 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 100.00%

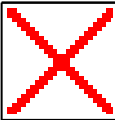
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S18	1500	1.935	0.020	0.6	0.0223	0.0000	OK
2880 minute summer	S19	1500	1.612	0.020	0.6	0.0222	0.0000	OK
2880 minute summer	S20	1500	1.570	0.023	0.8	0.0260	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S18	2.000	S19	0.6	0.311	0.008	0.1508	
2880 minute summer	S19	2.001	S20	0.6	0.275	0.008	0.0236	
2880 minute summer	S20	2.002	S8	0.8	0.360	0.011	0.0766	



Results for 1 year 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 100.00%

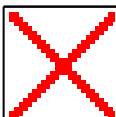
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S1	1500	1.700	0.035	2.3	0.0615	0.0000	OK
2880 minute winter	S2	1500	1.589	0.037	2.6	0.0651	0.0000	OK
2880 minute winter	S3	1500	1.508	0.039	2.9	0.0686	0.0000	OK
2880 minute winter	S4	1500	1.443	0.043	3.7	0.0767	0.0000	OK
2880 minute winter	S5	1500	1.345	0.047	4.5	0.0838	0.0000	OK
2880 minute winter	S6	1500	1.250	0.060	7.6	0.1068	0.0000	OK
2880 minute winter	S8	1440	1.335	0.034	2.2	0.0601	0.0000	OK
2880 minute winter	S9	1500	1.252	0.050	2.2	0.0881	0.0000	OK
2880 minute winter	S3 [CP]	1500	1.168	0.060	7.6	0.0857	0.0000	OK
2880 minute winter	HW1							
2880 minute winter	S4 [control]	1920	0.937	0.197	4.6	0.3474	0.0000	OK
2880 minute winter	HW3	1920	0.761	0.045	4.6	0.0000	0.0000	OK
2880 minute winter	HW2							
2880 minute winter	Pond	1920	0.937	0.157	8.8	276.2508	0.0000	OK
2880 minute winter	S10	1320	1.691	0.015	0.3	0.0259	0.0000	OK
2880 minute winter	S12	1320	1.430	0.018	0.5	0.0326	0.0000	OK
2880 minute winter	S11	1320	1.646	0.012	0.2	0.0221	0.0000	OK
2880 minute winter	S13	1260	1.645	0.015	0.3	0.0259	0.0000	OK
2880 minute winter	S15	1380	1.392	0.026	1.0	0.0457	0.0000	OK
2880 minute winter	S14	1380	1.600	0.012	0.2	0.0220	0.0000	OK
2880 minute winter	S16	1380	1.367	0.025	1.0	0.0447	0.0000	OK
2880 minute winter	S17	1380	1.295	0.029	1.2	0.0515	0.0000	OK
2880 minute winter	HW4							
2880 minute winter	S1 [CP]	1500	1.633	0.020	0.6	0.0281	0.0000	OK
2880 minute winter	S2 [CP]	1500	1.362	0.023	0.8	0.0327	0.0000	OK
2880 minute winter	S2a [CP]	1500	1.289	0.021	0.9	0.0299	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S1	1.000	S2	2.3	0.340	0.007	0.3064	
2880 minute winter	S2	1.001	S3	2.6	0.356	0.008	0.2417	
2880 minute winter	S3	1.002	S4	2.9	0.350	0.008	0.2278	
2880 minute winter	S4	1.003	S5	3.7	0.384	0.011	0.3952	
2880 minute winter	S5	1.004	S6	4.5	0.363	0.013	0.5383	
2880 minute winter	S6	1.005	S3 [CP]	7.6	0.519	0.021	0.4313	
2880 minute winter	S8	2.003	S9	2.2	0.262	0.006	0.3418	
2880 minute winter	S9	2.004	S6	2.2	0.175	0.006	0.0611	
2880 minute winter	S3 [CP]	1.006	Pond	7.6	0.561	0.021	0.1369	
2880 minute winter	S4 [control]	1.010	HW3	4.6	0.496	0.030	0.0987	488.3
2880 minute winter	Pond	1.009	S4 [control]	4.6	0.102	0.030	1.0124	
2880 minute winter	S10	4.000	S12	0.3	0.268	0.004	0.0311	
2880 minute winter	S12	4.001	S15	0.5	0.184	0.003	0.0522	
2880 minute winter	S11	5.000	S12	0.2	0.267	0.003	0.0133	
2880 minute winter	S13	6.000	S15	0.3	0.268	0.004	0.0311	
2880 minute winter	S15	4.002	S16	1.0	0.282	0.006	0.0337	
2880 minute winter	S14	7.000	S15	0.2	0.268	0.003	0.0131	
2880 minute winter	S16	4.003	S17	1.0	0.258	0.006	0.1184	
2880 minute winter	S17	4.004	Pond	1.2	0.334	0.007	0.0947	
2880 minute winter	S1 [CP]	3.000	S2 [CP]	0.6	0.275	0.008	0.1447	
2880 minute winter	S2 [CP]	3.001	S2a [CP]	0.8	0.351	0.011	0.0391	
2880 minute winter	S2a [CP]	3.002	S6	0.9	0.158	0.010	0.0675	



Results for 1 year 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S18	1320	1.931	0.016	0.4	0.0184	0.0000	OK
2880 minute winter	S19	1320	1.608	0.016	0.4	0.0183	0.0000	OK
2880 minute winter	S20	1320	1.566	0.019	0.5	0.0210	0.0000	OK

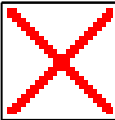
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S18	2.000	S19	0.4	0.274	0.006	0.1139	
2880 minute winter	S19	2.001	S20	0.4	0.247	0.006	0.0175	
2880 minute winter	S20	2.002	S8	0.5	0.312	0.007	0.0552	



Results for 1 year 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S1	2940	1.697	0.032	1.9	0.0562	0.0000	OK
5760 minute summer	S2	2940	1.586	0.034	2.2	0.0601	0.0000	OK
5760 minute summer	S3	2940	1.504	0.035	2.4	0.0626	0.0000	OK
5760 minute summer	S4	2940	1.440	0.040	3.1	0.0710	0.0000	OK
5760 minute summer	S5	2940	1.342	0.044	3.8	0.0775	0.0000	OK
5760 minute summer	S6	2940	1.246	0.056	6.4	0.0984	0.0000	OK
5760 minute summer	S8	2940	1.333	0.032	1.9	0.0561	0.0000	OK
5760 minute summer	S9	2940	1.247	0.045	1.9	0.0798	0.0000	OK
5760 minute summer	S3 [CP]	2940	1.163	0.055	6.4	0.0789	0.0000	OK
5760 minute summer	HW1							
5760 minute summer	S4 [control]	3360	0.906	0.166	4.1	0.2928	0.0000	OK
5760 minute summer	HW3	3360	0.759	0.043	4.1	0.0000	0.0000	OK
5760 minute summer	HW2							
5760 minute summer	Pond	3360	0.906	0.126	7.5	220.3502	0.0000	OK
5760 minute summer	S10	2940	1.691	0.015	0.3	0.0259	0.0000	OK
5760 minute summer	S12	2940	1.430	0.018	0.5	0.0326	0.0000	OK
5760 minute summer	S11	2940	1.646	0.012	0.2	0.0221	0.0000	OK
5760 minute summer	S13	2880	1.645	0.015	0.3	0.0259	0.0000	OK
5760 minute summer	S15	2940	1.391	0.025	0.9	0.0434	0.0000	OK
5760 minute summer	S14	2340	1.598	0.010	0.1	0.0170	0.0000	OK
5760 minute summer	S16	2940	1.366	0.024	0.9	0.0426	0.0000	OK
5760 minute summer	S17	2940	1.294	0.028	1.1	0.0495	0.0000	OK
5760 minute summer	HW4							
5760 minute summer	S1 [CP]	2940	1.631	0.018	0.5	0.0257	0.0000	OK
5760 minute summer	S2 [CP]	2940	1.359	0.020	0.6	0.0287	0.0000	OK
5760 minute summer	S2a [CP]	2940	1.287	0.019	0.7	0.0266	0.0000	OK

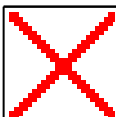
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S1	1.000	S2	1.9	0.318	0.006	0.2707	
5760 minute summer	S2	1.001	S3	2.2	0.340	0.006	0.2137	
5760 minute summer	S3	1.002	S4	2.4	0.329	0.007	0.2008	
5760 minute summer	S4	1.003	S5	3.1	0.362	0.009	0.3507	
5760 minute summer	S5	1.004	S6	3.8	0.344	0.011	0.4772	
5760 minute summer	S6	1.005	S3 [CP]	6.4	0.495	0.018	0.3811	
5760 minute summer	S8	2.003	S9	1.9	0.254	0.006	0.3001	
5760 minute summer	S9	2.004	S6	1.9	0.169	0.006	0.0535	
5760 minute summer	S3 [CP]	1.006	Pond	6.4	0.540	0.018	0.1201	
5760 minute summer	S4 [control]	1.010	HW3	4.1	0.477	0.027	0.0919	576.5
5760 minute summer	Pond	1.009	S4 [control]	4.1	0.102	0.027	0.7811	
5760 minute summer	S10	4.000	S12	0.3	0.268	0.004	0.0311	
5760 minute summer	S12	4.001	S15	0.5	0.184	0.003	0.0498	
5760 minute summer	S11	5.000	S12	0.2	0.267	0.003	0.0133	
5760 minute summer	S13	6.000	S15	0.3	0.268	0.004	0.0311	
5760 minute summer	S15	4.002	S16	0.9	0.274	0.006	0.0313	
5760 minute summer	S14	7.000	S15	0.1	0.259	0.001	0.0073	
5760 minute summer	S16	4.003	S17	0.9	0.247	0.006	0.1110	
5760 minute summer	S17	4.004	Pond	1.1	0.324	0.007	0.0896	
5760 minute summer	S1 [CP]	3.000	S2 [CP]	0.5	0.271	0.007	0.1224	
5760 minute summer	S2 [CP]	3.001	S2a [CP]	0.6	0.319	0.008	0.0324	
5760 minute summer	S2a [CP]	3.002	S6	0.7	0.141	0.008	0.0594	



Results for 1 year 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 100.00%

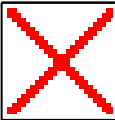
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S18	2940	1.931	0.016	0.4	0.0184	0.0000	OK
5760 minute summer	S19	2940	1.608	0.016	0.4	0.0183	0.0000	OK
5760 minute summer	S20	2940	1.566	0.019	0.5	0.0210	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S18	2.000	S19	0.4	0.274	0.006	0.1139	
5760 minute summer	S19	2.001	S20	0.4	0.247	0.006	0.0175	
5760 minute summer	S20	2.002	S8	0.5	0.312	0.007	0.0552	



Results for 1 year 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 100.00%

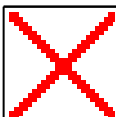
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S1	2880	1.693	0.028	1.4	0.0490	0.0000	OK
5760 minute winter	S2	2880	1.581	0.029	1.6	0.0519	0.0000	OK
5760 minute winter	S3	2880	1.500	0.031	1.8	0.0547	0.0000	OK
5760 minute winter	S4	2880	1.435	0.035	2.3	0.0615	0.0000	OK
5760 minute winter	S5	2880	1.336	0.038	2.8	0.0675	0.0000	OK
5760 minute winter	S6	2880	1.238	0.048	4.7	0.0849	0.0000	OK
5760 minute winter	S8	2820	1.329	0.028	1.4	0.0489	0.0000	OK
5760 minute winter	S9	2880	1.240	0.038	1.4	0.0664	0.0000	OK
5760 minute winter	S3 [CP]	2880	1.156	0.048	4.7	0.0680	0.0000	OK
5760 minute winter	HW1							
5760 minute winter	S4 [control]	3480	0.904	0.164	4.1	0.2894	0.0000	OK
5760 minute winter	HW3	3480	0.758	0.042	4.1	0.0000	0.0000	OK
5760 minute winter	HW2							
5760 minute winter	Pond	3480	0.904	0.124	5.4	216.9456	0.0000	OK
5760 minute winter	S10	2460	1.688	0.012	0.2	0.0221	0.0000	OK
5760 minute winter	S12	2460	1.427	0.015	0.3	0.0258	0.0000	OK
5760 minute winter	S11	1980	1.644	0.010	0.1	0.0170	0.0000	OK
5760 minute winter	S13	2460	1.642	0.012	0.2	0.0221	0.0000	OK
5760 minute winter	S15	2460	1.386	0.020	0.6	0.0360	0.0000	OK
5760 minute winter	S14	2040	1.598	0.010	0.1	0.0170	0.0000	OK
5760 minute winter	S16	2460	1.362	0.020	0.6	0.0355	0.0000	OK
5760 minute winter	S17	2460	1.289	0.023	0.7	0.0408	0.0000	OK
5760 minute winter	HW4							
5760 minute winter	S1 [CP]	2460	1.627	0.014	0.3	0.0203	0.0000	OK
5760 minute winter	S2 [CP]	2460	1.355	0.016	0.4	0.0235	0.0000	OK
5760 minute winter	S2a [CP]	2460	1.284	0.016	0.5	0.0227	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S1	1.000	S2	1.4	0.292	0.004	0.2170	
5760 minute winter	S2	1.001	S3	1.6	0.306	0.005	0.1729	
5760 minute winter	S3	1.002	S4	1.8	0.302	0.005	0.1638	
5760 minute winter	S4	1.003	S5	2.3	0.331	0.007	0.2846	
5760 minute winter	S5	1.004	S6	2.8	0.314	0.008	0.3850	
5760 minute winter	S6	1.005	S3 [CP]	4.7	0.452	0.013	0.3065	
5760 minute winter	S8	2.003	S9	1.4	0.239	0.004	0.2325	
5760 minute winter	S9	2.004	S6	1.4	0.161	0.004	0.0420	
5760 minute winter	S3 [CP]	1.006	Pond	4.7	0.506	0.013	0.0938	
5760 minute winter	S4 [control]	1.010	HW3	4.1	0.475	0.027	0.0911	664.6
5760 minute winter	Pond	1.009	S4 [control]	4.1	0.102	0.026	0.7673	
5760 minute winter	S10	4.000	S12	0.2	0.267	0.003	0.0208	
5760 minute winter	S12	4.001	S15	0.3	0.153	0.002	0.0363	
5760 minute winter	S11	5.000	S12	0.1	0.258	0.001	0.0074	
5760 minute winter	S13	6.000	S15	0.2	0.267	0.003	0.0208	
5760 minute winter	S15	4.002	S16	0.6	0.244	0.004	0.0234	
5760 minute winter	S14	7.000	S15	0.1	0.259	0.001	0.0073	
5760 minute winter	S16	4.003	S17	0.6	0.220	0.004	0.0834	
5760 minute winter	S17	4.004	Pond	0.7	0.301	0.004	0.0635	
5760 minute winter	S1 [CP]	3.000	S2 [CP]	0.3	0.224	0.004	0.0887	
5760 minute winter	S2 [CP]	3.001	S2a [CP]	0.4	0.276	0.006	0.0249	
5760 minute winter	S2a [CP]	3.002	S6	0.5	0.141	0.005	0.0479	



Results for 1 year 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S18	2820	1.929	0.014	0.3	0.0161	0.0000	OK
5760 minute winter	S19	2820	1.606	0.014	0.3	0.0160	0.0000	OK
5760 minute winter	S20	2820	1.564	0.017	0.4	0.0189	0.0000	OK

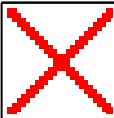
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S18	2.000	S19	0.3	0.252	0.004	0.0929	
5760 minute winter	S19	2.001	S20	0.3	0.221	0.004	0.0147	
5760 minute winter	S20	2.002	S8	0.4	0.290	0.006	0.0475	



Results for 1 year 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	S1	3660	1.694	0.029	1.6	0.0520	0.0000	OK
7200 minute summer	S2	3660	1.583	0.031	1.8	0.0547	0.0000	OK
7200 minute summer	S3	3660	1.502	0.033	2.0	0.0575	0.0000	OK
7200 minute summer	S4	3660	1.437	0.037	2.6	0.0652	0.0000	OK
7200 minute summer	S5	3660	1.339	0.041	3.2	0.0718	0.0000	OK
7200 minute summer	S6	3660	1.241	0.051	5.4	0.0908	0.0000	OK
7200 minute summer	S8	3660	1.330	0.029	1.6	0.0519	0.0000	OK
7200 minute summer	S9	3660	1.243	0.041	1.6	0.0722	0.0000	OK
7200 minute summer	S3 [CP]	3660	1.159	0.051	5.4	0.0726	0.0000	OK
7200 minute summer	HW1							
7200 minute summer	S4 [control]	4080	0.898	0.158	3.9	0.2789	0.0000	OK
7200 minute summer	HW3	4080	0.758	0.042	3.9	0.0000	0.0000	OK
7200 minute summer	HW2							
7200 minute summer	Pond	4080	0.898	0.118	6.2	206.2641	0.0000	OK
7200 minute summer	S10	3360	1.688	0.012	0.2	0.0221	0.0000	OK
7200 minute summer	S12	3360	1.427	0.015	0.3	0.0258	0.0000	OK
7200 minute summer	S11	2940	1.644	0.010	0.1	0.0170	0.0000	OK
7200 minute summer	S13	3300	1.642	0.012	0.2	0.0221	0.0000	OK
7200 minute summer	S15	3360	1.386	0.020	0.6	0.0360	0.0000	OK
7200 minute summer	S14	3000	1.598	0.010	0.1	0.0170	0.0000	OK
7200 minute summer	S16	3360	1.362	0.020	0.6	0.0355	0.0000	OK
7200 minute summer	S17	3540	1.290	0.024	0.8	0.0430	0.0000	OK
7200 minute summer	HW4							
7200 minute summer	S1 [CP]	3600	1.629	0.016	0.4	0.0232	0.0000	OK
7200 minute summer	S2 [CP]	3600	1.357	0.018	0.5	0.0262	0.0000	OK
7200 minute summer	S2a [CP]	3600	1.285	0.017	0.6	0.0247	0.0000	OK

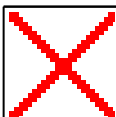
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	S1	1.000	S2	1.6	0.306	0.005	0.2373	
7200 minute summer	S2	1.001	S3	1.8	0.318	0.005	0.1870	
7200 minute summer	S3	1.002	S4	2.0	0.309	0.006	0.1775	
7200 minute summer	S4	1.003	S5	2.6	0.344	0.008	0.3110	
7200 minute summer	S5	1.004	S6	3.2	0.325	0.009	0.4232	
7200 minute summer	S6	1.005	S3 [CP]	5.4	0.472	0.015	0.3373	
7200 minute summer	S8	2.003	S9	1.6	0.245	0.005	0.2602	
7200 minute summer	S9	2.004	S6	1.6	0.166	0.005	0.0467	
7200 minute summer	S3 [CP]	1.006	Pond	5.4	0.522	0.015	0.1046	
7200 minute summer	S4 [control]	1.010	HW3	3.9	0.468	0.026	0.0885	620.1
7200 minute summer	Pond	1.009	S4 [control]	3.9	0.102	0.025	0.7241	
7200 minute summer	S10	4.000	S12	0.2	0.267	0.003	0.0208	
7200 minute summer	S12	4.001	S15	0.3	0.153	0.002	0.0363	
7200 minute summer	S11	5.000	S12	0.1	0.258	0.001	0.0074	
7200 minute summer	S13	6.000	S15	0.2	0.267	0.003	0.0208	
7200 minute summer	S15	4.002	S16	0.6	0.244	0.004	0.0234	
7200 minute summer	S14	7.000	S15	0.1	0.259	0.001	0.0073	
7200 minute summer	S16	4.003	S17	0.6	0.220	0.004	0.0871	
7200 minute summer	S17	4.004	Pond	0.8	0.301	0.005	0.0720	
7200 minute summer	S1 [CP]	3.000	S2 [CP]	0.4	0.250	0.006	0.1063	
7200 minute summer	S2 [CP]	3.001	S2a [CP]	0.5	0.298	0.007	0.0287	
7200 minute summer	S2a [CP]	3.002	S6	0.6	0.143	0.006	0.0530	



Results for 1 year 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance: 100.00%

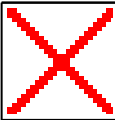
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	S18	3540	1.929	0.014	0.3	0.0161	0.0000	OK
7200 minute summer	S19	3540	1.606	0.014	0.3	0.0160	0.0000	OK
7200 minute summer	S20	3540	1.564	0.017	0.4	0.0189	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	S18	2.000	S19	0.3	0.252	0.004	0.0929	
7200 minute summer	S19	2.001	S20	0.3	0.221	0.004	0.0147	
7200 minute summer	S20	2.002	S8	0.4	0.290	0.006	0.0475	



Results for 1 year 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 100.00%

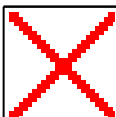
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	S1	3540	1.691	0.026	1.2	0.0458	0.0000	OK
7200 minute winter	S2	3540	1.580	0.028	1.4	0.0489	0.0000	OK
7200 minute winter	S3	3600	1.498	0.029	1.6	0.0519	0.0000	OK
7200 minute winter	S4	3600	1.433	0.033	2.0	0.0576	0.0000	OK
7200 minute winter	S5	3600	1.333	0.035	2.4	0.0626	0.0000	OK
7200 minute winter	S6	3600	1.235	0.045	4.1	0.0796	0.0000	OK
7200 minute winter	S8	3480	1.327	0.026	1.2	0.0457	0.0000	OK
7200 minute winter	S9	3600	1.237	0.035	1.2	0.0611	0.0000	OK
7200 minute winter	S3 [CP]	3600	1.153	0.045	4.1	0.0639	0.0000	OK
7200 minute winter	HW1							
7200 minute winter	S4 [control]	4200	0.893	0.153	3.7	0.2704	0.0000	OK
7200 minute winter	HW3	4200	0.757	0.041	3.7	0.0000	0.0000	OK
7200 minute winter	HW2							
7200 minute winter	Pond	4200	0.893	0.113	4.8	197.6154	0.0000	OK
7200 minute winter	S10	3360	1.688	0.012	0.2	0.0221	0.0000	OK
7200 minute winter	S12	3360	1.427	0.015	0.3	0.0258	0.0000	OK
7200 minute winter	S11	2640	1.644	0.010	0.1	0.0170	0.0000	OK
7200 minute winter	S13	3300	1.642	0.012	0.2	0.0221	0.0000	OK
7200 minute winter	S15	3360	1.386	0.020	0.6	0.0360	0.0000	OK
7200 minute winter	S14	2640	1.598	0.010	0.1	0.0170	0.0000	OK
7200 minute winter	S16	3360	1.362	0.020	0.6	0.0355	0.0000	OK
7200 minute winter	S17	3360	1.289	0.023	0.7	0.0408	0.0000	OK
7200 minute winter	HW4							
7200 minute winter	S1 [CP]	3300	1.627	0.014	0.3	0.0203	0.0000	OK
7200 minute winter	S2 [CP]	3300	1.355	0.016	0.4	0.0235	0.0000	OK
7200 minute winter	S2a [CP]	3300	1.284	0.016	0.5	0.0227	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	S1	1.000	S2	1.2	0.278	0.004	0.1958	
7200 minute winter	S2	1.001	S3	1.4	0.300	0.004	0.1581	
7200 minute winter	S3	1.002	S4	1.6	0.294	0.005	0.1496	
7200 minute winter	S4	1.003	S5	2.0	0.319	0.006	0.2570	
7200 minute winter	S5	1.004	S6	2.4	0.300	0.007	0.3484	
7200 minute winter	S6	1.005	S3 [CP]	4.1	0.433	0.011	0.2788	
7200 minute winter	S8	2.003	S9	1.2	0.235	0.003	0.2071	
7200 minute winter	S9	2.004	S6	1.2	0.158	0.003	0.0378	
7200 minute winter	S3 [CP]	1.006	Pond	4.1	0.491	0.011	0.0847	
7200 minute winter	S4 [control]	1.010	HW3	3.7	0.461	0.025	0.0864	725.3
7200 minute winter	Pond	1.009	S4 [control]	3.7	0.102	0.024	0.6895	
7200 minute winter	S10	4.000	S12	0.2	0.267	0.003	0.0208	
7200 minute winter	S12	4.001	S15	0.3	0.153	0.002	0.0363	
7200 minute winter	S11	5.000	S12	0.1	0.258	0.001	0.0074	
7200 minute winter	S13	6.000	S15	0.2	0.267	0.003	0.0208	
7200 minute winter	S15	4.002	S16	0.6	0.244	0.004	0.0234	
7200 minute winter	S14	7.000	S15	0.1	0.259	0.001	0.0073	
7200 minute winter	S16	4.003	S17	0.6	0.220	0.004	0.0834	
7200 minute winter	S17	4.004	Pond	0.7	0.298	0.004	0.0635	
7200 minute winter	S1 [CP]	3.000	S2 [CP]	0.3	0.224	0.004	0.0887	
7200 minute winter	S2 [CP]	3.001	S2a [CP]	0.4	0.276	0.006	0.0249	
7200 minute winter	S2a [CP]	3.002	S6	0.5	0.143	0.005	0.0443	



Results for 1 year 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 100.00%

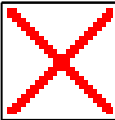
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	S18	2940	1.927	0.012	0.2	0.0134	0.0000	OK
7200 minute winter	S19	2940	1.604	0.012	0.2	0.0134	0.0000	OK
7200 minute winter	S20	2940	1.562	0.015	0.3	0.0166	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	S18	2.000	S19	0.2	0.224	0.003	0.0697	
7200 minute winter	S19	2.001	S20	0.2	0.189	0.003	0.0116	
7200 minute winter	S20	2.002	S8	0.3	0.266	0.004	0.0391	



Results for 1 year 10080 minute summer. 10320 minute analysis at 60 minute timestep. Mass balance: 100.00%

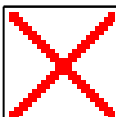
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	S1	5100	1.692	0.027	1.3	0.0474	0.0000	OK
10080 minute summer	S2	5100	1.581	0.029	1.5	0.0504	0.0000	OK
10080 minute summer	S3	5100	1.499	0.030	1.7	0.0533	0.0000	OK
10080 minute summer	S4	5100	1.433	0.033	2.1	0.0589	0.0000	OK
10080 minute summer	S5	5100	1.335	0.037	2.6	0.0651	0.0000	OK
10080 minute summer	S6	5100	1.237	0.047	4.4	0.0823	0.0000	OK
10080 minute summer	S8	5100	1.328	0.027	1.3	0.0474	0.0000	OK
10080 minute summer	S9	5100	1.238	0.036	1.3	0.0638	0.0000	OK
10080 minute summer	S3 [CP]	5100	1.154	0.046	4.4	0.0660	0.0000	OK
10080 minute summer	HW1							
10080 minute summer	S4 [control]	5580	0.886	0.146	3.5	0.2578	0.0000	OK
10080 minute summer	HW3	5580	0.756	0.040	3.5	0.0000	0.0000	OK
10080 minute summer	HW2							
10080 minute summer	Pond	5580	0.886	0.106	5.1	184.9493	0.0000	OK
10080 minute summer	S10	4860	1.688	0.012	0.2	0.0221	0.0000	OK
10080 minute summer	S12	4860	1.427	0.015	0.3	0.0258	0.0000	OK
10080 minute summer	S11	4320	1.644	0.010	0.1	0.0170	0.0000	OK
10080 minute summer	S13	4860	1.642	0.012	0.2	0.0221	0.0000	OK
10080 minute summer	S15	4860	1.386	0.020	0.6	0.0360	0.0000	OK
10080 minute summer	S14	4320	1.598	0.010	0.1	0.0170	0.0000	OK
10080 minute summer	S16	4860	1.362	0.020	0.6	0.0355	0.0000	OK
10080 minute summer	S17	4860	1.289	0.023	0.7	0.0408	0.0000	OK
10080 minute summer	HW4							
10080 minute summer	S1 [CP]	4860	1.627	0.014	0.3	0.0203	0.0000	OK
10080 minute summer	S2 [CP]	4860	1.355	0.016	0.4	0.0235	0.0000	OK
10080 minute summer	S2a [CP]	4860	1.284	0.016	0.5	0.0227	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	S1	1.000	S2	1.3	0.285	0.004	0.2065	
10080 minute summer	S2	1.001	S3	1.5	0.299	0.004	0.1656	
10080 minute summer	S3	1.002	S4	1.7	0.300	0.005	0.1554	
10080 minute summer	S4	1.003	S5	2.1	0.320	0.006	0.2689	
10080 minute summer	S5	1.004	S6	2.6	0.307	0.008	0.3670	
10080 minute summer	S6	1.005	S3 [CP]	4.4	0.443	0.012	0.2928	
10080 minute summer	S8	2.003	S9	1.3	0.234	0.004	0.2199	
10080 minute summer	S9	2.004	S6	1.3	0.156	0.004	0.0399	
10080 minute summer	S3 [CP]	1.006	Pond	4.4	0.499	0.012	0.0891	
10080 minute summer	S4 [control]	1.010	HW3	3.5	0.451	0.023	0.0831	660.1
10080 minute summer	Pond	1.009	S4 [control]	3.5	0.102	0.023	0.6392	
10080 minute summer	S10	4.000	S12	0.2	0.267	0.003	0.0208	
10080 minute summer	S12	4.001	S15	0.3	0.153	0.002	0.0363	
10080 minute summer	S11	5.000	S12	0.1	0.258	0.001	0.0074	
10080 minute summer	S13	6.000	S15	0.2	0.267	0.003	0.0208	
10080 minute summer	S15	4.002	S16	0.6	0.244	0.004	0.0234	
10080 minute summer	S14	7.000	S15	0.1	0.259	0.001	0.0073	
10080 minute summer	S16	4.003	S17	0.6	0.220	0.004	0.0834	
10080 minute summer	S17	4.004	Pond	0.7	0.298	0.004	0.0635	
10080 minute summer	S1 [CP]	3.000	S2 [CP]	0.3	0.224	0.004	0.0887	
10080 minute summer	S2 [CP]	3.001	S2a [CP]	0.4	0.276	0.006	0.0249	
10080 minute summer	S2a [CP]	3.002	S6	0.5	0.141	0.005	0.0461	



Results for 1 year 10080 minute summer. 10320 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	S18	4560	1.927	0.012	0.2	0.0134	0.0000	OK
10080 minute summer	S19	4560	1.604	0.012	0.2	0.0134	0.0000	OK
10080 minute summer	S20	4560	1.562	0.015	0.3	0.0166	0.0000	OK

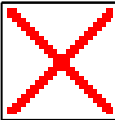
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	S18	2.000	S19	0.2	0.224	0.003	0.0697	
10080 minute summer	S19	2.001	S20	0.2	0.189	0.003	0.0116	
10080 minute summer	S20	2.002	S8	0.3	0.266	0.004	0.0391	



Results for 1 year 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	S1	4680	1.688	0.023	0.9	0.0401	0.0000	OK
10080 minute winter	S2	4680	1.576	0.024	1.0	0.0420	0.0000	OK
10080 minute winter	S3	4680	1.494	0.025	1.1	0.0439	0.0000	OK
10080 minute winter	S4	4680	1.428	0.028	1.4	0.0490	0.0000	OK
10080 minute winter	S5	4680	1.328	0.030	1.7	0.0533	0.0000	OK
10080 minute winter	S6	4740	1.230	0.040	3.1	0.0701	0.0000	OK
10080 minute winter	S8	4740	1.325	0.024	1.0	0.0420	0.0000	OK
10080 minute winter	S9	4740	1.232	0.030	1.0	0.0522	0.0000	OK
10080 minute winter	S3 [CP]	4740	1.147	0.039	3.1	0.0565	0.0000	OK
10080 minute winter	HW1							
10080 minute winter	S4 [control]	5700	0.875	0.135	3.2	0.2391	0.0000	OK
10080 minute winter	HW3	5700	0.754	0.038	3.2	0.0000	0.0000	OK
10080 minute winter	HW2							
10080 minute winter	Pond	5700	0.876	0.096	3.6	166.1722	0.0000	OK
10080 minute winter	S10	3240	1.686	0.010	0.1	0.0170	0.0000	OK
10080 minute winter	S12	4020	1.424	0.012	0.2	0.0216	0.0000	OK
10080 minute winter	S11	4020	1.644	0.010	0.1	0.0170	0.0000	OK
10080 minute winter	S13	3180	1.640	0.010	0.1	0.0170	0.0000	OK
10080 minute winter	S15	4080	1.383	0.017	0.4	0.0299	0.0000	OK
10080 minute winter	S14	4080	1.598	0.010	0.1	0.0170	0.0000	OK
10080 minute winter	S16	4080	1.359	0.017	0.4	0.0295	0.0000	OK
10080 minute winter	S17	4080	1.286	0.020	0.5	0.0352	0.0000	OK
10080 minute winter	HW4							
10080 minute winter	S1 [CP]	4020	1.625	0.012	0.2	0.0169	0.0000	OK
10080 minute winter	S2 [CP]	4080	1.354	0.015	0.3	0.0210	0.0000	OK
10080 minute winter	S2a [CP]	4680	1.282	0.014	0.4	0.0205	0.0000	OK

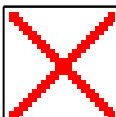
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	S1	1.000	S2	0.9	0.260	0.003	0.1572	
10080 minute winter	S2	1.001	S3	1.0	0.269	0.003	0.1228	
10080 minute winter	S3	1.002	S4	1.1	0.263	0.003	0.1154	
10080 minute winter	S4	1.003	S5	1.4	0.286	0.004	0.2008	
10080 minute winter	S5	1.004	S6	1.7	0.269	0.005	0.2807	
10080 minute winter	S6	1.005	S3 [CP]	3.1	0.398	0.009	0.2294	
10080 minute winter	S8	2.003	S9	1.0	0.234	0.003	0.1706	
10080 minute winter	S9	2.004	S6	1.0	0.155	0.003	0.0305	
10080 minute winter	S3 [CP]	1.006	Pond	3.1	0.449	0.009	0.0697	
10080 minute winter	S4 [control]	1.010	HW3	3.2	0.443	0.021	0.0769	780.8
10080 minute winter	Pond	1.009	S4 [control]	3.2	0.102	0.021	0.5661	
10080 minute winter	S10	4.000	S12	0.1	0.257	0.001	0.0116	
10080 minute winter	S12	4.001	S15	0.2	0.150	0.001	0.0272	
10080 minute winter	S11	5.000	S12	0.1	0.258	0.001	0.0074	
10080 minute winter	S13	6.000	S15	0.1	0.257	0.001	0.0116	
10080 minute winter	S15	4.002	S16	0.4	0.217	0.002	0.0175	
10080 minute winter	S14	7.000	S15	0.1	0.259	0.001	0.0073	
10080 minute winter	S16	4.003	S17	0.4	0.190	0.002	0.0644	
10080 minute winter	S17	4.004	Pond	0.5	0.301	0.003	0.0454	
10080 minute winter	S1 [CP]	3.000	S2 [CP]	0.2	0.218	0.003	0.0712	
10080 minute winter	S2 [CP]	3.001	S2a [CP]	0.3	0.269	0.004	0.0206	
10080 minute winter	S2a [CP]	3.002	S6	0.4	0.132	0.004	0.0369	



Results for 1 year 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 100.00%

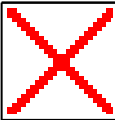
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	S18	4560	1.927	0.012	0.2	0.0134	0.0000	OK
10080 minute winter	S19	4560	1.604	0.012	0.2	0.0134	0.0000	OK
10080 minute winter	S20	4560	1.562	0.015	0.3	0.0166	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	S18	2.000	S19	0.2	0.224	0.003	0.0697	
10080 minute winter	S19	2.001	S20	0.2	0.189	0.003	0.0116	
10080 minute winter	S20	2.002	S8	0.3	0.266	0.004	0.0391	



Results for 30 year 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 100.00%

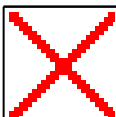
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1	10	1.977	0.312	160.9	0.5516	0.0000	OK
15 minute summer	S2	12	1.933	0.381	179.7	0.6735	0.0000	OK
15 minute summer	S3	12	1.911	0.442	188.8	0.7805	0.0000	OK
15 minute summer	S4	12	1.887	0.487	229.3	0.8606	0.0000	OK
15 minute summer	S5	12	1.844	0.546	267.7	0.9650	0.0000	OK
15 minute summer	S6	12	1.781	0.591	425.5	1.0434	0.0000	OK
15 minute summer	S8	12	1.798	0.497	147.7	0.8791	0.0000	OK
15 minute summer	S9	12	1.786	0.584	124.3	1.0327	0.0000	OK
15 minute summer	S3 [CP]	12	1.595	0.487	424.0	0.6973	0.0000	OK
15 minute summer	HW1							
15 minute summer	S4 [control]	28	0.934	0.194	7.3	0.3427	0.0000	OK
15 minute summer	HW3	27	0.761	0.045	4.5	0.0000	0.0000	OK
15 minute summer	HW2							
15 minute summer	Pond	29	0.930	0.150	506.3	264.4726	0.0000	OK
15 minute summer	S10	10	1.795	0.119	22.7	0.2110	0.0000	OK
15 minute summer	S12	11	1.611	0.199	34.7	0.3511	0.0000	OK
15 minute summer	S11	10	1.723	0.089	12.8	0.1573	0.0000	OK
15 minute summer	S13	10	1.751	0.121	23.4	0.2145	0.0000	OK
15 minute summer	S15	11	1.601	0.235	69.5	0.4158	0.0000	OK
15 minute summer	S14	10	1.676	0.088	12.5	0.1549	0.0000	OK
15 minute summer	S16	11	1.564	0.222	69.2	0.3919	0.0000	OK
15 minute summer	S17	11	1.492	0.226	85.0	0.3995	0.0000	OK
15 minute summer	HW4							
15 minute summer	S1 [CP]	12	1.910	0.297	39.2	0.4255	0.0000	OK
15 minute summer	S2 [CP]	12	1.846	0.507	46.1	0.7261	0.0000	SURCHARGED
15 minute summer	S2a [CP]	12	1.813	0.545	48.6	0.7803	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S1	1.000	S2	157.6	1.023	0.461	7.4307	
15 minute summer	S2	1.001	S3	168.1	0.980	0.490	6.7955	
15 minute summer	S3	1.002	S4	174.0	0.906	0.507	6.4159	
15 minute summer	S4	1.003	S5	211.5	0.967	0.619	10.5329	
15 minute summer	S5	1.004	S6	258.2	0.937	0.752	11.8310	
15 minute summer	S6	1.005	S3 [CP]	424.0	1.590	1.173	7.7453	
15 minute summer	S8	2.003	S9	124.3	0.712	0.362	10.4399	
15 minute summer	S9	2.004	S6	120.0	0.669	0.348	1.3266	
15 minute summer	S3 [CP]	1.006	Pond	422.6	1.835	1.172	2.3215	
15 minute summer	S4 [control]	1.010	HW3	4.5	0.495	0.030	0.0984	62.4
15 minute summer	Pond	1.009	S4 [control]	7.3	0.382	0.048	0.9778	
15 minute summer	S10	4.000	S12	22.2	0.884	0.311	0.6942	
15 minute summer	S12	4.001	S15	34.6	0.462	0.215	1.3801	
15 minute summer	S11	5.000	S12	12.6	0.747	0.177	0.2965	
15 minute summer	S13	6.000	S15	22.8	0.891	0.321	0.7093	
15 minute summer	S15	4.002	S16	69.2	0.863	0.429	0.7689	
15 minute summer	S14	7.000	S15	12.3	0.742	0.172	0.2893	
15 minute summer	S16	4.003	S17	68.7	0.873	0.429	2.4032	
15 minute summer	S17	4.004	Pond	83.7	1.138	0.521	1.9431	
15 minute summer	S1 [CP]	3.000	S2 [CP]	34.2	0.803	0.481	4.6656	
15 minute summer	S2 [CP]	3.001	S2a [CP]	40.2	0.639	0.565	1.2080	
15 minute summer	S2a [CP]	3.002	S6	47.3	0.671	0.507	0.7772	



Results for 30 year 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 100.00%

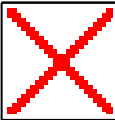
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S18	10	2.051	0.136	30.3	0.1543	0.0000	OK
15 minute summer	S19	12	1.840	0.248	29.8	0.2804	0.0000	OK
15 minute summer	S20	12	1.832	0.285	35.8	0.3221	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S18	2.000	S19	29.8	0.928	0.419	3.5095	
15 minute summer	S19	2.001	S20	27.8	0.746	0.390	0.7098	
15 minute summer	S20	2.002	S8	37.7	0.681	0.531	2.4037	



Results for 30 year 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 100.00%

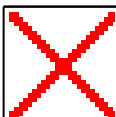
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S1	10	1.988	0.323	169.1	0.5714	0.0000	OK
15 minute winter	S2	12	1.963	0.411	188.1	0.7267	0.0000	OK
15 minute winter	S3	12	1.946	0.477	196.6	0.8430	0.0000	OK
15 minute winter	S4	12	1.928	0.528	236.6	0.9331	0.0000	OK
15 minute winter	S5	12	1.885	0.587	275.2	1.0374	0.0000	OK
15 minute winter	S6	12	1.809	0.619	447.2	1.0938	0.0000	SURCHARGED
15 minute winter	S8	12	1.835	0.534	148.5	0.9434	0.0000	OK
15 minute winter	S9	12	1.817	0.615	132.1	1.0861	0.0000	SURCHARGED
15 minute winter	S3 [CP]	12	1.613	0.505	447.7	0.7232	0.0000	OK
15 minute winter	HW1							
15 minute winter	S4 [control]	27	0.953	0.213	7.9	0.3763	0.0000	OK
15 minute winter	HW3	30	0.761	0.045	4.7	0.0000	0.0000	OK
15 minute winter	HW2							
15 minute winter	Pond	29	0.948	0.168	535.4	296.7012	0.0000	OK
15 minute winter	S10	10	1.799	0.123	23.9	0.2166	0.0000	OK
15 minute winter	S12	11	1.617	0.205	36.4	0.3629	0.0000	OK
15 minute winter	S11	10	1.725	0.091	13.5	0.1616	0.0000	OK
15 minute winter	S13	10	1.755	0.125	24.6	0.2202	0.0000	OK
15 minute winter	S15	11	1.608	0.242	72.5	0.4279	0.0000	OK
15 minute winter	S14	10	1.678	0.090	13.1	0.1587	0.0000	OK
15 minute winter	S16	11	1.570	0.228	72.5	0.4035	0.0000	OK
15 minute winter	S17	11	1.498	0.232	88.9	0.4098	0.0000	OK
15 minute winter	HW4							
15 minute winter	S1 [CP]	11	1.947	0.334	41.2	0.4777	0.0000	SURCHARGED
15 minute winter	S2 [CP]	12	1.882	0.543	47.5	0.7777	0.0000	SURCHARGED
15 minute winter	S2a [CP]	12	1.847	0.579	53.5	0.8287	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S1	1.000	S2	164.9	1.017	0.482	8.0744	
15 minute winter	S2	1.001	S3	174.8	0.966	0.509	7.3741	
15 minute winter	S3	1.002	S4	178.5	0.898	0.520	6.9046	
15 minute winter	S4	1.003	S5	216.9	0.967	0.635	11.1178	
15 minute winter	S5	1.004	S6	263.5	0.945	0.768	12.0858	
15 minute winter	S6	1.005	S3 [CP]	447.7	1.632	1.238	7.8793	
15 minute winter	S8	2.003	S9	132.1	0.725	0.385	10.7755	
15 minute winter	S9	2.004	S6	132.7	0.688	0.385	1.3335	
15 minute winter	S3 [CP]	1.006	Pond	447.9	1.882	1.242	2.3969	
15 minute winter	S4 [control]	1.010	HW3	4.7	0.499	0.031	0.1001	65.8
15 minute winter	Pond	1.009	S4 [control]	7.9	0.389	0.051	1.1179	
15 minute winter	S10	4.000	S12	23.2	0.895	0.326	0.7181	
15 minute winter	S12	4.001	S15	36.2	0.464	0.224	1.4350	
15 minute winter	S11	5.000	S12	13.2	0.756	0.186	0.3074	
15 minute winter	S13	6.000	S15	23.8	0.901	0.335	0.7331	
15 minute winter	S15	4.002	S16	72.5	0.869	0.449	0.7975	
15 minute winter	S14	7.000	S15	12.8	0.751	0.180	0.3108	
15 minute winter	S16	4.003	S17	72.0	0.883	0.449	2.4880	
15 minute winter	S17	4.004	Pond	87.5	1.154	0.544	2.0063	
15 minute winter	S1 [CP]	3.000	S2 [CP]	35.1	0.793	0.493	4.6687	
15 minute winter	S2 [CP]	3.001	S2a [CP]	45.7	0.666	0.642	1.2080	
15 minute winter	S2a [CP]	3.002	S6	54.0	0.767	0.579	0.7772	



Results for 30 year 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 100.00%

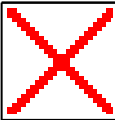
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S18	10	2.054	0.139	31.8	0.1577	0.0000	OK
15 minute winter	S19	12	1.896	0.304	31.2	0.3435	0.0000	SURCHARGED
15 minute winter	S20	12	1.885	0.338	38.6	0.3828	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S18	2.000	S19	31.2	0.924	0.438	3.8608	
15 minute winter	S19	2.001	S20	32.7	0.744	0.460	0.7609	
15 minute winter	S20	2.002	S8	39.2	0.698	0.552	2.4263	



Results for 30 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 100.00%

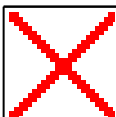
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S1	18	1.959	0.294	143.7	0.5193	0.0000	OK
30 minute summer	S2	19	1.900	0.348	162.6	0.6144	0.0000	OK
30 minute summer	S3	19	1.873	0.404	174.7	0.7134	0.0000	OK
30 minute summer	S4	19	1.848	0.448	211.9	0.7918	0.0000	OK
30 minute summer	S5	19	1.807	0.509	248.9	0.8991	0.0000	OK
30 minute summer	S6	20	1.748	0.558	399.5	0.9866	0.0000	OK
30 minute summer	S8	20	1.763	0.462	135.7	0.8171	0.0000	OK
30 minute summer	S9	20	1.754	0.552	119.0	0.9746	0.0000	OK
30 minute summer	S3 [CP]	20	1.579	0.471	399.9	0.6739	0.0000	OK
30 minute summer	HW1							
30 minute summer	S4 [control]	45	0.975	0.235	6.3	0.4156	0.0000	OK
30 minute summer	HW3	44	0.762	0.046	4.8	0.0000	0.0000	OK
30 minute summer	HW2							
30 minute summer	Pond	43	0.973	0.193	475.4	343.8629	0.0000	OK
30 minute summer	S10	18	1.789	0.113	20.3	0.1998	0.0000	OK
30 minute summer	S12	19	1.596	0.184	31.8	0.3246	0.0000	OK
30 minute summer	S11	18	1.719	0.085	11.5	0.1496	0.0000	OK
30 minute summer	S13	18	1.745	0.115	20.9	0.2031	0.0000	OK
30 minute summer	S15	19	1.587	0.221	63.2	0.3900	0.0000	OK
30 minute summer	S14	18	1.671	0.083	11.2	0.1472	0.0000	OK
30 minute summer	S16	19	1.551	0.209	62.3	0.3695	0.0000	OK
30 minute summer	S17	19	1.481	0.215	76.7	0.3804	0.0000	OK
30 minute summer	HW4							
30 minute summer	S1 [CP]	20	1.841	0.228	35.0	0.3261	0.0000	OK
30 minute summer	S2 [CP]	20	1.804	0.465	43.1	0.6656	0.0000	SURCHARGED
30 minute summer	S2a [CP]	20	1.776	0.508	46.1	0.7274	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S1	1.000	S2	142.9	0.987	0.418	6.8145	
30 minute summer	S2	1.001	S3	156.2	0.943	0.455	6.1304	
30 minute summer	S3	1.002	S4	162.5	0.883	0.473	5.8673	
30 minute summer	S4	1.003	S5	201.1	0.936	0.588	9.8417	
30 minute summer	S5	1.004	S6	243.5	0.921	0.709	11.3435	
30 minute summer	S6	1.005	S3 [CP]	399.9	1.554	1.106	7.5194	
30 minute summer	S8	2.003	S9	119.0	0.614	0.347	9.9403	
30 minute summer	S9	2.004	S6	113.0	0.554	0.328	1.2884	
30 minute summer	S3 [CP]	1.006	Pond	401.3	1.798	1.112	2.2514	
30 minute summer	S4 [control]	1.010	HW3	4.8	0.503	0.031	0.1017	70.6
30 minute summer	Pond	1.009	S4 [control]	6.3	0.282	0.041	1.3040	
30 minute summer	S10	4.000	S12	20.3	0.861	0.285	0.6482	
30 minute summer	S12	4.001	S15	31.2	0.453	0.193	1.2594	
30 minute summer	S11	5.000	S12	11.5	0.728	0.162	0.2777	
30 minute summer	S13	6.000	S15	20.9	0.867	0.293	0.6622	
30 minute summer	S15	4.002	S16	62.3	0.843	0.386	0.7107	
30 minute summer	S14	7.000	S15	11.2	0.726	0.157	0.2687	
30 minute summer	S16	4.003	S17	62.8	0.854	0.392	2.2427	
30 minute summer	S17	4.004	Pond	76.9	1.105	0.478	1.8336	
30 minute summer	S1 [CP]	3.000	S2 [CP]	31.9	0.684	0.448	4.2378	
30 minute summer	S2 [CP]	3.001	S2a [CP]	37.6	0.619	0.528	1.2080	
30 minute summer	S2a [CP]	3.002	S6	44.5	0.632	0.477	0.7772	



Results for 30 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S18	18	2.043	0.128	27.0	0.1442	0.0000	OK
30 minute summer	S19	20	1.801	0.209	27.4	0.2365	0.0000	OK
30 minute summer	S20	20	1.795	0.248	30.9	0.2801	0.0000	OK

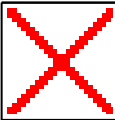
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S18	2.000	S19	27.4	0.898	0.386	3.0023	
30 minute summer	S19	2.001	S20	25.3	0.747	0.356	0.6193	
30 minute summer	S20	2.002	S8	34.4	0.699	0.484	2.2848	



Results for 30 year 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S1	18	1.941	0.276	130.0	0.4881	0.0000	OK
30 minute winter	S2	19	1.881	0.329	147.4	0.5813	0.0000	OK
30 minute winter	S3	20	1.851	0.382	158.5	0.6755	0.0000	OK
30 minute winter	S4	20	1.826	0.426	194.7	0.7528	0.0000	OK
30 minute winter	S5	20	1.786	0.488	235.3	0.8630	0.0000	OK
30 minute winter	S6	20	1.733	0.543	385.4	0.9587	0.0000	OK
30 minute winter	S8	20	1.749	0.448	120.8	0.7911	0.0000	OK
30 minute winter	S9	20	1.738	0.536	115.2	0.9469	0.0000	OK
30 minute winter	S3 [CP]	20	1.569	0.461	386.2	0.6592	0.0000	OK
30 minute winter	HW1							
30 minute winter	S4 [control]	43	0.998	0.258	6.5	0.4565	0.0000	OK
30 minute winter	HW3	41	0.762	0.046	4.9	0.0000	0.0000	OK
30 minute winter	HW2							
30 minute winter	Pond	43	0.996	0.216	455.5	386.1992	0.0000	OK
30 minute winter	S10	18	1.783	0.107	18.3	0.1886	0.0000	OK
30 minute winter	S12	19	1.584	0.172	28.7	0.3040	0.0000	OK
30 minute winter	S11	18	1.714	0.080	10.4	0.1418	0.0000	OK
30 minute winter	S13	18	1.739	0.109	18.9	0.1920	0.0000	OK
30 minute winter	S15	19	1.575	0.209	57.3	0.3691	0.0000	OK
30 minute winter	S14	18	1.667	0.079	10.1	0.1394	0.0000	OK
30 minute winter	S16	19	1.540	0.198	56.8	0.3492	0.0000	OK
30 minute winter	S17	19	1.471	0.205	70.2	0.3619	0.0000	OK
30 minute winter	HW4							
30 minute winter	S1 [CP]	20	1.820	0.207	31.6	0.2958	0.0000	OK
30 minute winter	S2 [CP]	20	1.785	0.446	38.1	0.6388	0.0000	SURCHARGED
30 minute winter	S2a [CP]	20	1.759	0.491	42.8	0.7030	0.0000	SURCHARGED

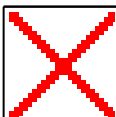
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	S1	1.000	S2	129.6	0.957	0.379	6.3892	
30 minute winter	S2	1.001	S3	141.8	0.916	0.413	5.7331	
30 minute winter	S3	1.002	S4	151.8	0.861	0.442	5.5383	
30 minute winter	S4	1.003	S5	190.3	0.915	0.557	9.4144	
30 minute winter	S5	1.004	S6	231.5	0.904	0.675	11.0518	
30 minute winter	S6	1.005	S3 [CP]	386.2	1.535	1.068	7.3685	
30 minute winter	S8	2.003	S9	115.2	0.608	0.336	9.6839	
30 minute winter	S9	2.004	S6	111.9	0.566	0.324	1.2633	
30 minute winter	S3 [CP]	1.006	Pond	386.5	1.770	1.072	2.2037	
30 minute winter	S4 [control]	1.010	HW3	4.9	0.505	0.032	0.1029	72.3
30 minute winter	Pond	1.009	S4 [control]	6.5	0.293	0.042	1.4830	
30 minute winter	S10	4.000	S12	18.3	0.837	0.257	0.6006	
30 minute winter	S12	4.001	S15	28.4	0.446	0.176	1.1644	
30 minute winter	S11	5.000	S12	10.4	0.710	0.147	0.2578	
30 minute winter	S13	6.000	S15	18.9	0.845	0.265	0.6149	
30 minute winter	S15	4.002	S16	56.8	0.823	0.352	0.6611	
30 minute winter	S14	7.000	S15	10.1	0.706	0.142	0.2492	
30 minute winter	S16	4.003	S17	57.1	0.833	0.356	2.0930	
30 minute winter	S17	4.004	Pond	70.3	1.076	0.437	1.7210	
30 minute winter	S1 [CP]	3.000	S2 [CP]	28.4	0.666	0.399	4.0506	
30 minute winter	S2 [CP]	3.001	S2a [CP]	36.3	0.636	0.509	1.2080	
30 minute winter	S2a [CP]	3.002	S6	42.8	0.609	0.459	0.7772	



Results for 30 year 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 100.00%

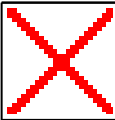
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S18	18	2.035	0.120	24.5	0.1357	0.0000	OK
30 minute winter	S19	20	1.779	0.187	24.6	0.2110	0.0000	OK
30 minute winter	S20	20	1.771	0.224	29.4	0.2533	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	S18	2.000	S19	24.6	0.866	0.345	2.7457	
30 minute winter	S19	2.001	S20	23.0	0.726	0.324	0.5536	
30 minute winter	S20	2.002	S8	31.0	0.708	0.436	2.1850	



Results for 30 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

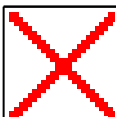
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S1	33	1.908	0.243	106.6	0.4291	0.0000	OK
60 minute summer	S2	34	1.828	0.276	121.1	0.4873	0.0000	OK
60 minute summer	S3	34	1.783	0.314	132.6	0.5555	0.0000	OK
60 minute summer	S4	35	1.753	0.353	164.9	0.6239	0.0000	OK
60 minute summer	S5	35	1.713	0.415	197.9	0.7326	0.0000	OK
60 minute summer	S6	35	1.666	0.476	326.3	0.8418	0.0000	OK
60 minute summer	S8	35	1.680	0.379	104.1	0.6689	0.0000	OK
60 minute summer	S9	35	1.671	0.469	97.5	0.8288	0.0000	OK
60 minute summer	S3 [CP]	35	1.525	0.417	327.2	0.5972	0.0000	OK
60 minute summer	HW1							
60 minute summer	S4 [control]	71	1.017	0.277	5.5	0.4887	0.0000	OK
60 minute summer	HW3	74	0.762	0.046	4.9	0.0000	0.0000	OK
60 minute summer	HW2							
60 minute summer	Pond	72	1.017	0.237	384.2	425.0970	0.0000	OK
60 minute summer	S10	33	1.772	0.096	15.0	0.1693	0.0000	OK
60 minute summer	S12	34	1.561	0.149	23.5	0.2630	0.0000	OK
60 minute summer	S11	33	1.706	0.072	8.5	0.1277	0.0000	OK
60 minute summer	S13	33	1.728	0.098	15.5	0.1724	0.0000	OK
60 minute summer	S15	34	1.552	0.186	47.0	0.3280	0.0000	OK
60 minute summer	S14	33	1.659	0.071	8.3	0.1258	0.0000	OK
60 minute summer	S16	34	1.518	0.176	46.6	0.3104	0.0000	OK
60 minute summer	S17	34	1.450	0.184	57.6	0.3248	0.0000	OK
60 minute summer	HW4							
60 minute summer	S1 [CP]	33	1.736	0.123	25.9	0.1766	0.0000	OK
60 minute summer	S2 [CP]	34	1.705	0.366	34.1	0.5242	0.0000	SURCHARGED
60 minute summer	S2a [CP]	35	1.685	0.417	38.3	0.5970	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S1	1.000	S2	106.6	0.928	0.312	5.2628	
60 minute summer	S2	1.001	S3	118.9	0.896	0.346	4.5590	
60 minute summer	S3	1.002	S4	129.2	0.849	0.376	4.4173	
60 minute summer	S4	1.003	S5	160.9	0.901	0.471	7.7859	
60 minute summer	S5	1.004	S6	194.1	0.871	0.566	9.6309	
60 minute summer	S6	1.005	S3 [CP]	327.2	1.453	0.905	6.6166	
60 minute summer	S8	2.003	S9	97.5	0.541	0.284	8.3533	
60 minute summer	S9	2.004	S6	94.8	0.501	0.275	1.1275	
60 minute summer	S3 [CP]	1.006	Pond	327.5	1.661	0.908	1.9914	
60 minute summer	S4 [control]	1.010	HW3	4.9	0.507	0.032	0.1036	78.5
60 minute summer	Pond	1.009	S4 [control]	5.5	0.235	0.036	1.6344	
60 minute summer	S10	4.000	S12	15.0	0.794	0.210	0.5190	
60 minute summer	S12	4.001	S15	23.2	0.435	0.144	0.9790	
60 minute summer	S11	5.000	S12	8.5	0.673	0.120	0.2222	
60 minute summer	S13	6.000	S15	15.5	0.801	0.217	0.5316	
60 minute summer	S15	4.002	S16	46.6	0.789	0.289	0.5657	
60 minute summer	S14	7.000	S15	8.3	0.669	0.117	0.2158	
60 minute summer	S16	4.003	S17	46.8	0.793	0.292	1.8026	
60 minute summer	S17	4.004	Pond	57.5	1.015	0.358	1.4938	
60 minute summer	S1 [CP]	3.000	S2 [CP]	25.8	0.654	0.363	3.2391	
60 minute summer	S2 [CP]	3.001	S2a [CP]	32.3	0.543	0.454	1.2080	
60 minute summer	S2a [CP]	3.002	S6	38.2	0.542	0.409	0.7772	



Results for 30 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

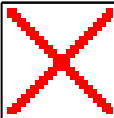
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S18	33	2.023	0.108	20.1	0.1223	0.0000	OK
60 minute summer	S19	35	1.714	0.122	20.2	0.1384	0.0000	OK
60 minute summer	S20	35	1.696	0.149	25.9	0.1686	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S18	2.000	S19	20.2	0.828	0.284	1.9134	
60 minute summer	S19	2.001	S20	19.4	0.722	0.272	0.3347	
60 minute summer	S20	2.002	S8	24.5	0.716	0.344	1.7660	



Results for 30 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

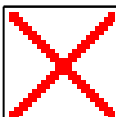
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S1	33	1.879	0.214	86.3	0.3779	0.0000	OK
60 minute winter	S2	34	1.793	0.241	98.1	0.4257	0.0000	OK
60 minute winter	S3	34	1.740	0.271	108.5	0.4793	0.0000	OK
60 minute winter	S4	35	1.704	0.304	136.9	0.5376	0.0000	OK
60 minute winter	S5	35	1.660	0.362	166.9	0.6400	0.0000	OK
60 minute winter	S6	35	1.617	0.427	279.7	0.7550	0.0000	OK
60 minute winter	S8	35	1.631	0.330	86.0	0.5829	0.0000	OK
60 minute winter	S9	35	1.622	0.420	83.6	0.7416	0.0000	OK
60 minute winter	S3 [CP]	35	1.489	0.381	279.9	0.5457	0.0000	OK
60 minute winter	HW1							
60 minute winter	S4 [control]	71	1.044	0.304	5.6	0.5379	0.0000	OK
60 minute winter	HW3	71	0.762	0.046	5.0	0.0000	0.0000	OK
60 minute winter	HW2							
60 minute winter	Pond	72	1.044	0.264	326.7	477.7300	0.0000	OK
60 minute winter	S10	33	1.762	0.086	12.2	0.1517	0.0000	OK
60 minute winter	S12	34	1.540	0.128	19.1	0.2269	0.0000	OK
60 minute winter	S11	33	1.699	0.065	6.9	0.1146	0.0000	OK
60 minute winter	S13	33	1.717	0.087	12.5	0.1537	0.0000	OK
60 minute winter	S15	34	1.531	0.165	38.2	0.2915	0.0000	OK
60 minute winter	S14	33	1.652	0.064	6.7	0.1126	0.0000	OK
60 minute winter	S16	34	1.498	0.156	38.1	0.2757	0.0000	OK
60 minute winter	S17	34	1.431	0.165	47.1	0.2918	0.0000	OK
60 minute winter	HW4							
60 minute winter	S1 [CP]	33	1.723	0.110	21.0	0.1577	0.0000	OK
60 minute winter	S2 [CP]	35	1.645	0.306	27.7	0.4377	0.0000	SURCHARGED
60 minute winter	S2a [CP]	35	1.631	0.363	31.9	0.5201	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S1	1.000	S2	86.3	0.887	0.252	4.4296	
60 minute winter	S2	1.001	S3	97.4	0.863	0.284	3.7912	
60 minute winter	S3	1.002	S4	107.8	0.825	0.314	3.6627	
60 minute winter	S4	1.003	S5	135.9	0.875	0.398	6.5788	
60 minute winter	S5	1.004	S6	165.5	0.845	0.482	8.4434	
60 minute winter	S6	1.005	S3 [CP]	279.9	1.386	0.774	5.9447	
60 minute winter	S8	2.003	S9	83.6	0.536	0.244	7.2802	
60 minute winter	S9	2.004	S6	82.7	0.461	0.240	1.0066	
60 minute winter	S3 [CP]	1.006	Pond	279.8	1.569	0.776	1.8019	
60 minute winter	S4 [control]	1.010	HW3	5.0	0.508	0.032	0.1042	80.0
60 minute winter	Pond	1.009	S4 [control]	5.6	0.249	0.036	1.8467	
60 minute winter	S10	4.000	S12	12.2	0.751	0.171	0.4464	
60 minute winter	S12	4.001	S15	19.0	0.424	0.118	0.8195	
60 minute winter	S11	5.000	S12	6.9	0.636	0.097	0.1906	
60 minute winter	S13	6.000	S15	12.5	0.756	0.175	0.4545	
60 minute winter	S15	4.002	S16	38.1	0.753	0.236	0.4823	
60 minute winter	S14	7.000	S15	6.7	0.633	0.094	0.1843	
60 minute winter	S16	4.003	S17	38.1	0.752	0.238	1.5482	
60 minute winter	S17	4.004	Pond	47.1	0.959	0.293	1.2943	
60 minute winter	S1 [CP]	3.000	S2 [CP]	21.0	0.643	0.295	3.1086	
60 minute winter	S2 [CP]	3.001	S2a [CP]	26.9	0.577	0.378	1.2080	
60 minute winter	S2a [CP]	3.002	S6	31.8	0.452	0.341	0.7772	



Results for 30 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

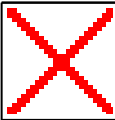
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S18	33	2.011	0.096	16.2	0.1088	0.0000	OK
60 minute winter	S19	34	1.698	0.106	16.2	0.1201	0.0000	OK
60 minute winter	S20	34	1.658	0.111	21.3	0.1258	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S18	2.000	S19	16.2	0.780	0.228	1.6268	
60 minute winter	S19	2.001	S20	16.1	0.699	0.226	0.2487	
60 minute winter	S20	2.002	S8	21.3	0.727	0.299	1.3861	



Results for 30 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S1	64	1.852	0.187	68.6	0.3309	0.0000	OK
120 minute summer	S2	64	1.760	0.208	78.0	0.3678	0.0000	OK
120 minute summer	S3	64	1.698	0.229	86.6	0.4054	0.0000	OK
120 minute summer	S4	64	1.654	0.254	109.8	0.4488	0.0000	OK
120 minute summer	S5	66	1.598	0.300	133.9	0.5295	0.0000	OK
120 minute summer	S6	66	1.557	0.367	221.3	0.6486	0.0000	OK
120 minute summer	S8	66	1.569	0.268	68.5	0.4742	0.0000	OK
120 minute summer	S9	66	1.561	0.359	66.3	0.6342	0.0000	OK
120 minute summer	S3 [CP]	66	1.443	0.335	222.1	0.4790	0.0000	OK
120 minute summer	HW1							
120 minute summer	S4 [control]	132	1.059	0.319	5.4	0.5628	0.0000	OK
120 minute summer	HW3	132	0.763	0.047	5.0	0.0000	0.0000	OK
120 minute summer	HW2							
120 minute summer	Pond	132	1.058	0.278	259.5	504.9773	0.0000	OK
120 minute summer	S10	64	1.752	0.076	9.7	0.1346	0.0000	OK
120 minute summer	S12	64	1.521	0.109	15.2	0.1928	0.0000	OK
120 minute summer	S11	64	1.692	0.058	5.5	0.1022	0.0000	OK
120 minute summer	S13	64	1.707	0.077	10.0	0.1367	0.0000	OK
120 minute summer	S15	64	1.511	0.145	30.5	0.2564	0.0000	OK
120 minute summer	S14	64	1.645	0.057	5.3	0.1000	0.0000	OK
120 minute summer	S16	64	1.479	0.137	30.4	0.2423	0.0000	OK
120 minute summer	S17	64	1.412	0.146	37.6	0.2585	0.0000	OK
120 minute summer	HW4							
120 minute summer	S1 [CP]	64	1.711	0.098	16.7	0.1398	0.0000	OK
120 minute summer	S2 [CP]	66	1.572	0.233	22.0	0.3333	0.0000	OK
120 minute summer	S2a [CP]	66	1.566	0.298	24.8	0.4261	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	S1	1.000	S2	68.6	0.851	0.201	3.6646	
120 minute summer	S2	1.001	S3	77.8	0.839	0.227	3.0708	
120 minute summer	S3	1.002	S4	86.2	0.812	0.251	2.9165	
120 minute summer	S4	1.003	S5	108.8	0.864	0.318	5.1828	
120 minute summer	S5	1.004	S6	131.5	0.826	0.383	6.9116	
120 minute summer	S6	1.005	S3 [CP]	222.1	1.298	0.614	5.0405	
120 minute summer	S8	2.003	S9	66.3	0.488	0.193	5.8722	
120 minute summer	S9	2.004	S6	64.9	0.374	0.188	0.8439	
120 minute summer	S3 [CP]	1.006	Pond	222.4	1.454	0.617	1.5454	
120 minute summer	S4 [control]	1.010	HW3	5.0	0.508	0.033	0.1044	91.1
120 minute summer	Pond	1.009	S4 [control]	5.4	0.180	0.035	1.9523	
120 minute summer	S10	4.000	S12	9.7	0.705	0.136	0.3783	
120 minute summer	S12	4.001	S15	15.2	0.413	0.094	0.6727	
120 minute summer	S11	5.000	S12	5.5	0.598	0.078	0.1618	
120 minute summer	S13	6.000	S15	10.0	0.711	0.140	0.3869	
120 minute summer	S15	4.002	S16	30.4	0.716	0.188	0.4041	
120 minute summer	S14	7.000	S15	5.3	0.593	0.074	0.1557	
120 minute summer	S16	4.003	S17	30.3	0.709	0.189	1.3038	
120 minute summer	S17	4.004	Pond	37.2	0.897	0.231	1.0952	
120 minute summer	S1 [CP]	3.000	S2 [CP]	16.7	0.621	0.235	2.5738	
120 minute summer	S2 [CP]	3.001	S2a [CP]	21.1	0.509	0.297	1.1066	
120 minute summer	S2a [CP]	3.002	S6	24.9	0.354	0.267	0.7767	



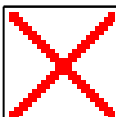
Stafford Infrastructure Eng.
13 Gostwick
Orton Brimbles
Peterborough PE2 5XF

File: 9059 Cowper's Gate - Final SW layout
Network:
Terry Stafford
27/01/2025

Results for 30 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

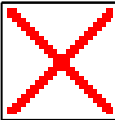
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S18	64	2.001	0.086	12.9	0.0967	0.0000	OK
120 minute summer	S19	64	1.685	0.093	12.9	0.1053	0.0000	OK
120 minute summer	S20	64	1.645	0.098	17.0	0.1113	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	S18	2.000	S19	12.9	0.737	0.181	1.3725	
120 minute summer	S19	2.001	S20	12.8	0.661	0.180	0.2091	
120 minute summer	S20	2.002	S8	16.9	0.716	0.238	1.0211	



Results for 30 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

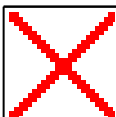
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S1	64	1.827	0.162	52.9	0.2863	0.0000	OK
120 minute winter	S2	64	1.731	0.179	60.2	0.3158	0.0000	OK
120 minute winter	S3	64	1.664	0.195	67.0	0.3451	0.0000	OK
120 minute winter	S4	64	1.616	0.216	85.1	0.3810	0.0000	OK
120 minute winter	S5	66	1.550	0.252	104.3	0.4451	0.0000	OK
120 minute winter	S6	66	1.508	0.318	175.8	0.5616	0.0000	OK
120 minute winter	S8	66	1.521	0.220	52.9	0.3880	0.0000	OK
120 minute winter	S9	66	1.511	0.309	52.4	0.5467	0.0000	OK
120 minute winter	S3 [CP]	66	1.402	0.294	175.9	0.4210	0.0000	OK
120 minute winter	HW1							
120 minute winter	S4 [control]	130	1.091	0.351	5.4	0.6203	0.0000	OK
120 minute winter	HW3	118	0.763	0.047	5.0	0.0000	0.0000	OK
120 minute winter	HW2							
120 minute winter	Pond	130	1.091	0.311	204.9	568.6354	0.0000	OK
120 minute winter	S10	64	1.743	0.067	7.5	0.1179	0.0000	OK
120 minute winter	S12	64	1.502	0.090	11.7	0.1599	0.0000	OK
120 minute winter	S11	64	1.685	0.051	4.2	0.0893	0.0000	OK
120 minute winter	S13	64	1.698	0.068	7.7	0.1195	0.0000	OK
120 minute winter	S15	64	1.492	0.126	23.5	0.2221	0.0000	OK
120 minute winter	S14	64	1.638	0.050	4.1	0.0880	0.0000	OK
120 minute winter	S16	64	1.461	0.119	23.5	0.2100	0.0000	OK
120 minute winter	S17	64	1.394	0.128	29.0	0.2270	0.0000	OK
120 minute winter	HW4							
120 minute winter	S1 [CP]	64	1.699	0.086	12.9	0.1224	0.0000	OK
120 minute winter	S2 [CP]	66	1.516	0.177	17.0	0.2539	0.0000	OK
120 minute winter	S2a [CP]	66	1.512	0.244	19.9	0.3490	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	S1	1.000	S2	52.9	0.805	0.155	2.9811	
120 minute winter	S2	1.001	S3	60.2	0.804	0.175	2.4756	
120 minute winter	S3	1.002	S4	66.9	0.785	0.195	2.3409	
120 minute winter	S4	1.003	S5	84.9	0.838	0.248	4.1571	
120 minute winter	S5	1.004	S6	103.8	0.790	0.303	5.6730	
120 minute winter	S6	1.005	S3 [CP]	175.9	1.218	0.487	4.2550	
120 minute winter	S8	2.003	S9	52.4	0.470	0.153	4.7279	
120 minute winter	S9	2.004	S6	52.2	0.404	0.151	0.7054	
120 minute winter	S3 [CP]	1.006	Pond	175.9	1.351	0.488	1.3166	
120 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	92.5
120 minute winter	Pond	1.009	S4 [control]	5.4	0.193	0.035	2.1859	
120 minute winter	S10	4.000	S12	7.5	0.657	0.105	0.3140	
120 minute winter	S12	4.001	S15	11.7	0.400	0.072	0.5366	
120 minute winter	S11	5.000	S12	4.2	0.557	0.059	0.1326	
120 minute winter	S13	6.000	S15	7.7	0.661	0.108	0.3203	
120 minute winter	S15	4.002	S16	23.5	0.675	0.145	0.3309	
120 minute winter	S14	7.000	S15	4.1	0.555	0.058	0.1287	
120 minute winter	S16	4.003	S17	23.4	0.663	0.146	1.0785	
120 minute winter	S17	4.004	Pond	29.0	0.835	0.180	0.9146	
120 minute winter	S1 [CP]	3.000	S2 [CP]	12.9	0.600	0.181	1.9792	
120 minute winter	S2 [CP]	3.001	S2a [CP]	16.8	0.509	0.235	0.8982	
120 minute winter	S2a [CP]	3.002	S6	19.9	0.290	0.213	0.7272	



Results for 30 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S18	64	1.990	0.075	10.0	0.0850	0.0000	OK
120 minute winter	S19	64	1.673	0.081	10.0	0.0914	0.0000	OK
120 minute winter	S20	66	1.633	0.086	13.2	0.0977	0.0000	OK

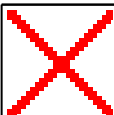
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	S18	2.000	S19	10.0	0.690	0.141	1.1350	
120 minute winter	S19	2.001	S20	10.0	0.622	0.140	0.1730	
120 minute winter	S20	2.002	S8	13.1	0.722	0.185	0.7195	



Results for 30 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S1	124	1.809	0.144	42.4	0.2538	0.0000	OK
240 minute summer	S2	124	1.708	0.156	47.9	0.2762	0.0000	OK
240 minute summer	S3	124	1.638	0.169	52.9	0.2983	0.0000	OK
240 minute summer	S4	124	1.586	0.186	67.0	0.3283	0.0000	OK
240 minute summer	S5	128	1.509	0.211	81.8	0.3737	0.0000	OK
240 minute summer	S6	128	1.465	0.275	137.2	0.4855	0.0000	OK
240 minute summer	S8	128	1.477	0.176	42.1	0.3116	0.0000	OK
240 minute summer	S9	128	1.468	0.266	41.4	0.4699	0.0000	OK
240 minute summer	S3 [CP]	128	1.366	0.258	137.8	0.3691	0.0000	OK
240 minute summer	HW1							
240 minute summer	S4 [control]	252	1.096	0.356	5.2	0.6283	0.0000	OK
240 minute summer	HW3	216	0.763	0.047	5.0	0.0000	0.0000	OK
240 minute summer	HW2							
240 minute summer	Pond	252	1.096	0.316	160.8	577.4578	0.0000	OK
240 minute summer	S10	124	1.735	0.059	6.0	0.1049	0.0000	OK
240 minute summer	S12	124	1.488	0.076	9.3	0.1346	0.0000	OK
240 minute summer	S11	124	1.679	0.045	3.4	0.0801	0.0000	OK
240 minute summer	S13	124	1.690	0.060	6.2	0.1065	0.0000	OK
240 minute summer	S15	124	1.476	0.110	18.6	0.1951	0.0000	OK
240 minute summer	S14	124	1.633	0.045	3.3	0.0787	0.0000	OK
240 minute summer	S16	124	1.446	0.104	18.5	0.1840	0.0000	OK
240 minute summer	S17	124	1.379	0.113	22.8	0.2004	0.0000	OK
240 minute summer	HW4							
240 minute summer	S1 [CP]	124	1.689	0.076	10.3	0.1086	0.0000	OK
240 minute summer	S2 [CP]	128	1.471	0.132	13.5	0.1889	0.0000	OK
240 minute summer	S2a [CP]	128	1.467	0.199	15.4	0.2844	0.0000	OK

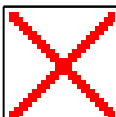
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	S1	1.000	S2	42.1	0.766	0.123	2.4910	
240 minute summer	S2	1.001	S3	47.4	0.769	0.138	2.0358	
240 minute summer	S3	1.002	S4	52.4	0.753	0.153	1.9095	
240 minute summer	S4	1.003	S5	66.3	0.817	0.194	3.3267	
240 minute summer	S5	1.004	S6	81.0	0.762	0.236	4.6127	
240 minute summer	S6	1.005	S3 [CP]	137.8	1.141	0.381	3.5578	
240 minute summer	S8	2.003	S9	41.4	0.456	0.121	3.7364	
240 minute summer	S9	2.004	S6	40.7	0.344	0.118	0.5829	
240 minute summer	S3 [CP]	1.006	Pond	138.1	1.255	0.383	1.1124	
240 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	114.9
240 minute summer	Pond	1.009	S4 [control]	5.2	0.148	0.034	2.2168	
240 minute summer	S10	4.000	S12	5.9	0.617	0.083	0.2645	
240 minute summer	S12	4.001	S15	9.2	0.389	0.057	0.4360	
240 minute summer	S11	5.000	S12	3.4	0.524	0.048	0.1130	
240 minute summer	S13	6.000	S15	6.1	0.622	0.086	0.2704	
240 minute summer	S15	4.002	S16	18.5	0.640	0.115	0.2750	
240 minute summer	S14	7.000	S15	3.3	0.521	0.046	0.1093	
240 minute summer	S16	4.003	S17	18.3	0.622	0.114	0.9002	
240 minute summer	S17	4.004	Pond	22.6	0.779	0.141	0.7658	
240 minute summer	S1 [CP]	3.000	S2 [CP]	10.2	0.596	0.143	1.4369	
240 minute summer	S2 [CP]	3.001	S2a [CP]	13.1	0.504	0.184	0.6808	
240 minute summer	S2a [CP]	3.002	S6	15.5	0.262	0.167	0.6464	



Results for 30 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%

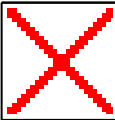
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S18	124	1.982	0.067	8.0	0.0756	0.0000	OK
240 minute summer	S19	124	1.662	0.070	7.9	0.0796	0.0000	OK
240 minute summer	S20	124	1.625	0.078	10.3	0.0881	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	S18	2.000	S19	7.9	0.651	0.111	0.9462	
240 minute summer	S19	2.001	S20	7.7	0.572	0.109	0.1462	
240 minute summer	S20	2.002	S8	10.2	0.717	0.143	0.4902	



Results for 30 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%

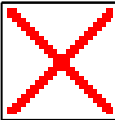
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S1	124	1.788	0.123	31.5	0.2172	0.0000	OK
240 minute winter	S2	124	1.686	0.134	35.8	0.2363	0.0000	OK
240 minute winter	S3	124	1.613	0.144	39.8	0.2546	0.0000	OK
240 minute winter	S4	124	1.559	0.159	50.5	0.2809	0.0000	OK
240 minute winter	S5	128	1.475	0.177	61.9	0.3128	0.0000	OK
240 minute winter	S6	128	1.425	0.235	105.1	0.4156	0.0000	OK
240 minute winter	S8	128	1.439	0.138	31.5	0.2442	0.0000	OK
240 minute winter	S9	128	1.428	0.226	31.4	0.3995	0.0000	OK
240 minute winter	S3 [CP]	128	1.331	0.223	105.1	0.3191	0.0000	OK
240 minute winter	HW1							
240 minute winter	S4 [control]	248	1.133	0.393	5.2	0.6946	0.0000	OK
240 minute winter	HW3	172	0.763	0.047	5.0	0.0000	0.0000	OK
240 minute winter	HW2							
240 minute winter	Pond	248	1.133	0.353	122.5	651.8420	0.0000	OK
240 minute winter	S10	124	1.728	0.052	4.5	0.0912	0.0000	OK
240 minute winter	S12	124	1.475	0.063	7.0	0.1109	0.0000	OK
240 minute winter	S11	128	1.673	0.039	2.5	0.0693	0.0000	OK
240 minute winter	S13	124	1.682	0.052	4.6	0.0922	0.0000	OK
240 minute winter	S15	124	1.461	0.095	14.0	0.1682	0.0000	OK
240 minute winter	S14	124	1.627	0.039	2.5	0.0689	0.0000	OK
240 minute winter	S16	124	1.432	0.090	14.0	0.1588	0.0000	OK
240 minute winter	S17	124	1.365	0.099	17.4	0.1755	0.0000	OK
240 minute winter	HW4							
240 minute winter	S1 [CP]	124	1.679	0.066	7.7	0.0943	0.0000	OK
240 minute winter	S2 [CP]	128	1.431	0.092	10.2	0.1315	0.0000	OK
240 minute winter	S2a [CP]	128	1.426	0.158	11.9	0.2264	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	S1	1.000	S2	31.5	0.714	0.092	1.9964	
240 minute winter	S2	1.001	S3	35.7	0.724	0.104	1.6297	
240 minute winter	S3	1.002	S4	39.7	0.712	0.116	1.5316	
240 minute winter	S4	1.003	S5	50.4	0.783	0.148	2.6411	
240 minute winter	S5	1.004	S6	61.9	0.723	0.180	3.6948	
240 minute winter	S6	1.005	S3 [CP]	105.1	1.064	0.291	2.9116	
240 minute winter	S8	2.003	S9	31.4	0.447	0.091	2.8790	
240 minute winter	S9	2.004	S6	31.3	0.314	0.091	0.4721	
240 minute winter	S3 [CP]	1.006	Pond	105.2	1.160	0.292	0.9168	
240 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	117.0
240 minute winter	Pond	1.009	S4 [control]	5.2	0.152	0.034	2.4551	
240 minute winter	S10	4.000	S12	4.5	0.571	0.063	0.2159	
240 minute winter	S12	4.001	S15	7.0	0.374	0.043	0.3443	
240 minute winter	S11	5.000	S12	2.5	0.484	0.035	0.0910	
240 minute winter	S13	6.000	S15	4.6	0.574	0.064	0.2195	
240 minute winter	S15	4.002	S16	14.0	0.598	0.087	0.2228	
240 minute winter	S14	7.000	S15	2.5	0.484	0.035	0.0894	
240 minute winter	S16	4.003	S17	14.0	0.578	0.087	0.7378	
240 minute winter	S17	4.004	Pond	17.3	0.723	0.108	0.6308	
240 minute winter	S1 [CP]	3.000	S2 [CP]	7.7	0.578	0.108	0.9820	
240 minute winter	S2 [CP]	3.001	S2a [CP]	10.1	0.503	0.141	0.4797	
240 minute winter	S2a [CP]	3.002	S6	11.9	0.243	0.127	0.5349	



Results for 30 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S18	128	1.973	0.058	5.9	0.0654	0.0000	OK
240 minute winter	S19	128	1.653	0.061	5.9	0.0685	0.0000	OK
240 minute winter	S20	128	1.615	0.068	7.8	0.0768	0.0000	OK

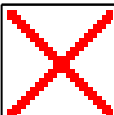
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	S18	2.000	S19	5.9	0.602	0.083	0.7669	
240 minute winter	S19	2.001	S20	5.9	0.535	0.083	0.1193	
240 minute winter	S20	2.002	S8	7.8	0.665	0.110	0.4042	



Results for 30 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S1	184	1.788	0.123	31.8	0.2180	0.0000	OK
360 minute summer	S2	184	1.686	0.134	36.0	0.2361	0.0000	OK
360 minute summer	S3	184	1.612	0.143	39.6	0.2531	0.0000	OK
360 minute summer	S4	184	1.558	0.158	50.1	0.2790	0.0000	OK
360 minute summer	S5	184	1.473	0.175	61.2	0.3084	0.0000	OK
360 minute summer	S6	184	1.421	0.231	102.3	0.4075	0.0000	OK
360 minute summer	S8	184	1.436	0.135	31.6	0.2379	0.0000	OK
360 minute summer	S9	184	1.424	0.222	31.1	0.3915	0.0000	OK
360 minute summer	S3 [CP]	184	1.326	0.218	101.3	0.3122	0.0000	OK
360 minute summer	HW1							
360 minute summer	S4 [control]	368	1.113	0.373	5.1	0.6595	0.0000	OK
360 minute summer	HW3	264	0.763	0.047	5.0	0.0000	0.0000	OK
360 minute summer	HW2							
360 minute summer	Pond	368	1.113	0.333	117.6	612.2753	0.0000	OK
360 minute summer	S10	184	1.727	0.051	4.5	0.0909	0.0000	OK
360 minute summer	S12	184	1.474	0.062	6.9	0.1101	0.0000	OK
360 minute summer	S11	184	1.673	0.039	2.5	0.0690	0.0000	OK
360 minute summer	S13	184	1.682	0.052	4.6	0.0919	0.0000	OK
360 minute summer	S15	184	1.460	0.094	13.9	0.1668	0.0000	OK
360 minute summer	S14	184	1.627	0.039	2.5	0.0687	0.0000	OK
360 minute summer	S16	184	1.431	0.089	13.8	0.1572	0.0000	OK
360 minute summer	S17	184	1.364	0.098	17.1	0.1734	0.0000	OK
360 minute summer	HW4							
360 minute summer	S1 [CP]	184	1.679	0.066	7.7	0.0938	0.0000	OK
360 minute summer	S2 [CP]	184	1.426	0.087	10.1	0.1248	0.0000	OK
360 minute summer	S2a [CP]	184	1.422	0.154	11.5	0.2197	0.0000	OK

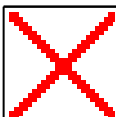
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	S1	1.000	S2	31.6	0.715	0.092	2.0001	
360 minute summer	S2	1.001	S3	35.5	0.724	0.104	1.6218	
360 minute summer	S3	1.002	S4	39.2	0.710	0.114	1.5177	
360 minute summer	S4	1.003	S5	49.6	0.781	0.145	2.6028	
360 minute summer	S5	1.004	S6	60.4	0.723	0.176	3.6080	
360 minute summer	S6	1.005	S3 [CP]	101.3	1.054	0.280	2.8311	
360 minute summer	S8	2.003	S9	31.1	0.448	0.091	2.7919	
360 minute summer	S9	2.004	S6	30.6	0.315	0.089	0.4596	
360 minute summer	S3 [CP]	1.006	Pond	100.8	1.145	0.279	0.8892	
360 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	138.8
360 minute summer	Pond	1.009	S4 [control]	5.1	0.138	0.034	2.3333	
360 minute summer	S10	4.000	S12	4.4	0.569	0.062	0.2147	
360 minute summer	S12	4.001	S15	6.9	0.373	0.043	0.3406	
360 minute summer	S11	5.000	S12	2.5	0.482	0.035	0.0903	
360 minute summer	S13	6.000	S15	4.5	0.572	0.064	0.2183	
360 minute summer	S15	4.002	S16	13.8	0.597	0.085	0.2200	
360 minute summer	S14	7.000	S15	2.5	0.483	0.035	0.0890	
360 minute summer	S16	4.003	S17	13.7	0.575	0.085	0.7261	
360 minute summer	S17	4.004	Pond	16.8	0.716	0.105	0.6194	
360 minute summer	S1 [CP]	3.000	S2 [CP]	7.6	0.585	0.107	0.9394	
360 minute summer	S2 [CP]	3.001	S2a [CP]	9.6	0.507	0.135	0.4568	
360 minute summer	S2a [CP]	3.002	S6	11.3	0.242	0.121	0.5209	



Results for 30 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 100.00%

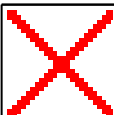
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S18	184	1.973	0.058	6.0	0.0657	0.0000	OK
360 minute summer	S19	184	1.652	0.060	5.9	0.0680	0.0000	OK
360 minute summer	S20	184	1.615	0.068	7.8	0.0764	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	S18	2.000	S19	5.9	0.605	0.083	0.7646	
360 minute summer	S19	2.001	S20	5.8	0.532	0.082	0.1181	
360 minute summer	S20	2.002	S8	7.7	0.662	0.108	0.4007	



Results for 30 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 100.00%

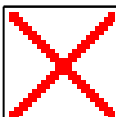
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S1	184	1.770	0.105	23.2	0.1856	0.0000	OK
360 minute winter	S2	184	1.666	0.114	26.4	0.2011	0.0000	OK
360 minute winter	S3	184	1.591	0.122	29.3	0.2148	0.0000	OK
360 minute winter	S4	184	1.535	0.135	37.2	0.2386	0.0000	OK
360 minute winter	S5	184	1.444	0.146	45.6	0.2580	0.0000	OK
360 minute winter	S6	184	1.388	0.198	77.2	0.3495	0.0000	OK
360 minute winter	S8	184	1.404	0.103	23.1	0.1825	0.0000	OK
360 minute winter	S9	184	1.390	0.188	23.1	0.3328	0.0000	OK
360 minute winter	S3 [CP]	184	1.297	0.189	77.0	0.2707	0.0000	OK
360 minute winter	HW1							
360 minute winter	S4 [control]	368	1.155	0.415	5.2	0.7335	0.0000	OK
360 minute winter	HW3	240	0.763	0.047	5.0	0.0000	0.0000	OK
360 minute winter	HW2							
360 minute winter	Pond	368	1.155	0.375	89.7	695.7432	0.0000	OK
360 minute winter	S10	184	1.720	0.044	3.3	0.0783	0.0000	OK
360 minute winter	S12	184	1.466	0.054	5.1	0.0954	0.0000	OK
360 minute winter	S11	184	1.668	0.034	1.8	0.0593	0.0000	OK
360 minute winter	S13	184	1.675	0.045	3.4	0.0795	0.0000	OK
360 minute winter	S15	184	1.447	0.081	10.3	0.1430	0.0000	OK
360 minute winter	S14	184	1.621	0.033	1.8	0.0592	0.0000	OK
360 minute winter	S16	184	1.418	0.076	10.3	0.1350	0.0000	OK
360 minute winter	S17	184	1.352	0.086	12.8	0.1511	0.0000	OK
360 minute winter	HW4							
360 minute winter	S1 [CP]	184	1.669	0.056	5.6	0.0806	0.0000	OK
360 minute winter	S2 [CP]	184	1.404	0.065	7.4	0.0924	0.0000	OK
360 minute winter	S2a [CP]	184	1.388	0.120	8.8	0.1719	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	S1	1.000	S2	23.2	0.661	0.068	1.5886	
360 minute winter	S2	1.001	S3	26.3	0.676	0.077	1.2868	
360 minute winter	S3	1.002	S4	29.2	0.663	0.085	1.2097	
360 minute winter	S4	1.003	S5	37.1	0.741	0.109	2.0537	
360 minute winter	S5	1.004	S6	45.5	0.683	0.133	2.8779	
360 minute winter	S6	1.005	S3 [CP]	77.0	0.982	0.213	2.3115	
360 minute winter	S8	2.003	S9	23.1	0.437	0.067	2.1263	
360 minute winter	S9	2.004	S6	23.0	0.294	0.067	0.3704	
360 minute winter	S3 [CP]	1.006	Pond	76.9	1.063	0.213	0.7321	
360 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	142.0
360 minute winter	Pond	1.009	S4 [control]	5.2	0.132	0.034	2.5750	
360 minute winter	S10	4.000	S12	3.3	0.525	0.046	0.1724	
360 minute winter	S12	4.001	S15	5.1	0.343	0.032	0.2740	
360 minute winter	S11	5.000	S12	1.8	0.444	0.025	0.0714	
360 minute winter	S13	6.000	S15	3.4	0.530	0.048	0.1760	
360 minute winter	S15	4.002	S16	10.3	0.554	0.064	0.1764	
360 minute winter	S14	7.000	S15	1.8	0.445	0.025	0.0705	
360 minute winter	S16	4.003	S17	10.3	0.531	0.064	0.5904	
360 minute winter	S17	4.004	Pond	12.7	0.661	0.079	0.5078	
360 minute winter	S1 [CP]	3.000	S2 [CP]	5.6	0.553	0.079	0.6709	
360 minute winter	S2 [CP]	3.001	S2a [CP]	7.4	0.494	0.104	0.3212	
360 minute winter	S2a [CP]	3.002	S6	8.7	0.231	0.094	0.4172	



Results for 30 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S18	184	1.965	0.050	4.4	0.0566	0.0000	OK
360 minute winter	S19	184	1.643	0.051	4.4	0.0582	0.0000	OK
360 minute winter	S20	184	1.605	0.058	5.7	0.0658	0.0000	OK

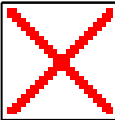
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	S18	2.000	S19	4.4	0.556	0.062	0.6148	
360 minute winter	S19	2.001	S20	4.3	0.495	0.061	0.0950	
360 minute winter	S20	2.002	S8	5.7	0.612	0.081	0.3225	



Results for 30 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S1	315	1.763	0.098	20.1	0.1726	0.0000	OK
600 minute summer	S2	315	1.658	0.106	22.9	0.1873	0.0000	OK
600 minute summer	S3	315	1.582	0.113	25.5	0.1996	0.0000	OK
600 minute summer	S4	315	1.526	0.126	32.4	0.2222	0.0000	OK
600 minute summer	S5	315	1.433	0.135	39.8	0.2382	0.0000	OK
600 minute summer	S6	315	1.374	0.184	67.6	0.3252	0.0000	OK
600 minute summer	S8	315	1.397	0.096	20.1	0.1703	0.0000	OK
600 minute summer	S9	315	1.376	0.174	20.1	0.3083	0.0000	OK
600 minute summer	S3 [CP]	315	1.285	0.177	67.6	0.2530	0.0000	OK
600 minute summer	HW1							
600 minute summer	S4 [control]	615	1.131	0.391	5.1	0.6914	0.0000	OK
600 minute summer	HW3	390	0.763	0.047	5.0	0.0000	0.0000	OK
600 minute summer	HW2							
600 minute summer	Pond	615	1.131	0.351	78.6	648.0386	0.0000	OK
600 minute summer	S10	315	1.717	0.041	2.8	0.0724	0.0000	OK
600 minute summer	S12	315	1.462	0.050	4.4	0.0892	0.0000	OK
600 minute summer	S11	315	1.666	0.032	1.6	0.0561	0.0000	OK
600 minute summer	S13	315	1.672	0.042	2.9	0.0737	0.0000	OK
600 minute summer	S15	315	1.441	0.075	8.9	0.1329	0.0000	OK
600 minute summer	S14	315	1.620	0.032	1.6	0.0559	0.0000	OK
600 minute summer	S16	315	1.413	0.071	8.9	0.1254	0.0000	OK
600 minute summer	S17	315	1.346	0.080	11.0	0.1409	0.0000	OK
600 minute summer	HW4							
600 minute summer	S1 [CP]	315	1.666	0.053	4.9	0.0756	0.0000	OK
600 minute summer	S2 [CP]	315	1.400	0.061	6.5	0.0867	0.0000	OK
600 minute summer	S2a [CP]	315	1.374	0.106	7.7	0.1520	0.0000	OK

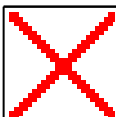
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S1	1.000	S2	20.1	0.636	0.059	1.4313	
600 minute summer	S2	1.001	S3	22.9	0.653	0.067	1.1589	
600 minute summer	S3	1.002	S4	25.5	0.643	0.074	1.0909	
600 minute summer	S4	1.003	S5	32.4	0.720	0.095	1.8436	
600 minute summer	S5	1.004	S6	39.8	0.665	0.116	2.5910	
600 minute summer	S6	1.005	S3 [CP]	67.6	0.949	0.187	2.0983	
600 minute summer	S8	2.003	S9	20.1	0.426	0.059	1.9157	
600 minute summer	S9	2.004	S6	20.1	0.285	0.058	0.3342	
600 minute summer	S3 [CP]	1.006	Pond	67.6	1.025	0.187	0.6668	
600 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	186.6
600 minute summer	Pond	1.009	S4 [control]	5.1	0.106	0.033	2.4441	
600 minute summer	S10	4.000	S12	2.8	0.500	0.039	0.1541	
600 minute summer	S12	4.001	S15	4.4	0.329	0.027	0.2469	
600 minute summer	S11	5.000	S12	1.6	0.428	0.023	0.0658	
600 minute summer	S13	6.000	S15	2.9	0.505	0.041	0.1579	
600 minute summer	S15	4.002	S16	8.9	0.534	0.055	0.1586	
600 minute summer	S14	7.000	S15	1.6	0.429	0.022	0.0649	
600 minute summer	S16	4.003	S17	8.9	0.511	0.056	0.5319	
600 minute summer	S17	4.004	Pond	11.0	0.636	0.068	0.4560	
600 minute summer	S1 [CP]	3.000	S2 [CP]	4.9	0.531	0.069	0.6125	
600 minute summer	S2 [CP]	3.001	S2a [CP]	6.5	0.493	0.091	0.2784	
600 minute summer	S2a [CP]	3.002	S6	7.7	0.229	0.083	0.3732	



Results for 30 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S18	315	1.962	0.047	3.8	0.0528	0.0000	OK
600 minute summer	S19	315	1.640	0.048	3.8	0.0542	0.0000	OK
600 minute summer	S20	315	1.601	0.054	5.0	0.0615	0.0000	OK

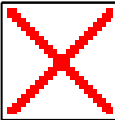
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S18	2.000	S19	3.8	0.536	0.053	0.5549	
600 minute summer	S19	2.001	S20	3.8	0.478	0.053	0.0860	
600 minute summer	S20	2.002	S8	5.0	0.587	0.070	0.2933	



Results for 30 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S1	315	1.750	0.085	15.4	0.1510	0.0000	OK
600 minute winter	S2	315	1.644	0.092	17.5	0.1632	0.0000	OK
600 minute winter	S3	315	1.567	0.098	19.5	0.1731	0.0000	OK
600 minute winter	S4	315	1.509	0.109	24.8	0.1932	0.0000	OK
600 minute winter	S5	315	1.416	0.118	30.4	0.2084	0.0000	OK
600 minute winter	S6	315	1.349	0.159	51.6	0.2812	0.0000	OK
600 minute winter	S8	315	1.386	0.085	15.4	0.1497	0.0000	OK
600 minute winter	S9	315	1.351	0.149	15.4	0.2639	0.0000	OK
600 minute winter	S3 [CP]	315	1.262	0.154	51.6	0.2199	0.0000	OK
600 minute winter	HW1							
600 minute winter	S4 [control]	600	1.176	0.436	5.1	0.7704	0.0000	OK
600 minute winter	HW3	375	0.763	0.047	5.0	0.0000	0.0000	OK
600 minute winter	HW2							
600 minute winter	Pond	600	1.176	0.396	60.0	738.1008	0.0000	OK
600 minute winter	S10	315	1.713	0.037	2.2	0.0647	0.0000	OK
600 minute winter	S12	315	1.457	0.045	3.4	0.0788	0.0000	OK
600 minute winter	S11	300	1.662	0.028	1.2	0.0489	0.0000	OK
600 minute winter	S13	315	1.667	0.037	2.2	0.0647	0.0000	OK
600 minute winter	S15	315	1.432	0.066	6.8	0.1160	0.0000	OK
600 minute winter	S14	315	1.616	0.028	1.2	0.0488	0.0000	OK
600 minute winter	S16	315	1.404	0.062	6.8	0.1099	0.0000	OK
600 minute winter	S17	315	1.336	0.070	8.4	0.1239	0.0000	OK
600 minute winter	HW4							
600 minute winter	S1 [CP]	315	1.659	0.046	3.7	0.0659	0.0000	OK
600 minute winter	S2 [CP]	315	1.392	0.053	4.9	0.0756	0.0000	OK
600 minute winter	S2a [CP]	315	1.349	0.081	5.8	0.1157	0.0000	OK

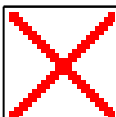
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S1	1.000	S2	15.4	0.594	0.045	1.1751	
600 minute winter	S2	1.001	S3	17.5	0.611	0.051	0.9461	
600 minute winter	S3	1.002	S4	19.5	0.602	0.057	0.8905	
600 minute winter	S4	1.003	S5	24.8	0.670	0.073	1.5163	
600 minute winter	S5	1.004	S6	30.4	0.619	0.089	2.1247	
600 minute winter	S6	1.005	S3 [CP]	51.6	0.885	0.143	1.7176	
600 minute winter	S8	2.003	S9	15.4	0.400	0.045	1.5545	
600 minute winter	S9	2.004	S6	15.4	0.269	0.045	0.2707	
600 minute winter	S3 [CP]	1.006	Pond	51.6	0.953	0.143	0.5473	
600 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	191.6
600 minute winter	Pond	1.009	S4 [control]	5.1	0.125	0.033	2.6693	
600 minute winter	S10	4.000	S12	2.2	0.471	0.031	0.1284	
600 minute winter	S12	4.001	S15	3.4	0.308	0.021	0.2039	
600 minute winter	S11	5.000	S12	1.2	0.394	0.017	0.0538	
600 minute winter	S13	6.000	S15	2.2	0.471	0.031	0.1283	
600 minute winter	S15	4.002	S16	6.8	0.496	0.042	0.1305	
600 minute winter	S14	7.000	S15	1.2	0.394	0.017	0.0531	
600 minute winter	S16	4.003	S17	6.8	0.472	0.042	0.4404	
600 minute winter	S17	4.004	Pond	8.4	0.587	0.052	0.3775	
600 minute winter	S1 [CP]	3.000	S2 [CP]	3.7	0.489	0.052	0.5022	
600 minute winter	S2 [CP]	3.001	S2a [CP]	4.9	0.502	0.069	0.2025	
600 minute winter	S2a [CP]	3.002	S6	5.8	0.227	0.062	0.2937	



Results for 30 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S18	315	1.956	0.041	2.9	0.0464	0.0000	OK
600 minute winter	S19	315	1.634	0.042	2.9	0.0471	0.0000	OK
600 minute winter	S20	315	1.595	0.048	3.8	0.0538	0.0000	OK

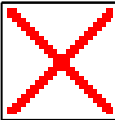
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S18	2.000	S19	2.9	0.497	0.041	0.4560	
600 minute winter	S19	2.001	S20	2.9	0.445	0.041	0.0705	
600 minute winter	S20	2.002	S8	3.8	0.548	0.053	0.2391	



Results for 30 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S1	495	1.748	0.083	14.5	0.1464	0.0000	OK
960 minute summer	S2	495	1.642	0.090	16.5	0.1584	0.0000	OK
960 minute summer	S3	495	1.564	0.095	18.4	0.1678	0.0000	OK
960 minute summer	S4	495	1.506	0.106	23.4	0.1875	0.0000	OK
960 minute summer	S5	495	1.413	0.115	28.7	0.2026	0.0000	OK
960 minute summer	S6	495	1.344	0.154	48.7	0.2727	0.0000	OK
960 minute summer	S8	495	1.383	0.082	14.5	0.1455	0.0000	OK
960 minute summer	S9	495	1.346	0.144	14.5	0.2553	0.0000	OK
960 minute summer	S3 [CP]	495	1.257	0.149	48.7	0.2135	0.0000	OK
960 minute summer	HW1							
960 minute summer	S4 [control]	960	1.137	0.397	5.1	0.7017	0.0000	OK
960 minute summer	HW3	585	0.763	0.047	5.0	0.0000	0.0000	OK
960 minute summer	HW2							
960 minute summer	Pond	960	1.137	0.357	56.6	659.7168	0.0000	OK
960 minute summer	S10	495	1.711	0.035	2.0	0.0619	0.0000	OK
960 minute summer	S12	495	1.455	0.043	3.2	0.0766	0.0000	OK
960 minute summer	S11	495	1.662	0.028	1.2	0.0489	0.0000	OK
960 minute summer	S13	495	1.666	0.036	2.1	0.0633	0.0000	OK
960 minute summer	S15	495	1.430	0.064	6.4	0.1125	0.0000	OK
960 minute summer	S14	495	1.615	0.027	1.1	0.0469	0.0000	OK
960 minute summer	S16	495	1.402	0.060	6.4	0.1068	0.0000	OK
960 minute summer	S17	495	1.334	0.068	7.9	0.1203	0.0000	OK
960 minute summer	HW4							
960 minute summer	S1 [CP]	495	1.658	0.045	3.5	0.0642	0.0000	OK
960 minute summer	S2 [CP]	495	1.390	0.051	4.6	0.0733	0.0000	OK
960 minute summer	S2a [CP]	495	1.344	0.076	5.5	0.1088	0.0000	OK

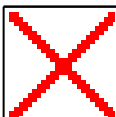
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S1	1.000	S2	14.5	0.584	0.042	1.1255	
960 minute summer	S2	1.001	S3	16.5	0.603	0.048	0.9057	
960 minute summer	S3	1.002	S4	18.4	0.593	0.054	0.8517	
960 minute summer	S4	1.003	S5	23.4	0.659	0.068	1.4540	
960 minute summer	S5	1.004	S6	28.7	0.610	0.084	2.0376	
960 minute summer	S6	1.005	S3 [CP]	48.7	0.871	0.135	1.6464	
960 minute summer	S8	2.003	S9	14.5	0.395	0.042	1.4849	
960 minute summer	S9	2.004	S6	14.5	0.265	0.042	0.2588	
960 minute summer	S3 [CP]	1.006	Pond	48.7	0.938	0.135	0.5252	
960 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	260.7
960 minute summer	Pond	1.009	S4 [control]	5.1	0.105	0.033	2.4782	
960 minute summer	S10	4.000	S12	2.0	0.460	0.028	0.1196	
960 minute summer	S12	4.001	S15	3.2	0.302	0.020	0.1953	
960 minute summer	S11	5.000	S12	1.2	0.394	0.017	0.0538	
960 minute summer	S13	6.000	S15	2.1	0.466	0.029	0.1240	
960 minute summer	S15	4.002	S16	6.4	0.487	0.040	0.1250	
960 minute summer	S14	7.000	S15	1.1	0.387	0.015	0.0495	
960 minute summer	S16	4.003	S17	6.4	0.463	0.040	0.4222	
960 minute summer	S17	4.004	Pond	7.9	0.575	0.049	0.3621	
960 minute summer	S1 [CP]	3.000	S2 [CP]	3.5	0.482	0.049	0.4817	
960 minute summer	S2 [CP]	3.001	S2a [CP]	4.6	0.491	0.065	0.1884	
960 minute summer	S2a [CP]	3.002	S6	5.5	0.230	0.059	0.2787	



Results for 30 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

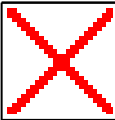
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S18	495	1.955	0.040	2.7	0.0449	0.0000	OK
960 minute summer	S19	495	1.632	0.040	2.7	0.0453	0.0000	OK
960 minute summer	S20	495	1.593	0.046	3.6	0.0524	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S18	2.000	S19	2.7	0.488	0.038	0.4322	
960 minute summer	S19	2.001	S20	2.7	0.434	0.038	0.0672	
960 minute summer	S20	2.002	S8	3.6	0.540	0.051	0.2299	



Results for 30 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

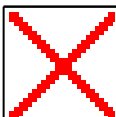
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S1	495	1.736	0.071	10.7	0.1261	0.0000	OK
960 minute winter	S2	495	1.629	0.077	12.2	0.1364	0.0000	OK
960 minute winter	S3	495	1.550	0.081	13.6	0.1434	0.0000	OK
960 minute winter	S4	495	1.491	0.091	17.3	0.1604	0.0000	OK
960 minute winter	S5	495	1.397	0.099	21.2	0.1748	0.0000	OK
960 minute winter	S6	495	1.322	0.132	36.0	0.2326	0.0000	OK
960 minute winter	S8	495	1.373	0.072	10.8	0.1265	0.0000	OK
960 minute winter	S9	495	1.324	0.122	10.8	0.2149	0.0000	OK
960 minute winter	S3 [CP]	495	1.236	0.128	36.0	0.1829	0.0000	OK
960 minute winter	HW1							
960 minute winter	S4 [control]	930	1.186	0.446	5.1	0.7887	0.0000	OK
960 minute winter	HW3	570	0.763	0.047	5.0	0.0000	0.0000	OK
960 minute winter	HW2							
960 minute winter	Pond	930	1.186	0.406	41.9	759.2304	0.0000	OK
960 minute winter	S10	480	1.707	0.031	1.5	0.0539	0.0000	OK
960 minute winter	S12	495	1.450	0.038	2.4	0.0670	0.0000	OK
960 minute winter	S11	495	1.658	0.024	0.9	0.0429	0.0000	OK
960 minute winter	S13	495	1.661	0.031	1.6	0.0557	0.0000	OK
960 minute winter	S15	495	1.421	0.055	4.8	0.0975	0.0000	OK
960 minute winter	S14	465	1.611	0.023	0.8	0.0406	0.0000	OK
960 minute winter	S16	495	1.395	0.053	4.8	0.0931	0.0000	OK
960 minute winter	S17	495	1.325	0.059	5.9	0.1049	0.0000	OK
960 minute winter	HW4							
960 minute winter	S1 [CP]	480	1.652	0.039	2.6	0.0557	0.0000	OK
960 minute winter	S2 [CP]	480	1.383	0.044	3.4	0.0633	0.0000	OK
960 minute winter	S2a [CP]	495	1.321	0.053	4.0	0.0757	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	S1	1.000	S2	10.7	0.536	0.031	0.9044	
960 minute winter	S2	1.001	S3	12.2	0.558	0.036	0.7239	
960 minute winter	S3	1.002	S4	13.6	0.550	0.040	0.6785	
960 minute winter	S4	1.003	S5	17.3	0.607	0.051	1.1679	
960 minute winter	S5	1.004	S6	21.2	0.561	0.062	1.6337	
960 minute winter	S6	1.005	S3 [CP]	36.0	0.805	0.100	1.3174	
960 minute winter	S8	2.003	S9	10.8	0.370	0.031	1.1770	
960 minute winter	S9	2.004	S6	10.8	0.250	0.031	0.2046	
960 minute winter	S3 [CP]	1.006	Pond	36.0	0.864	0.100	0.4208	
960 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	268.6
960 minute winter	Pond	1.009	S4 [control]	5.1	0.104	0.033	2.7051	
960 minute winter	S10	4.000	S12	1.5	0.422	0.021	0.0978	
960 minute winter	S12	4.001	S15	2.4	0.279	0.015	0.1589	
960 minute winter	S11	5.000	S12	0.9	0.369	0.013	0.0429	
960 minute winter	S13	6.000	S15	1.6	0.430	0.022	0.1022	
960 minute winter	S15	4.002	S16	4.8	0.448	0.030	0.1019	
960 minute winter	S14	7.000	S15	0.8	0.360	0.011	0.0387	
960 minute winter	S16	4.003	S17	4.8	0.424	0.030	0.3456	
960 minute winter	S17	4.004	Pond	5.9	0.534	0.037	0.2912	
960 minute winter	S1 [CP]	3.000	S2 [CP]	2.6	0.442	0.037	0.3902	
960 minute winter	S2 [CP]	3.001	S2a [CP]	3.4	0.501	0.048	0.1267	
960 minute winter	S2a [CP]	3.002	S6	4.0	0.227	0.043	0.2101	



Results for 30 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S18	495	1.950	0.035	2.0	0.0391	0.0000	OK
960 minute winter	S19	510	1.626	0.034	2.0	0.0389	0.0000	OK
960 minute winter	S20	495	1.587	0.040	2.7	0.0456	0.0000	OK

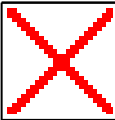
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	S18	2.000	S19	2.0	0.449	0.028	0.3490	
960 minute winter	S19	2.001	S20	2.0	0.403	0.028	0.0543	
960 minute winter	S20	2.002	S8	2.7	0.496	0.038	0.1876	



Results for 30 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S1	750	1.735	0.070	10.4	0.1245	0.0000	OK
1440 minute summer	S2	750	1.628	0.076	11.8	0.1342	0.0000	OK
1440 minute summer	S3	750	1.549	0.080	13.1	0.1407	0.0000	OK
1440 minute summer	S4	750	1.489	0.089	16.7	0.1575	0.0000	OK
1440 minute summer	S5	750	1.395	0.097	20.5	0.1720	0.0000	OK
1440 minute summer	S6	750	1.319	0.129	34.7	0.2281	0.0000	OK
1440 minute summer	S8	750	1.371	0.070	10.3	0.1237	0.0000	OK
1440 minute summer	S9	750	1.321	0.119	10.3	0.2103	0.0000	OK
1440 minute summer	S3 [CP]	750	1.233	0.125	34.7	0.1795	0.0000	OK
1440 minute summer	HW1							
1440 minute summer	S4 [control]	1200	1.134	0.394	5.0	0.6959	0.0000	OK
1440 minute summer	HW3	1680	0.763	0.047	5.0	0.0000	0.0000	OK
1440 minute summer	HW2							
1440 minute summer	Pond	1170	1.134	0.354	40.4	653.1976	0.0000	OK
1440 minute summer	S10	750	1.707	0.031	1.5	0.0539	0.0000	OK
1440 minute summer	S12	750	1.449	0.037	2.3	0.0656	0.0000	OK
1440 minute summer	S11	750	1.657	0.023	0.8	0.0407	0.0000	OK
1440 minute summer	S13	750	1.661	0.031	1.5	0.0539	0.0000	OK
1440 minute summer	S15	750	1.420	0.054	4.6	0.0955	0.0000	OK
1440 minute summer	S14	750	1.611	0.023	0.8	0.0406	0.0000	OK
1440 minute summer	S16	750	1.394	0.052	4.6	0.0913	0.0000	OK
1440 minute summer	S17	750	1.324	0.058	5.7	0.1033	0.0000	OK
1440 minute summer	HW4							
1440 minute summer	S1 [CP]	750	1.651	0.038	2.5	0.0546	0.0000	OK
1440 minute summer	S2 [CP]	720	1.383	0.044	3.3	0.0624	0.0000	OK
1440 minute summer	S2a [CP]	750	1.318	0.050	3.9	0.0721	0.0000	OK

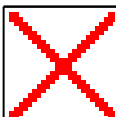
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S1	1.000	S2	10.4	0.532	0.030	0.8851	
1440 minute summer	S2	1.001	S3	11.8	0.553	0.034	0.7051	
1440 minute summer	S3	1.002	S4	13.1	0.545	0.038	0.6603	
1440 minute summer	S4	1.003	S5	16.7	0.601	0.049	1.1394	
1440 minute summer	S5	1.004	S6	20.5	0.557	0.060	1.5922	
1440 minute summer	S6	1.005	S3 [CP]	34.7	0.797	0.096	1.2826	
1440 minute summer	S8	2.003	S9	10.3	0.365	0.030	1.1402	
1440 minute summer	S9	2.004	S6	10.3	0.245	0.030	0.1987	
1440 minute summer	S3 [CP]	1.006	Pond	34.7	0.856	0.096	0.4099	
1440 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	357.0
1440 minute summer	Pond	1.009	S4 [control]	5.0	0.102	0.033	2.4592	
1440 minute summer	S10	4.000	S12	1.5	0.422	0.021	0.0978	
1440 minute summer	S12	4.001	S15	2.3	0.275	0.014	0.1542	
1440 minute summer	S11	5.000	S12	0.8	0.359	0.011	0.0392	
1440 minute summer	S13	6.000	S15	1.5	0.422	0.021	0.0978	
1440 minute summer	S15	4.002	S16	4.6	0.443	0.029	0.0989	
1440 minute summer	S14	7.000	S15	0.8	0.360	0.011	0.0387	
1440 minute summer	S16	4.003	S17	4.6	0.417	0.029	0.3368	
1440 minute summer	S17	4.004	Pond	5.7	0.529	0.035	0.2840	
1440 minute summer	S1 [CP]	3.000	S2 [CP]	2.5	0.436	0.035	0.3811	
1440 minute summer	S2 [CP]	3.001	S2a [CP]	3.3	0.506	0.046	0.1208	
1440 minute summer	S2a [CP]	3.002	S6	3.9	0.227	0.042	0.2029	



Results for 30 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S18	750	1.949	0.034	1.9	0.0381	0.0000	OK
1440 minute summer	S19	750	1.626	0.034	1.9	0.0379	0.0000	OK
1440 minute summer	S20	750	1.586	0.039	2.5	0.0439	0.0000	OK

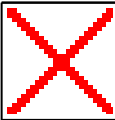
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S18	2.000	S19	1.9	0.442	0.027	0.3360	
1440 minute summer	S19	2.001	S20	1.9	0.396	0.027	0.0519	
1440 minute summer	S20	2.002	S8	2.5	0.487	0.035	0.1769	



Results for 30 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S1	750	1.726	0.061	7.8	0.1086	0.0000	OK
1440 minute winter	S2	750	1.618	0.066	8.9	0.1170	0.0000	OK
1440 minute winter	S3	750	1.538	0.069	9.9	0.1222	0.0000	OK
1440 minute winter	S4	750	1.477	0.077	12.6	0.1365	0.0000	OK
1440 minute winter	S5	750	1.383	0.085	15.5	0.1502	0.0000	OK
1440 minute winter	S6	750	1.302	0.112	26.4	0.1982	0.0000	OK
1440 minute winter	S8	750	1.363	0.062	7.9	0.1091	0.0000	OK
1440 minute winter	S9	750	1.304	0.102	7.9	0.1802	0.0000	OK
1440 minute winter	S3 [CP]	750	1.218	0.110	26.4	0.1568	0.0000	OK
1440 minute winter	HW1							
1440 minute winter	S4 [control]	1350	1.182	0.442	5.0	0.7817	0.0000	OK
1440 minute winter	HW3	840	0.763	0.047	5.0	0.0000	0.0000	OK
1440 minute winter	HW2							
1440 minute winter	Pond	1350	1.182	0.402	30.6	751.1153	0.0000	OK
1440 minute winter	S10	720	1.702	0.026	1.1	0.0467	0.0000	OK
1440 minute winter	S12	720	1.444	0.032	1.7	0.0571	0.0000	OK
1440 minute winter	S11	690	1.654	0.020	0.6	0.0358	0.0000	OK
1440 minute winter	S13	720	1.656	0.026	1.1	0.0467	0.0000	OK
1440 minute winter	S15	720	1.413	0.047	3.4	0.0823	0.0000	OK
1440 minute winter	S14	720	1.608	0.020	0.6	0.0357	0.0000	OK
1440 minute winter	S16	720	1.387	0.045	3.4	0.0791	0.0000	OK
1440 minute winter	S17	720	1.317	0.051	4.2	0.0898	0.0000	OK
1440 minute winter	HW4							
1440 minute winter	S1 [CP]	750	1.647	0.034	1.9	0.0480	0.0000	OK
1440 minute winter	S2 [CP]	750	1.378	0.039	2.5	0.0560	0.0000	OK
1440 minute winter	S2a [CP]	750	1.305	0.037	3.0	0.0524	0.0000	OK

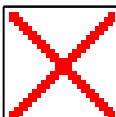
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S1	1.000	S2	7.8	0.489	0.023	0.7228	
1440 minute winter	S2	1.001	S3	8.9	0.512	0.026	0.5744	
1440 minute winter	S3	1.002	S4	9.9	0.507	0.029	0.5364	
1440 minute winter	S4	1.003	S5	12.6	0.555	0.037	0.9307	
1440 minute winter	S5	1.004	S6	15.5	0.514	0.045	1.3047	
1440 minute winter	S6	1.005	S3 [CP]	26.4	0.739	0.073	1.0522	
1440 minute winter	S8	2.003	S9	7.9	0.344	0.023	0.9240	
1440 minute winter	S9	2.004	S6	7.9	0.233	0.023	0.1609	
1440 minute winter	S3 [CP]	1.006	Pond	26.4	0.792	0.073	0.3371	
1440 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	369.6
1440 minute winter	Pond	1.009	S4 [control]	5.0	0.102	0.033	2.6919	
1440 minute winter	S10	4.000	S12	1.1	0.388	0.015	0.0780	
1440 minute winter	S12	4.001	S15	1.7	0.253	0.011	0.1244	
1440 minute winter	S11	5.000	S12	0.6	0.332	0.008	0.0319	
1440 minute winter	S13	6.000	S15	1.1	0.388	0.015	0.0780	
1440 minute winter	S15	4.002	S16	3.4	0.406	0.021	0.0797	
1440 minute winter	S14	7.000	S15	0.6	0.332	0.008	0.0315	
1440 minute winter	S16	4.003	S17	3.4	0.380	0.021	0.2735	
1440 minute winter	S17	4.004	Pond	4.2	0.482	0.026	0.2301	
1440 minute winter	S1 [CP]	3.000	S2 [CP]	1.9	0.393	0.027	0.3204	
1440 minute winter	S2 [CP]	3.001	S2a [CP]	2.5	0.487	0.035	0.0881	
1440 minute winter	S2a [CP]	3.002	S6	3.0	0.221	0.032	0.1596	



Results for 30 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S18	750	1.945	0.030	1.5	0.0340	0.0000	OK
1440 minute winter	S19	750	1.622	0.030	1.5	0.0338	0.0000	OK
1440 minute winter	S20	750	1.582	0.035	2.0	0.0396	0.0000	OK

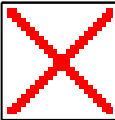
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S18	2.000	S19	1.5	0.411	0.021	0.2849	
1440 minute winter	S19	2.001	S20	1.5	0.367	0.021	0.0443	
1440 minute winter	S20	2.002	S8	2.0	0.460	0.028	0.1499	



Results for 30 year 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	S1	1140	1.725	0.060	7.3	0.1052	0.0000	OK
2160 minute summer	S2	1140	1.616	0.064	8.3	0.1132	0.0000	OK
2160 minute summer	S3	1140	1.536	0.067	9.2	0.1178	0.0000	OK
2160 minute summer	S4	1140	1.474	0.074	11.7	0.1316	0.0000	OK
2160 minute summer	S5	1140	1.380	0.082	14.4	0.1450	0.0000	OK
2160 minute summer	S6	1140	1.298	0.108	24.5	0.1909	0.0000	OK
2160 minute summer	S8	1140	1.360	0.059	7.3	0.1051	0.0000	OK
2160 minute summer	S9	1140	1.300	0.098	7.3	0.1728	0.0000	OK
2160 minute summer	S3 [CP]	1140	1.213	0.105	24.5	0.1509	0.0000	OK
2160 minute summer	HW1							
2160 minute summer	S4 [control]	1560	1.126	0.386	5.0	0.6825	0.0000	OK
2160 minute summer	HW3	2220	0.763	0.047	5.0	0.0000	0.0000	OK
2160 minute summer	HW2							
2160 minute summer	Pond	1560	1.126	0.346	28.6	638.1037	0.0000	OK
2160 minute summer	S10	1140	1.701	0.025	1.0	0.0448	0.0000	OK
2160 minute summer	S12	1140	1.443	0.031	1.6	0.0556	0.0000	OK
2160 minute summer	S11	1140	1.654	0.020	0.6	0.0358	0.0000	OK
2160 minute summer	S13	1140	1.656	0.026	1.1	0.0467	0.0000	OK
2160 minute summer	S15	1140	1.412	0.046	3.3	0.0811	0.0000	OK
2160 minute summer	S14	1140	1.608	0.020	0.6	0.0357	0.0000	OK
2160 minute summer	S16	1140	1.386	0.044	3.3	0.0780	0.0000	OK
2160 minute summer	S17	1140	1.316	0.050	4.1	0.0888	0.0000	OK
2160 minute summer	HW4							
2160 minute summer	S1 [CP]	1140	1.646	0.033	1.8	0.0468	0.0000	OK
2160 minute summer	S2 [CP]	1140	1.377	0.038	2.4	0.0549	0.0000	OK
2160 minute summer	S2a [CP]	1140	1.303	0.035	2.8	0.0508	0.0000	OK

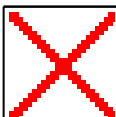
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	S1	1.000	S2	7.3	0.480	0.021	0.6897	
2160 minute summer	S2	1.001	S3	8.3	0.503	0.024	0.5455	
2160 minute summer	S3	1.002	S4	9.2	0.497	0.027	0.5083	
2160 minute summer	S4	1.003	S5	11.7	0.543	0.034	0.8834	
2160 minute summer	S5	1.004	S6	14.4	0.504	0.042	1.2368	
2160 minute summer	S6	1.005	S3 [CP]	24.5	0.725	0.068	0.9955	
2160 minute summer	S8	2.003	S9	7.3	0.338	0.021	0.8712	
2160 minute summer	S9	2.004	S6	7.3	0.228	0.021	0.1520	
2160 minute summer	S3 [CP]	1.006	Pond	24.5	0.778	0.068	0.3181	
2160 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	499.8
2160 minute summer	Pond	1.009	S4 [control]	5.0	0.102	0.033	2.4146	
2160 minute summer	S10	4.000	S12	1.0	0.380	0.014	0.0724	
2160 minute summer	S12	4.001	S15	1.6	0.245	0.010	0.1208	
2160 minute summer	S11	5.000	S12	0.6	0.332	0.008	0.0319	
2160 minute summer	S13	6.000	S15	1.1	0.388	0.015	0.0780	
2160 minute summer	S15	4.002	S16	3.3	0.402	0.020	0.0780	
2160 minute summer	S14	7.000	S15	0.6	0.332	0.008	0.0315	
2160 minute summer	S16	4.003	S17	3.3	0.376	0.021	0.2684	
2160 minute summer	S17	4.004	Pond	4.1	0.478	0.025	0.2263	
2160 minute summer	S1 [CP]	3.000	S2 [CP]	1.8	0.385	0.025	0.3103	
2160 minute summer	S2 [CP]	3.001	S2a [CP]	2.4	0.485	0.034	0.0849	
2160 minute summer	S2a [CP]	3.002	S6	2.8	0.217	0.030	0.1517	



Results for 30 year 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 100.00%

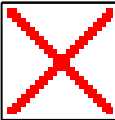
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	S18	1140	1.944	0.029	1.4	0.0329	0.0000	OK
2160 minute summer	S19	1140	1.621	0.029	1.4	0.0327	0.0000	OK
2160 minute summer	S20	1140	1.580	0.033	1.8	0.0377	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	S18	2.000	S19	1.4	0.403	0.020	0.2714	
2160 minute summer	S19	2.001	S20	1.4	0.364	0.020	0.0416	
2160 minute summer	S20	2.002	S8	1.8	0.446	0.025	0.1391	



Results for 30 year 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 100.00%

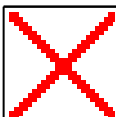
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	S1	1140	1.718	0.053	5.6	0.0930	0.0000	OK
2160 minute winter	S2	1140	1.608	0.056	6.4	0.0996	0.0000	OK
2160 minute winter	S3	1140	1.528	0.059	7.1	0.1037	0.0000	OK
2160 minute winter	S4	1140	1.466	0.066	9.0	0.1165	0.0000	OK
2160 minute winter	S5	1140	1.371	0.073	11.1	0.1281	0.0000	OK
2160 minute winter	S6	1140	1.284	0.094	18.8	0.1669	0.0000	OK
2160 minute winter	S8	1140	1.354	0.053	5.6	0.0929	0.0000	OK
2160 minute winter	S9	1140	1.286	0.084	5.6	0.1486	0.0000	OK
2160 minute winter	S3 [CP]	1140	1.200	0.092	18.8	0.1323	0.0000	OK
2160 minute winter	HW1							
2160 minute winter	S4 [control]	1680	1.168	0.428	5.0	0.7571	0.0000	OK
2160 minute winter	HW3	1260	0.763	0.047	5.0	0.0000	0.0000	OK
2160 minute winter	HW2							
2160 minute winter	Pond	1680	1.169	0.389	21.8	722.8271	0.0000	OK
2160 minute winter	S10	1140	1.699	0.023	0.8	0.0405	0.0000	OK
2160 minute winter	S12	1140	1.440	0.028	1.2	0.0486	0.0000	OK
2160 minute winter	S11	1020	1.651	0.017	0.4	0.0296	0.0000	OK
2160 minute winter	S13	1080	1.653	0.023	0.8	0.0405	0.0000	OK
2160 minute winter	S15	1140	1.405	0.039	2.4	0.0695	0.0000	OK
2160 minute winter	S14	1020	1.605	0.017	0.4	0.0295	0.0000	OK
2160 minute winter	S16	1140	1.380	0.038	2.4	0.0672	0.0000	OK
2160 minute winter	S17	1140	1.310	0.044	3.0	0.0770	0.0000	OK
2160 minute winter	HW4							
2160 minute winter	S1 [CP]	1140	1.642	0.029	1.4	0.0415	0.0000	OK
2160 minute winter	S2 [CP]	1140	1.372	0.033	1.8	0.0479	0.0000	OK
2160 minute winter	S2a [CP]	1140	1.299	0.031	2.1	0.0443	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	S1	1.000	S2	5.6	0.444	0.016	0.5714	
2160 minute winter	S2	1.001	S3	6.4	0.468	0.019	0.4523	
2160 minute winter	S3	1.002	S4	7.1	0.461	0.021	0.4226	
2160 minute winter	S4	1.003	S5	9.0	0.501	0.026	0.7364	
2160 minute winter	S5	1.004	S6	11.1	0.469	0.032	1.0238	
2160 minute winter	S6	1.005	S3 [CP]	18.8	0.675	0.052	0.8211	
2160 minute winter	S8	2.003	S9	5.6	0.318	0.016	0.7072	
2160 minute winter	S9	2.004	S6	5.6	0.215	0.016	0.1237	
2160 minute winter	S3 [CP]	1.006	Pond	18.8	0.724	0.052	0.2622	
2160 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	519.6
2160 minute winter	Pond	1.009	S4 [control]	5.0	0.102	0.033	2.6377	
2160 minute winter	S10	4.000	S12	0.8	0.360	0.011	0.0610	
2160 minute winter	S12	4.001	S15	1.2	0.228	0.007	0.0969	
2160 minute winter	S11	5.000	S12	0.4	0.289	0.006	0.0243	
2160 minute winter	S13	6.000	S15	0.8	0.360	0.011	0.0610	
2160 minute winter	S15	4.002	S16	2.4	0.367	0.015	0.0621	
2160 minute winter	S14	7.000	S15	0.4	0.290	0.006	0.0240	
2160 minute winter	S16	4.003	S17	2.4	0.339	0.015	0.2165	
2160 minute winter	S17	4.004	Pond	3.0	0.440	0.019	0.1811	
2160 minute winter	S1 [CP]	3.000	S2 [CP]	1.4	0.362	0.020	0.2566	
2160 minute winter	S2 [CP]	3.001	S2a [CP]	1.8	0.446	0.025	0.0694	
2160 minute winter	S2a [CP]	3.002	S6	2.1	0.197	0.023	0.1258	



Results for 30 year 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	S18	1140	1.941	0.026	1.1	0.0294	0.0000	OK
2160 minute winter	S19	1140	1.618	0.026	1.1	0.0293	0.0000	OK
2160 minute winter	S20	1140	1.577	0.030	1.4	0.0334	0.0000	OK

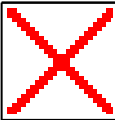
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	S18	2.000	S19	1.1	0.376	0.015	0.2289	
2160 minute winter	S19	2.001	S20	1.1	0.340	0.015	0.0350	
2160 minute winter	S20	2.002	S8	1.4	0.413	0.020	0.1169	



Results for 30 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S1	1500	1.719	0.054	6.0	0.0960	0.0000	OK
2880 minute summer	S2	1500	1.610	0.058	6.8	0.1024	0.0000	OK
2880 minute summer	S3	1500	1.530	0.061	7.6	0.1071	0.0000	OK
2880 minute summer	S4	1500	1.468	0.068	9.7	0.1206	0.0000	OK
2880 minute summer	S5	1500	1.373	0.075	11.9	0.1324	0.0000	OK
2880 minute summer	S6	1500	1.288	0.098	20.3	0.1735	0.0000	OK
2880 minute summer	S8	1500	1.355	0.054	6.0	0.0959	0.0000	OK
2880 minute summer	S9	1500	1.290	0.088	6.0	0.1552	0.0000	OK
2880 minute summer	S3 [CP]	1500	1.204	0.096	20.3	0.1373	0.0000	OK
2880 minute summer	HW1							
2880 minute summer	S4 [control]	1980	1.114	0.374	5.2	0.6605	0.0000	OK
2880 minute summer	HW3	2460	0.763	0.047	5.0	0.0000	0.0000	OK
2880 minute summer	HW2							
2880 minute summer	Pond	1980	1.114	0.334	23.6	613.3683	0.0000	OK
2880 minute summer	S10	1500	1.699	0.023	0.8	0.0405	0.0000	OK
2880 minute summer	S12	1500	1.441	0.029	1.3	0.0506	0.0000	OK
2880 minute summer	S11	1500	1.653	0.019	0.5	0.0329	0.0000	OK
2880 minute summer	S13	1500	1.654	0.024	0.9	0.0427	0.0000	OK
2880 minute summer	S15	1500	1.408	0.042	2.7	0.0736	0.0000	OK
2880 minute summer	S14	1500	1.607	0.019	0.5	0.0328	0.0000	OK
2880 minute summer	S16	1500	1.382	0.040	2.7	0.0710	0.0000	OK
2880 minute summer	S17	1500	1.311	0.045	3.3	0.0804	0.0000	OK
2880 minute summer	HW4							
2880 minute summer	S1 [CP]	1500	1.643	0.030	1.5	0.0429	0.0000	OK
2880 minute summer	S2 [CP]	1500	1.374	0.035	2.0	0.0503	0.0000	OK
2880 minute summer	S2a [CP]	1500	1.301	0.033	2.4	0.0473	0.0000	OK

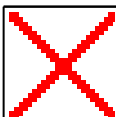
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S1	1.000	S2	6.0	0.455	0.018	0.5982	
2880 minute summer	S2	1.001	S3	6.8	0.475	0.020	0.4733	
2880 minute summer	S3	1.002	S4	7.6	0.471	0.022	0.4445	
2880 minute summer	S4	1.003	S5	9.7	0.513	0.028	0.7744	
2880 minute summer	S5	1.004	S6	11.9	0.477	0.035	1.0797	
2880 minute summer	S6	1.005	S3 [CP]	20.3	0.689	0.056	0.8682	
2880 minute summer	S8	2.003	S9	6.0	0.322	0.017	0.7496	
2880 minute summer	S9	2.004	S6	6.0	0.217	0.017	0.1313	
2880 minute summer	S3 [CP]	1.006	Pond	20.3	0.742	0.056	0.2770	
2880 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	642.3
2880 minute summer	Pond	1.009	S4 [control]	5.2	0.103	0.034	2.3368	
2880 minute summer	S10	4.000	S12	0.8	0.360	0.011	0.0610	
2880 minute summer	S12	4.001	S15	1.3	0.229	0.008	0.1045	
2880 minute summer	S11	5.000	S12	0.5	0.312	0.007	0.0282	
2880 minute summer	S13	6.000	S15	0.9	0.370	0.013	0.0668	
2880 minute summer	S15	4.002	S16	2.7	0.380	0.017	0.0676	
2880 minute summer	S14	7.000	S15	0.5	0.313	0.007	0.0278	
2880 minute summer	S16	4.003	S17	2.7	0.354	0.017	0.2325	
2880 minute summer	S17	4.004	Pond	3.3	0.447	0.021	0.1950	
2880 minute summer	S1 [CP]	3.000	S2 [CP]	1.5	0.366	0.021	0.2731	
2880 minute summer	S2 [CP]	3.001	S2a [CP]	2.0	0.455	0.028	0.0754	
2880 minute summer	S2a [CP]	3.002	S6	2.4	0.211	0.026	0.1336	



Results for 30 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 100.00%

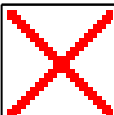
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S18	1500	1.941	0.026	1.1	0.0294	0.0000	OK
2880 minute summer	S19	1500	1.618	0.026	1.1	0.0293	0.0000	OK
2880 minute summer	S20	1500	1.578	0.031	1.5	0.0345	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S18	2.000	S19	1.1	0.376	0.015	0.2289	
2880 minute summer	S19	2.001	S20	1.1	0.331	0.015	0.0360	
2880 minute summer	S20	2.002	S8	1.5	0.422	0.021	0.1226	



Results for 30 year 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 100.00%

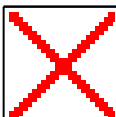
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S1	1500	1.712	0.047	4.5	0.0839	0.0000	OK
2880 minute winter	S2	1500	1.602	0.050	5.1	0.0891	0.0000	OK
2880 minute winter	S3	1500	1.522	0.053	5.7	0.0936	0.0000	OK
2880 minute winter	S4	1500	1.459	0.059	7.2	0.1046	0.0000	OK
2880 minute winter	S5	1500	1.363	0.065	8.9	0.1156	0.0000	OK
2880 minute winter	S6	1500	1.275	0.085	15.2	0.1500	0.0000	OK
2880 minute winter	S8	1500	1.348	0.047	4.5	0.0838	0.0000	OK
2880 minute winter	S9	1500	1.276	0.074	4.5	0.1316	0.0000	OK
2880 minute winter	S3 [CP]	1500	1.191	0.083	15.2	0.1194	0.0000	OK
2880 minute winter	HW1							
2880 minute winter	S4 [control]	2160	1.152	0.412	5.0	0.7281	0.0000	OK
2880 minute winter	HW3	1680	0.763	0.047	5.0	0.0000	0.0000	OK
2880 minute winter	HW2							
2880 minute winter	Pond	2160	1.152	0.372	17.8	689.6913	0.0000	OK
2880 minute winter	S10	1380	1.696	0.020	0.6	0.0357	0.0000	OK
2880 minute winter	S12	1500	1.437	0.025	1.0	0.0446	0.0000	OK
2880 minute winter	S11	1500	1.651	0.017	0.4	0.0296	0.0000	OK
2880 minute winter	S13	1500	1.652	0.022	0.7	0.0382	0.0000	OK
2880 minute winter	S15	1500	1.403	0.037	2.1	0.0651	0.0000	OK
2880 minute winter	S14	1500	1.605	0.017	0.4	0.0295	0.0000	OK
2880 minute winter	S16	1500	1.378	0.036	2.1	0.0631	0.0000	OK
2880 minute winter	S17	1500	1.307	0.041	2.6	0.0722	0.0000	OK
2880 minute winter	HW4							
2880 minute winter	S1 [CP]	1440	1.639	0.026	1.1	0.0371	0.0000	OK
2880 minute winter	S2 [CP]	1500	1.370	0.031	1.5	0.0438	0.0000	OK
2880 minute winter	S2a [CP]	1500	1.297	0.029	1.8	0.0412	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S1	1.000	S2	4.5	0.417	0.013	0.4884	
2880 minute winter	S2	1.001	S3	5.1	0.438	0.015	0.3854	
2880 minute winter	S3	1.002	S4	5.7	0.433	0.017	0.3618	
2880 minute winter	S4	1.003	S5	7.2	0.468	0.021	0.6308	
2880 minute winter	S5	1.004	S6	8.9	0.438	0.026	0.8773	
2880 minute winter	S6	1.005	S3 [CP]	15.2	0.634	0.042	0.7059	
2880 minute winter	S8	2.003	S9	4.5	0.302	0.013	0.5977	
2880 minute winter	S9	2.004	S6	4.5	0.204	0.013	0.1049	
2880 minute winter	S3 [CP]	1.006	Pond	15.2	0.681	0.042	0.2257	
2880 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	673.0
2880 minute winter	Pond	1.009	S4 [control]	5.0	0.102	0.033	2.5593	
2880 minute winter	S10	4.000	S12	0.6	0.332	0.008	0.0498	
2880 minute winter	S12	4.001	S15	1.0	0.213	0.006	0.0872	
2880 minute winter	S11	5.000	S12	0.4	0.289	0.006	0.0243	
2880 minute winter	S13	6.000	S15	0.7	0.349	0.010	0.0555	
2880 minute winter	S15	4.002	S16	2.1	0.353	0.013	0.0567	
2880 minute winter	S14	7.000	S15	0.4	0.290	0.006	0.0240	
2880 minute winter	S16	4.003	S17	2.1	0.326	0.013	0.1970	
2880 minute winter	S17	4.004	Pond	2.6	0.424	0.016	0.1620	
2880 minute winter	S1 [CP]	3.000	S2 [CP]	1.1	0.339	0.015	0.2215	
2880 minute winter	S2 [CP]	3.001	S2a [CP]	1.5	0.418	0.021	0.0616	
2880 minute winter	S2a [CP]	3.002	S6	1.8	0.194	0.019	0.1092	



Results for 30 year 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S18	1380	1.937	0.022	0.8	0.0254	0.0000	OK
2880 minute winter	S19	1380	1.614	0.022	0.8	0.0252	0.0000	OK
2880 minute winter	S20	1440	1.573	0.026	1.1	0.0299	0.0000	OK

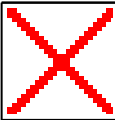
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S18	2.000	S19	0.8	0.339	0.011	0.1842	
2880 minute winter	S19	2.001	S20	0.8	0.309	0.011	0.0290	
2880 minute winter	S20	2.002	S8	1.1	0.388	0.015	0.0978	



Results for 30 year 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S1	2940	1.708	0.043	3.6	0.0758	0.0000	OK
5760 minute summer	S2	2940	1.597	0.045	4.1	0.0802	0.0000	OK
5760 minute summer	S3	2940	1.517	0.048	4.6	0.0846	0.0000	OK
5760 minute summer	S4	2940	1.454	0.054	5.8	0.0946	0.0000	OK
5760 minute summer	S5	2940	1.357	0.059	7.1	0.1037	0.0000	OK
5760 minute summer	S6	2940	1.266	0.076	12.1	0.1341	0.0000	OK
5760 minute summer	S8	2940	1.344	0.043	3.6	0.0757	0.0000	OK
5760 minute summer	S9	2940	1.267	0.065	3.6	0.1156	0.0000	OK
5760 minute summer	S3 [CP]	2940	1.182	0.074	12.1	0.1065	0.0000	OK
5760 minute summer	HW1							
5760 minute summer	S4 [control]	3600	1.062	0.322	5.0	0.5689	0.0000	OK
5760 minute summer	HW3	3600	0.763	0.047	5.0	0.0000	0.0000	OK
5760 minute summer	HW2							
5760 minute summer	Pond	3600	1.062	0.282	14.1	511.9306	0.0000	OK
5760 minute summer	S10	2880	1.695	0.019	0.5	0.0328	0.0000	OK
5760 minute summer	S12	2880	1.435	0.023	0.8	0.0402	0.0000	OK
5760 minute summer	S11	2880	1.649	0.015	0.3	0.0260	0.0000	OK
5760 minute summer	S13	2880	1.649	0.019	0.5	0.0328	0.0000	OK
5760 minute summer	S15	2880	1.398	0.032	1.6	0.0573	0.0000	OK
5760 minute summer	S14	2880	1.603	0.015	0.3	0.0259	0.0000	OK
5760 minute summer	S16	2880	1.374	0.032	1.6	0.0558	0.0000	OK
5760 minute summer	S17	2880	1.302	0.036	2.0	0.0643	0.0000	OK
5760 minute summer	HW4							
5760 minute summer	S1 [CP]	2940	1.637	0.024	0.9	0.0338	0.0000	OK
5760 minute summer	S2 [CP]	2940	1.367	0.028	1.2	0.0395	0.0000	OK
5760 minute summer	S2a [CP]	2940	1.294	0.026	1.4	0.0366	0.0000	OK

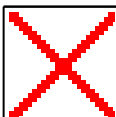
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S1	1.000	S2	3.6	0.390	0.011	0.4188	
5760 minute summer	S2	1.001	S3	4.1	0.408	0.012	0.3319	
5760 minute summer	S3	1.002	S4	4.6	0.406	0.013	0.3115	
5760 minute summer	S4	1.003	S5	5.8	0.440	0.017	0.5400	
5760 minute summer	S5	1.004	S6	7.1	0.412	0.021	0.7465	
5760 minute summer	S6	1.005	S3 [CP]	12.1	0.596	0.033	0.5983	
5760 minute summer	S8	2.003	S9	3.6	0.289	0.010	0.4994	
5760 minute summer	S9	2.004	S6	3.6	0.194	0.010	0.0878	
5760 minute summer	S3 [CP]	1.006	Pond	12.1	0.647	0.034	0.1891	
5760 minute summer	S4 [control]	1.010	HW3	5.0	0.508	0.033	0.1044	1101.4
5760 minute summer	Pond	1.009	S4 [control]	5.0	0.102	0.032	1.9782	
5760 minute summer	S10	4.000	S12	0.5	0.313	0.007	0.0440	
5760 minute summer	S12	4.001	S15	0.8	0.203	0.005	0.0729	
5760 minute summer	S11	5.000	S12	0.3	0.268	0.004	0.0200	
5760 minute summer	S13	6.000	S15	0.5	0.313	0.007	0.0440	
5760 minute summer	S15	4.002	S16	1.6	0.325	0.010	0.0469	
5760 minute summer	S14	7.000	S15	0.3	0.268	0.004	0.0197	
5760 minute summer	S16	4.003	S17	1.6	0.296	0.010	0.1650	
5760 minute summer	S17	4.004	Pond	2.0	0.396	0.012	0.1335	
5760 minute summer	S1 [CP]	3.000	S2 [CP]	0.9	0.313	0.013	0.1912	
5760 minute summer	S2 [CP]	3.001	S2a [CP]	1.2	0.395	0.017	0.0522	
5760 minute summer	S2a [CP]	3.002	S6	1.4	0.178	0.015	0.0930	



Results for 30 year 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S18	2940	1.936	0.021	0.7	0.0239	0.0000	OK
5760 minute summer	S19	2940	1.613	0.021	0.7	0.0238	0.0000	OK
5760 minute summer	S20	2940	1.571	0.024	0.9	0.0274	0.0000	OK

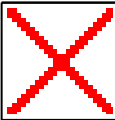
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S18	2.000	S19	0.7	0.326	0.010	0.1679	
5760 minute summer	S19	2.001	S20	0.7	0.292	0.010	0.0259	
5760 minute summer	S20	2.002	S8	0.9	0.370	0.013	0.0838	



Results for 30 year 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S1	2880	1.702	0.037	2.6	0.0652	0.0000	OK
5760 minute winter	S2	2880	1.592	0.040	3.0	0.0698	0.0000	OK
5760 minute winter	S3	2880	1.510	0.041	3.3	0.0728	0.0000	OK
5760 minute winter	S4	2880	1.446	0.046	4.2	0.0813	0.0000	OK
5760 minute winter	S5	2940	1.349	0.051	5.2	0.0897	0.0000	OK
5760 minute winter	S6	2940	1.255	0.065	8.9	0.1156	0.0000	OK
5760 minute winter	S8	2940	1.339	0.038	2.7	0.0663	0.0000	OK
5760 minute winter	S9	2940	1.257	0.055	2.7	0.0971	0.0000	OK
5760 minute winter	S3 [CP]	2940	1.172	0.064	8.9	0.0922	0.0000	OK
5760 minute winter	HW1							
5760 minute winter	S4 [control]	3900	1.071	0.331	5.0	0.5844	0.0000	OK
5760 minute winter	HW3	3900	0.763	0.047	5.0	0.0000	0.0000	OK
5760 minute winter	HW2							
5760 minute winter	Pond	3900	1.071	0.291	10.4	528.9308	0.0000	OK
5760 minute winter	S10	2820	1.693	0.017	0.4	0.0295	0.0000	OK
5760 minute winter	S12	2820	1.432	0.020	0.6	0.0354	0.0000	OK
5760 minute winter	S11	2400	1.646	0.012	0.2	0.0221	0.0000	OK
5760 minute winter	S13	2760	1.647	0.017	0.4	0.0295	0.0000	OK
5760 minute winter	S15	2820	1.394	0.028	1.2	0.0500	0.0000	OK
5760 minute winter	S14	2460	1.600	0.012	0.2	0.0220	0.0000	OK
5760 minute winter	S16	2820	1.370	0.028	1.2	0.0488	0.0000	OK
5760 minute winter	S17	2820	1.298	0.032	1.5	0.0568	0.0000	OK
5760 minute winter	HW4							
5760 minute winter	S1 [CP]	2640	1.633	0.020	0.6	0.0281	0.0000	OK
5760 minute winter	S2 [CP]	2640	1.362	0.023	0.8	0.0327	0.0000	OK
5760 minute winter	S2a [CP]	2820	1.290	0.022	1.0	0.0313	0.0000	OK

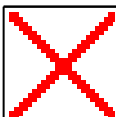
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S1	1.000	S2	2.6	0.351	0.008	0.3358	
5760 minute winter	S2	1.001	S3	3.0	0.374	0.009	0.2655	
5760 minute winter	S3	1.002	S4	3.3	0.364	0.010	0.2489	
5760 minute winter	S4	1.003	S5	4.2	0.399	0.012	0.4338	
5760 minute winter	S5	1.004	S6	5.2	0.374	0.015	0.5993	
5760 minute winter	S6	1.005	S3 [CP]	8.9	0.545	0.025	0.4811	
5760 minute winter	S8	2.003	S9	2.7	0.275	0.008	0.3944	
5760 minute winter	S9	2.004	S6	2.7	0.188	0.008	0.0693	
5760 minute winter	S3 [CP]	1.006	Pond	8.9	0.592	0.025	0.1520	
5760 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1045	1220.3
5760 minute winter	Pond	1.009	S4 [control]	5.0	0.102	0.032	2.0421	
5760 minute winter	S10	4.000	S12	0.4	0.290	0.006	0.0379	
5760 minute winter	S12	4.001	S15	0.6	0.184	0.004	0.0593	
5760 minute winter	S11	5.000	S12	0.2	0.267	0.003	0.0133	
5760 minute winter	S13	6.000	S15	0.4	0.290	0.006	0.0379	
5760 minute winter	S15	4.002	S16	1.2	0.298	0.007	0.0383	
5760 minute winter	S14	7.000	S15	0.2	0.268	0.003	0.0131	
5760 minute winter	S16	4.003	S17	1.2	0.271	0.007	0.1361	
5760 minute winter	S17	4.004	Pond	1.5	0.363	0.009	0.1099	
5760 minute winter	S1 [CP]	3.000	S2 [CP]	0.6	0.277	0.008	0.1447	
5760 minute winter	S2 [CP]	3.001	S2a [CP]	0.8	0.351	0.011	0.0403	
5760 minute winter	S2a [CP]	3.002	S6	1.0	0.162	0.011	0.0751	



Results for 30 year 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S18	2700	1.933	0.018	0.5	0.0204	0.0000	OK
5760 minute winter	S19	2700	1.610	0.018	0.5	0.0203	0.0000	OK
5760 minute winter	S20	2760	1.569	0.022	0.7	0.0245	0.0000	OK

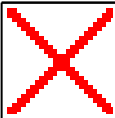
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S18	2.000	S19	0.5	0.294	0.007	0.1330	
5760 minute winter	S19	2.001	S20	0.5	0.270	0.007	0.0213	
5760 minute winter	S20	2.002	S8	0.7	0.349	0.010	0.0696	



Results for 30 year 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	S1	3660	1.705	0.040	3.0	0.0699	0.0000	OK
7200 minute summer	S2	3660	1.594	0.042	3.4	0.0738	0.0000	OK
7200 minute summer	S3	3660	1.513	0.044	3.8	0.0775	0.0000	OK
7200 minute summer	S4	3660	1.449	0.049	4.8	0.0865	0.0000	OK
7200 minute summer	S5	3660	1.352	0.054	5.9	0.0951	0.0000	OK
7200 minute summer	S6	3660	1.260	0.070	10.1	0.1229	0.0000	OK
7200 minute summer	S8	3660	1.341	0.040	3.1	0.0708	0.0000	OK
7200 minute summer	S9	3660	1.261	0.059	3.1	0.1045	0.0000	OK
7200 minute summer	S3 [CP]	3660	1.176	0.068	10.1	0.0978	0.0000	OK
7200 minute summer	HW1							
7200 minute summer	S4 [control]	4380	1.034	0.294	4.9	0.5203	0.0000	OK
7200 minute summer	HW3	4380	0.762	0.046	4.9	0.0000	0.0000	OK
7200 minute summer	HW2							
7200 minute summer	Pond	4380	1.034	0.254	11.6	459.0160	0.0000	OK
7200 minute summer	S10	3540	1.693	0.017	0.4	0.0295	0.0000	OK
7200 minute summer	S12	3540	1.432	0.020	0.6	0.0354	0.0000	OK
7200 minute summer	S11	3300	1.646	0.012	0.2	0.0221	0.0000	OK
7200 minute summer	S13	3480	1.647	0.017	0.4	0.0295	0.0000	OK
7200 minute summer	S15	3540	1.394	0.028	1.2	0.0500	0.0000	OK
7200 minute summer	S14	3300	1.600	0.012	0.2	0.0220	0.0000	OK
7200 minute summer	S16	3540	1.370	0.028	1.2	0.0488	0.0000	OK
7200 minute summer	S17	3540	1.298	0.032	1.5	0.0568	0.0000	OK
7200 minute summer	HW4							
7200 minute summer	S1 [CP]	3600	1.634	0.021	0.7	0.0301	0.0000	OK
7200 minute summer	S2 [CP]	3600	1.363	0.024	0.9	0.0344	0.0000	OK
7200 minute summer	S2a [CP]	3600	1.291	0.023	1.1	0.0327	0.0000	OK

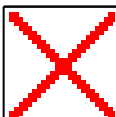
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	S1	1.000	S2	3.0	0.369	0.009	0.3683	
7200 minute summer	S2	1.001	S3	3.4	0.386	0.010	0.2913	
7200 minute summer	S3	1.002	S4	3.8	0.381	0.011	0.2735	
7200 minute summer	S4	1.003	S5	4.8	0.415	0.014	0.4741	
7200 minute summer	S5	1.004	S6	5.9	0.389	0.017	0.6556	
7200 minute summer	S6	1.005	S3 [CP]	10.1	0.565	0.028	0.5262	
7200 minute summer	S8	2.003	S9	3.1	0.282	0.009	0.4379	
7200 minute summer	S9	2.004	S6	3.1	0.192	0.009	0.0766	
7200 minute summer	S3 [CP]	1.006	Pond	10.1	0.617	0.028	0.1659	
7200 minute summer	S4 [control]	1.010	HW3	4.9	0.508	0.032	0.1040	1190.5
7200 minute summer	Pond	1.009	S4 [control]	4.9	0.102	0.032	1.7716	
7200 minute summer	S10	4.000	S12	0.4	0.290	0.006	0.0379	
7200 minute summer	S12	4.001	S15	0.6	0.184	0.004	0.0593	
7200 minute summer	S11	5.000	S12	0.2	0.267	0.003	0.0133	
7200 minute summer	S13	6.000	S15	0.4	0.290	0.006	0.0379	
7200 minute summer	S15	4.002	S16	1.2	0.298	0.007	0.0383	
7200 minute summer	S14	7.000	S15	0.2	0.268	0.003	0.0131	
7200 minute summer	S16	4.003	S17	1.2	0.271	0.007	0.1361	
7200 minute summer	S17	4.004	Pond	1.5	0.363	0.009	0.1099	
7200 minute summer	S1 [CP]	3.000	S2 [CP]	0.7	0.294	0.010	0.1581	
7200 minute summer	S2 [CP]	3.001	S2a [CP]	0.9	0.356	0.013	0.0434	
7200 minute summer	S2a [CP]	3.002	S6	1.1	0.165	0.012	0.0816	



Results for 30 year 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance: 100.00%

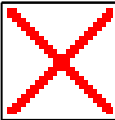
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	S18	3660	1.935	0.020	0.6	0.0223	0.0000	OK
7200 minute summer	S19	3660	1.612	0.020	0.6	0.0222	0.0000	OK
7200 minute summer	S20	3660	1.570	0.023	0.8	0.0260	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	S18	2.000	S19	0.6	0.311	0.008	0.1508	
7200 minute summer	S19	2.001	S20	0.6	0.275	0.008	0.0236	
7200 minute summer	S20	2.002	S8	0.8	0.360	0.011	0.0766	



Results for 30 year 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 100.00%

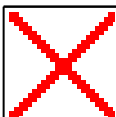
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	S1	3600	1.699	0.034	2.2	0.0602	0.0000	OK
7200 minute winter	S2	3600	1.588	0.036	2.5	0.0639	0.0000	OK
7200 minute winter	S3	3600	1.507	0.038	2.8	0.0675	0.0000	OK
7200 minute winter	S4	3660	1.443	0.043	3.6	0.0758	0.0000	OK
7200 minute winter	S5	3660	1.345	0.047	4.4	0.0829	0.0000	OK
7200 minute winter	S6	3660	1.250	0.060	7.4	0.1054	0.0000	OK
7200 minute winter	S8	3660	1.335	0.034	2.2	0.0601	0.0000	OK
7200 minute winter	S9	3660	1.251	0.049	2.2	0.0868	0.0000	OK
7200 minute winter	S3 [CP]	3660	1.167	0.059	7.4	0.0847	0.0000	OK
7200 minute winter	HW1							
7200 minute winter	S4 [control]	4680	1.033	0.293	4.9	0.5176	0.0000	OK
7200 minute winter	HW3	4680	0.762	0.046	4.9	0.0000	0.0000	OK
7200 minute winter	HW2							
7200 minute winter	Pond	4680	1.033	0.253	8.6	456.1006	0.0000	OK
7200 minute winter	S10	3180	1.691	0.015	0.3	0.0259	0.0000	OK
7200 minute winter	S12	3240	1.430	0.018	0.5	0.0326	0.0000	OK
7200 minute winter	S11	3240	1.646	0.012	0.2	0.0221	0.0000	OK
7200 minute winter	S13	3120	1.645	0.015	0.3	0.0259	0.0000	OK
7200 minute winter	S15	3300	1.392	0.026	1.0	0.0457	0.0000	OK
7200 minute winter	S14	3300	1.600	0.012	0.2	0.0220	0.0000	OK
7200 minute winter	S16	3300	1.367	0.025	1.0	0.0447	0.0000	OK
7200 minute winter	S17	3300	1.295	0.029	1.2	0.0515	0.0000	OK
7200 minute winter	HW4							
7200 minute winter	S1 [CP]	3240	1.631	0.018	0.5	0.0257	0.0000	OK
7200 minute winter	S2 [CP]	3300	1.361	0.022	0.7	0.0308	0.0000	OK
7200 minute winter	S2a [CP]	3300	1.288	0.020	0.8	0.0284	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	S1	1.000	S2	2.2	0.335	0.006	0.2977	
7200 minute winter	S2	1.001	S3	2.5	0.351	0.007	0.2357	
7200 minute winter	S3	1.002	S4	2.8	0.350	0.008	0.2231	
7200 minute winter	S4	1.003	S5	3.6	0.380	0.011	0.3885	
7200 minute winter	S5	1.004	S6	4.4	0.361	0.013	0.5289	
7200 minute winter	S6	1.005	S3 [CP]	7.4	0.515	0.020	0.4234	
7200 minute winter	S8	2.003	S9	2.2	0.261	0.006	0.3374	
7200 minute winter	S9	2.004	S6	2.2	0.175	0.006	0.0599	
7200 minute winter	S3 [CP]	1.006	Pond	7.4	0.556	0.021	0.1345	
7200 minute winter	S4 [control]	1.010	HW3	4.9	0.508	0.032	0.1040	1360.2
7200 minute winter	Pond	1.009	S4 [control]	4.9	0.102	0.032	1.7599	
7200 minute winter	S10	4.000	S12	0.3	0.268	0.004	0.0311	
7200 minute winter	S12	4.001	S15	0.5	0.184	0.003	0.0522	
7200 minute winter	S11	5.000	S12	0.2	0.267	0.003	0.0133	
7200 minute winter	S13	6.000	S15	0.3	0.268	0.004	0.0311	
7200 minute winter	S15	4.002	S16	1.0	0.282	0.006	0.0337	
7200 minute winter	S14	7.000	S15	0.2	0.268	0.003	0.0131	
7200 minute winter	S16	4.003	S17	1.0	0.258	0.006	0.1184	
7200 minute winter	S17	4.004	Pond	1.2	0.334	0.007	0.0947	
7200 minute winter	S1 [CP]	3.000	S2 [CP]	0.5	0.271	0.007	0.1300	
7200 minute winter	S2 [CP]	3.001	S2a [CP]	0.7	0.335	0.010	0.0358	
7200 minute winter	S2a [CP]	3.002	S6	0.8	0.153	0.009	0.0655	



Results for 30 year 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 100.00%

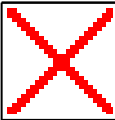
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	S18	3240	1.931	0.016	0.4	0.0184	0.0000	OK
7200 minute winter	S19	3240	1.608	0.016	0.4	0.0183	0.0000	OK
7200 minute winter	S20	3240	1.566	0.019	0.5	0.0210	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	S18	2.000	S19	0.4	0.274	0.006	0.1139	
7200 minute winter	S19	2.001	S20	0.4	0.247	0.006	0.0175	
7200 minute winter	S20	2.002	S8	0.5	0.312	0.007	0.0552	



Results for 30 year 10080 minute summer. 10320 minute analysis at 60 minute timestep. Mass balance: 100.00%

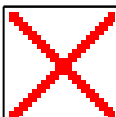
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	S1	5040	1.700	0.035	2.3	0.0615	0.0000	OK
10080 minute summer	S2	5040	1.589	0.037	2.6	0.0651	0.0000	OK
10080 minute summer	S3	5040	1.508	0.039	2.9	0.0686	0.0000	OK
10080 minute summer	S4	5040	1.443	0.043	3.7	0.0767	0.0000	OK
10080 minute summer	S5	5100	1.346	0.048	4.6	0.0846	0.0000	OK
10080 minute summer	S6	5100	1.251	0.061	7.8	0.1082	0.0000	OK
10080 minute summer	S8	5100	1.336	0.035	2.3	0.0614	0.0000	OK
10080 minute summer	S9	5100	1.253	0.051	2.3	0.0896	0.0000	OK
10080 minute summer	S3 [CP]	5100	1.169	0.061	7.8	0.0868	0.0000	OK
10080 minute summer	HW1							
10080 minute summer	S4 [control]	5880	0.992	0.252	4.8	0.4452	0.0000	OK
10080 minute summer	HW3	5880	0.762	0.046	4.8	0.0000	0.0000	OK
10080 minute summer	HW2							
10080 minute summer	Pond	5880	0.992	0.212	9.0	378.6445	0.0000	OK
10080 minute summer	S10	4800	1.691	0.015	0.3	0.0259	0.0000	OK
10080 minute summer	S12	4860	1.430	0.018	0.5	0.0326	0.0000	OK
10080 minute summer	S11	4860	1.646	0.012	0.2	0.0221	0.0000	OK
10080 minute summer	S13	4740	1.645	0.015	0.3	0.0259	0.0000	OK
10080 minute summer	S15	4860	1.392	0.026	1.0	0.0457	0.0000	OK
10080 minute summer	S14	4860	1.600	0.012	0.2	0.0220	0.0000	OK
10080 minute summer	S16	4860	1.367	0.025	1.0	0.0447	0.0000	OK
10080 minute summer	S17	4860	1.295	0.029	1.2	0.0515	0.0000	OK
10080 minute summer	HW4							
10080 minute summer	S1 [CP]	5040	1.633	0.020	0.6	0.0281	0.0000	OK
10080 minute summer	S2 [CP]	5040	1.362	0.023	0.8	0.0327	0.0000	OK
10080 minute summer	S2a [CP]	5040	1.289	0.021	0.9	0.0299	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	S1	1.000	S2	2.3	0.340	0.007	0.3064	
10080 minute summer	S2	1.001	S3	2.6	0.356	0.008	0.2417	
10080 minute summer	S3	1.002	S4	2.9	0.350	0.008	0.2278	
10080 minute summer	S4	1.003	S5	3.7	0.383	0.011	0.3984	
10080 minute summer	S5	1.004	S6	4.6	0.364	0.013	0.5477	
10080 minute summer	S6	1.005	S3 [CP]	7.8	0.523	0.022	0.4392	
10080 minute summer	S8	2.003	S9	2.3	0.262	0.007	0.3510	
10080 minute summer	S9	2.004	S6	2.3	0.175	0.007	0.0624	
10080 minute summer	S3 [CP]	1.006	Pond	7.8	0.566	0.022	0.1393	
10080 minute summer	S4 [control]	1.010	HW3	4.8	0.505	0.032	0.1026	1292.4
10080 minute summer	Pond	1.009	S4 [control]	4.8	0.102	0.032	1.4424	
10080 minute summer	S10	4.000	S12	0.3	0.268	0.004	0.0311	
10080 minute summer	S12	4.001	S15	0.5	0.176	0.003	0.0522	
10080 minute summer	S11	5.000	S12	0.2	0.267	0.003	0.0133	
10080 minute summer	S13	6.000	S15	0.3	0.268	0.004	0.0311	
10080 minute summer	S15	4.002	S16	1.0	0.282	0.006	0.0337	
10080 minute summer	S14	7.000	S15	0.2	0.268	0.003	0.0131	
10080 minute summer	S16	4.003	S17	1.0	0.258	0.006	0.1184	
10080 minute summer	S17	4.004	Pond	1.2	0.334	0.007	0.0947	
10080 minute summer	S1 [CP]	3.000	S2 [CP]	0.6	0.275	0.008	0.1447	
10080 minute summer	S2 [CP]	3.001	S2a [CP]	0.8	0.351	0.011	0.0391	
10080 minute summer	S2a [CP]	3.002	S6	0.9	0.158	0.010	0.0686	



Results for 30 year 10080 minute summer. 10320 minute analysis at 60 minute timestep. Mass balance: 100.00%

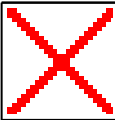
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	S18	4860	1.931	0.016	0.4	0.0184	0.0000	OK
10080 minute summer	S19	4860	1.608	0.016	0.4	0.0183	0.0000	OK
10080 minute summer	S20	4860	1.566	0.019	0.5	0.0210	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	S18	2.000	S19	0.4	0.274	0.006	0.1139	
10080 minute summer	S19	2.001	S20	0.4	0.247	0.006	0.0175	
10080 minute summer	S20	2.002	S8	0.5	0.312	0.007	0.0552	



Results for 30 year 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 100.00%

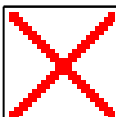
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	S1	4980	1.695	0.030	1.7	0.0534	0.0000	OK
10080 minute winter	S2	4980	1.584	0.032	1.9	0.0561	0.0000	OK
10080 minute winter	S3	4980	1.502	0.033	2.1	0.0588	0.0000	OK
10080 minute winter	S4	4980	1.438	0.038	2.7	0.0664	0.0000	OK
10080 minute winter	S5	4980	1.339	0.041	3.3	0.0728	0.0000	OK
10080 minute winter	S6	5040	1.242	0.052	5.6	0.0924	0.0000	OK
10080 minute winter	S8	5040	1.331	0.030	1.7	0.0533	0.0000	OK
10080 minute winter	S9	5040	1.244	0.042	1.7	0.0739	0.0000	OK
10080 minute winter	S3 [CP]	5040	1.160	0.052	5.6	0.0739	0.0000	OK
10080 minute winter	HW1							
10080 minute winter	S4 [control]	6120	0.970	0.230	4.8	0.4071	0.0000	OK
10080 minute winter	HW3	6120	0.762	0.046	4.8	0.0000	0.0000	OK
10080 minute winter	HW2							
10080 minute winter	Pond	6120	0.971	0.191	6.4	338.4364	0.0000	OK
10080 minute winter	S10	3960	1.688	0.012	0.2	0.0221	0.0000	OK
10080 minute winter	S12	3960	1.427	0.015	0.3	0.0258	0.0000	OK
10080 minute winter	S11	3180	1.644	0.010	0.1	0.0170	0.0000	OK
10080 minute winter	S13	3840	1.642	0.012	0.2	0.0221	0.0000	OK
10080 minute winter	S15	3960	1.386	0.020	0.6	0.0360	0.0000	OK
10080 minute winter	S14	3240	1.598	0.010	0.1	0.0170	0.0000	OK
10080 minute winter	S16	3960	1.362	0.020	0.6	0.0355	0.0000	OK
10080 minute winter	S17	4440	1.290	0.024	0.8	0.0430	0.0000	OK
10080 minute winter	HW4							
10080 minute winter	S1 [CP]	4500	1.629	0.016	0.4	0.0232	0.0000	OK
10080 minute winter	S2 [CP]	4500	1.357	0.018	0.5	0.0262	0.0000	OK
10080 minute winter	S2a [CP]	4500	1.285	0.017	0.6	0.0247	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	S1	1.000	S2	1.7	0.312	0.005	0.2471	
10080 minute winter	S2	1.001	S3	1.9	0.324	0.006	0.1939	
10080 minute winter	S3	1.002	S4	2.1	0.315	0.006	0.1828	
10080 minute winter	S4	1.003	S5	2.7	0.349	0.008	0.3184	
10080 minute winter	S5	1.004	S6	3.3	0.330	0.010	0.4332	
10080 minute winter	S6	1.005	S3 [CP]	5.6	0.477	0.015	0.3458	
10080 minute winter	S8	2.003	S9	1.7	0.249	0.005	0.2708	
10080 minute winter	S9	2.004	S6	1.7	0.167	0.005	0.0481	
10080 minute winter	S3 [CP]	1.006	Pond	5.6	0.526	0.016	0.1076	
10080 minute winter	S4 [control]	1.010	HW3	4.8	0.502	0.031	0.1014	1468.2
10080 minute winter	Pond	1.009	S4 [control]	4.8	0.102	0.031	1.2739	
10080 minute winter	S10	4.000	S12	0.2	0.267	0.003	0.0208	
10080 minute winter	S12	4.001	S15	0.3	0.153	0.002	0.0363	
10080 minute winter	S11	5.000	S12	0.1	0.258	0.001	0.0074	
10080 minute winter	S13	6.000	S15	0.2	0.267	0.003	0.0208	
10080 minute winter	S15	4.002	S16	0.6	0.244	0.004	0.0234	
10080 minute winter	S14	7.000	S15	0.1	0.259	0.001	0.0073	
10080 minute winter	S16	4.003	S17	0.6	0.220	0.004	0.0871	
10080 minute winter	S17	4.004	Pond	0.8	0.301	0.005	0.0720	
10080 minute winter	S1 [CP]	3.000	S2 [CP]	0.4	0.250	0.006	0.1063	
10080 minute winter	S2 [CP]	3.001	S2a [CP]	0.5	0.298	0.007	0.0287	
10080 minute winter	S2a [CP]	3.002	S6	0.6	0.143	0.006	0.0541	



Results for 30 year 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 100.00%

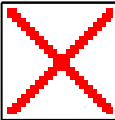
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	S18	4320	1.929	0.014	0.3	0.0161	0.0000	OK
10080 minute winter	S19	4320	1.606	0.014	0.3	0.0160	0.0000	OK
10080 minute winter	S20	4320	1.564	0.017	0.4	0.0189	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	S18	2.000	S19	0.3	0.252	0.004	0.0929	
10080 minute winter	S19	2.001	S20	0.3	0.221	0.004	0.0147	
10080 minute winter	S20	2.002	S8	0.4	0.290	0.006	0.0475	



Results for 100 year +20% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.65%

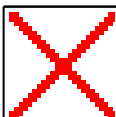
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1	11	2.736	1.071	250.7	1.8925	3.7510	FLOOD
15 minute summer	S2	12	2.672	1.120	256.7	1.9796	0.0000	FLOOD RISK
15 minute summer	S3	11	2.611	1.142	253.7	2.0176	0.0000	FLOOD RISK
15 minute summer	S4	11	2.592	1.192	318.2	2.1062	0.0000	FLOOD RISK
15 minute summer	S5	11	2.458	1.160	411.5	2.0504	0.0000	FLOOD RISK
15 minute summer	S6	11	2.285	1.095	695.2	1.9348	0.0000	SURCHARGED
15 minute summer	S8	11	2.350	1.049	211.9	1.8530	0.0000	SURCHARGED
15 minute summer	S9	11	2.304	1.102	204.4	1.9470	0.0000	SURCHARGED
15 minute summer	S3 [CP]	11	1.824	0.716	699.4	1.0249	0.0000	SURCHARGED
15 minute summer	HW1							
15 minute summer	S4 [control]	32	1.020	0.280	12.7	0.4955	0.0000	OK
15 minute summer	HW3	30	0.762	0.046	4.9	0.0000	0.0000	OK
15 minute summer	HW2							
15 minute summer	Pond	29	1.007	0.227	829.9	406.2786	0.0000	OK
15 minute summer	S10	10	1.831	0.155	35.4	0.2737	0.0000	OK
15 minute summer	S12	11	1.689	0.277	54.3	0.4886	0.0000	OK
15 minute summer	S11	10	1.748	0.114	20.0	0.2021	0.0000	OK
15 minute summer	S13	10	1.788	0.158	36.4	0.2797	0.0000	OK
15 minute summer	S15	11	1.678	0.312	107.2	0.5518	0.0000	OK
15 minute summer	S14	10	1.700	0.112	19.5	0.1986	0.0000	OK
15 minute summer	S16	11	1.636	0.294	106.3	0.5195	0.0000	OK
15 minute summer	S17	11	1.557	0.291	131.0	0.5149	0.0000	OK
15 minute summer	HW4							
15 minute summer	S1 [CP]	11	2.530	0.917	61.0	1.3122	1.2962	FLOOD
15 minute summer	S2 [CP]	11	2.447	1.108	75.4	1.5849	0.0000	FLOOD RISK
15 minute summer	S2a [CP]	11	2.385	1.117	85.4	1.5991	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S1	1.000	S2	223.9	1.088	0.655	12.7625	
15 minute summer	S2	1.001	S3	226.2	1.012	0.659	9.3103	
15 minute summer	S3	1.002	S4	250.0	0.908	0.728	7.7329	
15 minute summer	S4	1.003	S5	324.1	1.151	0.948	11.5375	
15 minute summer	S5	1.004	S6	411.4	1.461	1.199	12.1186	
15 minute summer	S6	1.005	S3 [CP]	699.4	2.483	1.934	8.2974	
15 minute summer	S8	2.003	S9	204.4	0.738	0.596	11.1068	
15 minute summer	S9	2.004	S6	208.6	0.740	0.605	1.3335	
15 minute summer	S3 [CP]	1.006	Pond	701.0	2.492	1.943	2.7616	
15 minute summer	S4 [control]	1.010	HW3	4.9	0.507	0.032	0.1036	70.5
15 minute summer	Pond	1.009	S4 [control]	12.7	0.412	0.083	1.6096	
15 minute summer	S10	4.000	S12	34.7	0.997	0.486	0.9605	
15 minute summer	S12	4.001	S15	53.4	0.500	0.331	2.0023	
15 minute summer	S11	5.000	S12	19.7	0.812	0.278	0.4617	
15 minute summer	S13	6.000	S15	35.7	0.982	0.502	1.0431	
15 minute summer	S15	4.002	S16	106.3	0.942	0.659	1.0802	
15 minute summer	S14	7.000	S15	19.2	0.746	0.270	0.5469	
15 minute summer	S16	4.003	S17	105.6	0.971	0.659	3.3307	
15 minute summer	S17	4.004	Pond	128.9	1.300	0.802	2.6288	
15 minute summer	S1 [CP]	3.000	S2 [CP]	55.9	0.794	0.786	4.6687	
15 minute summer	S2 [CP]	3.001	S2a [CP]	70.5	1.001	0.990	1.2080	
15 minute summer	S2a [CP]	3.002	S6	80.6	1.144	0.864	0.7772	



Results for 100 year +20% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.65%

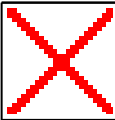
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S18	11	2.600	0.685	47.2	0.7747	0.4592	FLOOD
15 minute summer	S19	11	2.540	0.948	48.2	1.0722	1.0753	FLOOD
15 minute summer	S20	11	2.533	0.986	54.3	1.1157	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S18	2.000	S19	41.6	1.005	0.585	5.5024	
15 minute summer	S19	2.001	S20	49.5	0.706	0.697	0.7610	
15 minute summer	S20	2.002	S8	56.3	0.800	0.792	2.4263	



Results for 100 year +20% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.70%

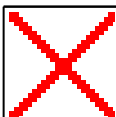
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S1	10	2.736	1.071	263.4	1.8925	9.4162	FLOOD
15 minute winter	S2	11	2.702	1.150	265.9	2.0326	0.0000	FLOOD RISK
15 minute winter	S3	10	2.763	1.294	261.3	2.2870	0.0000	FLOOD RISK
15 minute winter	S4	10	2.674	1.274	365.9	2.2520	0.0000	FLOOD RISK
15 minute winter	S5	11	2.511	1.213	423.9	2.1433	0.0000	FLOOD RISK
15 minute winter	S6	11	2.297	1.107	710.7	1.9561	0.0000	SURCHARGED
15 minute winter	S8	11	2.392	1.091	239.5	1.9273	0.0000	FLOOD RISK
15 minute winter	S9	11	2.320	1.118	238.9	1.9749	0.0000	SURCHARGED
15 minute winter	S3 [CP]	11	1.826	0.718	709.8	1.0270	0.0000	SURCHARGED
15 minute winter	HW1							
15 minute winter	S4 [control]	37	1.044	0.304	13.7	0.5369	0.0000	OK
15 minute winter	HW3	32	0.762	0.046	4.9	0.0000	0.0000	OK
15 minute winter	HW2							
15 minute winter	Pond	29	1.030	0.250	845.4	450.1342	0.0000	OK
15 minute winter	S10	10	1.835	0.159	37.2	0.2816	0.0000	OK
15 minute winter	S12	11	1.699	0.287	56.9	0.5066	0.0000	OK
15 minute winter	S11	10	1.752	0.118	21.0	0.2085	0.0000	OK
15 minute winter	S13	10	1.794	0.164	38.3	0.2896	0.0000	OK
15 minute winter	S15	11	1.688	0.322	111.7	0.5695	0.0000	OK
15 minute winter	S14	11	1.705	0.117	20.5	0.2063	0.0000	OK
15 minute winter	S16	11	1.645	0.303	111.2	0.5357	0.0000	OK
15 minute winter	S17	11	1.565	0.299	136.9	0.5292	0.0000	OK
15 minute winter	HW4							
15 minute winter	S1 [CP]	11	2.530	0.917	64.1	1.3122	2.0938	FLOOD
15 minute winter	S2 [CP]	11	2.430	1.091	78.3	1.5610	0.0000	FLOOD RISK
15 minute winter	S2a [CP]	11	2.377	1.109	81.2	1.5872	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S1	1.000	S2	232.0	1.074	0.678	12.7625	
15 minute winter	S2	1.001	S3	227.4	0.998	0.663	9.3103	
15 minute winter	S3	1.002	S4	275.4	0.978	0.802	7.7329	
15 minute winter	S4	1.003	S5	327.5	1.163	0.958	11.5375	
15 minute winter	S5	1.004	S6	401.1	1.424	1.169	12.1186	
15 minute winter	S6	1.005	S3 [CP]	709.8	2.520	1.963	8.2974	
15 minute winter	S8	2.003	S9	238.9	0.848	0.696	11.1068	
15 minute winter	S9	2.004	S6	238.2	0.846	0.691	1.3335	
15 minute winter	S3 [CP]	1.006	Pond	710.7	2.526	1.970	2.7658	
15 minute winter	S4 [control]	1.010	HW3	4.9	0.508	0.032	0.1042	71.5
15 minute winter	Pond	1.009	S4 [control]	13.7	0.420	0.090	1.7860	
15 minute winter	S10	4.000	S12	36.2	1.010	0.509	0.9928	
15 minute winter	S12	4.001	S15	55.8	0.495	0.346	2.0797	
15 minute winter	S11	5.000	S12	20.6	0.820	0.291	0.4946	
15 minute winter	S13	6.000	S15	37.6	0.975	0.527	1.1002	
15 minute winter	S15	4.002	S16	111.2	0.946	0.689	1.1182	
15 minute winter	S14	7.000	S15	20.1	0.763	0.282	0.5850	
15 minute winter	S16	4.003	S17	110.6	0.980	0.689	3.4430	
15 minute winter	S17	4.004	Pond	134.7	1.317	0.838	2.7096	
15 minute winter	S1 [CP]	3.000	S2 [CP]	57.9	0.822	0.813	4.6687	
15 minute winter	S2 [CP]	3.001	S2a [CP]	65.7	0.932	0.923	1.2080	
15 minute winter	S2a [CP]	3.002	S6	78.8	1.119	0.845	0.7772	



Results for 100 year +20% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.70%

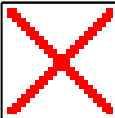
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S18	11	2.600	0.685	49.6	0.7747	0.8645	FLOOD
15 minute winter	S19	11	2.536	0.944	54.1	1.0677	0.0000	FLOOD RISK
15 minute winter	S20	11	2.496	0.949	56.4	1.0731	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S18	2.000	S19	44.7	0.968	0.629	5.5024	
15 minute winter	S19	2.001	S20	46.4	0.743	0.652	0.7610	
15 minute winter	S20	2.002	S8	57.0	0.810	0.802	2.4263	



Results for 100 year +20% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.88%

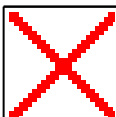
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S1	18	2.734	1.069	225.6	1.8897	0.0000	FLOOD RISK
30 minute summer	S2	19	2.684	1.132	247.0	2.0003	0.0000	FLOOD RISK
30 minute summer	S3	19	2.639	1.170	261.7	2.0671	0.0000	FLOOD RISK
30 minute summer	S4	18	2.588	1.188	328.4	2.0983	0.0000	FLOOD RISK
30 minute summer	S5	18	2.487	1.189	423.2	2.1014	0.0000	FLOOD RISK
30 minute summer	S6	19	2.258	1.068	685.7	1.8870	0.0000	SURCHARGED
30 minute summer	S8	19	2.317	1.016	212.5	1.7947	0.0000	SURCHARGED
30 minute summer	S9	19	2.275	1.073	209.4	1.8955	0.0000	SURCHARGED
30 minute summer	S3 [CP]	19	1.812	0.704	686.6	1.0076	0.0000	SURCHARGED
30 minute summer	HW1							
30 minute summer	S4 [control]	42	1.081	0.341	9.9	0.6029	0.0000	OK
30 minute summer	HW3	45	0.763	0.047	5.0	0.0000	0.0000	OK
30 minute summer	HW2							
30 minute summer	Pond	44	1.078	0.298	807.4	542.1142	0.0000	OK
30 minute summer	S10	18	1.823	0.147	31.9	0.2592	0.0000	OK
30 minute summer	S12	19	1.669	0.257	49.8	0.4543	0.0000	OK
30 minute summer	S11	18	1.742	0.108	18.0	0.1910	0.0000	OK
30 minute summer	S13	18	1.779	0.149	32.8	0.2637	0.0000	OK
30 minute summer	S15	19	1.660	0.294	98.8	0.5187	0.0000	OK
30 minute summer	S14	18	1.694	0.106	17.5	0.1869	0.0000	OK
30 minute summer	S16	19	1.619	0.277	96.9	0.4903	0.0000	OK
30 minute summer	S17	19	1.544	0.278	119.5	0.4905	0.0000	OK
30 minute summer	HW4							
30 minute summer	S1 [CP]	19	2.530	0.917	54.9	1.3122	0.1779	FLOOD
30 minute summer	S2 [CP]	19	2.404	1.065	68.3	1.5233	0.0000	FLOOD RISK
30 minute summer	S2a [CP]	19	2.340	1.072	78.9	1.5337	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S1	1.000	S2	216.1	1.053	0.632	12.7625	
30 minute summer	S2	1.001	S3	232.7	0.968	0.678	9.3103	
30 minute summer	S3	1.002	S4	251.9	0.895	0.734	7.7329	
30 minute summer	S4	1.003	S5	340.6	1.209	0.997	11.5375	
30 minute summer	S5	1.004	S6	403.4	1.432	1.176	12.1186	
30 minute summer	S6	1.005	S3 [CP]	686.6	2.438	1.899	8.2974	
30 minute summer	S8	2.003	S9	209.4	0.743	0.610	11.1068	
30 minute summer	S9	2.004	S6	210.0	0.746	0.609	1.3335	
30 minute summer	S3 [CP]	1.006	Pond	687.3	2.443	1.905	2.7556	
30 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1045	75.3
30 minute summer	Pond	1.009	S4 [control]	9.9	0.294	0.064	2.1031	
30 minute summer	S10	4.000	S12	31.9	0.974	0.448	0.9015	
30 minute summer	S12	4.001	S15	48.6	0.484	0.301	1.8522	
30 minute summer	S11	5.000	S12	17.9	0.811	0.253	0.3979	
30 minute summer	S13	6.000	S15	32.8	0.966	0.460	0.9332	
30 minute summer	S15	4.002	S16	96.9	0.922	0.601	1.0088	
30 minute summer	S14	7.000	S15	17.5	0.770	0.246	0.4794	
30 minute summer	S16	4.003	S17	97.6	0.951	0.609	3.1311	
30 minute summer	S17	4.004	Pond	120.1	1.267	0.747	2.4967	
30 minute summer	S1 [CP]	3.000	S2 [CP]	50.8	0.721	0.714	4.6687	
30 minute summer	S2 [CP]	3.001	S2a [CP]	65.5	0.930	0.920	1.2080	
30 minute summer	S2a [CP]	3.002	S6	78.5	1.116	0.842	0.7772	



Results for 100 year +20% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S18	19	2.600	0.685	42.5	0.7747	0.0987	FLOOD
30 minute summer	S19	19	2.464	0.872	48.5	0.9867	0.0000	FLOOD RISK
30 minute summer	S20	19	2.433	0.886	54.7	1.0023	0.0000	FLOOD RISK

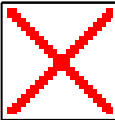
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S18	2.000	S19	40.9	0.952	0.575	5.5024	
30 minute summer	S19	2.001	S20	47.3	0.721	0.666	0.7610	
30 minute summer	S20	2.002	S8	57.9	0.822	0.814	2.4263	



Results for 100 year +20% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S1	18	2.615	0.950	204.2	1.6781	0.0000	FLOOD RISK
30 minute winter	S2	18	2.577	1.025	220.2	1.8115	0.0000	FLOOD RISK
30 minute winter	S3	18	2.523	1.054	246.3	1.8615	0.0000	FLOOD RISK
30 minute winter	S4	19	2.460	1.060	314.8	1.8723	0.0000	SURCHARGED
30 minute winter	S5	19	2.340	1.042	386.9	1.8415	0.0000	SURCHARGED
30 minute winter	S6	19	2.165	0.975	643.1	1.7221	0.0000	SURCHARGED
30 minute winter	S8	19	2.234	0.933	189.7	1.6490	0.0000	SURCHARGED
30 minute winter	S9	19	2.180	0.978	189.2	1.7289	0.0000	SURCHARGED
30 minute winter	S3 [CP]	19	1.777	0.669	640.7	0.9571	0.0000	SURCHARGED
30 minute winter	HW1							
30 minute winter	S4 [control]	45	1.117	0.377	11.8	0.6665	0.0000	OK
30 minute winter	HW3	31	0.763	0.047	5.0	0.0000	0.0000	OK
30 minute winter	HW2							
30 minute winter	Pond	43	1.112	0.332	750.5	610.2124	0.0000	OK
30 minute winter	S10	18	1.814	0.138	28.8	0.2439	0.0000	OK
30 minute winter	S12	19	1.653	0.241	45.1	0.4259	0.0000	OK
30 minute winter	S11	18	1.736	0.102	16.3	0.1805	0.0000	OK
30 minute winter	S13	18	1.770	0.140	29.6	0.2479	0.0000	OK
30 minute winter	S15	19	1.643	0.277	90.1	0.4903	0.0000	OK
30 minute winter	S14	17	1.688	0.100	15.9	0.1773	0.0000	OK
30 minute winter	S16	19	1.604	0.262	89.2	0.4631	0.0000	OK
30 minute winter	S17	19	1.530	0.264	110.0	0.4668	0.0000	OK
30 minute winter	HW4							
30 minute winter	S1 [CP]	19	2.451	0.838	49.7	1.1993	0.0000	FLOOD RISK
30 minute winter	S2 [CP]	19	2.330	0.991	62.3	1.4179	0.0000	FLOOD RISK
30 minute winter	S2a [CP]	19	2.244	0.976	74.9	1.3959	0.0000	SURCHARGED

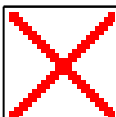
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	S1	1.000	S2	193.7	1.006	0.566	12.7625	
30 minute winter	S2	1.001	S3	221.4	0.938	0.645	9.3103	
30 minute winter	S3	1.002	S4	248.4	0.882	0.724	7.7329	
30 minute winter	S4	1.003	S5	314.6	1.117	0.921	11.5375	
30 minute winter	S5	1.004	S6	400.4	1.422	1.167	12.1186	
30 minute winter	S6	1.005	S3 [CP]	640.7	2.275	1.772	8.2974	
30 minute winter	S8	2.003	S9	189.2	0.672	0.551	11.1068	
30 minute winter	S9	2.004	S6	186.7	0.663	0.541	1.3335	
30 minute winter	S3 [CP]	1.006	Pond	640.0	2.283	1.774	2.7268	
30 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	75.7
30 minute winter	Pond	1.009	S4 [control]	11.8	0.307	0.077	2.3412	
30 minute winter	S10	4.000	S12	28.8	0.946	0.404	0.8370	
30 minute winter	S12	4.001	S15	44.6	0.474	0.276	1.7235	
30 minute winter	S11	5.000	S12	16.3	0.801	0.230	0.3584	
30 minute winter	S13	6.000	S15	29.6	0.953	0.416	0.8541	
30 minute winter	S15	4.002	S16	89.2	0.904	0.553	0.9435	
30 minute winter	S14	7.000	S15	15.9	0.744	0.224	0.4258	
30 minute winter	S16	4.003	S17	89.5	0.930	0.558	2.9377	
30 minute winter	S17	4.004	Pond	110.4	1.234	0.687	2.3573	
30 minute winter	S1 [CP]	3.000	S2 [CP]	46.6	0.667	0.656	4.6687	
30 minute winter	S2 [CP]	3.001	S2a [CP]	63.4	0.901	0.891	1.2080	
30 minute winter	S2a [CP]	3.002	S6	73.9	1.049	0.792	0.7772	



Results for 100 year +20% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.94%

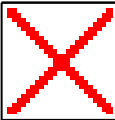
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S18	19	2.525	0.610	38.4	0.6898	0.0000	FLOOD RISK
30 minute winter	S19	19	2.382	0.790	39.4	0.8939	0.0000	FLOOD RISK
30 minute winter	S20	19	2.348	0.801	51.0	0.9055	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	S18	2.000	S19	39.4	0.906	0.554	5.5024	
30 minute winter	S19	2.001	S20	43.5	0.729	0.612	0.7610	
30 minute winter	S20	2.002	S8	52.6	0.748	0.740	2.4263	



Results for 100 year +20% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

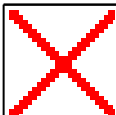
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S1	35	2.110	0.445	168.2	0.7858	0.0000	OK
60 minute summer	S2	35	2.092	0.540	185.9	0.9534	0.0000	OK
60 minute summer	S3	35	2.070	0.601	188.6	1.0614	0.0000	SURCHARGED
60 minute summer	S4	35	2.039	0.639	235.7	1.1290	0.0000	SURCHARGED
60 minute summer	S5	35	1.973	0.675	283.4	1.1925	0.0000	SURCHARGED
60 minute summer	S6	34	1.871	0.681	489.7	1.2039	0.0000	SURCHARGED
60 minute summer	S8	34	1.909	0.608	160.5	1.0735	0.0000	SURCHARGED
60 minute summer	S9	34	1.882	0.680	160.7	1.2013	0.0000	SURCHARGED
60 minute summer	S3 [CP]	34	1.644	0.536	489.0	0.7667	0.0000	OK
60 minute summer	HW1							
60 minute summer	S4 [control]	74	1.146	0.406	6.5	0.7176	0.0000	OK
60 minute summer	HW3	45	0.763	0.047	5.0	0.0000	0.0000	OK
60 minute summer	HW2							
60 minute summer	Pond	73	1.146	0.366	579.5	677.2103	0.0000	OK
60 minute summer	S10	33	1.799	0.123	23.7	0.2180	0.0000	OK
60 minute summer	S12	34	1.620	0.208	37.1	0.3676	0.0000	OK
60 minute summer	S11	33	1.726	0.092	13.4	0.1623	0.0000	OK
60 minute summer	S13	33	1.755	0.125	24.4	0.2216	0.0000	OK
60 minute summer	S15	34	1.611	0.245	74.2	0.4325	0.0000	OK
60 minute summer	S14	33	1.679	0.091	13.1	0.1606	0.0000	OK
60 minute summer	S16	34	1.573	0.231	73.4	0.4089	0.0000	OK
60 minute summer	S17	34	1.502	0.236	90.8	0.4175	0.0000	OK
60 minute summer	HW4							
60 minute summer	S1 [CP]	34	2.064	0.451	40.9	0.6459	0.0000	SURCHARGED
60 minute summer	S2 [CP]	34	1.975	0.636	53.7	0.9095	0.0000	SURCHARGED
60 minute summer	S2a [CP]	34	1.923	0.655	62.6	0.9380	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S1	1.000	S2	162.9	0.978	0.476	11.1228	
60 minute summer	S2	1.001	S3	168.1	0.917	0.490	9.0646	
60 minute summer	S3	1.002	S4	193.5	0.852	0.564	7.7303	
60 minute summer	S4	1.003	S5	238.5	0.903	0.698	11.5375	
60 minute summer	S5	1.004	S6	284.9	1.012	0.830	12.1186	
60 minute summer	S6	1.005	S3 [CP]	489.0	1.738	1.353	8.0602	
60 minute summer	S8	2.003	S9	160.7	0.588	0.468	11.1068	
60 minute summer	S9	2.004	S6	160.2	0.569	0.465	1.3335	
60 minute summer	S3 [CP]	1.006	Pond	489.4	1.961	1.357	2.5091	
60 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	81.3
60 minute summer	Pond	1.009	S4 [control]	6.5	0.259	0.042	2.5274	
60 minute summer	S10	4.000	S12	23.7	0.897	0.333	0.7266	
60 minute summer	S12	4.001	S15	36.7	0.461	0.227	1.4566	
60 minute summer	S11	5.000	S12	13.4	0.760	0.189	0.3103	
60 minute summer	S13	6.000	S15	24.4	0.904	0.342	0.7422	
60 minute summer	S15	4.002	S16	73.4	0.868	0.455	0.8096	
60 minute summer	S14	7.000	S15	13.1	0.744	0.184	0.3212	
60 minute summer	S16	4.003	S17	73.8	0.887	0.460	2.5389	
60 minute summer	S17	4.004	Pond	90.9	1.163	0.565	2.0610	
60 minute summer	S1 [CP]	3.000	S2 [CP]	40.6	0.613	0.570	4.6687	
60 minute summer	S2 [CP]	3.001	S2a [CP]	52.6	0.747	0.739	1.2080	
60 minute summer	S2a [CP]	3.002	S6	62.0	0.881	0.665	0.7772	



Results for 100 year +20% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

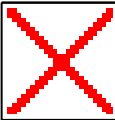
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S18	33	2.053	0.138	31.6	0.1559	0.0000	OK
60 minute summer	S19	34	1.984	0.392	31.5	0.4439	0.0000	SURCHARGED
60 minute summer	S20	34	1.969	0.422	40.2	0.4771	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S18	2.000	S19	31.5	0.880	0.443	3.9847	
60 minute summer	S19	2.001	S20	31.4	0.715	0.441	0.7610	
60 minute summer	S20	2.002	S8	40.7	0.712	0.572	2.4263	



Results for 100 year +20% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

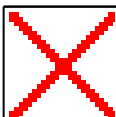
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S1	35	1.967	0.302	136.1	0.5333	0.0000	OK
60 minute winter	S2	35	1.933	0.381	153.1	0.6736	0.0000	OK
60 minute winter	S3	35	1.909	0.440	164.8	0.7779	0.0000	OK
60 minute winter	S4	35	1.887	0.487	206.7	0.8606	0.0000	OK
60 minute winter	S5	35	1.847	0.549	251.9	0.9702	0.0000	OK
60 minute winter	S6	35	1.784	0.594	427.4	1.0496	0.0000	OK
60 minute winter	S8	35	1.805	0.504	129.4	0.8903	0.0000	OK
60 minute winter	S9	35	1.791	0.589	127.7	1.0400	0.0000	OK
60 minute winter	S3 [CP]	35	1.598	0.490	427.2	0.7013	0.0000	OK
60 minute winter	HW1							
60 minute winter	S4 [control]	70	1.187	0.447	6.3	0.7903	0.0000	OK
60 minute winter	HW3	43	0.763	0.047	5.0	0.0000	0.0000	OK
60 minute winter	HW2							
60 minute winter	Pond	72	1.187	0.407	500.9	760.2502	0.0000	OK
60 minute winter	S10	33	1.786	0.110	19.2	0.1937	0.0000	OK
60 minute winter	S12	33	1.591	0.179	30.1	0.3171	0.0000	OK
60 minute winter	S11	33	1.716	0.082	10.9	0.1454	0.0000	OK
60 minute winter	S13	33	1.741	0.111	19.8	0.1970	0.0000	OK
60 minute winter	S15	34	1.582	0.216	60.4	0.3821	0.0000	OK
60 minute winter	S14	33	1.669	0.081	10.6	0.1429	0.0000	OK
60 minute winter	S16	34	1.546	0.204	60.2	0.3610	0.0000	OK
60 minute winter	S17	34	1.477	0.211	74.5	0.3734	0.0000	OK
60 minute winter	HW4							
60 minute winter	S1 [CP]	34	1.912	0.299	33.1	0.4279	0.0000	OK
60 minute winter	S2 [CP]	35	1.852	0.513	42.1	0.7346	0.0000	SURCHARGED
60 minute winter	S2a [CP]	35	1.819	0.551	49.6	0.7882	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S1	1.000	S2	134.6	0.935	0.393	7.4934	
60 minute winter	S2	1.001	S3	147.3	0.887	0.429	6.7831	
60 minute winter	S3	1.002	S4	160.9	0.837	0.469	6.4051	
60 minute winter	S4	1.003	S5	203.9	0.887	0.597	10.5530	
60 minute winter	S5	1.004	S6	250.4	0.907	0.730	11.8649	
60 minute winter	S6	1.005	S3 [CP]	427.2	1.595	1.182	7.7725	
60 minute winter	S8	2.003	S9	127.7	0.590	0.372	10.5091	
60 minute winter	S9	2.004	S6	127.6	0.532	0.370	1.3295	
60 minute winter	S3 [CP]	1.006	Pond	427.0	1.844	1.184	2.3340	
60 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	81.3
60 minute winter	Pond	1.009	S4 [control]	6.3	0.275	0.041	2.7063	
60 minute winter	S10	4.000	S12	19.2	0.848	0.269	0.6222	
60 minute winter	S12	4.001	S15	30.0	0.447	0.186	1.2240	
60 minute winter	S11	5.000	S12	10.9	0.718	0.154	0.2671	
60 minute winter	S13	6.000	S15	19.8	0.855	0.278	0.6364	
60 minute winter	S15	4.002	S16	60.2	0.830	0.373	0.6908	
60 minute winter	S14	7.000	S15	10.6	0.715	0.149	0.2582	
60 minute winter	S16	4.003	S17	60.3	0.843	0.376	2.1827	
60 minute winter	S17	4.004	Pond	74.5	1.096	0.463	1.7919	
60 minute winter	S1 [CP]	3.000	S2 [CP]	31.7	0.605	0.446	4.6665	
60 minute winter	S2 [CP]	3.001	S2a [CP]	41.8	0.613	0.587	1.2080	
60 minute winter	S2a [CP]	3.002	S6	49.4	0.701	0.530	0.7772	



Results for 100 year +20% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

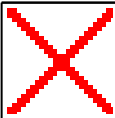
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S18	33	2.038	0.123	25.6	0.1387	0.0000	OK
60 minute winter	S19	35	1.844	0.252	25.5	0.2855	0.0000	OK
60 minute winter	S20	35	1.838	0.291	32.4	0.3292	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S18	2.000	S19	25.5	0.841	0.359	3.5023	
60 minute winter	S19	2.001	S20	25.4	0.710	0.357	0.7192	
60 minute winter	S20	2.002	S8	33.5	0.720	0.470	2.4162	



Results for 100 year +20% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

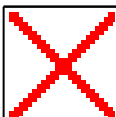
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S1	64	1.911	0.246	108.2	0.4354	0.0000	OK
120 minute summer	S2	64	1.839	0.287	122.8	0.5067	0.0000	OK
120 minute summer	S3	66	1.801	0.332	134.9	0.5862	0.0000	OK
120 minute summer	S4	66	1.773	0.373	169.7	0.6596	0.0000	OK
120 minute summer	S5	66	1.734	0.436	206.4	0.7700	0.0000	OK
120 minute summer	S6	66	1.686	0.496	344.2	0.8765	0.0000	OK
120 minute summer	S8	66	1.701	0.400	105.8	0.7070	0.0000	OK
120 minute summer	S9	66	1.691	0.489	103.6	0.8640	0.0000	OK
120 minute summer	S3 [CP]	66	1.539	0.431	345.1	0.6162	0.0000	OK
120 minute summer	HW1							
120 minute summer	S4 [control]	134	1.210	0.470	6.0	0.8309	0.0000	SURCHARGED
120 minute summer	HW3	74	0.763	0.047	5.0	0.0000	0.0000	OK
120 minute summer	HW2							
120 minute summer	Pond	132	1.210	0.430	403.6	808.0845	0.0000	OK
120 minute summer	S10	64	1.773	0.097	15.3	0.1712	0.0000	OK
120 minute summer	S12	64	1.564	0.152	23.9	0.2684	0.0000	OK
120 minute summer	S11	64	1.707	0.073	8.6	0.1285	0.0000	OK
120 minute summer	S13	64	1.728	0.098	15.7	0.1736	0.0000	OK
120 minute summer	S15	64	1.555	0.189	48.0	0.3331	0.0000	OK
120 minute summer	S14	64	1.660	0.072	8.4	0.1266	0.0000	OK
120 minute summer	S16	64	1.520	0.178	47.9	0.3144	0.0000	OK
120 minute summer	S17	64	1.452	0.186	59.3	0.3290	0.0000	OK
120 minute summer	HW4							
120 minute summer	S1 [CP]	66	1.757	0.144	26.3	0.2056	0.0000	OK
120 minute summer	S2 [CP]	66	1.728	0.389	34.2	0.5570	0.0000	SURCHARGED
120 minute summer	S2a [CP]	66	1.707	0.439	38.4	0.6288	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	S1	1.000	S2	108.0	0.915	0.316	5.4800	
120 minute summer	S2	1.001	S3	121.0	0.875	0.353	4.8209	
120 minute summer	S3	1.002	S4	132.5	0.826	0.386	4.7231	
120 minute summer	S4	1.003	S5	166.8	0.873	0.488	8.2639	
120 minute summer	S5	1.004	S6	204.3	0.873	0.595	10.0757	
120 minute summer	S6	1.005	S3 [CP]	345.1	1.478	0.955	6.8575	
120 minute summer	S8	2.003	S9	103.6	0.535	0.302	8.7846	
120 minute summer	S9	2.004	S6	101.7	0.464	0.295	1.1719	
120 minute summer	S3 [CP]	1.006	Pond	345.4	1.694	0.958	2.0585	
120 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	92.8
120 minute summer	Pond	1.009	S4 [control]	6.0	0.204	0.039	2.7539	
120 minute summer	S10	4.000	S12	15.3	0.799	0.215	0.5270	
120 minute summer	S12	4.001	S15	23.9	0.435	0.148	1.0026	
120 minute summer	S11	5.000	S12	8.6	0.675	0.122	0.2241	
120 minute summer	S13	6.000	S15	15.7	0.804	0.220	0.5370	
120 minute summer	S15	4.002	S16	47.9	0.790	0.297	0.5764	
120 minute summer	S14	7.000	S15	8.4	0.672	0.118	0.2178	
120 minute summer	S16	4.003	S17	47.8	0.795	0.298	1.8337	
120 minute summer	S17	4.004	Pond	58.9	1.022	0.366	1.5192	
120 minute summer	S1 [CP]	3.000	S2 [CP]	25.8	0.607	0.362	3.4392	
120 minute summer	S2 [CP]	3.001	S2a [CP]	32.5	0.528	0.457	1.2080	
120 minute summer	S2a [CP]	3.002	S6	38.5	0.546	0.413	0.7772	



Results for 100 year +20% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

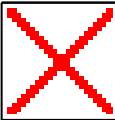
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S18	64	2.024	0.109	20.4	0.1228	0.0000	OK
120 minute summer	S19	66	1.729	0.137	20.4	0.1545	0.0000	OK
120 minute summer	S20	66	1.717	0.170	25.5	0.1928	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	S18	2.000	S19	20.4	0.822	0.287	2.0758	
120 minute summer	S19	2.001	S20	19.4	0.702	0.273	0.3918	
120 minute summer	S20	2.002	S8	25.7	0.723	0.362	1.9218	



Results for 100 year +20% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

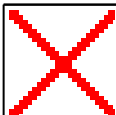
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S1	64	1.875	0.210	83.4	0.3705	0.0000	OK
120 minute winter	S2	64	1.789	0.237	94.8	0.4191	0.0000	OK
120 minute winter	S3	64	1.736	0.267	105.4	0.4725	0.0000	OK
120 minute winter	S4	66	1.701	0.301	133.8	0.5317	0.0000	OK
120 minute winter	S5	66	1.657	0.359	163.7	0.6340	0.0000	OK
120 minute winter	S6	66	1.614	0.424	276.8	0.7497	0.0000	OK
120 minute winter	S8	66	1.628	0.327	83.5	0.5785	0.0000	OK
120 minute winter	S9	66	1.619	0.417	82.8	0.7363	0.0000	OK
120 minute winter	S3 [CP]	66	1.487	0.379	277.0	0.5426	0.0000	OK
120 minute winter	HW1							
120 minute winter	S4 [control]	128	1.258	0.518	5.8	0.9159	0.0000	SURCHARGED
120 minute winter	HW3	72	0.763	0.047	5.0	0.0000	0.0000	OK
120 minute winter	HW2							
120 minute winter	Pond	128	1.258	0.478	322.8	908.1242	0.0000	SURCHARGED
120 minute winter	S10	64	1.760	0.084	11.8	0.1491	0.0000	OK
120 minute winter	S12	64	1.538	0.126	18.5	0.2228	0.0000	OK
120 minute winter	S11	64	1.698	0.064	6.7	0.1129	0.0000	OK
120 minute winter	S13	64	1.715	0.085	12.1	0.1511	0.0000	OK
120 minute winter	S15	64	1.528	0.162	37.1	0.2870	0.0000	OK
120 minute winter	S14	64	1.651	0.063	6.5	0.1109	0.0000	OK
120 minute winter	S16	64	1.495	0.153	37.1	0.2712	0.0000	OK
120 minute winter	S17	64	1.429	0.163	45.9	0.2876	0.0000	OK
120 minute winter	HW4							
120 minute winter	S1 [CP]	64	1.721	0.108	20.3	0.1550	0.0000	OK
120 minute winter	S2 [CP]	66	1.642	0.303	26.8	0.4329	0.0000	SURCHARGED
120 minute winter	S2a [CP]	66	1.628	0.360	31.4	0.5156	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	S1	1.000	S2	83.4	0.876	0.244	4.3309	
120 minute winter	S2	1.001	S3	94.6	0.850	0.276	3.7176	
120 minute winter	S3	1.002	S4	105.1	0.813	0.306	3.6059	
120 minute winter	S4	1.003	S5	133.2	0.858	0.390	6.4966	
120 minute winter	S5	1.004	S6	163.2	0.839	0.476	8.3653	
120 minute winter	S6	1.005	S3 [CP]	277.0	1.382	0.766	5.9018	
120 minute winter	S8	2.003	S9	82.8	0.492	0.241	7.2182	
120 minute winter	S9	2.004	S6	82.4	0.412	0.239	0.9988	
120 minute winter	S3 [CP]	1.006	Pond	277.1	1.563	0.768	1.7903	
120 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	92.8
120 minute winter	Pond	1.009	S4 [control]	5.8	0.238	0.038	2.7750	
120 minute winter	S10	4.000	S12	11.8	0.744	0.166	0.4361	
120 minute winter	S12	4.001	S15	18.5	0.422	0.115	0.8010	
120 minute winter	S11	5.000	S12	6.7	0.632	0.095	0.1866	
120 minute winter	S13	6.000	S15	12.1	0.749	0.170	0.4440	
120 minute winter	S15	4.002	S16	37.1	0.747	0.230	0.4719	
120 minute winter	S14	7.000	S15	6.5	0.628	0.091	0.1802	
120 minute winter	S16	4.003	S17	37.0	0.746	0.231	1.5163	
120 minute winter	S17	4.004	Pond	45.8	0.952	0.285	1.2698	
120 minute winter	S1 [CP]	3.000	S2 [CP]	20.3	0.607	0.285	3.0925	
120 minute winter	S2 [CP]	3.001	S2a [CP]	26.5	0.556	0.372	1.2078	
120 minute winter	S2a [CP]	3.002	S6	31.3	0.445	0.336	0.7772	



Results for 100 year +20% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

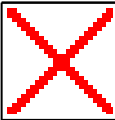
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S18	64	2.010	0.095	15.7	0.1070	0.0000	OK
120 minute winter	S19	64	1.696	0.104	15.7	0.1182	0.0000	OK
120 minute winter	S20	64	1.657	0.110	20.8	0.1239	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	S18	2.000	S19	15.7	0.770	0.221	1.5956	
120 minute winter	S19	2.001	S20	15.7	0.694	0.220	0.2436	
120 minute winter	S20	2.002	S8	20.7	0.719	0.291	1.3686	



Results for 100 year +20% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.99%

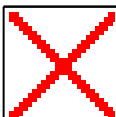
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S1	124	1.848	0.183	66.3	0.3241	0.0000	OK
240 minute summer	S2	124	1.754	0.202	75.0	0.3577	0.0000	OK
240 minute summer	S3	124	1.691	0.222	82.7	0.3928	0.0000	OK
240 minute summer	S4	124	1.646	0.246	104.7	0.4352	0.0000	OK
240 minute summer	S5	128	1.590	0.292	127.8	0.5155	0.0000	OK
240 minute summer	S6	128	1.550	0.360	214.5	0.6359	0.0000	OK
240 minute summer	S8	128	1.563	0.262	66.1	0.4626	0.0000	OK
240 minute summer	S9	128	1.554	0.352	64.6	0.6216	0.0000	OK
240 minute summer	S3 [CP]	128	1.437	0.329	215.3	0.4708	0.0000	OK
240 minute summer	HW1							
240 minute summer	S4 [control]	252	1.267	0.527	5.7	0.9305	0.0000	SURCHARGED
240 minute summer	HW3	136	0.763	0.047	5.0	0.0000	0.0000	OK
240 minute summer	HW2							
240 minute summer	Pond	252	1.267	0.487	251.0	925.7141	0.0000	SURCHARGED
240 minute summer	S10	124	1.751	0.075	9.4	0.1319	0.0000	OK
240 minute summer	S12	124	1.517	0.105	14.5	0.1860	0.0000	OK
240 minute summer	S11	124	1.691	0.057	5.3	0.0999	0.0000	OK
240 minute summer	S13	124	1.705	0.075	9.6	0.1334	0.0000	OK
240 minute summer	S15	124	1.507	0.141	29.1	0.2492	0.0000	OK
240 minute summer	S14	124	1.644	0.056	5.2	0.0987	0.0000	OK
240 minute summer	S16	124	1.475	0.133	28.9	0.2351	0.0000	OK
240 minute summer	S17	124	1.408	0.142	35.8	0.2517	0.0000	OK
240 minute summer	HW4							
240 minute summer	S1 [CP]	124	1.708	0.095	16.1	0.1366	0.0000	OK
240 minute summer	S2 [CP]	128	1.564	0.225	21.2	0.3218	0.0000	OK
240 minute summer	S2a [CP]	128	1.558	0.290	24.3	0.4151	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	S1	1.000	S2	65.9	0.843	0.193	3.5429	
240 minute summer	S2	1.001	S3	74.2	0.832	0.216	2.9486	
240 minute summer	S3	1.002	S4	81.9	0.804	0.238	2.7972	
240 minute summer	S4	1.003	S5	103.5	0.850	0.303	5.0006	
240 minute summer	S5	1.004	S6	126.4	0.814	0.368	6.7193	
240 minute summer	S6	1.005	S3 [CP]	215.3	1.287	0.596	4.9288	
240 minute summer	S8	2.003	S9	64.6	0.461	0.188	5.7122	
240 minute summer	S9	2.004	S6	63.7	0.369	0.185	0.8240	
240 minute summer	S3 [CP]	1.006	Pond	215.8	1.440	0.598	1.5138	
240 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1045	116.8
240 minute summer	Pond	1.009	S4 [control]	5.7	0.170	0.037	2.7750	
240 minute summer	S10	4.000	S12	9.3	0.697	0.130	0.3670	
240 minute summer	S12	4.001	S15	14.4	0.410	0.089	0.6436	
240 minute summer	S11	5.000	S12	5.2	0.589	0.074	0.1567	
240 minute summer	S13	6.000	S15	9.5	0.701	0.134	0.3731	
240 minute summer	S15	4.002	S16	28.9	0.709	0.179	0.3879	
240 minute summer	S14	7.000	S15	5.1	0.587	0.072	0.1527	
240 minute summer	S16	4.003	S17	28.7	0.698	0.179	1.2535	
240 minute summer	S17	4.004	Pond	35.3	0.884	0.220	1.0552	
240 minute summer	S1 [CP]	3.000	S2 [CP]	16.0	0.590	0.224	2.4957	
240 minute summer	S2 [CP]	3.001	S2a [CP]	20.6	0.507	0.289	1.0841	
240 minute summer	S2a [CP]	3.002	S6	24.4	0.346	0.261	0.7735	



Results for 100 year +20% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.99%

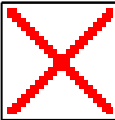
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
240 minute summer	S18	124	1.999	0.084	12.5	0.0947	0.0000	OK
240 minute summer	S19	124	1.683	0.091	12.4	0.1025	0.0000	OK
240 minute summer	S20	124	1.643	0.096	16.3	0.1088	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
240 minute summer	S18	2.000	S19	12.4	0.729	0.174	1.3264	
240 minute summer	S19	2.001	S20	12.2	0.652	0.171	0.2019	
240 minute summer	S20	2.002	S8	16.2	0.722	0.227	0.9781	



Results for 100 year +20% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.99%

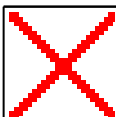
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S1	124	1.821	0.156	49.4	0.2757	0.0000	OK
240 minute winter	S2	124	1.724	0.172	56.1	0.3031	0.0000	OK
240 minute winter	S3	124	1.656	0.187	62.4	0.3304	0.0000	OK
240 minute winter	S4	124	1.606	0.206	79.3	0.3645	0.0000	OK
240 minute winter	S5	128	1.538	0.240	97.2	0.4240	0.0000	OK
240 minute winter	S6	128	1.496	0.306	164.6	0.5399	0.0000	OK
240 minute winter	S8	128	1.508	0.207	49.4	0.3665	0.0000	OK
240 minute winter	S9	128	1.499	0.297	49.2	0.5248	0.0000	OK
240 minute winter	S3 [CP]	128	1.392	0.284	164.8	0.4063	0.0000	OK
240 minute winter	HW1							
240 minute winter	S4 [control]	248	1.321	0.581	5.5	1.0265	0.0000	SURCHARGED
240 minute winter	HW3	132	0.763	0.047	5.0	0.0000	0.0000	OK
240 minute winter	HW2							
240 minute winter	Pond	248	1.321	0.541	191.8	1041.4950	0.0000	SURCHARGED
240 minute winter	S10	124	1.740	0.064	7.0	0.1138	0.0000	OK
240 minute winter	S12	124	1.498	0.086	10.9	0.1517	0.0000	OK
240 minute winter	S11	124	1.683	0.049	3.9	0.0861	0.0000	OK
240 minute winter	S13	124	1.695	0.065	7.2	0.1154	0.0000	OK
240 minute winter	S15	124	1.487	0.121	21.9	0.2135	0.0000	OK
240 minute winter	S14	124	1.636	0.048	3.8	0.0848	0.0000	OK
240 minute winter	S16	124	1.456	0.114	21.8	0.2019	0.0000	OK
240 minute winter	S17	128	1.390	0.124	27.0	0.2191	0.0000	OK
240 minute winter	HW4							
240 minute winter	S1 [CP]	124	1.695	0.082	12.0	0.1179	0.0000	OK
240 minute winter	S2 [CP]	128	1.503	0.164	15.8	0.2350	0.0000	OK
240 minute winter	S2a [CP]	128	1.499	0.231	18.7	0.3303	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	S1	1.000	S2	49.3	0.793	0.144	2.8205	
240 minute winter	S2	1.001	S3	56.0	0.793	0.163	2.3337	
240 minute winter	S3	1.002	S4	62.3	0.776	0.181	2.2039	
240 minute winter	S4	1.003	S5	79.1	0.830	0.231	3.9064	
240 minute winter	S5	1.004	S6	96.9	0.780	0.282	5.3634	
240 minute winter	S6	1.005	S3 [CP]	164.8	1.197	0.456	4.0562	
240 minute winter	S8	2.003	S9	49.2	0.452	0.143	4.4445	
240 minute winter	S9	2.004	S6	49.0	0.349	0.142	0.6704	
240 minute winter	S3 [CP]	1.006	Pond	164.8	1.323	0.457	1.2587	
240 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	116.6
240 minute winter	Pond	1.009	S4 [control]	5.5	0.175	0.036	2.7750	
240 minute winter	S10	4.000	S12	7.0	0.645	0.098	0.2978	
240 minute winter	S12	4.001	S15	10.9	0.396	0.067	0.5039	
240 minute winter	S11	5.000	S12	3.9	0.547	0.055	0.1255	
240 minute winter	S13	6.000	S15	7.2	0.650	0.101	0.3041	
240 minute winter	S15	4.002	S16	21.8	0.664	0.135	0.3131	
240 minute winter	S14	7.000	S15	3.8	0.544	0.053	0.1216	
240 minute winter	S16	4.003	S17	21.8	0.651	0.136	1.0232	
240 minute winter	S17	4.004	Pond	27.0	0.820	0.168	0.8693	
240 minute winter	S1 [CP]	3.000	S2 [CP]	12.0	0.582	0.169	1.8258	
240 minute winter	S2 [CP]	3.001	S2a [CP]	15.8	0.503	0.222	0.8374	
240 minute winter	S2a [CP]	3.002	S6	18.7	0.282	0.201	0.7097	



Results for 100 year +20% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.99%

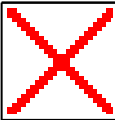
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S18	124	1.987	0.072	9.3	0.0819	0.0000	OK
240 minute winter	S19	124	1.670	0.078	9.3	0.0878	0.0000	OK
240 minute winter	S20	128	1.630	0.083	12.3	0.0943	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	S18	2.000	S19	9.3	0.675	0.131	1.0744	
240 minute winter	S19	2.001	S20	9.3	0.610	0.130	0.1641	
240 minute winter	S20	2.002	S8	12.2	0.716	0.172	0.6453	



Results for 100 year +20% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.99%

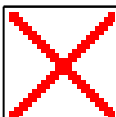
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S1	184	1.821	0.156	49.5	0.2758	0.0000	OK
360 minute summer	S2	184	1.723	0.171	56.0	0.3013	0.0000	OK
360 minute summer	S3	184	1.654	0.185	61.7	0.3270	0.0000	OK
360 minute summer	S4	184	1.604	0.204	78.1	0.3598	0.0000	OK
360 minute summer	S5	184	1.533	0.235	95.5	0.4148	0.0000	OK
360 minute summer	S6	184	1.488	0.298	159.2	0.5268	0.0000	OK
360 minute summer	S8	184	1.502	0.201	49.2	0.3547	0.0000	OK
360 minute summer	S9	184	1.492	0.290	48.2	0.5118	0.0000	OK
360 minute summer	S3 [CP]	184	1.385	0.277	157.8	0.3961	0.0000	OK
360 minute summer	HW1							
360 minute summer	S4 [control]	368	1.295	0.555	5.5	0.9800	0.0000	SURCHARGED
360 minute summer	HW3	192	0.763	0.047	5.0	0.0000	0.0000	OK
360 minute summer	HW2							
360 minute summer	Pond	368	1.295	0.515	183.3	985.0914	0.0000	SURCHARGED
360 minute summer	S10	184	1.740	0.064	7.0	0.1133	0.0000	OK
360 minute summer	S12	184	1.497	0.085	10.8	0.1498	0.0000	OK
360 minute summer	S11	184	1.683	0.049	3.9	0.0858	0.0000	OK
360 minute summer	S13	184	1.695	0.065	7.2	0.1150	0.0000	OK
360 minute summer	S15	184	1.486	0.120	21.6	0.2113	0.0000	OK
360 minute summer	S14	184	1.636	0.048	3.8	0.0844	0.0000	OK
360 minute summer	S16	184	1.455	0.113	21.4	0.1994	0.0000	OK
360 minute summer	S17	184	1.388	0.122	26.6	0.2162	0.0000	OK
360 minute summer	HW4							
360 minute summer	S1 [CP]	184	1.695	0.082	12.0	0.1173	0.0000	OK
360 minute summer	S2 [CP]	184	1.495	0.156	15.7	0.2233	0.0000	OK
360 minute summer	S2a [CP]	184	1.491	0.223	17.8	0.3190	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	S1	1.000	S2	49.2	0.794	0.144	2.8087	
360 minute summer	S2	1.001	S3	55.3	0.793	0.161	2.3069	
360 minute summer	S3	1.002	S4	61.1	0.774	0.178	2.1683	
360 minute summer	S4	1.003	S5	77.4	0.831	0.226	3.8161	
360 minute summer	S5	1.004	S6	94.2	0.780	0.275	5.2031	
360 minute summer	S6	1.005	S3 [CP]	157.8	1.184	0.437	3.9284	
360 minute summer	S8	2.003	S9	48.2	0.449	0.141	4.2822	
360 minute summer	S9	2.004	S6	47.5	0.346	0.138	0.6495	
360 minute summer	S3 [CP]	1.006	Pond	157.1	1.304	0.435	1.2173	
360 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	141.4
360 minute summer	Pond	1.009	S4 [control]	5.5	0.142	0.036	2.7750	
360 minute summer	S10	4.000	S12	6.9	0.643	0.097	0.2959	
360 minute summer	S12	4.001	S15	10.7	0.396	0.066	0.4959	
360 minute summer	S11	5.000	S12	3.9	0.545	0.055	0.1247	
360 minute summer	S13	6.000	S15	7.1	0.648	0.100	0.3022	
360 minute summer	S15	4.002	S16	21.4	0.662	0.133	0.3081	
360 minute summer	S14	7.000	S15	3.8	0.542	0.053	0.1209	
360 minute summer	S16	4.003	S17	21.3	0.646	0.133	1.0050	
360 minute summer	S17	4.004	Pond	26.2	0.812	0.163	0.8517	
360 minute summer	S1 [CP]	3.000	S2 [CP]	11.9	0.585	0.167	1.7437	
360 minute summer	S2 [CP]	3.001	S2a [CP]	14.9	0.499	0.209	0.7990	
360 minute summer	S2a [CP]	3.002	S6	17.5	0.274	0.188	0.6980	



Results for 100 year +20% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.99%

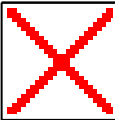
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S18	184	1.987	0.072	9.3	0.0815	0.0000	OK
360 minute summer	S19	184	1.669	0.077	9.2	0.0866	0.0000	OK
360 minute summer	S20	184	1.630	0.083	12.0	0.0935	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	S18	2.000	S19	9.2	0.677	0.129	1.0608	
360 minute summer	S19	2.001	S20	9.0	0.603	0.127	0.1617	
360 minute summer	S20	2.002	S8	12.0	0.714	0.169	0.6094	



Results for 100 year +20% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.99%

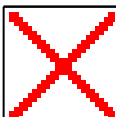
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S1	184	1.797	0.132	36.0	0.2329	0.0000	OK
360 minute winter	S2	184	1.696	0.144	40.8	0.2540	0.0000	OK
360 minute winter	S3	184	1.624	0.155	45.4	0.2741	0.0000	OK
360 minute winter	S4	184	1.571	0.171	57.7	0.3023	0.0000	OK
360 minute winter	S5	184	1.491	0.193	70.8	0.3409	0.0000	OK
360 minute winter	S6	184	1.443	0.253	119.9	0.4476	0.0000	OK
360 minute winter	S8	184	1.457	0.156	36.0	0.2757	0.0000	OK
360 minute winter	S9	184	1.446	0.244	35.9	0.4318	0.0000	OK
360 minute winter	S3 [CP]	368	1.353	0.245	119.7	0.3511	0.0000	OK
360 minute winter	HW1							
360 minute winter	S4 [control]	368	1.353	0.613	5.3	1.0839	0.0000	SURCHARGED
360 minute winter	HW3	184	0.763	0.047	5.0	0.0000	0.0000	OK
360 minute winter	HW2							
360 minute winter	Pond	368	1.353	0.573	139.2	1111.8820	0.0000	SURCHARGED
360 minute winter	S10	184	1.731	0.055	5.1	0.0970	0.0000	OK
360 minute winter	S12	184	1.481	0.069	8.0	0.1211	0.0000	OK
360 minute winter	S11	184	1.676	0.042	2.9	0.0743	0.0000	OK
360 minute winter	S13	184	1.685	0.055	5.2	0.0980	0.0000	OK
360 minute winter	S15	184	1.468	0.102	15.9	0.1800	0.0000	OK
360 minute winter	S14	184	1.629	0.041	2.8	0.0729	0.0000	OK
360 minute winter	S16	184	1.438	0.096	15.9	0.1701	0.0000	OK
360 minute winter	S17	184	1.372	0.106	19.7	0.1869	0.0000	OK
360 minute winter	HW4							
360 minute winter	S1 [CP]	184	1.683	0.070	8.8	0.1007	0.0000	OK
360 minute winter	S2 [CP]	184	1.449	0.110	11.6	0.1574	0.0000	OK
360 minute winter	S2a [CP]	184	1.445	0.177	13.6	0.2528	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	S1	1.000	S2	35.9	0.738	0.105	2.2084	
360 minute winter	S2	1.001	S3	40.8	0.745	0.119	1.8078	
360 minute winter	S3	1.002	S4	45.3	0.732	0.132	1.6990	
360 minute winter	S4	1.003	S5	57.6	0.798	0.168	2.9554	
360 minute winter	S5	1.004	S6	70.6	0.740	0.206	4.1129	
360 minute winter	S6	1.005	S3 [CP]	119.7	1.101	0.331	3.2029	
360 minute winter	S8	2.003	S9	35.9	0.444	0.105	3.2702	
360 minute winter	S9	2.004	S6	35.8	0.324	0.104	0.5226	
360 minute winter	S3 [CP]	1.006	Pond	119.5	1.204	0.331	1.1787	
360 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1045	141.0
360 minute winter	Pond	1.009	S4 [control]	5.3	0.136	0.035	2.7750	
360 minute winter	S10	4.000	S12	5.1	0.589	0.071	0.2372	
360 minute winter	S12	4.001	S15	8.0	0.382	0.049	0.3834	
360 minute winter	S11	5.000	S12	2.9	0.501	0.041	0.1016	
360 minute winter	S13	6.000	S15	5.2	0.593	0.073	0.2407	
360 minute winter	S15	4.002	S16	15.9	0.617	0.099	0.2457	
360 minute winter	S14	7.000	S15	2.8	0.497	0.039	0.0979	
360 minute winter	S16	4.003	S17	15.9	0.599	0.099	0.8105	
360 minute winter	S17	4.004	Pond	19.6	0.748	0.122	0.9121	
360 minute winter	S1 [CP]	3.000	S2 [CP]	8.8	0.576	0.123	1.1917	
360 minute winter	S2 [CP]	3.001	S2a [CP]	11.5	0.505	0.161	0.5707	
360 minute winter	S2a [CP]	3.002	S6	13.5	0.251	0.145	0.5883	



Results for 100 year +20% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.99%

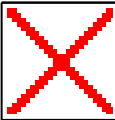
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S18	184	1.977	0.062	6.8	0.0700	0.0000	OK
360 minute winter	S19	184	1.657	0.065	6.8	0.0738	0.0000	OK
360 minute winter	S20	184	1.620	0.073	9.0	0.0823	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	S18	2.000	S19	6.8	0.624	0.095	0.8491	
360 minute winter	S19	2.001	S20	6.8	0.553	0.095	0.1321	
360 minute winter	S20	2.002	S8	8.9	0.691	0.126	0.4453	



Results for 100 year +20% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S1	315	1.787	0.122	31.1	0.2157	0.0000	OK
600 minute summer	S2	315	1.685	0.133	35.4	0.2353	0.0000	OK
600 minute summer	S3	315	1.612	0.143	39.4	0.2534	0.0000	OK
600 minute summer	S4	315	1.558	0.158	50.1	0.2799	0.0000	OK
600 minute summer	S5	315	1.474	0.176	61.5	0.3116	0.0000	OK
600 minute summer	S6	315	1.424	0.234	104.4	0.4139	0.0000	OK
600 minute summer	S8	315	1.438	0.137	31.1	0.2427	0.0000	OK
600 minute summer	S9	315	1.427	0.225	31.1	0.3978	0.0000	OK
600 minute summer	S3 [CP]	315	1.330	0.222	104.4	0.3179	0.0000	OK
600 minute summer	HW1							
600 minute summer	S4 [control]	615	1.326	0.586	5.3	1.0353	0.0000	SURCHARGED
600 minute summer	HW3	315	0.763	0.047	5.0	0.0000	0.0000	OK
600 minute summer	HW2							
600 minute summer	Pond	615	1.326	0.546	121.5	1052.2760	0.0000	SURCHARGED
600 minute summer	S10	315	1.727	0.051	4.4	0.0904	0.0000	OK
600 minute summer	S12	315	1.474	0.062	6.9	0.1103	0.0000	OK
600 minute summer	S11	315	1.673	0.039	2.5	0.0693	0.0000	OK
600 minute summer	S13	315	1.682	0.052	4.5	0.0914	0.0000	OK
600 minute summer	S15	315	1.460	0.094	13.8	0.1669	0.0000	OK
600 minute summer	S14	315	1.626	0.038	2.4	0.0677	0.0000	OK
600 minute summer	S16	315	1.431	0.089	13.8	0.1577	0.0000	OK
600 minute summer	S17	315	1.365	0.099	17.1	0.1744	0.0000	OK
600 minute summer	HW4							
600 minute summer	S1 [CP]	315	1.679	0.066	7.6	0.0938	0.0000	OK
600 minute summer	S2 [CP]	315	1.430	0.091	10.0	0.1302	0.0000	OK
600 minute summer	S2a [CP]	315	1.425	0.157	11.8	0.2250	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S1	1.000	S2	31.1	0.712	0.091	1.9806	
600 minute summer	S2	1.001	S3	35.4	0.723	0.103	1.6191	
600 minute summer	S3	1.002	S4	39.4	0.711	0.115	1.5225	
600 minute summer	S4	1.003	S5	50.1	0.781	0.147	2.6287	
600 minute summer	S5	1.004	S6	61.5	0.722	0.179	3.6752	
600 minute summer	S6	1.005	S3 [CP]	104.4	1.062	0.289	2.8960	
600 minute summer	S8	2.003	S9	31.1	0.443	0.091	2.8601	
600 minute summer	S9	2.004	S6	31.1	0.314	0.090	0.4695	
600 minute summer	S3 [CP]	1.006	Pond	104.4	1.157	0.289	1.0157	
600 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	190.3
600 minute summer	Pond	1.009	S4 [control]	5.3	0.128	0.034	2.7750	
600 minute summer	S10	4.000	S12	4.4	0.568	0.062	0.2129	
600 minute summer	S12	4.001	S15	6.9	0.374	0.043	0.3409	
600 minute summer	S11	5.000	S12	2.5	0.484	0.035	0.0910	
600 minute summer	S13	6.000	S15	4.5	0.572	0.063	0.2166	
600 minute summer	S15	4.002	S16	13.8	0.595	0.086	0.2205	
600 minute summer	S14	7.000	S15	2.4	0.480	0.034	0.0871	
600 minute summer	S16	4.003	S17	13.8	0.576	0.086	0.7311	
600 minute summer	S17	4.004	Pond	17.1	0.720	0.106	0.6417	
600 minute summer	S1 [CP]	3.000	S2 [CP]	7.6	0.566	0.107	0.9733	
600 minute summer	S2 [CP]	3.001	S2a [CP]	10.0	0.499	0.141	0.4752	
600 minute summer	S2a [CP]	3.002	S6	11.8	0.242	0.127	0.5320	

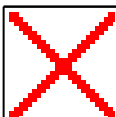


Stafford Infrastructure Eng. 13 Gostwick Orton Brimbles Peterborough PE2 5XF	File: 9059 Cowper's Gate - Final SW layout Network: Terry Stafford 27/01/2025	Page 154
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Results for 100 year +20% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.99%

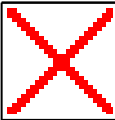
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S18	315	1.972	0.057	5.8	0.0648	0.0000	OK
600 minute summer	S19	315	1.652	0.060	5.8	0.0679	0.0000	OK
600 minute summer	S20	315	1.614	0.067	7.7	0.0763	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S18	2.000	S19	5.8	0.599	0.082	0.7571	
600 minute summer	S19	2.001	S20	5.8	0.532	0.082	0.1179	
600 minute summer	S20	2.002	S8	7.7	0.663	0.108	0.4005	



Results for 100 year +20% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.99%

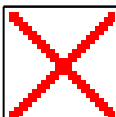
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S1	315	1.771	0.106	23.8	0.1881	0.0000	OK
600 minute winter	S2	315	1.668	0.116	27.1	0.2042	0.0000	OK
600 minute winter	S3	315	1.593	0.124	30.2	0.2187	0.0000	OK
600 minute winter	S4	315	1.537	0.137	38.4	0.2428	0.0000	OK
600 minute winter	S5	315	1.447	0.149	47.1	0.2635	0.0000	OK
600 minute winter	S6	315	1.392	0.202	80.0	0.3567	0.0000	OK
600 minute winter	S8	315	1.408	0.107	23.9	0.1891	0.0000	OK
600 minute winter	S9	315	1.394	0.192	23.9	0.3401	0.0000	OK
600 minute winter	S3 [CP]	600	1.389	0.281	80.0	0.4024	0.0000	OK
600 minute winter	HW1							
600 minute winter	S4 [control]	600	1.389	0.649	18.1	1.1472	0.0000	SURCHARGED
600 minute winter	HW3	300	0.763	0.047	5.0	0.0000	0.0000	OK
600 minute winter	HW2							
600 minute winter	Pond	600	1.389	0.609	93.1	1190.5460	0.0000	SURCHARGED
600 minute winter	S10	315	1.721	0.045	3.4	0.0796	0.0000	OK
600 minute winter	S12	315	1.467	0.055	5.3	0.0973	0.0000	OK
600 minute winter	S11	315	1.668	0.034	1.9	0.0608	0.0000	OK
600 minute winter	S13	315	1.676	0.046	3.5	0.0808	0.0000	OK
600 minute winter	S15	315	1.448	0.082	10.6	0.1455	0.0000	OK
600 minute winter	S14	300	1.621	0.033	1.8	0.0592	0.0000	OK
600 minute winter	S16	315	1.420	0.078	10.6	0.1374	0.0000	OK
600 minute winter	S17	600	1.389	0.123	13.1	0.2176	0.0000	OK
600 minute winter	HW4							
600 minute winter	S1 [CP]	315	1.670	0.057	5.8	0.0821	0.0000	OK
600 minute winter	S2 [CP]	315	1.404	0.065	7.6	0.0937	0.0000	OK
600 minute winter	S2a [CP]	315	1.392	0.124	9.0	0.1779	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S1	1.000	S2	23.8	0.665	0.070	1.6217	
600 minute winter	S2	1.001	S3	27.1	0.680	0.079	1.3181	
600 minute winter	S3	1.002	S4	30.2	0.669	0.088	1.2408	
600 minute winter	S4	1.003	S5	38.4	0.746	0.112	2.1111	
600 minute winter	S5	1.004	S6	47.1	0.687	0.137	2.9627	
600 minute winter	S6	1.005	S3 [CP]	80.0	0.991	0.221	3.1112	
600 minute winter	S8	2.003	S9	23.9	0.438	0.070	2.2054	
600 minute winter	S9	2.004	S6	23.9	0.297	0.069	0.3814	
600 minute winter	S3 [CP]	1.006	Pond	80.0	1.073	0.222	1.3943	
600 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	189.0
600 minute winter	Pond	1.009	S4 [control]	18.1	0.114	0.118	2.7750	
600 minute winter	S10	4.000	S12	3.4	0.530	0.048	0.1764	
600 minute winter	S12	4.001	S15	5.3	0.348	0.033	0.2812	
600 minute winter	S11	5.000	S12	1.9	0.452	0.027	0.0742	
600 minute winter	S13	6.000	S15	3.5	0.535	0.049	0.1800	
600 minute winter	S15	4.002	S16	10.6	0.558	0.066	0.1809	
600 minute winter	S14	7.000	S15	1.8	0.445	0.025	0.0705	
600 minute winter	S16	4.003	S17	10.6	0.536	0.066	0.6698	
600 minute winter	S17	4.004	Pond	13.1	0.666	0.081	1.2960	
600 minute winter	S1 [CP]	3.000	S2 [CP]	5.8	0.561	0.082	0.6865	
600 minute winter	S2 [CP]	3.001	S2a [CP]	7.6	0.498	0.107	0.3337	
600 minute winter	S2a [CP]	3.002	S6	9.0	0.233	0.096	0.4304	



Results for 100 year +20% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.99%

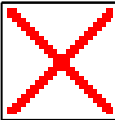
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S18	315	1.966	0.051	4.5	0.0573	0.0000	OK
600 minute winter	S19	315	1.644	0.052	4.5	0.0593	0.0000	OK
600 minute winter	S20	315	1.607	0.060	6.0	0.0673	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S18	2.000	S19	4.5	0.560	0.063	0.6280	
600 minute winter	S19	2.001	S20	4.5	0.497	0.063	0.0978	
600 minute winter	S20	2.002	S8	6.0	0.620	0.084	0.3333	



Results for 100 year +20% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.99%

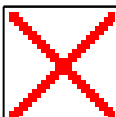
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S1	495	1.768	0.103	22.2	0.1817	0.0000	OK
960 minute summer	S2	495	1.663	0.111	25.2	0.1967	0.0000	OK
960 minute summer	S3	495	1.588	0.119	28.1	0.2102	0.0000	OK
960 minute summer	S4	495	1.532	0.132	35.7	0.2337	0.0000	OK
960 minute summer	S5	495	1.441	0.143	43.8	0.2520	0.0000	OK
960 minute summer	S6	495	1.384	0.194	74.5	0.3430	0.0000	OK
960 minute summer	S8	495	1.402	0.101	22.3	0.1792	0.0000	OK
960 minute summer	S9	495	1.387	0.185	22.3	0.3263	0.0000	OK
960 minute summer	S3 [CP]	975	1.346	0.238	74.5	0.3407	0.0000	OK
960 minute summer	HW1							
960 minute summer	S4 [control]	975	1.346	0.606	5.2	1.0709	0.0000	SURCHARGED
960 minute summer	HW3	495	0.763	0.047	5.0	0.0000	0.0000	OK
960 minute summer	HW2							
960 minute summer	Pond	975	1.346	0.566	86.7	1095.9580	0.0000	SURCHARGED
960 minute summer	S10	495	1.719	0.043	3.1	0.0761	0.0000	OK
960 minute summer	S12	495	1.465	0.053	4.9	0.0938	0.0000	OK
960 minute summer	S11	495	1.668	0.034	1.8	0.0593	0.0000	OK
960 minute summer	S13	495	1.674	0.044	3.2	0.0773	0.0000	OK
960 minute summer	S15	495	1.445	0.079	9.8	0.1396	0.0000	OK
960 minute summer	S14	495	1.621	0.033	1.7	0.0576	0.0000	OK
960 minute summer	S16	495	1.417	0.075	9.8	0.1318	0.0000	OK
960 minute summer	S17	495	1.350	0.084	12.2	0.1481	0.0000	OK
960 minute summer	HW4							
960 minute summer	S1 [CP]	495	1.668	0.055	5.4	0.0792	0.0000	OK
960 minute summer	S2 [CP]	495	1.402	0.063	7.1	0.0906	0.0000	OK
960 minute summer	S2a [CP]	495	1.384	0.116	8.4	0.1666	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S1	1.000	S2	22.2	0.654	0.065	1.5395	
960 minute summer	S2	1.001	S3	25.2	0.668	0.073	1.2468	
960 minute summer	S3	1.002	S4	28.1	0.658	0.082	1.1732	
960 minute summer	S4	1.003	S5	35.7	0.735	0.104	1.9895	
960 minute summer	S5	1.004	S6	43.8	0.677	0.128	2.7968	
960 minute summer	S6	1.005	S3 [CP]	74.5	0.973	0.206	2.3891	
960 minute summer	S8	2.003	S9	22.3	0.436	0.065	2.0692	
960 minute summer	S9	2.004	S6	22.3	0.293	0.065	0.3607	
960 minute summer	S3 [CP]	1.006	Pond	74.5	1.053	0.207	1.1351	
960 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1045	266.7
960 minute summer	Pond	1.009	S4 [control]	5.2	0.107	0.034	2.7750	
960 minute summer	S10	4.000	S12	3.1	0.515	0.044	0.1654	
960 minute summer	S12	4.001	S15	4.9	0.340	0.030	0.2654	
960 minute summer	S11	5.000	S12	1.8	0.444	0.025	0.0714	
960 minute summer	S13	6.000	S15	3.2	0.520	0.045	0.1691	
960 minute summer	S15	4.002	S16	9.8	0.547	0.061	0.1704	
960 minute summer	S14	7.000	S15	1.7	0.437	0.024	0.0677	
960 minute summer	S16	4.003	S17	9.8	0.524	0.061	0.5722	
960 minute summer	S17	4.004	Pond	12.2	0.654	0.076	0.8374	
960 minute summer	S1 [CP]	3.000	S2 [CP]	5.4	0.549	0.076	0.6538	
960 minute summer	S2 [CP]	3.001	S2a [CP]	7.1	0.495	0.100	0.3093	
960 minute summer	S2a [CP]	3.002	S6	8.4	0.230	0.090	0.4054	



Results for 100 year +20% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.99%

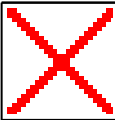
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
960 minute summer	S18	495	1.964	0.049	4.2	0.0554	0.0000	OK
960 minute summer	S19	495	1.643	0.051	4.2	0.0571	0.0000	OK
960 minute summer	S20	495	1.604	0.057	5.6	0.0650	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)	Discharge Vol (m ³)
960 minute summer	S18	2.000	S19	4.2	0.550	0.059	0.5971	
960 minute summer	S19	2.001	S20	4.2	0.489	0.059	0.0930	
960 minute summer	S20	2.002	S8	5.6	0.608	0.079	0.3175	



Results for 100 year +20% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.99%

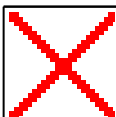
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S1	495	1.753	0.088	16.5	0.1563	0.0000	OK
960 minute winter	S2	495	1.648	0.096	18.8	0.1692	0.0000	OK
960 minute winter	S3	495	1.571	0.102	20.9	0.1795	0.0000	OK
960 minute winter	S4	495	1.513	0.113	26.6	0.2004	0.0000	OK
960 minute winter	S5	495	1.420	0.122	32.6	0.2157	0.0000	OK
960 minute winter	S6	945	1.415	0.225	55.4	0.3975	0.0000	OK
960 minute winter	S8	945	1.415	0.114	16.5	0.2013	0.0000	OK
960 minute winter	S9	945	1.415	0.213	16.5	0.3763	0.0000	OK
960 minute winter	S3 [CP]	945	1.415	0.307	55.4	0.4392	0.0000	OK
960 minute winter	HW1							
960 minute winter	S4 [control]	1050	1.443	0.703	16.9	1.2415	0.0000	SURCHARGED
960 minute winter	HW3	465	0.763	0.047	5.0	0.0000	0.0000	OK
960 minute winter	HW2							
960 minute winter	Pond	945	1.415	0.635	64.5	1247.7940	0.0000	SURCHARGED
960 minute winter	S10	480	1.713	0.037	2.3	0.0660	0.0000	OK
960 minute winter	S12	480	1.458	0.046	3.6	0.0810	0.0000	OK
960 minute winter	S11	480	1.663	0.029	1.3	0.0507	0.0000	OK
960 minute winter	S13	495	1.668	0.038	2.4	0.0674	0.0000	OK
960 minute winter	S15	495	1.434	0.068	7.3	0.1202	0.0000	OK
960 minute winter	S14	480	1.617	0.029	1.3	0.0506	0.0000	OK
960 minute winter	S16	945	1.415	0.073	7.3	0.1289	0.0000	OK
960 minute winter	S17	945	1.415	0.149	9.1	0.2632	0.0000	OK
960 minute winter	HW4							
960 minute winter	S1 [CP]	495	1.661	0.048	4.0	0.0685	0.0000	OK
960 minute winter	S2 [CP]	945	1.415	0.076	5.3	0.1087	0.0000	OK
960 minute winter	S2a [CP]	945	1.415	0.147	6.3	0.2103	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	S1	1.000	S2	16.5	0.605	0.048	1.2379	
960 minute winter	S2	1.001	S3	18.8	0.623	0.055	0.9980	
960 minute winter	S3	1.002	S4	20.9	0.612	0.061	0.9388	
960 minute winter	S4	1.003	S5	26.6	0.683	0.078	1.5957	
960 minute winter	S5	1.004	S6	32.6	0.631	0.095	2.9039	
960 minute winter	S6	1.005	S3 [CP]	55.4	0.902	0.153	3.5560	
960 minute winter	S8	2.003	S9	16.5	0.405	0.048	2.4973	
960 minute winter	S9	2.004	S6	16.5	0.273	0.048	0.4401	
960 minute winter	S3 [CP]	1.006	Pond	55.4	0.971	0.154	1.5496	
960 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	263.6
960 minute winter	Pond	1.009	S4 [control]	16.9	0.109	0.110	2.7750	
960 minute winter	S10	4.000	S12	2.3	0.477	0.032	0.1327	
960 minute winter	S12	4.001	S15	3.6	0.312	0.022	0.2137	
960 minute winter	S11	5.000	S12	1.3	0.401	0.018	0.0571	
960 minute winter	S13	6.000	S15	2.4	0.482	0.034	0.1370	
960 minute winter	S15	4.002	S16	7.3	0.506	0.045	0.1373	
960 minute winter	S14	7.000	S15	1.3	0.402	0.018	0.0563	
960 minute winter	S16	4.003	S17	7.3	0.481	0.046	0.9518	
960 minute winter	S17	4.004	Pond	9.1	0.602	0.057	1.5870	
960 minute winter	S1 [CP]	3.000	S2 [CP]	4.0	0.500	0.056	0.5308	
960 minute winter	S2 [CP]	3.001	S2a [CP]	5.3	0.510	0.074	0.4142	
960 minute winter	S2a [CP]	3.002	S6	6.3	0.228	0.068	0.5020	



Results for 100 year +20% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S18	495	1.957	0.042	3.1	0.0479	0.0000	OK
960 minute winter	S19	495	1.635	0.043	3.1	0.0487	0.0000	OK
960 minute winter	S20	495	1.596	0.049	4.1	0.0558	0.0000	OK

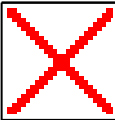
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	S18	2.000	S19	3.1	0.506	0.044	0.4785	
960 minute winter	S19	2.001	S20	3.1	0.453	0.044	0.0742	
960 minute winter	S20	2.002	S8	4.1	0.559	0.058	0.2528	



Results for 100 year +20% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S1	750	1.752	0.087	15.8	0.1529	0.0000	OK
1440 minute summer	S2	750	1.646	0.094	18.0	0.1655	0.0000	OK
1440 minute summer	S3	750	1.568	0.099	20.0	0.1755	0.0000	OK
1440 minute summer	S4	750	1.511	0.111	25.4	0.1956	0.0000	OK
1440 minute summer	S5	750	1.417	0.119	31.2	0.2111	0.0000	OK
1440 minute summer	S6	750	1.351	0.161	53.0	0.2852	0.0000	OK
1440 minute summer	S8	750	1.387	0.086	15.9	0.1521	0.0000	OK
1440 minute summer	S9	750	1.354	0.152	15.9	0.2680	0.0000	OK
1440 minute summer	S3 [CP]	1440	1.348	0.240	53.0	0.3440	0.0000	OK
1440 minute summer	HW1							
1440 minute summer	S4 [control]	1440	1.348	0.608	5.1	1.0749	0.0000	SURCHARGED
1440 minute summer	HW3	720	0.763	0.047	5.0	0.0000	0.0000	OK
1440 minute summer	HW2							
1440 minute summer	Pond	1440	1.348	0.568	61.7	1100.8920	0.0000	SURCHARGED
1440 minute summer	S10	750	1.713	0.037	2.2	0.0647	0.0000	OK
1440 minute summer	S12	750	1.457	0.045	3.5	0.0799	0.0000	OK
1440 minute summer	S11	750	1.663	0.029	1.3	0.0507	0.0000	OK
1440 minute summer	S13	750	1.667	0.037	2.3	0.0660	0.0000	OK
1440 minute summer	S15	750	1.433	0.067	7.0	0.1176	0.0000	OK
1440 minute summer	S14	750	1.616	0.028	1.2	0.0488	0.0000	OK
1440 minute summer	S16	750	1.405	0.063	7.0	0.1114	0.0000	OK
1440 minute summer	S17	1440	1.348	0.082	8.7	0.1456	0.0000	OK
1440 minute summer	HW4							
1440 minute summer	S1 [CP]	750	1.660	0.047	3.8	0.0668	0.0000	OK
1440 minute summer	S2 [CP]	750	1.392	0.053	5.0	0.0763	0.0000	OK
1440 minute summer	S2a [CP]	750	1.351	0.083	5.9	0.1191	0.0000	OK

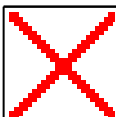
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S1	1.000	S2	15.8	0.598	0.046	1.1987	
1440 minute summer	S2	1.001	S3	18.0	0.616	0.052	0.9658	
1440 minute summer	S3	1.002	S4	20.0	0.606	0.058	0.9074	
1440 minute summer	S4	1.003	S5	25.4	0.674	0.074	1.5439	
1440 minute summer	S5	1.004	S6	31.2	0.623	0.091	2.1665	
1440 minute summer	S6	1.005	S3 [CP]	53.0	0.891	0.147	2.4282	
1440 minute summer	S8	2.003	S9	15.9	0.404	0.046	1.5892	
1440 minute summer	S9	2.004	S6	15.9	0.272	0.046	0.2765	
1440 minute summer	S3 [CP]	1.006	Pond	53.0	0.960	0.147	1.1489	
1440 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1045	365.8
1440 minute summer	Pond	1.009	S4 [control]	5.1	0.103	0.033	2.7750	
1440 minute summer	S10	4.000	S12	2.2	0.471	0.031	0.1284	
1440 minute summer	S12	4.001	S15	3.5	0.310	0.022	0.2081	
1440 minute summer	S11	5.000	S12	1.3	0.401	0.018	0.0571	
1440 minute summer	S13	6.000	S15	2.3	0.477	0.032	0.1327	
1440 minute summer	S15	4.002	S16	7.0	0.500	0.043	0.1332	
1440 minute summer	S14	7.000	S15	1.2	0.394	0.017	0.0531	
1440 minute summer	S16	4.003	S17	7.0	0.475	0.044	0.4505	
1440 minute summer	S17	4.004	Pond	8.7	0.593	0.054	0.8608	
1440 minute summer	S1 [CP]	3.000	S2 [CP]	3.8	0.494	0.053	0.5105	
1440 minute summer	S2 [CP]	3.001	S2a [CP]	5.0	0.502	0.070	0.2089	
1440 minute summer	S2a [CP]	3.002	S6	5.9	0.227	0.063	0.3010	



Results for 100 year +20% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.99%

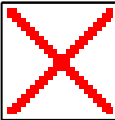
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S18	750	1.957	0.042	3.0	0.0472	0.0000	OK
1440 minute summer	S19	750	1.634	0.042	3.0	0.0478	0.0000	OK
1440 minute summer	S20	750	1.596	0.049	4.0	0.0551	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S18	2.000	S19	3.0	0.502	0.042	0.4670	
1440 minute summer	S19	2.001	S20	3.0	0.447	0.042	0.0727	
1440 minute summer	S20	2.002	S8	4.0	0.555	0.056	0.2482	



Results for 100 year +20% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.99%

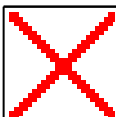
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S1	750	1.740	0.075	11.9	0.1330	0.0000	OK
1440 minute winter	S2	750	1.633	0.081	13.5	0.1433	0.0000	OK
1440 minute winter	S3	750	1.554	0.085	15.0	0.1509	0.0000	OK
1440 minute winter	S4	750	1.496	0.096	19.1	0.1688	0.0000	OK
1440 minute winter	S5	1410	1.425	0.127	23.4	0.2251	0.0000	OK
1440 minute winter	S6	1410	1.425	0.235	39.7	0.4159	0.0000	OK
1440 minute winter	S8	1410	1.425	0.124	11.8	0.2197	0.0000	OK
1440 minute winter	S9	1410	1.425	0.223	11.8	0.3947	0.0000	OK
1440 minute winter	S3 [CP]	1410	1.425	0.317	39.7	0.4541	0.0000	OK
1440 minute winter	HW1							
1440 minute winter	S4 [control]	1530	1.445	0.705	11.7	1.2465	0.0000	SURCHARGED
1440 minute winter	HW3	690	0.763	0.047	5.0	0.0000	0.0000	OK
1440 minute winter	HW2							
1440 minute winter	Pond	1410	1.425	0.645	46.2	1271.0220	0.0000	SURCHARGED
1440 minute winter	S10	750	1.708	0.032	1.7	0.0573	0.0000	OK
1440 minute winter	S12	750	1.451	0.039	2.6	0.0696	0.0000	OK
1440 minute winter	S11	690	1.658	0.024	0.9	0.0429	0.0000	OK
1440 minute winter	S13	720	1.662	0.032	1.7	0.0573	0.0000	OK
1440 minute winter	S15	1410	1.425	0.059	5.2	0.1050	0.0000	OK
1440 minute winter	S14	720	1.612	0.024	0.9	0.0428	0.0000	OK
1440 minute winter	S16	1410	1.425	0.083	5.2	0.1473	0.0000	OK
1440 minute winter	S17	1410	1.425	0.159	6.5	0.2815	0.0000	OK
1440 minute winter	HW4							
1440 minute winter	S1 [CP]	750	1.654	0.041	2.9	0.0586	0.0000	OK
1440 minute winter	S2 [CP]	1410	1.425	0.086	3.8	0.1236	0.0000	OK
1440 minute winter	S2a [CP]	1410	1.425	0.157	4.5	0.2252	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S1	1.000	S2	11.9	0.554	0.035	0.9747	
1440 minute winter	S2	1.001	S3	13.5	0.573	0.039	0.7792	
1440 minute winter	S3	1.002	S4	15.0	0.564	0.044	0.7309	
1440 minute winter	S4	1.003	S5	19.1	0.624	0.056	1.2548	
1440 minute winter	S5	1.004	S6	23.4	0.577	0.068	3.1421	
1440 minute winter	S6	1.005	S3 [CP]	39.7	0.826	0.110	3.7366	
1440 minute winter	S8	2.003	S9	11.8	0.375	0.034	2.7132	
1440 minute winter	S9	2.004	S6	11.8	0.253	0.034	0.4686	
1440 minute winter	S3 [CP]	1.006	Pond	39.7	0.887	0.110	1.6121	
1440 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	362.9
1440 minute winter	Pond	1.009	S4 [control]	11.7	0.105	0.076	2.7750	
1440 minute winter	S10	4.000	S12	1.7	0.439	0.024	0.1066	
1440 minute winter	S12	4.001	S15	2.6	0.285	0.016	0.1681	
1440 minute winter	S11	5.000	S12	0.9	0.369	0.013	0.0429	
1440 minute winter	S13	6.000	S15	1.7	0.439	0.024	0.1066	
1440 minute winter	S15	4.002	S16	5.2	0.459	0.032	0.1545	
1440 minute winter	S14	7.000	S15	0.9	0.370	0.013	0.0424	
1440 minute winter	S16	4.003	S17	5.2	0.433	0.032	1.0734	
1440 minute winter	S17	4.004	Pond	6.5	0.548	0.040	1.7068	
1440 minute winter	S1 [CP]	3.000	S2 [CP]	2.9	0.457	0.041	0.5955	
1440 minute winter	S2 [CP]	3.001	S2a [CP]	3.8	0.500	0.053	0.4646	
1440 minute winter	S2a [CP]	3.002	S6	4.5	0.229	0.048	0.5337	



Results for 100 year +20% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S18	750	1.951	0.036	2.2	0.0408	0.0000	OK
1440 minute winter	S19	750	1.628	0.036	2.2	0.0408	0.0000	OK
1440 minute winter	S20	750	1.589	0.042	2.9	0.0471	0.0000	OK

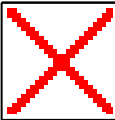
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S18	2.000	S19	2.2	0.460	0.031	0.3738	
1440 minute winter	S19	2.001	S20	2.2	0.413	0.031	0.0578	
1440 minute winter	S20	2.002	S8	2.9	0.505	0.041	0.1977	



Results for 100 year +20% CC 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	S1	1140	1.737	0.072	11.0	0.1279	0.0000	OK
2160 minute summer	S2	1140	1.630	0.078	12.5	0.1380	0.0000	OK
2160 minute summer	S3	1140	1.551	0.082	13.9	0.1450	0.0000	OK
2160 minute summer	S4	1140	1.492	0.092	17.7	0.1623	0.0000	OK
2160 minute summer	S5	1140	1.398	0.100	21.7	0.1768	0.0000	OK
2160 minute summer	S6	1980	1.335	0.145	37.1	0.2568	0.0000	OK
2160 minute summer	S8	1140	1.374	0.073	11.1	0.1281	0.0000	OK
2160 minute summer	S9	1980	1.335	0.133	11.1	0.2356	0.0000	OK
2160 minute summer	S3 [CP]	1980	1.335	0.227	37.1	0.3252	0.0000	OK
2160 minute summer	HW1							
2160 minute summer	S4 [control]	1980	1.335	0.595	5.1	1.0516	0.0000	SURCHARGED
2160 minute summer	HW3	1080	0.763	0.047	5.0	0.0000	0.0000	OK
2160 minute summer	HW2							
2160 minute summer	Pond	1980	1.335	0.555	43.3	1072.2480	0.0000	SURCHARGED
2160 minute summer	S10	1140	1.707	0.031	1.6	0.0557	0.0000	OK
2160 minute summer	S12	1140	1.451	0.039	2.5	0.0683	0.0000	OK
2160 minute summer	S11	1140	1.658	0.024	0.9	0.0429	0.0000	OK
2160 minute summer	S13	1140	1.661	0.031	1.6	0.0557	0.0000	OK
2160 minute summer	S15	1140	1.422	0.056	5.0	0.0995	0.0000	OK
2160 minute summer	S14	1140	1.612	0.024	0.9	0.0428	0.0000	OK
2160 minute summer	S16	1140	1.396	0.054	5.0	0.0949	0.0000	OK
2160 minute summer	S17	1980	1.335	0.069	6.2	0.1224	0.0000	OK
2160 minute summer	HW4							
2160 minute summer	S1 [CP]	1140	1.653	0.040	2.7	0.0567	0.0000	OK
2160 minute summer	S2 [CP]	1140	1.384	0.045	3.6	0.0650	0.0000	OK
2160 minute summer	S2a [CP]	1980	1.335	0.067	4.3	0.0963	0.0000	OK

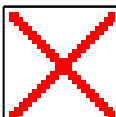
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	S1	1.000	S2	11.0	0.541	0.032	0.9213	
2160 minute summer	S2	1.001	S3	12.5	0.562	0.036	0.7362	
2160 minute summer	S3	1.002	S4	13.9	0.553	0.040	0.6898	
2160 minute summer	S4	1.003	S5	17.7	0.611	0.052	1.1873	
2160 minute summer	S5	1.004	S6	21.7	0.563	0.063	1.6670	
2160 minute summer	S6	1.005	S3 [CP]	37.1	0.812	0.103	2.2134	
2160 minute summer	S8	2.003	S9	11.1	0.372	0.032	1.2042	
2160 minute summer	S9	2.004	S6	11.1	0.251	0.032	0.2344	
2160 minute summer	S3 [CP]	1.006	Pond	37.1	0.871	0.103	1.0705	
2160 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1045	516.6
2160 minute summer	Pond	1.009	S4 [control]	5.1	0.103	0.033	2.7750	
2160 minute summer	S10	4.000	S12	1.6	0.430	0.022	0.1022	
2160 minute summer	S12	4.001	S15	2.5	0.282	0.015	0.1635	
2160 minute summer	S11	5.000	S12	0.9	0.369	0.013	0.0429	
2160 minute summer	S13	6.000	S15	1.6	0.430	0.022	0.1022	
2160 minute summer	S15	4.002	S16	5.0	0.454	0.031	0.1049	
2160 minute summer	S14	7.000	S15	0.9	0.370	0.013	0.0424	
2160 minute summer	S16	4.003	S17	5.0	0.428	0.031	0.3568	
2160 minute summer	S17	4.004	Pond	6.2	0.541	0.039	0.7300	
2160 minute summer	S1 [CP]	3.000	S2 [CP]	2.7	0.444	0.038	0.4034	
2160 minute summer	S2 [CP]	3.001	S2a [CP]	3.6	0.506	0.051	0.1332	
2160 minute summer	S2a [CP]	3.002	S6	4.3	0.227	0.046	0.2516	



Results for 100 year +20% CC 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.99%

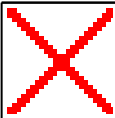
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	S18	1140	1.950	0.035	2.1	0.0399	0.0000	OK
2160 minute summer	S19	1140	1.627	0.035	2.1	0.0398	0.0000	OK
2160 minute summer	S20	1140	1.588	0.041	2.8	0.0463	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	S18	2.000	S19	2.1	0.455	0.030	0.3611	
2160 minute summer	S19	2.001	S20	2.1	0.406	0.030	0.0560	
2160 minute summer	S20	2.002	S8	2.8	0.500	0.039	0.1929	



Results for 100 year +20% CC 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 99.99%

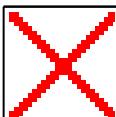
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	S1	1140	1.729	0.064	8.5	0.1132	0.0000	OK
2160 minute winter	S2	1140	1.621	0.069	9.7	0.1218	0.0000	OK
2160 minute winter	S3	1140	1.541	0.072	10.8	0.1277	0.0000	OK
2160 minute winter	S4	1140	1.481	0.081	13.7	0.1424	0.0000	OK
2160 minute winter	S5	2100	1.416	0.118	16.8	0.2088	0.0000	OK
2160 minute winter	S6	2100	1.416	0.226	28.6	0.3996	0.0000	OK
2160 minute winter	S8	2100	1.416	0.115	8.5	0.2035	0.0000	OK
2160 minute winter	S9	2100	1.416	0.214	8.5	0.3784	0.0000	OK
2160 minute winter	S3 [CP]	2100	1.416	0.308	28.6	0.4409	0.0000	OK
2160 minute winter	HW1							
2160 minute winter	S4 [control]	2040	1.446	0.706	19.3	1.2473	0.0000	SURCHARGED
2160 minute winter	HW3	1020	0.763	0.047	5.0	0.0000	0.0000	OK
2160 minute winter	HW2							
2160 minute winter	Pond	2100	1.416	0.636	33.3	1250.2940	0.0000	SURCHARGED
2160 minute winter	S10	1140	1.703	0.027	1.2	0.0486	0.0000	OK
2160 minute winter	S12	1140	1.446	0.034	1.9	0.0601	0.0000	OK
2160 minute winter	S11	1140	1.656	0.022	0.7	0.0383	0.0000	OK
2160 minute winter	S13	1080	1.657	0.027	1.2	0.0486	0.0000	OK
2160 minute winter	S15	2100	1.416	0.050	3.8	0.0887	0.0000	OK
2160 minute winter	S14	1140	1.610	0.022	0.7	0.0382	0.0000	OK
2160 minute winter	S16	2100	1.416	0.074	3.8	0.1310	0.0000	OK
2160 minute winter	S17	2100	1.416	0.150	4.7	0.2652	0.0000	OK
2160 minute winter	HW4							
2160 minute winter	S1 [CP]	1140	1.648	0.035	2.1	0.0503	0.0000	OK
2160 minute winter	S2 [CP]	2100	1.416	0.077	2.8	0.1104	0.0000	OK
2160 minute winter	S2a [CP]	2100	1.416	0.148	3.3	0.2120	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	S1	1.000	S2	8.5	0.502	0.025	0.7681	
2160 minute winter	S2	1.001	S3	9.7	0.524	0.028	0.6123	
2160 minute winter	S3	1.002	S4	10.8	0.519	0.031	0.5716	
2160 minute winter	S4	1.003	S5	13.7	0.569	0.040	0.9870	
2160 minute winter	S5	1.004	S6	16.8	0.526	0.049	2.9306	
2160 minute winter	S6	1.005	S3 [CP]	28.6	0.755	0.079	3.5763	
2160 minute winter	S8	2.003	S9	8.5	0.348	0.025	2.5218	
2160 minute winter	S9	2.004	S6	8.5	0.241	0.025	0.4433	
2160 minute winter	S3 [CP]	1.006	Pond	28.6	0.807	0.079	1.5565	
2160 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1045	514.5
2160 minute winter	Pond	1.009	S4 [control]	19.3	0.122	0.126	2.7750	
2160 minute winter	S10	4.000	S12	1.2	0.396	0.017	0.0836	
2160 minute winter	S12	4.001	S15	1.9	0.260	0.012	0.1345	
2160 minute winter	S11	5.000	S12	0.7	0.348	0.010	0.0356	
2160 minute winter	S13	6.000	S15	1.2	0.396	0.017	0.0836	
2160 minute winter	S15	4.002	S16	3.8	0.419	0.024	0.1267	
2160 minute winter	S14	7.000	S15	0.7	0.349	0.010	0.0351	
2160 minute winter	S16	4.003	S17	3.8	0.394	0.024	0.9653	
2160 minute winter	S17	4.004	Pond	4.7	0.501	0.029	1.6002	
2160 minute winter	S1 [CP]	3.000	S2 [CP]	2.1	0.404	0.030	0.5135	
2160 minute winter	S2 [CP]	3.001	S2a [CP]	2.8	0.507	0.039	0.4199	
2160 minute winter	S2a [CP]	3.002	S6	3.3	0.229	0.035	0.5057	



Results for 100 year +20% CC 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	S18	1140	1.946	0.031	1.6	0.0351	0.0000	OK
2160 minute winter	S19	1140	1.623	0.031	1.6	0.0349	0.0000	OK
2160 minute winter	S20	1140	1.583	0.036	2.1	0.0405	0.0000	OK

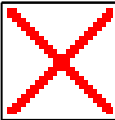
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	S18	2.000	S19	1.6	0.420	0.022	0.2980	
2160 minute winter	S19	2.001	S20	1.6	0.377	0.022	0.0461	
2160 minute winter	S20	2.002	S8	2.1	0.466	0.030	0.1553	



Results for 100 year +20% CC 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S1	1500	1.731	0.066	9.0	0.1164	0.0000	OK
2880 minute summer	S2	1500	1.623	0.071	10.2	0.1248	0.0000	OK
2880 minute summer	S3	1500	1.543	0.074	11.4	0.1312	0.0000	OK
2880 minute summer	S4	1500	1.483	0.083	14.5	0.1465	0.0000	OK
2880 minute summer	S5	1500	1.389	0.091	17.8	0.1606	0.0000	OK
2880 minute summer	S6	2280	1.323	0.133	30.3	0.2347	0.0000	OK
2880 minute summer	S8	1500	1.367	0.066	9.1	0.1169	0.0000	OK
2880 minute summer	S9	2280	1.323	0.121	9.1	0.2135	0.0000	OK
2880 minute summer	S3 [CP]	2280	1.323	0.215	30.3	0.3072	0.0000	OK
2880 minute summer	HW1							
2880 minute summer	S4 [control]	2280	1.323	0.583	5.1	1.0294	0.0000	SURCHARGED
2880 minute summer	HW3	1440	0.763	0.047	5.0	0.0000	0.0000	OK
2880 minute summer	HW2							
2880 minute summer	Pond	2280	1.323	0.543	35.3	1045.0640	0.0000	SURCHARGED
2880 minute summer	S10	1500	1.705	0.029	1.3	0.0504	0.0000	OK
2880 minute summer	S12	1500	1.447	0.035	2.0	0.0615	0.0000	OK
2880 minute summer	S11	1500	1.656	0.022	0.7	0.0383	0.0000	OK
2880 minute summer	S13	1500	1.659	0.029	1.3	0.0504	0.0000	OK
2880 minute summer	S15	1500	1.417	0.051	4.0	0.0893	0.0000	OK
2880 minute summer	S14	1500	1.610	0.022	0.7	0.0382	0.0000	OK
2880 minute summer	S16	1500	1.390	0.048	4.0	0.0855	0.0000	OK
2880 minute summer	S17	2280	1.323	0.057	5.0	0.1002	0.0000	OK
2880 minute summer	HW4							
2880 minute summer	S1 [CP]	1500	1.649	0.036	2.2	0.0514	0.0000	OK
2880 minute summer	S2 [CP]	1500	1.381	0.042	2.9	0.0599	0.0000	OK
2880 minute summer	S2a [CP]	2280	1.323	0.055	3.4	0.0784	0.0000	OK

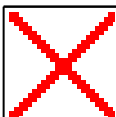
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S1	1.000	S2	9.0	0.512	0.026	0.7975	
2880 minute summer	S2	1.001	S3	10.2	0.530	0.030	0.6359	
2880 minute summer	S3	1.002	S4	11.4	0.527	0.033	0.5957	
2880 minute summer	S4	1.003	S5	14.5	0.578	0.042	1.0285	
2880 minute summer	S5	1.004	S6	17.8	0.535	0.052	1.4406	
2880 minute summer	S6	1.005	S3 [CP]	30.3	0.768	0.084	2.0137	
2880 minute summer	S8	2.003	S9	9.1	0.355	0.027	1.0297	
2880 minute summer	S9	2.004	S6	9.1	0.241	0.026	0.2051	
2880 minute summer	S3 [CP]	1.006	Pond	30.3	0.822	0.084	0.9964	
2880 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1045	672.3
2880 minute summer	Pond	1.009	S4 [control]	5.1	0.102	0.033	2.7750	
2880 minute summer	S10	4.000	S12	1.3	0.403	0.018	0.0887	
2880 minute summer	S12	4.001	S15	2.0	0.264	0.012	0.1397	
2880 minute summer	S11	5.000	S12	0.7	0.348	0.010	0.0356	
2880 minute summer	S13	6.000	S15	1.3	0.403	0.018	0.0887	
2880 minute summer	S15	4.002	S16	4.0	0.426	0.025	0.0895	
2880 minute summer	S14	7.000	S15	0.7	0.349	0.010	0.0351	
2880 minute summer	S16	4.003	S17	4.0	0.398	0.025	0.3072	
2880 minute summer	S17	4.004	Pond	5.0	0.510	0.031	0.6117	
2880 minute summer	S1 [CP]	3.000	S2 [CP]	2.2	0.412	0.031	0.3547	
2880 minute summer	S2 [CP]	3.001	S2a [CP]	2.9	0.494	0.041	0.1014	
2880 minute summer	S2a [CP]	3.002	S6	3.4	0.223	0.036	0.2144	



Results for 100 year +20% CC 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.99%

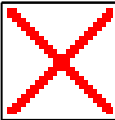
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S18	1500	1.947	0.032	1.7	0.0362	0.0000	OK
2880 minute summer	S19	1500	1.624	0.032	1.7	0.0359	0.0000	OK
2880 minute summer	S20	1500	1.584	0.037	2.3	0.0422	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S18	2.000	S19	1.7	0.427	0.024	0.3109	
2880 minute summer	S19	2.001	S20	1.7	0.379	0.024	0.0486	
2880 minute summer	S20	2.002	S8	2.3	0.477	0.032	0.1662	



Results for 100 year +20% CC 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.99%

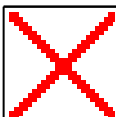
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S1	1500	1.723	0.058	6.8	0.1018	0.0000	OK
2880 minute winter	S2	1500	1.614	0.062	7.7	0.1089	0.0000	OK
2880 minute winter	S3	1500	1.534	0.065	8.6	0.1140	0.0000	OK
2880 minute winter	S4	1500	1.472	0.072	10.9	0.1273	0.0000	OK
2880 minute winter	S5	2700	1.398	0.100	13.4	0.1762	0.0000	OK
2880 minute winter	S6	2700	1.398	0.208	22.8	0.3669	0.0000	OK
2880 minute winter	S8	2700	1.398	0.097	6.8	0.1708	0.0000	OK
2880 minute winter	S9	2700	1.398	0.196	6.8	0.3457	0.0000	OK
2880 minute winter	S3 [CP]	2700	1.398	0.290	22.8	0.4144	0.0000	OK
2880 minute winter	HW1							
2880 minute winter	S4 [control]	2520	1.436	0.696	21.0	1.2301	0.0000	SURCHARGED
2880 minute winter	HW3	1380	0.763	0.047	5.0	0.0000	0.0000	OK
2880 minute winter	HW2							
2880 minute winter	Pond	2700	1.398	0.618	26.5	1209.1180	0.0000	SURCHARGED
2880 minute winter	S10	1500	1.701	0.025	1.0	0.0448	0.0000	OK
2880 minute winter	S12	1500	1.443	0.031	1.5	0.0540	0.0000	OK
2880 minute winter	S11	1320	1.653	0.019	0.5	0.0329	0.0000	OK
2880 minute winter	S13	1500	1.655	0.025	1.0	0.0448	0.0000	OK
2880 minute winter	S15	1500	1.410	0.044	3.0	0.0774	0.0000	OK
2880 minute winter	S14	1380	1.607	0.019	0.5	0.0328	0.0000	OK
2880 minute winter	S16	2700	1.398	0.056	3.0	0.0983	0.0000	OK
2880 minute winter	S17	2700	1.398	0.132	3.7	0.2325	0.0000	OK
2880 minute winter	HW4							
2880 minute winter	S1 [CP]	1500	1.645	0.032	1.7	0.0455	0.0000	OK
2880 minute winter	S2 [CP]	2700	1.398	0.059	2.2	0.0839	0.0000	OK
2880 minute winter	S2a [CP]	2700	1.398	0.130	2.6	0.1855	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S1	1.000	S2	6.8	0.471	0.020	0.6540	
2880 minute winter	S2	1.001	S3	7.7	0.491	0.022	0.5179	
2880 minute winter	S3	1.002	S4	8.6	0.488	0.025	0.4841	
2880 minute winter	S4	1.003	S5	10.9	0.531	0.032	0.8403	
2880 minute winter	S5	1.004	S6	13.4	0.494	0.039	2.5194	
2880 minute winter	S6	1.005	S3 [CP]	22.8	0.711	0.063	3.2562	
2880 minute winter	S8	2.003	S9	6.8	0.338	0.020	2.1483	
2880 minute winter	S9	2.004	S6	6.8	0.234	0.020	0.3933	
2880 minute winter	S3 [CP]	1.006	Pond	22.8	0.764	0.063	1.4448	
2880 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	674.4
2880 minute winter	Pond	1.009	S4 [control]	21.0	0.132	0.137	2.7750	
2880 minute winter	S10	4.000	S12	1.0	0.380	0.014	0.0724	
2880 minute winter	S12	4.001	S15	1.5	0.243	0.009	0.1138	
2880 minute winter	S11	5.000	S12	0.5	0.312	0.007	0.0282	
2880 minute winter	S13	6.000	S15	1.0	0.380	0.014	0.0724	
2880 minute winter	S15	4.002	S16	3.0	0.391	0.019	0.0769	
2880 minute winter	S14	7.000	S15	0.5	0.313	0.007	0.0278	
2880 minute winter	S16	4.003	S17	3.0	0.365	0.019	0.7589	
2880 minute winter	S17	4.004	Pond	3.7	0.461	0.023	1.3897	
2880 minute winter	S1 [CP]	3.000	S2 [CP]	1.7	0.383	0.024	0.3602	
2880 minute winter	S2 [CP]	3.001	S2a [CP]	2.2	0.471	0.031	0.3329	
2880 minute winter	S2a [CP]	3.002	S6	2.6	0.218	0.028	0.4479	



Results for 100 year +20% CC 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S18	1500	1.943	0.028	1.3	0.0318	0.0000	OK
2880 minute winter	S19	1500	1.620	0.028	1.3	0.0316	0.0000	OK
2880 minute winter	S20	1500	1.579	0.032	1.7	0.0367	0.0000	OK

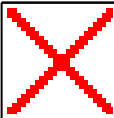
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S18	2.000	S19	1.3	0.394	0.018	0.2575	
2880 minute winter	S19	2.001	S20	1.3	0.353	0.018	0.0398	
2880 minute winter	S20	2.002	S8	1.7	0.438	0.024	0.1336	



Results for 100 year +20% CC 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S1	2940	1.717	0.052	5.4	0.0914	0.0000	OK
5760 minute summer	S2	2940	1.607	0.055	6.1	0.0972	0.0000	OK
5760 minute summer	S3	2940	1.526	0.057	6.8	0.1016	0.0000	OK
5760 minute summer	S4	2940	1.464	0.064	8.6	0.1139	0.0000	OK
5760 minute summer	S5	2940	1.369	0.071	10.6	0.1254	0.0000	OK
5760 minute summer	S6	2940	1.282	0.092	17.9	0.1628	0.0000	OK
5760 minute summer	S8	2940	1.352	0.051	5.3	0.0905	0.0000	OK
5760 minute summer	S9	2940	1.284	0.082	5.3	0.1445	0.0000	OK
5760 minute summer	S3 [CP]	3840	1.257	0.149	17.9	0.2130	0.0000	OK
5760 minute summer	HW1							
5760 minute summer	S4 [control]	3840	1.257	0.517	5.0	0.9130	0.0000	SURCHARGED
5760 minute summer	HW3	2940	0.763	0.047	5.0	0.0000	0.0000	OK
5760 minute summer	HW2							
5760 minute summer	Pond	3840	1.257	0.477	20.9	904.8226	0.0000	SURCHARGED
5760 minute summer	S10	2940	1.699	0.023	0.8	0.0405	0.0000	OK
5760 minute summer	S12	2940	1.440	0.028	1.2	0.0486	0.0000	OK
5760 minute summer	S11	2820	1.651	0.017	0.4	0.0296	0.0000	OK
5760 minute summer	S13	2940	1.653	0.023	0.8	0.0405	0.0000	OK
5760 minute summer	S15	2940	1.405	0.039	2.4	0.0695	0.0000	OK
5760 minute summer	S14	2880	1.605	0.017	0.4	0.0295	0.0000	OK
5760 minute summer	S16	2940	1.380	0.038	2.4	0.0672	0.0000	OK
5760 minute summer	S17	2940	1.310	0.044	3.0	0.0770	0.0000	OK
5760 minute summer	HW4							
5760 minute summer	S1 [CP]	2940	1.641	0.028	1.3	0.0401	0.0000	OK
5760 minute summer	S2 [CP]	2940	1.372	0.033	1.7	0.0466	0.0000	OK
5760 minute summer	S2a [CP]	2940	1.298	0.030	2.0	0.0433	0.0000	OK

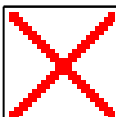
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S1	1.000	S2	5.4	0.442	0.016	0.5541	
5760 minute summer	S2	1.001	S3	6.1	0.461	0.018	0.4375	
5760 minute summer	S3	1.002	S4	6.8	0.456	0.020	0.4098	
5760 minute summer	S4	1.003	S5	8.6	0.495	0.025	0.7134	
5760 minute summer	S5	1.004	S6	10.6	0.463	0.031	0.9888	
5760 minute summer	S6	1.005	S3 [CP]	17.9	0.665	0.050	1.0564	
5760 minute summer	S8	2.003	S9	5.3	0.314	0.015	0.6793	
5760 minute summer	S9	2.004	S6	5.3	0.211	0.015	0.1190	
5760 minute summer	S3 [CP]	1.006	Pond	17.9	0.713	0.050	0.6243	
5760 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	1282.7
5760 minute summer	Pond	1.009	S4 [control]	5.0	0.102	0.033	2.7750	
5760 minute summer	S10	4.000	S12	0.8	0.360	0.011	0.0610	
5760 minute summer	S12	4.001	S15	1.2	0.228	0.007	0.0969	
5760 minute summer	S11	5.000	S12	0.4	0.289	0.006	0.0243	
5760 minute summer	S13	6.000	S15	0.8	0.360	0.011	0.0610	
5760 minute summer	S15	4.002	S16	2.4	0.367	0.015	0.0621	
5760 minute summer	S14	7.000	S15	0.4	0.290	0.006	0.0240	
5760 minute summer	S16	4.003	S17	2.4	0.339	0.015	0.2165	
5760 minute summer	S17	4.004	Pond	3.0	0.440	0.019	0.1875	
5760 minute summer	S1 [CP]	3.000	S2 [CP]	1.3	0.352	0.018	0.2451	
5760 minute summer	S2 [CP]	3.001	S2a [CP]	1.7	0.436	0.024	0.0668	
5760 minute summer	S2a [CP]	3.002	S6	2.0	0.195	0.021	0.1216	



Results for 100 year +20% CC 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 100.00%

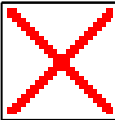
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S18	2940	1.940	0.025	1.0	0.0281	0.0000	OK
5760 minute summer	S19	2940	1.617	0.025	1.0	0.0280	0.0000	OK
5760 minute summer	S20	2940	1.576	0.029	1.3	0.0323	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S18	2.000	S19	1.0	0.364	0.014	0.2146	
5760 minute summer	S19	2.001	S20	1.0	0.329	0.014	0.0330	
5760 minute summer	S20	2.002	S8	1.3	0.403	0.018	0.1112	



Results for 100 year +20% CC 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 100.00%

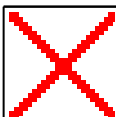
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S1	2940	1.709	0.044	3.9	0.0786	0.0000	OK
5760 minute winter	S2	2940	1.599	0.047	4.4	0.0830	0.0000	OK
5760 minute winter	S3	2940	1.518	0.049	4.9	0.0871	0.0000	OK
5760 minute winter	S4	2940	1.455	0.055	6.2	0.0975	0.0000	OK
5760 minute winter	S5	2940	1.359	0.061	7.6	0.1071	0.0000	OK
5760 minute winter	S6	4200	1.305	0.115	12.8	0.2023	0.0000	OK
5760 minute winter	S8	2880	1.345	0.044	3.8	0.0775	0.0000	OK
5760 minute winter	S9	4200	1.305	0.103	3.8	0.1812	0.0000	OK
5760 minute winter	S3 [CP]	4200	1.304	0.196	12.8	0.2809	0.0000	OK
5760 minute winter	HW1							
5760 minute winter	S4 [control]	4200	1.304	0.564	5.0	0.9970	0.0000	SURCHARGED
5760 minute winter	HW3	2880	0.763	0.047	5.0	0.0000	0.0000	OK
5760 minute winter	HW2							
5760 minute winter	Pond	4200	1.304	0.524	14.9	1005.6150	0.0000	SURCHARGED
5760 minute winter	S10	2580	1.695	0.019	0.5	0.0328	0.0000	OK
5760 minute winter	S12	2580	1.435	0.023	0.8	0.0402	0.0000	OK
5760 minute winter	S11	2520	1.649	0.015	0.3	0.0260	0.0000	OK
5760 minute winter	S13	2880	1.650	0.020	0.6	0.0357	0.0000	OK
5760 minute winter	S15	2880	1.399	0.033	1.7	0.0589	0.0000	OK
5760 minute winter	S14	2580	1.603	0.015	0.3	0.0259	0.0000	OK
5760 minute winter	S16	2880	1.374	0.032	1.7	0.0573	0.0000	OK
5760 minute winter	S17	4200	1.304	0.038	2.1	0.0680	0.0000	OK
5760 minute winter	HW4							
5760 minute winter	S1 [CP]	2700	1.637	0.024	0.9	0.0338	0.0000	OK
5760 minute winter	S2 [CP]	2700	1.367	0.028	1.2	0.0395	0.0000	OK
5760 minute winter	S2a [CP]	4200	1.304	0.036	1.4	0.0522	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S1	1.000	S2	3.9	0.400	0.011	0.4415	
5760 minute winter	S2	1.001	S3	4.4	0.418	0.013	0.3477	
5760 minute winter	S3	1.002	S4	4.9	0.414	0.014	0.3260	
5760 minute winter	S4	1.003	S5	6.2	0.448	0.018	0.5664	
5760 minute winter	S5	1.004	S6	7.6	0.422	0.022	0.9533	
5760 minute winter	S6	1.005	S3 [CP]	12.8	0.606	0.035	1.7302	
5760 minute winter	S8	2.003	S9	3.8	0.295	0.011	0.7116	
5760 minute winter	S9	2.004	S6	3.8	0.201	0.011	0.1641	
5760 minute winter	S3 [CP]	1.006	Pond	12.8	0.655	0.035	0.8895	
5760 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	1329.3
5760 minute winter	Pond	1.009	S4 [control]	5.0	0.102	0.033	2.7750	
5760 minute winter	S10	4.000	S12	0.5	0.313	0.007	0.0440	
5760 minute winter	S12	4.001	S15	0.8	0.203	0.005	0.0750	
5760 minute winter	S11	5.000	S12	0.3	0.268	0.004	0.0200	
5760 minute winter	S13	6.000	S15	0.6	0.332	0.008	0.0498	
5760 minute winter	S15	4.002	S16	1.7	0.331	0.011	0.0489	
5760 minute winter	S14	7.000	S15	0.3	0.268	0.004	0.0197	
5760 minute winter	S16	4.003	S17	1.7	0.303	0.011	0.1710	
5760 minute winter	S17	4.004	Pond	2.1	0.401	0.013	0.4511	
5760 minute winter	S1 [CP]	3.000	S2 [CP]	0.9	0.313	0.013	0.1912	
5760 minute winter	S2 [CP]	3.001	S2a [CP]	1.2	0.395	0.017	0.0542	
5760 minute winter	S2a [CP]	3.002	S6	1.4	0.182	0.015	0.1631	



Results for 100 year +20% CC 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S18	2700	1.936	0.021	0.7	0.0239	0.0000	OK
5760 minute winter	S19	2700	1.613	0.021	0.7	0.0238	0.0000	OK
5760 minute winter	S20	2700	1.571	0.024	0.9	0.0274	0.0000	OK

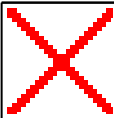
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S18	2.000	S19	0.7	0.326	0.010	0.1679	
5760 minute winter	S19	2.001	S20	0.7	0.292	0.010	0.0259	
5760 minute winter	S20	2.002	S8	0.9	0.370	0.013	0.0838	



Results for 100 year +20% CC 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	S1	3660	1.712	0.047	4.5	0.0839	0.0000	OK
7200 minute summer	S2	3660	1.602	0.050	5.1	0.0891	0.0000	OK
7200 minute summer	S3	3660	1.522	0.053	5.7	0.0936	0.0000	OK
7200 minute summer	S4	3660	1.459	0.059	7.2	0.1046	0.0000	OK
7200 minute summer	S5	3660	1.363	0.065	8.8	0.1150	0.0000	OK
7200 minute summer	S6	3660	1.274	0.084	15.0	0.1490	0.0000	OK
7200 minute summer	S8	3660	1.348	0.047	4.5	0.0838	0.0000	OK
7200 minute summer	S9	3660	1.276	0.074	4.5	0.1307	0.0000	OK
7200 minute summer	S3 [CP]	4620	1.222	0.114	15.0	0.1628	0.0000	OK
7200 minute summer	HW1							
7200 minute summer	S4 [control]	4620	1.222	0.482	5.0	0.8508	0.0000	SURCHARGED
7200 minute summer	HW3	3720	0.763	0.047	5.0	0.0000	0.0000	OK
7200 minute summer	HW2							
7200 minute summer	Pond	4620	1.222	0.442	17.5	831.4896	0.0000	OK
7200 minute summer	S10	3600	1.696	0.020	0.6	0.0357	0.0000	OK
7200 minute summer	S12	3660	1.437	0.025	1.0	0.0446	0.0000	OK
7200 minute summer	S11	3660	1.651	0.017	0.4	0.0296	0.0000	OK
7200 minute summer	S13	3660	1.652	0.022	0.7	0.0382	0.0000	OK
7200 minute summer	S15	3660	1.402	0.036	2.0	0.0636	0.0000	OK
7200 minute summer	S14	3420	1.603	0.015	0.3	0.0259	0.0000	OK
7200 minute summer	S16	3660	1.377	0.035	2.0	0.0617	0.0000	OK
7200 minute summer	S17	3660	1.306	0.040	2.5	0.0710	0.0000	OK
7200 minute summer	HW4							
7200 minute summer	S1 [CP]	3660	1.639	0.026	1.1	0.0371	0.0000	OK
7200 minute summer	S2 [CP]	3660	1.369	0.030	1.4	0.0424	0.0000	OK
7200 minute summer	S2a [CP]	3660	1.296	0.028	1.7	0.0401	0.0000	OK

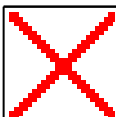
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	S1	1.000	S2	4.5	0.417	0.013	0.4884	
7200 minute summer	S2	1.001	S3	5.1	0.438	0.015	0.3854	
7200 minute summer	S3	1.002	S4	5.7	0.433	0.017	0.3618	
7200 minute summer	S4	1.003	S5	7.2	0.470	0.021	0.6282	
7200 minute summer	S5	1.004	S6	8.8	0.437	0.026	0.8695	
7200 minute summer	S6	1.005	S3 [CP]	15.0	0.632	0.041	0.6990	
7200 minute summer	S8	2.003	S9	4.5	0.304	0.013	0.5937	
7200 minute summer	S9	2.004	S6	4.5	0.206	0.013	0.1038	
7200 minute summer	S3 [CP]	1.006	Pond	15.0	0.680	0.042	0.4432	
7200 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	1568.1
7200 minute summer	Pond	1.009	S4 [control]	5.0	0.101	0.033	2.7688	
7200 minute summer	S10	4.000	S12	0.6	0.332	0.008	0.0498	
7200 minute summer	S12	4.001	S15	1.0	0.217	0.006	0.0854	
7200 minute summer	S11	5.000	S12	0.4	0.289	0.006	0.0243	
7200 minute summer	S13	6.000	S15	0.7	0.349	0.010	0.0555	
7200 minute summer	S15	4.002	S16	2.0	0.347	0.012	0.0548	
7200 minute summer	S14	7.000	S15	0.3	0.268	0.004	0.0197	
7200 minute summer	S16	4.003	S17	2.0	0.320	0.012	0.1912	
7200 minute summer	S17	4.004	Pond	2.5	0.420	0.016	0.1571	
7200 minute summer	S1 [CP]	3.000	S2 [CP]	1.1	0.339	0.015	0.2155	
7200 minute summer	S2 [CP]	3.001	S2a [CP]	1.4	0.408	0.020	0.0589	
7200 minute summer	S2a [CP]	3.002	S6	1.7	0.187	0.018	0.1076	



Results for 100 year +20% CC 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance: 100.00%

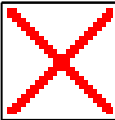
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	S18	3600	1.937	0.022	0.8	0.0254	0.0000	OK
7200 minute summer	S19	3600	1.614	0.022	0.8	0.0252	0.0000	OK
7200 minute summer	S20	3600	1.573	0.026	1.1	0.0299	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	S18	2.000	S19	0.8	0.339	0.011	0.1842	
7200 minute summer	S19	2.001	S20	0.8	0.299	0.011	0.0290	
7200 minute summer	S20	2.002	S8	1.1	0.388	0.015	0.0978	



Results for 100 year +20% CC 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 100.00%

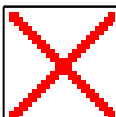
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	S1	3540	1.706	0.041	3.2	0.0719	0.0000	OK
7200 minute winter	S2	3540	1.595	0.043	3.6	0.0757	0.0000	OK
7200 minute winter	S3	3540	1.514	0.045	4.0	0.0793	0.0000	OK
7200 minute winter	S4	3540	1.450	0.050	5.1	0.0890	0.0000	OK
7200 minute winter	S5	3540	1.353	0.055	6.3	0.0981	0.0000	OK
7200 minute winter	S6	3660	1.262	0.072	10.8	0.1269	0.0000	OK
7200 minute winter	S8	3540	1.342	0.041	3.2	0.0718	0.0000	OK
7200 minute winter	S9	3660	1.263	0.061	3.2	0.1083	0.0000	OK
7200 minute winter	S3 [CP]	5040	1.256	0.148	10.8	0.2123	0.0000	OK
7200 minute winter	HW1							
7200 minute winter	S4 [control]	5040	1.256	0.516	5.0	0.9121	0.0000	SURCHARGED
7200 minute winter	HW3	3660	0.763	0.047	5.0	0.0000	0.0000	OK
7200 minute winter	HW2							
7200 minute winter	Pond	5040	1.256	0.476	12.7	903.8005	0.0000	SURCHARGED
7200 minute winter	S10	3600	1.695	0.019	0.5	0.0328	0.0000	OK
7200 minute winter	S12	3600	1.435	0.023	0.8	0.0402	0.0000	OK
7200 minute winter	S11	3540	1.649	0.015	0.3	0.0260	0.0000	OK
7200 minute winter	S13	3480	1.649	0.019	0.5	0.0328	0.0000	OK
7200 minute winter	S15	3660	1.398	0.032	1.6	0.0573	0.0000	OK
7200 minute winter	S14	3660	1.603	0.015	0.3	0.0259	0.0000	OK
7200 minute winter	S16	3660	1.374	0.032	1.6	0.0558	0.0000	OK
7200 minute winter	S17	3660	1.302	0.036	1.9	0.0629	0.0000	OK
7200 minute winter	HW4							
7200 minute winter	S1 [CP]	3480	1.635	0.022	0.8	0.0320	0.0000	OK
7200 minute winter	S2 [CP]	3660	1.365	0.026	1.1	0.0379	0.0000	OK
7200 minute winter	S2a [CP]	3660	1.293	0.025	1.3	0.0354	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	S1	1.000	S2	3.2	0.377	0.009	0.3843	
7200 minute winter	S2	1.001	S3	3.6	0.393	0.010	0.3024	
7200 minute winter	S3	1.002	S4	4.0	0.386	0.012	0.2843	
7200 minute winter	S4	1.003	S5	5.1	0.423	0.015	0.4955	
7200 minute winter	S5	1.004	S6	6.3	0.398	0.018	0.6875	
7200 minute winter	S6	1.005	S3 [CP]	10.8	0.577	0.030	1.0500	
7200 minute winter	S8	2.003	S9	3.2	0.282	0.009	0.4567	
7200 minute winter	S9	2.004	S6	3.2	0.193	0.009	0.0806	
7200 minute winter	S3 [CP]	1.006	Pond	10.8	0.629	0.030	0.6217	
7200 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	1638.2
7200 minute winter	Pond	1.009	S4 [control]	5.0	0.102	0.033	2.7750	
7200 minute winter	S10	4.000	S12	0.5	0.313	0.007	0.0440	
7200 minute winter	S12	4.001	S15	0.8	0.207	0.005	0.0729	
7200 minute winter	S11	5.000	S12	0.3	0.268	0.004	0.0200	
7200 minute winter	S13	6.000	S15	0.5	0.313	0.007	0.0440	
7200 minute winter	S15	4.002	S16	1.6	0.325	0.010	0.0469	
7200 minute winter	S14	7.000	S15	0.3	0.268	0.004	0.0197	
7200 minute winter	S16	4.003	S17	1.6	0.301	0.010	0.1620	
7200 minute winter	S17	4.004	Pond	1.9	0.391	0.012	0.1856	
7200 minute winter	S1 [CP]	3.000	S2 [CP]	0.8	0.309	0.011	0.1780	
7200 minute winter	S2 [CP]	3.001	S2a [CP]	1.1	0.383	0.015	0.0493	
7200 minute winter	S2a [CP]	3.002	S6	1.3	0.178	0.014	0.0864	



Results for 100 year +20% CC 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	S18	3360	1.935	0.020	0.6	0.0223	0.0000	OK
7200 minute winter	S19	3360	1.612	0.020	0.6	0.0222	0.0000	OK
7200 minute winter	S20	3360	1.570	0.023	0.8	0.0260	0.0000	OK

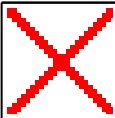
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	S18	2.000	S19	0.6	0.311	0.008	0.1508	
7200 minute winter	S19	2.001	S20	0.6	0.275	0.008	0.0236	
7200 minute winter	S20	2.002	S8	0.8	0.360	0.011	0.0766	



Results for 100 year +20% CC 10080 minute summer. 10320 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	S1	5100	1.707	0.042	3.4	0.0739	0.0000	OK
10080 minute summer	S2	5100	1.596	0.044	3.9	0.0785	0.0000	OK
10080 minute summer	S3	5100	1.515	0.046	4.3	0.0820	0.0000	OK
10080 minute summer	S4	5100	1.452	0.052	5.5	0.0923	0.0000	OK
10080 minute summer	S5	5100	1.355	0.057	6.7	0.1009	0.0000	OK
10080 minute summer	S6	5100	1.264	0.074	11.4	0.1303	0.0000	OK
10080 minute summer	S8	5100	1.343	0.042	3.4	0.0738	0.0000	OK
10080 minute summer	S9	5100	1.265	0.063	3.4	0.1117	0.0000	OK
10080 minute summer	S3 [CP]	5100	1.180	0.072	11.4	0.1035	0.0000	OK
10080 minute summer	HW1							
10080 minute summer	S4 [control]	6180	1.160	0.420	9.4	0.7427	0.0000	OK
10080 minute summer	HW3	5340	0.763	0.047	5.0	0.0000	0.0000	OK
10080 minute summer	HW2							
10080 minute summer	Pond	6180	1.160	0.380	13.4	706.3190	0.0000	OK
10080 minute summer	S10	5040	1.695	0.019	0.5	0.0328	0.0000	OK
10080 minute summer	S12	5040	1.435	0.023	0.8	0.0402	0.0000	OK
10080 minute summer	S11	5040	1.649	0.015	0.3	0.0260	0.0000	OK
10080 minute summer	S13	4980	1.649	0.019	0.5	0.0328	0.0000	OK
10080 minute summer	S15	5040	1.398	0.032	1.6	0.0573	0.0000	OK
10080 minute summer	S14	5040	1.603	0.015	0.3	0.0259	0.0000	OK
10080 minute summer	S16	5040	1.374	0.032	1.6	0.0558	0.0000	OK
10080 minute summer	S17	5040	1.302	0.036	2.0	0.0643	0.0000	OK
10080 minute summer	HW4							
10080 minute summer	S1 [CP]	4980	1.635	0.022	0.8	0.0320	0.0000	OK
10080 minute summer	S2 [CP]	5040	1.365	0.026	1.1	0.0379	0.0000	OK
10080 minute summer	S2a [CP]	5040	1.293	0.025	1.3	0.0354	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	S1	1.000	S2	3.4	0.381	0.010	0.4039	
10080 minute summer	S2	1.001	S3	3.9	0.404	0.011	0.3189	
10080 minute summer	S3	1.002	S4	4.3	0.395	0.013	0.2990	
10080 minute summer	S4	1.003	S5	5.5	0.434	0.016	0.5194	
10080 minute summer	S5	1.004	S6	6.7	0.406	0.020	0.7160	
10080 minute summer	S6	1.005	S3 [CP]	11.4	0.586	0.032	0.5735	
10080 minute summer	S8	2.003	S9	3.4	0.286	0.010	0.4773	
10080 minute summer	S9	2.004	S6	3.4	0.192	0.010	0.0840	
10080 minute summer	S3 [CP]	1.006	Pond	11.4	0.637	0.032	0.1808	
10080 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	1907.8
10080 minute summer	Pond	1.009	S4 [control]	9.4	0.106	0.061	2.6002	
10080 minute summer	S10	4.000	S12	0.5	0.313	0.007	0.0440	
10080 minute summer	S12	4.001	S15	0.8	0.203	0.005	0.0729	
10080 minute summer	S11	5.000	S12	0.3	0.268	0.004	0.0200	
10080 minute summer	S13	6.000	S15	0.5	0.313	0.007	0.0440	
10080 minute summer	S15	4.002	S16	1.6	0.325	0.010	0.0469	
10080 minute summer	S14	7.000	S15	0.3	0.268	0.004	0.0197	
10080 minute summer	S16	4.003	S17	1.6	0.296	0.010	0.1650	
10080 minute summer	S17	4.004	Pond	2.0	0.396	0.012	0.1335	
10080 minute summer	S1 [CP]	3.000	S2 [CP]	0.8	0.309	0.011	0.1780	
10080 minute summer	S2 [CP]	3.001	S2a [CP]	1.1	0.383	0.015	0.0493	
10080 minute summer	S2a [CP]	3.002	S6	1.3	0.175	0.014	0.0891	



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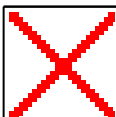
File: 9059 Cowper's Gate - Final SW layout
Network:
Terry Stafford
27/01/2025

Page 182

Results for 100 year +20% CC 10080 minute summer. 10320 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	S18	4920	1.935	0.020	0.6	0.0223	0.0000	OK
10080 minute summer	S19	4920	1.612	0.020	0.6	0.0222	0.0000	OK
10080 minute summer	S20	4920	1.570	0.023	0.8	0.0260	0.0000	OK

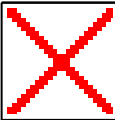
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	S18	2.000	S19	0.6	0.311	0.008	0.1508	
10080 minute summer	S19	2.001	S20	0.6	0.275	0.008	0.0236	
10080 minute summer	S20	2.002	S8	0.8	0.360	0.011	0.0766	



Results for 100 year +20% CC 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	S1	5100	1.701	0.036	2.5	0.0640	0.0000	OK
10080 minute winter	S2	5100	1.590	0.038	2.8	0.0675	0.0000	OK
10080 minute winter	S3	5100	1.509	0.040	3.1	0.0708	0.0000	OK
10080 minute winter	S4	5100	1.444	0.044	3.9	0.0786	0.0000	OK
10080 minute winter	S5	5100	1.347	0.049	4.8	0.0863	0.0000	OK
10080 minute winter	S6	5100	1.253	0.063	8.3	0.1116	0.0000	OK
10080 minute winter	S8	5100	1.338	0.037	2.6	0.0651	0.0000	OK
10080 minute winter	S9	5100	1.255	0.053	2.6	0.0933	0.0000	OK
10080 minute winter	S3 [CP]	5100	1.170	0.062	8.3	0.0893	0.0000	OK
10080 minute winter	HW1							
10080 minute winter	S4 [control]	6660	1.162	0.422	9.3	0.7455	0.0000	OK
10080 minute winter	HW3	5460	0.763	0.047	5.0	0.0000	0.0000	OK
10080 minute winter	HW2							
10080 minute winter	Pond	6660	1.162	0.382	9.7	709.5518	0.0000	OK
10080 minute winter	S10	4140	1.691	0.015	0.3	0.0259	0.0000	OK
10080 minute winter	S12	4260	1.430	0.018	0.5	0.0326	0.0000	OK
10080 minute winter	S11	4260	1.646	0.012	0.2	0.0221	0.0000	OK
10080 minute winter	S13	4980	1.647	0.017	0.4	0.0295	0.0000	OK
10080 minute winter	S15	4980	1.393	0.027	1.1	0.0479	0.0000	OK
10080 minute winter	S14	4320	1.600	0.012	0.2	0.0220	0.0000	OK
10080 minute winter	S16	4980	1.368	0.026	1.1	0.0468	0.0000	OK
10080 minute winter	S17	4980	1.297	0.031	1.4	0.0551	0.0000	OK
10080 minute winter	HW4							
10080 minute winter	S1 [CP]	4740	1.633	0.020	0.6	0.0281	0.0000	OK
10080 minute winter	S2 [CP]	4740	1.362	0.023	0.8	0.0327	0.0000	OK
10080 minute winter	S2a [CP]	4740	1.289	0.021	0.9	0.0299	0.0000	OK

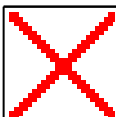
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	S1	1.000	S2	2.5	0.350	0.007	0.3235	
10080 minute winter	S2	1.001	S3	2.8	0.365	0.008	0.2537	
10080 minute winter	S3	1.002	S4	3.1	0.359	0.009	0.2373	
10080 minute winter	S4	1.003	S5	3.9	0.388	0.011	0.4115	
10080 minute winter	S5	1.004	S6	4.8	0.367	0.014	0.5691	
10080 minute winter	S6	1.005	S3 [CP]	8.3	0.533	0.023	0.4585	
10080 minute winter	S8	2.003	S9	2.6	0.275	0.008	0.3755	
10080 minute winter	S9	2.004	S6	2.6	0.188	0.008	0.0656	
10080 minute winter	S3 [CP]	1.006	Pond	8.3	0.578	0.023	0.1834	
10080 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	2151.9
10080 minute winter	Pond	1.009	S4 [control]	9.3	0.102	0.060	2.6078	
10080 minute winter	S10	4.000	S12	0.3	0.268	0.004	0.0311	
10080 minute winter	S12	4.001	S15	0.5	0.184	0.003	0.0545	
10080 minute winter	S11	5.000	S12	0.2	0.267	0.003	0.0133	
10080 minute winter	S13	6.000	S15	0.4	0.290	0.006	0.0379	
10080 minute winter	S15	4.002	S16	1.1	0.290	0.007	0.0360	
10080 minute winter	S14	7.000	S15	0.2	0.268	0.003	0.0131	
10080 minute winter	S16	4.003	S17	1.1	0.262	0.007	0.1292	
10080 minute winter	S17	4.004	Pond	1.4	0.354	0.009	0.1049	
10080 minute winter	S1 [CP]	3.000	S2 [CP]	0.6	0.275	0.008	0.1447	
10080 minute winter	S2 [CP]	3.001	S2a [CP]	0.8	0.351	0.011	0.0391	
10080 minute winter	S2a [CP]	3.002	S6	0.9	0.158	0.010	0.0712	



Results for 100 year +20% CC 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 100.00%

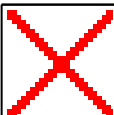
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	S18	4920	1.933	0.018	0.5	0.0204	0.0000	OK
10080 minute winter	S19	4920	1.610	0.018	0.5	0.0203	0.0000	OK
10080 minute winter	S20	5040	1.569	0.022	0.7	0.0245	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	S18	2.000	S19	0.5	0.294	0.007	0.1330	
10080 minute winter	S19	2.001	S20	0.5	0.270	0.007	0.0213	
10080 minute winter	S20	2.002	S8	0.7	0.349	0.010	0.0696	



Results for 100 year +40% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.56%

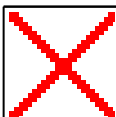
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S1	10	2.736	1.071	292.3	1.8925	22.0681	FLOOD
15 minute summer	S2	10	2.786	1.234	297.1	2.1813	0.0000	FLOOD RISK
15 minute summer	S3	10	2.689	1.220	288.6	2.1560	0.0000	FLOOD RISK
15 minute summer	S4	10	2.720	1.320	322.4	2.3328	0.0000	FLOOD RISK
15 minute summer	S5	10	2.605	1.307	429.8	2.3088	0.0000	FLOOD RISK
15 minute summer	S6	10	2.363	1.173	728.9	2.0721	0.0000	SURCHARGED
15 minute summer	S8	11	2.435	1.134	255.6	2.0039	0.0000	FLOOD RISK
15 minute summer	S9	10	2.386	1.184	254.2	2.0922	0.0000	SURCHARGED
15 minute summer	S3 [CP]	11	1.843	0.735	730.0	1.0516	0.0000	SURCHARGED
15 minute summer	HW1							
15 minute summer	S4 [control]	40	1.046	0.306	14.6	0.5407	0.0000	OK
15 minute summer	HW3	34	0.762	0.046	4.9	0.0000	0.0000	OK
15 minute summer	HW2							
15 minute summer	Pond	30	1.032	0.252	879.0	453.4692	0.0000	OK
15 minute summer	S10	10	1.847	0.171	41.3	0.3014	0.0000	OK
15 minute summer	S12	11	1.723	0.311	63.5	0.5501	0.0000	OK
15 minute summer	S11	10	1.760	0.126	23.3	0.2225	0.0000	OK
15 minute summer	S13	10	1.806	0.176	42.5	0.3108	0.0000	OK
15 minute summer	S15	11	1.712	0.346	123.6	0.6120	0.0000	OK
15 minute summer	S14	11	1.724	0.136	22.7	0.2397	0.0000	OK
15 minute summer	S16	11	1.668	0.326	122.7	0.5757	0.0000	OK
15 minute summer	S17	11	1.586	0.320	151.7	0.5647	0.0000	OK
15 minute summer	HW4							
15 minute summer	S1 [CP]	10	2.530	0.917	71.2	1.3122	4.5994	FLOOD
15 minute summer	S2 [CP]	10	2.471	1.132	76.1	1.6197	0.0000	FLOOD RISK
15 minute summer	S2a [CP]	11	2.406	1.138	81.4	1.6283	0.0000	FLOOD RISK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S1	1.000	S2	259.0	1.116	0.757	12.7625	
15 minute summer	S2	1.001	S3	252.8	1.020	0.736	9.3103	
15 minute summer	S3	1.002	S4	236.3	0.904	0.688	7.7329	
15 minute summer	S4	1.003	S5	322.8	1.146	0.944	11.5375	
15 minute summer	S5	1.004	S6	445.4	1.581	1.298	12.1186	
15 minute summer	S6	1.005	S3 [CP]	730.0	2.592	2.019	8.2974	
15 minute summer	S8	2.003	S9	254.2	0.903	0.741	11.1068	
15 minute summer	S9	2.004	S6	255.2	0.906	0.740	1.3335	
15 minute summer	S3 [CP]	1.006	Pond	729.6	2.592	2.023	2.7740	
15 minute summer	S4 [control]	1.010	HW3	4.9	0.508	0.032	0.1042	71.6
15 minute summer	Pond	1.009	S4 [control]	14.6	0.427	0.095	1.7995	
15 minute summer	S10	4.000	S12	40.5	1.036	0.569	1.0879	
15 minute summer	S12	4.001	S15	61.4	0.508	0.381	2.2610	
15 minute summer	S11	5.000	S12	23.0	0.846	0.325	0.5826	
15 minute summer	S13	6.000	S15	41.9	1.003	0.588	1.2494	
15 minute summer	S15	4.002	S16	122.7	0.975	0.760	1.2074	
15 minute summer	S14	7.000	S15	21.9	0.768	0.308	0.6944	
15 minute summer	S16	4.003	S17	122.0	1.006	0.761	3.7124	
15 minute summer	S17	4.004	Pond	149.4	1.363	0.929	2.9016	
15 minute summer	S1 [CP]	3.000	S2 [CP]	54.5	0.779	0.766	4.6687	
15 minute summer	S2 [CP]	3.001	S2a [CP]	64.1	0.910	0.901	1.2080	
15 minute summer	S2a [CP]	3.002	S6	78.1	1.109	0.837	0.7772	



Results for 100 year +40% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.56%

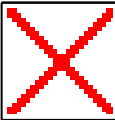
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S18	10	2.600	0.685	55.0	0.7747	4.2238	FLOOD
15 minute summer	S19	11	2.528	0.936	75.2	1.0589	0.0000	FLOOD RISK
15 minute summer	S20	11	2.528	0.981	54.2	1.1092	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S18	2.000	S19	50.9	0.985	0.715	5.5024	
15 minute summer	S19	2.001	S20	48.8	0.723	0.687	0.7610	
15 minute summer	S20	2.002	S8	56.3	0.800	0.792	2.4263	



Results for 100 year +40% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.64%

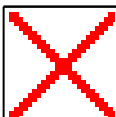
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S1	10	2.736	1.071	307.3	1.8925	26.8426	FLOOD
15 minute winter	S2	11	2.706	1.154	252.8	2.0390	0.0000	FLOOD RISK
15 minute winter	S3	10	2.711	1.242	246.8	2.1949	0.0000	FLOOD RISK
15 minute winter	S4	10	2.657	1.257	317.6	2.2219	0.0000	FLOOD RISK
15 minute winter	S5	10	2.571	1.273	406.3	2.2496	0.0000	FLOOD RISK
15 minute winter	S6	10	2.393	1.203	747.5	2.1255	0.0000	SURCHARGED
15 minute winter	S8	10	2.490	1.189	262.0	2.1015	0.0000	FLOOD RISK
15 minute winter	S9	10	2.425	1.223	262.2	2.1606	0.0000	FLOOD RISK
15 minute winter	S3 [CP]	10	1.859	0.751	749.1	1.0750	0.0000	SURCHARGED
15 minute winter	HW1							
15 minute winter	S4 [control]	45	1.071	0.331	15.4	0.5841	0.0000	OK
15 minute winter	HW3	66	0.763	0.047	5.0	0.0000	0.0000	OK
15 minute winter	HW2							
15 minute winter	Pond	30	1.056	0.276	890.7	500.5568	0.0000	OK
15 minute winter	S10	10	1.852	0.176	43.4	0.3103	0.0000	OK
15 minute winter	S12	11	1.735	0.323	66.4	0.5700	0.0000	OK
15 minute winter	S11	10	1.764	0.130	24.5	0.2297	0.0000	OK
15 minute winter	S13	10	1.812	0.182	44.6	0.3212	0.0000	OK
15 minute winter	S15	11	1.723	0.357	128.8	0.6315	0.0000	OK
15 minute winter	S14	11	1.734	0.146	23.9	0.2588	0.0000	OK
15 minute winter	S16	11	1.678	0.336	127.8	0.5936	0.0000	OK
15 minute winter	S17	11	1.594	0.328	157.8	0.5802	0.0000	OK
15 minute winter	HW4							
15 minute winter	S1 [CP]	10	2.530	0.917	74.8	1.3122	6.4718	FLOOD
15 minute winter	S2 [CP]	10	2.516	1.177	81.5	1.6846	0.0000	FLOOD RISK
15 minute winter	S2a [CP]	10	2.448	1.180	93.3	1.6884	0.0000	FLOOD RISK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S1	1.000	S2	220.0	1.097	0.643	12.7625	
15 minute winter	S2	1.001	S3	224.1	1.006	0.653	9.3103	
15 minute winter	S3	1.002	S4	257.1	0.913	0.749	7.7329	
15 minute winter	S4	1.003	S5	324.2	1.151	0.948	11.5375	
15 minute winter	S5	1.004	S6	414.5	1.472	1.208	12.1186	
15 minute winter	S6	1.005	S3 [CP]	749.1	2.660	2.072	8.2974	
15 minute winter	S8	2.003	S9	262.2	0.931	0.764	11.1068	
15 minute winter	S9	2.004	S6	264.3	0.938	0.766	1.3335	
15 minute winter	S3 [CP]	1.006	Pond	748.6	2.659	2.075	2.7816	
15 minute winter	S4 [control]	1.010	HW3	5.0	0.508	0.033	0.1044	72.4
15 minute winter	Pond	1.009	S4 [control]	15.4	0.434	0.101	1.9798	
15 minute winter	S10	4.000	S12	42.3	1.048	0.594	1.1542	
15 minute winter	S12	4.001	S15	64.0	0.509	0.397	2.3403	
15 minute winter	S11	5.000	S12	24.1	0.817	0.340	0.6240	
15 minute winter	S13	6.000	S15	43.8	1.002	0.615	1.3120	
15 minute winter	S15	4.002	S16	127.8	0.979	0.792	1.2459	
15 minute winter	S14	7.000	S15	22.6	0.768	0.318	0.7495	
15 minute winter	S16	4.003	S17	127.0	1.016	0.792	3.8277	
15 minute winter	S17	4.004	Pond	156.0	1.380	0.970	2.9845	
15 minute winter	S1 [CP]	3.000	S2 [CP]	59.0	0.839	0.830	4.6687	
15 minute winter	S2 [CP]	3.001	S2a [CP]	76.1	1.080	1.069	1.2080	
15 minute winter	S2a [CP]	3.002	S6	82.4	1.171	0.884	0.7772	



Results for 100 year +40% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.64%

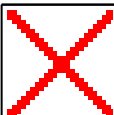
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S18	10	2.600	0.685	57.8	0.7747	4.1378	FLOOD
15 minute winter	S19	10	2.540	0.948	57.4	1.0722	1.9449	FLOOD
15 minute winter	S20	11	2.533	0.986	54.0	1.1147	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S18	2.000	S19	39.1	0.995	0.550	5.5024	
15 minute winter	S19	2.001	S20	48.8	0.717	0.686	0.7610	
15 minute winter	S20	2.002	S8	58.0	0.824	0.816	2.4263	



Results for 100 year +40% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.79%

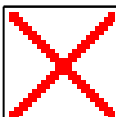
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S1	17	2.736	1.071	263.4	1.8925	13.5272	FLOOD
30 minute summer	S2	17	2.751	1.199	256.2	2.1180	0.0000	FLOOD RISK
30 minute summer	S3	18	2.687	1.218	292.5	2.1523	0.0000	FLOOD RISK
30 minute summer	S4	18	2.645	1.245	321.1	2.1996	0.0000	FLOOD RISK
30 minute summer	S5	18	2.509	1.211	403.3	2.1398	0.0000	FLOOD RISK
30 minute summer	S6	18	2.317	1.127	718.3	1.9918	0.0000	SURCHARGED
30 minute summer	S8	18	2.415	1.114	242.2	1.9680	0.0000	FLOOD RISK
30 minute summer	S9	18	2.344	1.142	243.2	2.0173	0.0000	SURCHARGED
30 minute summer	S3 [CP]	18	1.834	0.726	718.5	1.0384	0.0000	SURCHARGED
30 minute summer	HW1							
30 minute summer	S4 [control]	44	1.119	0.379	11.2	0.6693	0.0000	OK
30 minute summer	HW3	30	0.763	0.047	5.0	0.0000	0.0000	OK
30 minute summer	HW2							
30 minute summer	Pond	44	1.115	0.335	851.4	615.0801	0.0000	OK
30 minute summer	S10	18	1.837	0.161	37.2	0.2845	0.0000	OK
30 minute summer	S12	19	1.702	0.290	58.2	0.5121	0.0000	OK
30 minute summer	S11	18	1.753	0.119	21.0	0.2103	0.0000	OK
30 minute summer	S13	18	1.795	0.165	38.2	0.2916	0.0000	OK
30 minute summer	S15	19	1.692	0.326	114.8	0.5756	0.0000	OK
30 minute summer	S14	18	1.707	0.119	20.5	0.2109	0.0000	OK
30 minute summer	S16	19	1.650	0.308	112.3	0.5434	0.0000	OK
30 minute summer	S17	19	1.570	0.304	138.6	0.5373	0.0000	OK
30 minute summer	HW4							
30 minute summer	S1 [CP]	18	2.530	0.917	64.1	1.3122	2.9938	FLOOD
30 minute summer	S2 [CP]	18	2.455	1.116	78.1	1.5966	0.0000	FLOOD RISK
30 minute summer	S2a [CP]	18	2.378	1.110	86.4	1.5884	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S1	1.000	S2	223.0	1.058	0.652	12.7625	
30 minute summer	S2	1.001	S3	258.6	0.973	0.754	9.3103	
30 minute summer	S3	1.002	S4	255.1	0.906	0.743	7.7329	
30 minute summer	S4	1.003	S5	322.8	1.146	0.945	11.5375	
30 minute summer	S5	1.004	S6	402.3	1.428	1.172	12.1186	
30 minute summer	S6	1.005	S3 [CP]	718.5	2.551	1.987	8.2974	
30 minute summer	S8	2.003	S9	243.2	0.863	0.709	11.1068	
30 minute summer	S9	2.004	S6	243.5	0.865	0.706	1.3335	
30 minute summer	S3 [CP]	1.006	Pond	718.0	2.551	1.990	2.7689	
30 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	75.6
30 minute summer	Pond	1.009	S4 [control]	11.2	0.304	0.073	2.3544	
30 minute summer	S10	4.000	S12	37.2	1.016	0.523	1.0079	
30 minute summer	S12	4.001	S15	56.6	0.494	0.350	2.1050	
30 minute summer	S11	5.000	S12	21.0	0.809	0.297	0.5064	
30 minute summer	S13	6.000	S15	38.1	0.986	0.536	1.1240	
30 minute summer	S15	4.002	S16	112.3	0.951	0.696	1.1336	
30 minute summer	S14	7.000	S15	20.1	0.748	0.283	0.5969	
30 minute summer	S16	4.003	S17	113.1	0.987	0.706	3.5002	
30 minute summer	S17	4.004	Pond	139.3	1.328	0.866	2.7607	
30 minute summer	S1 [CP]	3.000	S2 [CP]	57.6	0.818	0.810	4.6687	
30 minute summer	S2 [CP]	3.001	S2a [CP]	70.8	1.005	0.995	1.2080	
30 minute summer	S2a [CP]	3.002	S6	77.1	1.094	0.826	0.7772	



Results for 100 year +40% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.79%

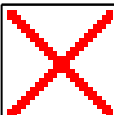
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S18	18	2.600	0.685	49.5	0.7747	1.5557	FLOOD
30 minute summer	S19	18	2.540	0.948	42.2	1.0722	0.0622	FLOOD
30 minute summer	S20	18	2.541	0.994	55.2	1.1238	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S18	2.000	S19	42.2	0.944	0.594	5.5024	
30 minute summer	S19	2.001	S20	46.5	0.697	0.654	0.7610	
30 minute summer	S20	2.002	S8	57.8	0.821	0.813	2.4263	



Results for 100 year +40% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.92%

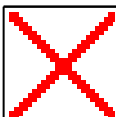
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S1	17	2.736	1.071	238.2	1.8925	11.1161	FLOOD
30 minute winter	S2	17	2.712	1.160	226.3	2.0496	0.0000	FLOOD RISK
30 minute winter	S3	17	2.664	1.195	252.5	2.1109	0.0000	FLOOD RISK
30 minute winter	S4	18	2.616	1.216	345.1	2.1478	0.0000	FLOOD RISK
30 minute winter	S5	18	2.510	1.212	440.8	2.1408	0.0000	FLOOD RISK
30 minute winter	S6	18	2.303	1.113	711.1	1.9662	0.0000	SURCHARGED
30 minute winter	S8	18	2.380	1.079	228.6	1.9064	0.0000	SURCHARGED
30 minute winter	S9	18	2.324	1.122	231.1	1.9831	0.0000	SURCHARGED
30 minute winter	S3 [CP]	18	1.828	0.720	710.9	1.0299	0.0000	SURCHARGED
30 minute winter	HW1							
30 minute winter	S4 [control]	42	1.164	0.424	10.8	0.7492	0.0000	OK
30 minute winter	HW3	26	0.763	0.047	5.0	0.0000	0.0000	OK
30 minute winter	HW2							
30 minute winter	Pond	43	1.157	0.377	835.6	700.4688	0.0000	OK
30 minute winter	S10	18	1.827	0.151	33.6	0.2673	0.0000	OK
30 minute winter	S12	19	1.683	0.271	52.6	0.4789	0.0000	OK
30 minute winter	S11	18	1.746	0.112	19.0	0.1984	0.0000	OK
30 minute winter	S13	18	1.785	0.155	34.6	0.2737	0.0000	OK
30 minute winter	S15	19	1.673	0.307	104.7	0.5424	0.0000	OK
30 minute winter	S14	18	1.698	0.110	18.5	0.1948	0.0000	OK
30 minute winter	S16	19	1.632	0.290	103.3	0.5117	0.0000	OK
30 minute winter	S17	19	1.555	0.289	127.8	0.5100	0.0000	OK
30 minute winter	HW4							
30 minute winter	S1 [CP]	18	2.530	0.917	58.0	1.3122	2.2333	FLOOD
30 minute winter	S2 [CP]	18	2.445	1.106	67.2	1.5822	0.0000	FLOOD RISK
30 minute winter	S2a [CP]	18	2.384	1.116	77.5	1.5973	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	S1	1.000	S2	198.6	1.015	0.581	12.7625	
30 minute winter	S2	1.001	S3	226.5	0.940	0.660	9.3103	
30 minute winter	S3	1.002	S4	263.4	0.935	0.767	7.7329	
30 minute winter	S4	1.003	S5	353.6	1.255	1.035	11.5375	
30 minute winter	S5	1.004	S6	428.3	1.521	1.248	12.1186	
30 minute winter	S6	1.005	S3 [CP]	710.9	2.524	1.966	8.2974	
30 minute winter	S8	2.003	S9	231.1	0.820	0.673	11.1068	
30 minute winter	S9	2.004	S6	231.1	0.820	0.670	1.3335	
30 minute winter	S3 [CP]	1.006	Pond	710.8	2.526	1.971	2.7658	
30 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	75.6
30 minute winter	Pond	1.009	S4 [control]	10.8	0.320	0.070	2.5991	
30 minute winter	S10	4.000	S12	33.6	0.988	0.472	0.9360	
30 minute winter	S12	4.001	S15	51.7	0.483	0.320	1.9600	
30 minute winter	S11	5.000	S12	19.0	0.809	0.268	0.4424	
30 minute winter	S13	6.000	S15	34.6	0.972	0.485	1.0108	
30 minute winter	S15	4.002	S16	103.3	0.932	0.640	1.0608	
30 minute winter	S14	7.000	S15	18.4	0.742	0.259	0.5249	
30 minute winter	S16	4.003	S17	103.8	0.964	0.647	3.2838	
30 minute winter	S17	4.004	Pond	128.0	1.293	0.796	2.6077	
30 minute winter	S1 [CP]	3.000	S2 [CP]	49.7	0.705	0.698	4.6687	
30 minute winter	S2 [CP]	3.001	S2a [CP]	64.1	0.911	0.901	1.2080	
30 minute winter	S2a [CP]	3.002	S6	77.7	1.104	0.833	0.7772	



Results for 100 year +40% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.92%

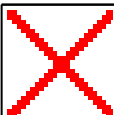
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S18	18	2.600	0.685	44.8	0.7747	0.5848	FLOOD
30 minute winter	S19	18	2.484	0.892	40.4	1.0086	0.0000	FLOOD RISK
30 minute winter	S20	18	2.464	0.917	54.4	1.0370	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	S18	2.000	S19	40.4	0.918	0.567	5.5024	
30 minute winter	S19	2.001	S20	45.0	0.721	0.632	0.7610	
30 minute winter	S20	2.002	S8	55.9	0.795	0.787	2.4263	



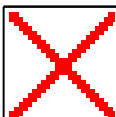
Results for 100 year +40% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S1	34	2.517	0.852	196.2	1.5051	0.0000	FLOOD RISK
60 minute summer	S2	34	2.465	0.913	221.9	1.6132	0.0000	SURCHARGED
60 minute summer	S3	33	2.435	0.966	243.1	1.7069	0.0000	SURCHARGED
60 minute summer	S4	33	2.398	0.998	304.1	1.7629	0.0000	SURCHARGED
60 minute summer	S5	34	2.260	0.962	373.0	1.7004	0.0000	SURCHARGED
60 minute summer	S6	34	2.105	0.915	613.1	1.6174	0.0000	SURCHARGED
60 minute summer	S8	34	2.155	0.854	180.9	1.5094	0.0000	SURCHARGED
60 minute summer	S9	34	2.118	0.916	180.9	1.6192	0.0000	SURCHARGED
60 minute summer	S3 [CP]	34	1.754	0.646	614.4	0.9238	0.0000	SURCHARGED
60 minute summer	HW1							
60 minute summer	S4 [control]	76	1.202	0.462	7.0	0.8168	0.0000	SURCHARGED
60 minute summer	HW3	41	0.763	0.047	5.0	0.0000	0.0000	OK
60 minute summer	HW2							
60 minute summer	Pond	73	1.202	0.422	720.9	791.5168	0.0000	OK
60 minute summer	S10	33	1.811	0.135	27.7	0.2384	0.0000	OK
60 minute summer	S12	34	1.646	0.234	43.3	0.4132	0.0000	OK
60 minute summer	S11	33	1.734	0.100	15.6	0.1762	0.0000	OK
60 minute summer	S13	33	1.767	0.137	28.5	0.2424	0.0000	OK
60 minute summer	S15	34	1.636	0.270	86.6	0.4777	0.0000	OK
60 minute summer	S14	32	1.686	0.098	15.2	0.1734	0.0000	OK
60 minute summer	S16	34	1.597	0.255	85.7	0.4513	0.0000	OK
60 minute summer	S17	34	1.524	0.258	105.8	0.4562	0.0000	OK
60 minute summer	HW4							
60 minute summer	S1 [CP]	34	2.381	0.768	47.7	1.0988	0.0000	FLOOD RISK
60 minute summer	S2 [CP]	34	2.244	0.905	60.9	1.2950	0.0000	FLOOD RISK
60 minute summer	S2a [CP]	34	2.180	0.912	70.9	1.3047	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S1	1.000	S2	195.0	0.990	0.570	12.7625	
60 minute summer	S2	1.001	S3	217.8	0.919	0.635	9.3103	
60 minute summer	S3	1.002	S4	239.7	0.852	0.698	7.7329	
60 minute summer	S4	1.003	S5	305.0	1.083	0.892	11.5375	
60 minute summer	S5	1.004	S6	373.9	1.327	1.090	12.1186	
60 minute summer	S6	1.005	S3 [CP]	614.4	2.181	1.699	8.2974	
60 minute summer	S8	2.003	S9	180.9	0.642	0.527	11.1068	
60 minute summer	S9	2.004	S6	183.6	0.652	0.533	1.3335	
60 minute summer	S3 [CP]	1.006	Pond	614.7	2.210	1.704	2.7090	
60 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	81.0
60 minute summer	Pond	1.009	S4 [control]	7.0	0.269	0.046	2.7400	
60 minute summer	S10	4.000	S12	27.7	0.937	0.389	0.8134	
60 minute summer	S12	4.001	S15	42.8	0.472	0.265	1.6655	
60 minute summer	S11	5.000	S12	15.6	0.791	0.220	0.3472	
60 minute summer	S13	6.000	S15	28.5	0.944	0.400	0.8305	
60 minute summer	S15	4.002	S16	85.7	0.897	0.531	0.9145	
60 minute summer	S14	7.000	S15	15.2	0.740	0.214	0.4017	
60 minute summer	S16	4.003	S17	86.0	0.921	0.537	2.8517	
60 minute summer	S17	4.004	Pond	106.2	1.219	0.660	2.2942	
60 minute summer	S1 [CP]	3.000	S2 [CP]	46.4	0.659	0.653	4.6687	
60 minute summer	S2 [CP]	3.001	S2a [CP]	59.3	0.843	0.834	1.2080	
60 minute summer	S2a [CP]	3.002	S6	69.7	0.990	0.748	0.7772	



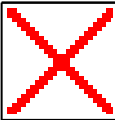
Results for 100 year +40% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S18	35	2.301	0.386	36.9	0.4371	0.0000	FLOOD RISK
60 minute summer	S19	35	2.211	0.619	36.7	0.7002	0.0000	SURCHARGED
60 minute summer	S20	34	2.199	0.652	50.6	0.7376	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S18	2.000	S19	36.7	0.881	0.515	5.5024	
60 minute summer	S19	2.001	S20	43.1	0.713	0.606	0.7610	
60 minute summer	S20	2.002	S8	52.2	0.742	0.734	2.4263	



Results for 100 year +40% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

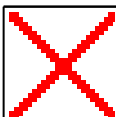
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S1	35	2.137	0.472	158.8	0.8346	0.0000	OK
60 minute winter	S2	35	2.117	0.565	172.8	0.9975	0.0000	OK
60 minute winter	S3	35	2.090	0.621	189.5	1.0978	0.0000	SURCHARGED
60 minute winter	S4	35	2.059	0.659	239.4	1.1637	0.0000	SURCHARGED
60 minute winter	S5	35	1.991	0.693	292.1	1.2248	0.0000	SURCHARGED
60 minute winter	S6	35	1.886	0.696	499.0	1.2304	0.0000	SURCHARGED
60 minute winter	S8	35	1.920	0.619	156.5	1.0939	0.0000	SURCHARGED
60 minute winter	S9	35	1.896	0.694	155.6	1.2258	0.0000	SURCHARGED
60 minute winter	S3 [CP]	35	1.651	0.543	499.0	0.7774	0.0000	OK
60 minute winter	HW1							
60 minute winter	S4 [control]	72	1.249	0.509	6.8	0.9001	0.0000	SURCHARGED
60 minute winter	HW3	40	0.763	0.047	5.0	0.0000	0.0000	OK
60 minute winter	HW2							
60 minute winter	Pond	71	1.249	0.469	584.9	888.9153	0.0000	SURCHARGED
60 minute winter	S10	33	1.795	0.119	22.4	0.2111	0.0000	OK
60 minute winter	S12	34	1.613	0.201	35.1	0.3553	0.0000	OK
60 minute winter	S11	33	1.723	0.089	12.7	0.1577	0.0000	OK
60 minute winter	S13	33	1.752	0.122	23.1	0.2148	0.0000	OK
60 minute winter	S15	34	1.604	0.238	70.3	0.4200	0.0000	OK
60 minute winter	S14	33	1.676	0.088	12.3	0.1551	0.0000	OK
60 minute winter	S16	34	1.566	0.224	70.1	0.3966	0.0000	OK
60 minute winter	S17	34	1.496	0.230	86.8	0.4066	0.0000	OK
60 minute winter	HW4							
60 minute winter	S1 [CP]	34	2.060	0.447	38.6	0.6394	0.0000	SURCHARGED
60 minute winter	S2 [CP]	35	1.979	0.640	50.3	0.9163	0.0000	SURCHARGED
60 minute winter	S2a [CP]	35	1.934	0.666	59.2	0.9528	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S1	1.000	S2	151.0	0.943	0.442	11.6221	
60 minute winter	S2	1.001	S3	171.2	0.893	0.499	9.2006	
60 minute winter	S3	1.002	S4	191.9	0.839	0.559	7.7329	
60 minute winter	S4	1.003	S5	240.1	0.888	0.703	11.5375	
60 minute winter	S5	1.004	S6	292.7	1.039	0.853	12.1186	
60 minute winter	S6	1.005	S3 [CP]	499.0	1.773	1.380	8.1003	
60 minute winter	S8	2.003	S9	155.6	0.609	0.453	11.1068	
60 minute winter	S9	2.004	S6	154.8	0.560	0.449	1.3335	
60 minute winter	S3 [CP]	1.006	Pond	498.8	1.977	1.383	2.5339	
60 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	80.6
60 minute winter	Pond	1.009	S4 [control]	6.8	0.284	0.044	2.7750	
60 minute winter	S10	4.000	S12	22.4	0.884	0.314	0.6969	
60 minute winter	S12	4.001	S15	35.0	0.457	0.217	1.3995	
60 minute winter	S11	5.000	S12	12.7	0.749	0.179	0.2983	
60 minute winter	S13	6.000	S15	23.1	0.891	0.324	0.7128	
60 minute winter	S15	4.002	S16	70.1	0.857	0.434	0.7797	
60 minute winter	S14	7.000	S15	12.3	0.737	0.173	0.2978	
60 minute winter	S16	4.003	S17	70.2	0.875	0.438	2.4493	
60 minute winter	S17	4.004	Pond	86.8	1.147	0.540	1.9954	
60 minute winter	S1 [CP]	3.000	S2 [CP]	38.0	0.594	0.535	4.6687	
60 minute winter	S2 [CP]	3.001	S2a [CP]	49.8	0.707	0.699	1.2080	
60 minute winter	S2a [CP]	3.002	S6	58.5	0.831	0.627	0.7772	



Results for 100 year +40% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

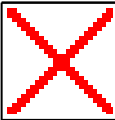
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S18	33	2.049	0.134	29.9	0.1513	0.0000	OK
60 minute winter	S19	35	1.981	0.389	29.9	0.4403	0.0000	SURCHARGED
60 minute winter	S20	35	1.969	0.422	38.0	0.4776	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S18	2.000	S19	29.9	0.849	0.420	3.9373	
60 minute winter	S19	2.001	S20	29.3	0.718	0.412	0.7610	
60 minute winter	S20	2.002	S8	38.4	0.718	0.539	2.4263	



Results for 100 year +40% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S1	64	1.942	0.277	126.2	0.4894	0.0000	OK
120 minute summer	S2	66	1.892	0.340	142.6	0.6002	0.0000	OK
120 minute summer	S3	66	1.864	0.395	155.0	0.6984	0.0000	OK
120 minute summer	S4	66	1.840	0.440	195.0	0.7777	0.0000	OK
120 minute summer	S5	66	1.801	0.503	237.3	0.8888	0.0000	OK
120 minute summer	S6	66	1.746	0.556	397.0	0.9830	0.0000	OK
120 minute summer	S8	66	1.764	0.463	120.8	0.8179	0.0000	OK
120 minute summer	S9	66	1.752	0.550	118.1	0.9719	0.0000	OK
120 minute summer	S3 [CP]	66	1.577	0.469	397.6	0.6708	0.0000	OK
120 minute summer	HW1							
120 minute summer	S4 [control]	130	1.276	0.536	6.3	0.9474	0.0000	SURCHARGED
120 minute summer	HW3	70	0.763	0.047	5.0	0.0000	0.0000	OK
120 minute summer	HW2							
120 minute summer	Pond	130	1.276	0.496	465.6	945.7394	0.0000	SURCHARGED
120 minute summer	S10	64	1.781	0.105	17.8	0.1858	0.0000	OK
120 minute summer	S12	64	1.582	0.170	27.9	0.3006	0.0000	OK
120 minute summer	S11	64	1.713	0.079	10.1	0.1397	0.0000	OK
120 minute summer	S13	64	1.737	0.107	18.3	0.1886	0.0000	OK
120 minute summer	S15	64	1.573	0.207	56.0	0.3653	0.0000	OK
120 minute summer	S14	64	1.666	0.078	9.8	0.1372	0.0000	OK
120 minute summer	S16	64	1.537	0.195	55.9	0.3447	0.0000	OK
120 minute summer	S17	64	1.469	0.203	69.2	0.3580	0.0000	OK
120 minute summer	HW4							
120 minute summer	S1 [CP]	66	1.841	0.228	30.7	0.3268	0.0000	OK
120 minute summer	S2 [CP]	66	1.803	0.464	37.8	0.6646	0.0000	SURCHARGED
120 minute summer	S2a [CP]	66	1.775	0.507	44.7	0.7259	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	S1	1.000	S2	125.3	0.928	0.366	6.5531	
120 minute summer	S2	1.001	S3	138.7	0.876	0.404	5.9726	
120 minute summer	S3	1.002	S4	151.6	0.827	0.441	5.7437	
120 minute summer	S4	1.003	S5	191.3	0.874	0.560	9.7045	
120 minute summer	S5	1.004	S6	234.8	0.897	0.684	11.2915	
120 minute summer	S6	1.005	S3 [CP]	397.6	1.551	1.100	7.4946	
120 minute summer	S8	2.003	S9	118.1	0.554	0.344	9.9345	
120 minute summer	S9	2.004	S6	117.4	0.505	0.340	1.2857	
120 minute summer	S3 [CP]	1.006	Pond	397.8	1.791	1.103	2.2408	
120 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	92.0
120 minute summer	Pond	1.009	S4 [control]	6.3	0.228	0.041	2.7750	
120 minute summer	S10	4.000	S12	17.8	0.832	0.250	0.5887	
120 minute summer	S12	4.001	S15	27.9	0.443	0.173	1.1480	
120 minute summer	S11	5.000	S12	10.1	0.705	0.143	0.2522	
120 minute summer	S13	6.000	S15	18.3	0.838	0.257	0.6007	
120 minute summer	S15	4.002	S16	55.9	0.817	0.346	0.6511	
120 minute summer	S14	7.000	S15	9.8	0.700	0.138	0.2437	
120 minute summer	S16	4.003	S17	55.8	0.826	0.348	2.0605	
120 minute summer	S17	4.004	Pond	68.8	1.069	0.428	1.6968	
120 minute summer	S1 [CP]	3.000	S2 [CP]	28.7	0.607	0.403	4.2419	
120 minute summer	S2 [CP]	3.001	S2a [CP]	37.9	0.538	0.533	1.2080	
120 minute summer	S2a [CP]	3.002	S6	44.8	0.636	0.480	0.7772	



Stafford Infrastructure Eng.
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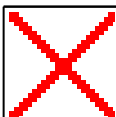
File: 9059 Cowper's Gate - Final SW layout
Network:
Terry Stafford
27/01/2025

Page 198

Results for 100 year +40% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.99%

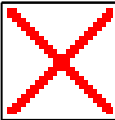
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S18	64	2.033	0.118	23.7	0.1331	0.0000	OK
120 minute summer	S19	66	1.795	0.203	23.7	0.2291	0.0000	OK
120 minute summer	S20	66	1.788	0.241	29.6	0.2723	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	S18	2.000	S19	23.7	0.833	0.333	2.9338	
120 minute summer	S19	2.001	S20	23.3	0.703	0.327	0.6009	
120 minute summer	S20	2.002	S8	31.1	0.724	0.437	2.2572	



Results for 100 year +40% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.98%

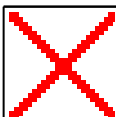
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S1	64	1.896	0.231	97.3	0.4075	0.0000	OK
120 minute winter	S2	64	1.819	0.267	110.6	0.4716	0.0000	OK
120 minute winter	S3	66	1.777	0.308	122.6	0.5440	0.0000	OK
120 minute winter	S4	66	1.747	0.347	155.3	0.6138	0.0000	OK
120 minute winter	S5	66	1.707	0.409	189.9	0.7227	0.0000	OK
120 minute winter	S6	66	1.661	0.471	322.0	0.8330	0.0000	OK
120 minute winter	S8	66	1.677	0.376	96.9	0.6637	0.0000	OK
120 minute winter	S9	66	1.666	0.464	96.1	0.8204	0.0000	OK
120 minute winter	S3 [CP]	66	1.521	0.413	322.1	0.5916	0.0000	OK
120 minute winter	HW1							
120 minute winter	S4 [control]	128	1.330	0.590	5.9	1.0419	0.0000	SURCHARGED
120 minute winter	HW3	68	0.763	0.047	5.0	0.0000	0.0000	OK
120 minute winter	HW2							
120 minute winter	Pond	128	1.330	0.550	375.4	1060.1910	0.0000	SURCHARGED
120 minute winter	S10	64	1.767	0.091	13.7	0.1613	0.0000	OK
120 minute winter	S12	64	1.553	0.141	21.5	0.2489	0.0000	OK
120 minute winter	S11	64	1.703	0.069	7.8	0.1221	0.0000	OK
120 minute winter	S13	64	1.723	0.093	14.1	0.1638	0.0000	OK
120 minute winter	S15	64	1.543	0.177	43.2	0.3135	0.0000	OK
120 minute winter	S14	64	1.656	0.068	7.6	0.1202	0.0000	OK
120 minute winter	S16	64	1.510	0.168	43.2	0.2961	0.0000	OK
120 minute winter	S17	64	1.443	0.177	53.5	0.3121	0.0000	OK
120 minute winter	HW4							
120 minute winter	S1 [CP]	64	1.731	0.118	23.7	0.1685	0.0000	OK
120 minute winter	S2 [CP]	66	1.699	0.360	31.3	0.5153	0.0000	SURCHARGED
120 minute winter	S2a [CP]	66	1.681	0.413	36.8	0.5904	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	S1	1.000	S2	97.3	0.892	0.284	5.0021	
120 minute winter	S2	1.001	S3	110.1	0.856	0.321	4.4031	
120 minute winter	S3	1.002	S4	121.9	0.817	0.355	4.3192	
120 minute winter	S4	1.003	S5	154.6	0.861	0.452	7.6538	
120 minute winter	S5	1.004	S6	189.7	0.856	0.553	9.5119	
120 minute winter	S6	1.005	S3 [CP]	322.1	1.446	0.891	6.5488	
120 minute winter	S8	2.003	S9	96.1	0.510	0.280	8.2734	
120 minute winter	S9	2.004	S6	95.8	0.414	0.278	1.1162	
120 minute winter	S3 [CP]	1.006	Pond	322.2	1.650	0.893	1.9714	
120 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	90.9
120 minute winter	Pond	1.009	S4 [control]	5.9	0.244	0.039	2.7750	
120 minute winter	S10	4.000	S12	13.7	0.775	0.192	0.4860	
120 minute winter	S12	4.001	S15	21.5	0.429	0.133	0.9155	
120 minute winter	S11	5.000	S12	7.8	0.656	0.110	0.2091	
120 minute winter	S13	6.000	S15	14.1	0.781	0.198	0.4963	
120 minute winter	S15	4.002	S16	43.2	0.773	0.267	0.5317	
120 minute winter	S14	7.000	S15	7.6	0.653	0.107	0.2026	
120 minute winter	S16	4.003	S17	43.1	0.774	0.269	1.7006	
120 minute winter	S17	4.004	Pond	53.4	0.993	0.332	1.4184	
120 minute winter	S1 [CP]	3.000	S2 [CP]	23.7	0.601	0.333	3.1840	
120 minute winter	S2 [CP]	3.001	S2a [CP]	31.0	0.546	0.435	1.2080	
120 minute winter	S2a [CP]	3.002	S6	36.7	0.522	0.394	0.7772	



Results for 100 year +40% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.98%

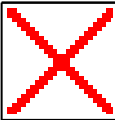
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S18	64	2.018	0.103	18.3	0.1159	0.0000	OK
120 minute winter	S19	66	1.712	0.120	18.3	0.1355	0.0000	OK
120 minute winter	S20	66	1.692	0.145	24.0	0.1636	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	S18	2.000	S19	18.3	0.796	0.257	1.8461	
120 minute winter	S19	2.001	S20	18.1	0.702	0.254	0.3233	
120 minute winter	S20	2.002	S8	23.9	0.724	0.336	1.7345	



Results for 100 year +40% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.99%

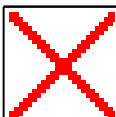
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S1	124	1.865	0.200	77.4	0.3540	0.0000	OK
240 minute summer	S2	124	1.775	0.223	87.5	0.3940	0.0000	OK
240 minute summer	S3	124	1.716	0.247	96.5	0.4373	0.0000	OK
240 minute summer	S4	124	1.676	0.276	122.0	0.4875	0.0000	OK
240 minute summer	S5	128	1.628	0.330	148.8	0.5828	0.0000	OK
240 minute summer	S6	128	1.587	0.397	249.8	0.7013	0.0000	OK
240 minute summer	S8	128	1.600	0.299	77.0	0.5289	0.0000	OK
240 minute summer	S9	128	1.591	0.389	75.4	0.6876	0.0000	OK
240 minute summer	S3 [CP]	128	1.466	0.358	250.9	0.5128	0.0000	OK
240 minute summer	HW1							
240 minute summer	S4 [control]	248	1.341	0.601	5.8	1.0616	0.0000	SURCHARGED
240 minute summer	HW3	128	0.763	0.047	5.0	0.0000	0.0000	OK
240 minute summer	HW2							
240 minute summer	Pond	252	1.341	0.561	292.4	1084.5530	0.0000	SURCHARGED
240 minute summer	S10	124	1.757	0.081	10.9	0.1425	0.0000	OK
240 minute summer	S12	124	1.530	0.118	16.9	0.2079	0.0000	OK
240 minute summer	S11	124	1.695	0.061	6.2	0.1082	0.0000	OK
240 minute summer	S13	124	1.712	0.082	11.2	0.1445	0.0000	OK
240 minute summer	S15	124	1.520	0.154	33.9	0.2717	0.0000	OK
240 minute summer	S14	124	1.648	0.060	6.0	0.1062	0.0000	OK
240 minute summer	S16	124	1.487	0.145	33.7	0.2564	0.0000	OK
240 minute summer	S17	124	1.420	0.154	41.7	0.2727	0.0000	OK
240 minute summer	HW4							
240 minute summer	S1 [CP]	124	1.717	0.104	18.8	0.1482	0.0000	OK
240 minute summer	S2 [CP]	128	1.608	0.269	24.6	0.3850	0.0000	OK
240 minute summer	S2a [CP]	128	1.598	0.330	28.2	0.4728	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	S1	1.000	S2	76.9	0.867	0.225	4.0231	
240 minute summer	S2	1.001	S3	86.5	0.845	0.252	3.3859	
240 minute summer	S3	1.002	S4	95.4	0.811	0.278	3.2400	
240 minute summer	S4	1.003	S5	120.5	0.856	0.353	5.8371	
240 minute summer	S5	1.004	S6	147.2	0.830	0.429	7.6685	
240 minute summer	S6	1.005	S3 [CP]	250.9	1.343	0.694	5.4993	
240 minute summer	S8	2.003	S9	75.4	0.462	0.220	6.5816	
240 minute summer	S9	2.004	S6	74.3	0.383	0.216	0.9259	
240 minute summer	S3 [CP]	1.006	Pond	251.3	1.514	0.697	1.6771	
240 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	115.0
240 minute summer	Pond	1.009	S4 [control]	5.8	0.171	0.038	2.7750	
240 minute summer	S10	4.000	S12	10.8	0.726	0.152	0.4094	
240 minute summer	S12	4.001	S15	16.8	0.418	0.104	0.7364	
240 minute summer	S11	5.000	S12	6.1	0.617	0.087	0.1753	
240 minute summer	S13	6.000	S15	11.1	0.731	0.156	0.4175	
240 minute summer	S15	4.002	S16	33.7	0.733	0.209	0.4373	
240 minute summer	S14	7.000	S15	5.9	0.613	0.084	0.1691	
240 minute summer	S16	4.003	S17	33.5	0.726	0.209	1.4064	
240 minute summer	S17	4.004	Pond	41.2	0.921	0.256	1.1803	
240 minute summer	S1 [CP]	3.000	S2 [CP]	18.6	0.585	0.262	2.8976	
240 minute summer	S2 [CP]	3.001	S2a [CP]	23.9	0.504	0.336	1.1753	
240 minute summer	S2a [CP]	3.002	S6	28.3	0.402	0.303	0.7772	



Results for 100 year +40% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.99%

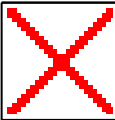
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S18	124	2.006	0.091	14.6	0.1025	0.0000	OK
240 minute summer	S19	124	1.691	0.099	14.4	0.1119	0.0000	OK
240 minute summer	S20	124	1.651	0.104	18.9	0.1177	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	S18	2.000	S19	14.4	0.757	0.203	1.4905	
240 minute summer	S19	2.001	S20	14.2	0.678	0.200	0.2265	
240 minute summer	S20	2.002	S8	18.8	0.721	0.264	1.2059	



Results for 100 year +40% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.99%

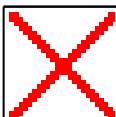
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S1	124	1.835	0.170	57.6	0.2999	0.0000	OK
240 minute winter	S2	124	1.739	0.187	65.4	0.3313	0.0000	OK
240 minute winter	S3	124	1.675	0.206	72.7	0.3632	0.0000	OK
240 minute winter	S4	124	1.628	0.228	92.3	0.4022	0.0000	OK
240 minute winter	S5	128	1.566	0.268	113.2	0.4740	0.0000	OK
240 minute winter	S6	128	1.525	0.335	191.9	0.5925	0.0000	OK
240 minute winter	S8	128	1.538	0.237	57.5	0.4195	0.0000	OK
240 minute winter	S9	128	1.529	0.327	57.3	0.5779	0.0000	OK
240 minute winter	S3 [CP]	128	1.417	0.309	192.0	0.4417	0.0000	OK
240 minute winter	HW1							
240 minute winter	S4 [control]	372	1.430	0.690	20.7	1.2187	0.0000	SURCHARGED
240 minute winter	HW3	124	0.763	0.047	5.0	0.0000	0.0000	OK
240 minute winter	HW2							
240 minute winter	Pond	248	1.401	0.621	223.5	1216.7270	0.0000	SURCHARGED
240 minute winter	S10	124	1.745	0.069	8.1	0.1226	0.0000	OK
240 minute winter	S12	124	1.508	0.096	12.7	0.1695	0.0000	OK
240 minute winter	S11	124	1.687	0.053	4.6	0.0934	0.0000	OK
240 minute winter	S13	124	1.701	0.071	8.4	0.1248	0.0000	OK
240 minute winter	S15	124	1.497	0.131	25.5	0.2323	0.0000	OK
240 minute winter	S14	124	1.640	0.052	4.5	0.0921	0.0000	OK
240 minute winter	S16	124	1.466	0.124	25.5	0.2195	0.0000	OK
240 minute winter	S17	248	1.401	0.135	31.5	0.2385	0.0000	OK
240 minute winter	HW4							
240 minute winter	S1 [CP]	124	1.702	0.089	14.0	0.1275	0.0000	OK
240 minute winter	S2 [CP]	128	1.536	0.197	18.5	0.2816	0.0000	OK
240 minute winter	S2a [CP]	128	1.531	0.263	21.7	0.3762	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	S1	1.000	S2	57.5	0.819	0.168	3.1837	
240 minute winter	S2	1.001	S3	65.3	0.814	0.190	2.6511	
240 minute winter	S3	1.002	S4	72.5	0.792	0.211	2.5156	
240 minute winter	S4	1.003	S5	92.1	0.839	0.270	4.4999	
240 minute winter	S5	1.004	S6	112.9	0.797	0.329	6.1058	
240 minute winter	S6	1.005	S3 [CP]	192.0	1.247	0.531	4.5364	
240 minute winter	S8	2.003	S9	57.3	0.454	0.167	5.1399	
240 minute winter	S9	2.004	S6	57.2	0.373	0.166	0.7550	
240 minute winter	S3 [CP]	1.006	Pond	192.1	1.388	0.533	1.4655	
240 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	111.5
240 minute winter	Pond	1.009	S4 [control]	20.7	0.194	0.135	2.7750	
240 minute winter	S10	4.000	S12	8.1	0.670	0.113	0.3317	
240 minute winter	S12	4.001	S15	12.6	0.403	0.078	0.5757	
240 minute winter	S11	5.000	S12	4.6	0.569	0.065	0.1418	
240 minute winter	S13	6.000	S15	8.4	0.677	0.117	0.3400	
240 minute winter	S15	4.002	S16	25.5	0.688	0.158	0.3522	
240 minute winter	S14	7.000	S15	4.5	0.567	0.063	0.1377	
240 minute winter	S16	4.003	S17	25.4	0.677	0.158	1.1455	
240 minute winter	S17	4.004	Pond	31.4	0.854	0.195	1.4283	
240 minute winter	S1 [CP]	3.000	S2 [CP]	14.0	0.582	0.196	2.1994	
240 minute winter	S2 [CP]	3.001	S2a [CP]	18.3	0.503	0.257	0.9814	
240 minute winter	S2a [CP]	3.002	S6	21.7	0.309	0.233	0.7498	



Results for 100 year +40% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.99%

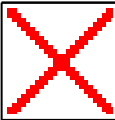
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S18	124	1.993	0.078	10.8	0.0883	0.0000	OK
240 minute winter	S19	124	1.676	0.084	10.8	0.0954	0.0000	OK
240 minute winter	S20	128	1.637	0.090	14.3	0.1019	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	S18	2.000	S19	10.8	0.701	0.152	1.2021	
240 minute winter	S19	2.001	S20	10.8	0.633	0.151	0.1836	
240 minute winter	S20	2.002	S8	14.2	0.717	0.200	0.8275	



Results for 100 year +40% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.99%

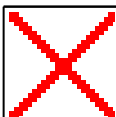
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S1	184	1.835	0.170	57.7	0.2999	0.0000	OK
360 minute summer	S2	184	1.738	0.186	65.2	0.3292	0.0000	OK
360 minute summer	S3	184	1.672	0.203	71.9	0.3589	0.0000	OK
360 minute summer	S4	184	1.624	0.224	91.0	0.3962	0.0000	OK
360 minute summer	S5	184	1.560	0.262	111.2	0.4629	0.0000	OK
360 minute summer	S6	184	1.517	0.327	185.8	0.5785	0.0000	OK
360 minute summer	S8	184	1.531	0.230	57.5	0.4065	0.0000	OK
360 minute summer	S9	184	1.521	0.319	56.4	0.5640	0.0000	OK
360 minute summer	S3 [CP]	184	1.409	0.301	184.3	0.4312	0.0000	OK
360 minute summer	HW1							
360 minute summer	S4 [control]	368	1.374	0.634	6.3	1.1195	0.0000	SURCHARGED
360 minute summer	HW3	184	0.763	0.047	5.0	0.0000	0.0000	OK
360 minute summer	HW2							
360 minute summer	Pond	368	1.374	0.594	214.1	1156.1640	0.0000	SURCHARGED
360 minute summer	S10	184	1.745	0.069	8.1	0.1221	0.0000	OK
360 minute summer	S12	184	1.507	0.095	12.6	0.1677	0.0000	OK
360 minute summer	S11	184	1.687	0.053	4.6	0.0931	0.0000	OK
360 minute summer	S13	184	1.700	0.070	8.4	0.1244	0.0000	OK
360 minute summer	S15	184	1.496	0.130	25.2	0.2303	0.0000	OK
360 minute summer	S14	184	1.640	0.052	4.5	0.0919	0.0000	OK
360 minute summer	S16	184	1.465	0.123	25.1	0.2173	0.0000	OK
360 minute summer	S17	184	1.398	0.132	31.0	0.2340	0.0000	OK
360 minute summer	HW4							
360 minute summer	S1 [CP]	184	1.702	0.089	14.1	0.1274	0.0000	OK
360 minute summer	S2 [CP]	184	1.527	0.188	18.4	0.2688	0.0000	OK
360 minute summer	S2a [CP]	184	1.522	0.254	21.0	0.3637	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	S1	1.000	S2	57.3	0.820	0.168	3.1682	
360 minute summer	S2	1.001	S3	64.5	0.815	0.188	2.6175	
360 minute summer	S3	1.002	S4	71.2	0.792	0.207	2.4697	
360 minute summer	S4	1.003	S5	90.1	0.842	0.264	4.3860	
360 minute summer	S5	1.004	S6	109.7	0.797	0.320	5.9243	
360 minute summer	S6	1.005	S3 [CP]	184.3	1.234	0.510	4.4020	
360 minute summer	S8	2.003	S9	56.4	0.451	0.164	4.9626	
360 minute summer	S9	2.004	S6	55.5	0.359	0.161	0.7327	
360 minute summer	S3 [CP]	1.006	Pond	183.5	1.368	0.509	1.3562	
360 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1045	138.2
360 minute summer	Pond	1.009	S4 [control]	6.3	0.165	0.041	2.7750	
360 minute summer	S10	4.000	S12	8.0	0.668	0.112	0.3299	
360 minute summer	S12	4.001	S15	12.5	0.403	0.077	0.5683	
360 minute summer	S11	5.000	S12	4.6	0.568	0.064	0.1412	
360 minute summer	S13	6.000	S15	8.3	0.675	0.117	0.3384	
360 minute summer	S15	4.002	S16	25.1	0.686	0.155	0.3476	
360 minute summer	S14	7.000	S15	4.5	0.566	0.063	0.1371	
360 minute summer	S16	4.003	S17	24.9	0.673	0.155	1.1281	
360 minute summer	S17	4.004	Pond	30.6	0.846	0.190	1.1246	
360 minute summer	S1 [CP]	3.000	S2 [CP]	14.0	0.582	0.196	2.1180	
360 minute summer	S2 [CP]	3.001	S2a [CP]	17.6	0.505	0.247	0.9439	
360 minute summer	S2a [CP]	3.002	S6	20.7	0.296	0.222	0.7398	



Results for 100 year +40% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.99%

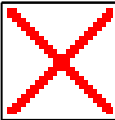
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S18	184	1.993	0.078	10.9	0.0883	0.0000	OK
360 minute summer	S19	184	1.676	0.084	10.8	0.0947	0.0000	OK
360 minute summer	S20	184	1.636	0.089	14.1	0.1009	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	S18	2.000	S19	10.8	0.705	0.151	1.1950	
360 minute summer	S19	2.001	S20	10.6	0.631	0.149	0.1815	
360 minute summer	S20	2.002	S8	14.0	0.706	0.197	0.7860	



Results for 100 year +40% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.99%

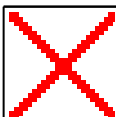
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S1	184	1.808	0.143	42.0	0.2528	0.0000	OK
360 minute winter	S2	184	1.709	0.157	47.7	0.2767	0.0000	OK
360 minute winter	S3	184	1.639	0.170	53.0	0.2999	0.0000	OK
360 minute winter	S4	184	1.587	0.187	67.3	0.3306	0.0000	OK
360 minute winter	S5	184	1.512	0.214	82.6	0.3786	0.0000	OK
360 minute winter	S6	184	1.467	0.277	140.0	0.4898	0.0000	OK
360 minute winter	S8	184	1.480	0.179	42.0	0.3171	0.0000	OK
360 minute winter	S9	184	1.470	0.268	41.9	0.4744	0.0000	OK
360 minute winter	S3 [CP]	368	1.439	0.331	139.7	0.4733	0.0000	OK
360 minute winter	HW1							
360 minute winter	S4 [control]	368	1.439	0.699	5.4	1.2345	0.0000	SURCHARGED
360 minute winter	HW3	176	0.763	0.047	5.0	0.0000	0.0000	OK
360 minute winter	HW2							
360 minute winter	Pond	368	1.439	0.659	162.6	1301.2090	0.0000	SURCHARGED
360 minute winter	S10	184	1.735	0.059	5.9	0.1044	0.0000	OK
360 minute winter	S12	184	1.489	0.077	9.3	0.1352	0.0000	OK
360 minute winter	S11	184	1.679	0.045	3.4	0.0804	0.0000	OK
360 minute winter	S13	184	1.690	0.060	6.1	0.1061	0.0000	OK
360 minute winter	S15	184	1.477	0.111	18.6	0.1959	0.0000	OK
360 minute winter	S14	184	1.633	0.045	3.3	0.0790	0.0000	OK
360 minute winter	S16	184	1.447	0.105	18.6	0.1852	0.0000	OK
360 minute winter	S17	368	1.439	0.173	23.1	0.3052	0.0000	OK
360 minute winter	HW4							
360 minute winter	S1 [CP]	184	1.689	0.076	10.2	0.1086	0.0000	OK
360 minute winter	S2 [CP]	184	1.473	0.134	13.5	0.1923	0.0000	OK
360 minute winter	S2a [CP]	184	1.469	0.201	15.9	0.2880	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	S1	1.000	S2	41.9	0.764	0.123	2.4878	
360 minute winter	S2	1.001	S3	47.6	0.770	0.139	2.0465	
360 minute winter	S3	1.002	S4	52.9	0.755	0.154	1.9259	
360 minute winter	S4	1.003	S5	67.2	0.815	0.197	3.3826	
360 minute winter	S5	1.004	S6	82.4	0.759	0.240	4.6788	
360 minute winter	S6	1.005	S3 [CP]	139.7	1.146	0.387	3.9697	
360 minute winter	S8	2.003	S9	41.9	0.446	0.122	3.8001	
360 minute winter	S9	2.004	S6	41.8	0.335	0.121	0.5900	
360 minute winter	S3 [CP]	1.006	Pond	139.6	1.259	0.387	1.6924	
360 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	133.1
360 minute winter	Pond	1.009	S4 [control]	5.4	0.150	0.035	2.7750	
360 minute winter	S10	4.000	S12	5.9	0.616	0.083	0.2631	
360 minute winter	S12	4.001	S15	9.3	0.389	0.057	0.4387	
360 minute winter	S11	5.000	S12	3.4	0.526	0.048	0.1135	
360 minute winter	S13	6.000	S15	6.1	0.622	0.085	0.2692	
360 minute winter	S15	4.002	S16	18.6	0.640	0.115	0.2771	
360 minute winter	S14	7.000	S15	3.3	0.522	0.046	0.1098	
360 minute winter	S16	4.003	S17	18.6	0.624	0.116	1.2346	
360 minute winter	S17	4.004	Pond	23.0	0.783	0.143	1.8625	
360 minute winter	S1 [CP]	3.000	S2 [CP]	10.2	0.569	0.143	1.4757	
360 minute winter	S2 [CP]	3.001	S2a [CP]	13.4	0.498	0.188	0.6929	
360 minute winter	S2a [CP]	3.002	S6	15.8	0.263	0.169	0.6526	



Results for 100 year +40% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.99%

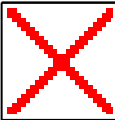
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S18	184	1.982	0.067	7.9	0.0754	0.0000	OK
360 minute winter	S19	184	1.663	0.071	7.9	0.0802	0.0000	OK
360 minute winter	S20	184	1.626	0.079	10.5	0.0891	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	S18	2.000	S19	7.9	0.648	0.111	0.9504	
360 minute winter	S19	2.001	S20	7.9	0.573	0.110	0.1482	
360 minute winter	S20	2.002	S8	10.4	0.720	0.147	0.4988	



Results for 100 year +40% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.99%

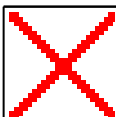
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S1	315	1.797	0.132	36.3	0.2340	0.0000	OK
600 minute summer	S2	315	1.697	0.145	41.3	0.2558	0.0000	OK
600 minute summer	S3	315	1.625	0.156	46.0	0.2765	0.0000	OK
600 minute summer	S4	315	1.573	0.173	58.5	0.3051	0.0000	OK
600 minute summer	S5	315	1.493	0.195	71.8	0.3448	0.0000	OK
600 minute summer	S6	315	1.446	0.256	121.9	0.4522	0.0000	OK
600 minute summer	S8	315	1.459	0.158	36.3	0.2799	0.0000	OK
600 minute summer	S9	315	1.449	0.247	36.3	0.4364	0.0000	OK
600 minute summer	S3 [CP]	615	1.412	0.304	121.9	0.4350	0.0000	OK
600 minute summer	HW1							
600 minute summer	S4 [control]	615	1.425	0.685	20.9	1.2111	0.0000	SURCHARGED
600 minute summer	HW3	300	0.763	0.047	5.0	0.0000	0.0000	OK
600 minute summer	HW2							
600 minute summer	Pond	615	1.412	0.632	141.9	1241.2330	0.0000	SURCHARGED
600 minute summer	S10	315	1.731	0.055	5.1	0.0972	0.0000	OK
600 minute summer	S12	315	1.481	0.069	8.0	0.1217	0.0000	OK
600 minute summer	S11	315	1.676	0.042	2.9	0.0744	0.0000	OK
600 minute summer	S13	315	1.686	0.056	5.3	0.0990	0.0000	OK
600 minute summer	S15	315	1.469	0.103	16.1	0.1811	0.0000	OK
600 minute summer	S14	315	1.629	0.041	2.8	0.0729	0.0000	OK
600 minute summer	S16	315	1.439	0.097	16.1	0.1712	0.0000	OK
600 minute summer	S17	615	1.412	0.146	20.0	0.2579	0.0000	OK
600 minute summer	HW4							
600 minute summer	S1 [CP]	315	1.683	0.070	8.8	0.1009	0.0000	OK
600 minute summer	S2 [CP]	315	1.452	0.113	11.6	0.1611	0.0000	OK
600 minute summer	S2a [CP]	315	1.447	0.179	13.8	0.2567	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S1	1.000	S2	36.3	0.739	0.106	2.2266	
600 minute summer	S2	1.001	S3	41.3	0.747	0.120	1.8281	
600 minute summer	S3	1.002	S4	46.0	0.734	0.134	1.7204	
600 minute summer	S4	1.003	S5	58.5	0.800	0.171	2.9979	
600 minute summer	S5	1.004	S6	71.8	0.742	0.209	4.1732	
600 minute summer	S6	1.005	S3 [CP]	121.9	1.106	0.337	3.5018	
600 minute summer	S8	2.003	S9	36.3	0.443	0.106	3.3254	
600 minute summer	S9	2.004	S6	36.3	0.324	0.105	0.5300	
600 minute summer	S3 [CP]	1.006	Pond	121.9	1.211	0.338	1.5318	
600 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1045	183.7
600 minute summer	Pond	1.009	S4 [control]	20.9	0.148	0.136	2.7750	
600 minute summer	S10	4.000	S12	5.1	0.590	0.072	0.2377	
600 minute summer	S12	4.001	S15	8.0	0.381	0.050	0.3865	
600 minute summer	S11	5.000	S12	2.9	0.501	0.041	0.1018	
600 minute summer	S13	6.000	S15	5.3	0.597	0.074	0.2442	
600 minute summer	S15	4.002	S16	16.1	0.618	0.100	0.2479	
600 minute summer	S14	7.000	S15	2.8	0.497	0.039	0.0981	
600 minute summer	S16	4.003	S17	16.1	0.600	0.100	0.9166	
600 minute summer	S17	4.004	Pond	20.0	0.752	0.124	1.5532	
600 minute summer	S1 [CP]	3.000	S2 [CP]	8.8	0.558	0.124	1.2176	
600 minute summer	S2 [CP]	3.001	S2a [CP]	11.6	0.504	0.163	0.5840	
600 minute summer	S2a [CP]	3.002	S6	13.8	0.252	0.148	0.5958	



Results for 100 year +40% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.99%

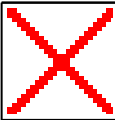
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	S18	315	1.977	0.062	6.8	0.0701	0.0000	OK
600 minute summer	S19	315	1.657	0.065	6.8	0.0740	0.0000	OK
600 minute summer	S20	315	1.620	0.073	9.0	0.0826	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	S18	2.000	S19	6.8	0.625	0.096	0.8521	
600 minute summer	S19	2.001	S20	6.8	0.554	0.096	0.1327	
600 minute summer	S20	2.002	S8	9.0	0.693	0.127	0.4476	



Results for 100 year +40% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.99%

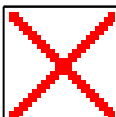
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S1	315	1.780	0.115	27.8	0.2037	0.0000	OK
600 minute winter	S2	315	1.677	0.125	31.6	0.2214	0.0000	OK
600 minute winter	S3	315	1.604	0.135	35.2	0.2379	0.0000	OK
600 minute winter	S4	315	1.549	0.149	44.7	0.2632	0.0000	OK
600 minute winter	S5	600	1.482	0.184	54.9	0.3255	0.0000	OK
600 minute winter	S6	600	1.482	0.292	93.3	0.5166	0.0000	OK
600 minute winter	S8	600	1.482	0.181	27.8	0.3203	0.0000	OK
600 minute winter	S9	600	1.482	0.280	27.8	0.4954	0.0000	OK
600 minute winter	S3 [CP]	600	1.482	0.374	93.3	0.5358	0.0000	OK
600 minute winter	HW1							
600 minute winter	S4 [control]	600	1.482	0.742	5.2	1.3119	0.0000	SURCHARGED
600 minute winter	HW3	285	0.763	0.047	5.0	0.0000	0.0000	OK
600 minute winter	HW2							
600 minute winter	Pond	600	1.482	0.702	108.6	1400.5730	0.0000	SURCHARGED
600 minute winter	S10	315	1.724	0.048	3.9	0.0852	0.0000	OK
600 minute winter	S12	600	1.482	0.070	6.1	0.1244	0.0000	OK
600 minute winter	S11	315	1.671	0.037	2.2	0.0652	0.0000	OK
600 minute winter	S13	315	1.679	0.049	4.0	0.0862	0.0000	OK
600 minute winter	S15	600	1.482	0.116	12.3	0.2057	0.0000	OK
600 minute winter	S14	315	1.625	0.037	2.2	0.0650	0.0000	OK
600 minute winter	S16	600	1.482	0.140	12.3	0.2481	0.0000	OK
600 minute winter	S17	600	1.482	0.216	15.3	0.3825	0.0000	OK
600 minute winter	HW4							
600 minute winter	S1 [CP]	315	1.675	0.062	6.8	0.0887	0.0000	OK
600 minute winter	S2 [CP]	600	1.482	0.143	9.0	0.2051	0.0000	OK
600 minute winter	S2a [CP]	600	1.482	0.214	10.6	0.3067	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S1	1.000	S2	27.8	0.693	0.081	1.8202	
600 minute winter	S2	1.001	S3	31.6	0.705	0.092	1.4833	
600 minute winter	S3	1.002	S4	35.2	0.693	0.103	1.3945	
600 minute winter	S4	1.003	S5	44.7	0.766	0.131	2.3923	
600 minute winter	S5	1.004	S6	54.9	0.707	0.160	4.5084	
600 minute winter	S6	1.005	S3 [CP]	93.3	1.032	0.258	4.7308	
600 minute winter	S8	2.003	S9	27.8	0.439	0.081	3.9587	
600 minute winter	S9	2.004	S6	27.8	0.306	0.081	0.6281	
600 minute winter	S3 [CP]	1.006	Pond	93.3	1.122	0.259	1.9495	
600 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	184.6
600 minute winter	Pond	1.009	S4 [control]	5.2	0.108	0.034	2.7750	
600 minute winter	S10	4.000	S12	3.9	0.551	0.055	0.1946	
600 minute winter	S12	4.001	S15	6.1	0.360	0.038	0.4399	
600 minute winter	S11	5.000	S12	2.2	0.469	0.031	0.0826	
600 minute winter	S13	6.000	S15	4.0	0.555	0.056	0.1983	
600 minute winter	S15	4.002	S16	12.3	0.579	0.076	0.3550	
600 minute winter	S14	7.000	S15	2.2	0.470	0.031	0.0816	
600 minute winter	S16	4.003	S17	12.3	0.558	0.077	1.7939	
600 minute winter	S17	4.004	Pond	15.3	0.697	0.095	2.3727	
600 minute winter	S1 [CP]	3.000	S2 [CP]	6.8	0.573	0.096	1.1655	
600 minute winter	S2 [CP]	3.001	S2a [CP]	9.0	0.493	0.126	0.7468	
600 minute winter	S2a [CP]	3.002	S6	10.6	0.238	0.114	0.6832	



Results for 100 year +40% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.99%

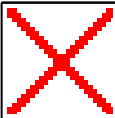
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	S18	315	1.969	0.054	5.2	0.0615	0.0000	OK
600 minute winter	S19	315	1.649	0.057	5.2	0.0640	0.0000	OK
600 minute winter	S20	315	1.611	0.064	6.9	0.0722	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	S18	2.000	S19	5.2	0.582	0.073	0.6988	
600 minute winter	S19	2.001	S20	5.2	0.517	0.073	0.1088	
600 minute winter	S20	2.002	S8	6.9	0.644	0.097	0.3691	



Results for 100 year +40% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.99%

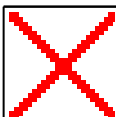
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S1	495	1.776	0.111	25.9	0.1964	0.0000	OK
960 minute summer	S2	495	1.673	0.121	29.4	0.2131	0.0000	OK
960 minute summer	S3	495	1.598	0.129	32.7	0.2284	0.0000	OK
960 minute summer	S4	495	1.543	0.143	41.6	0.2533	0.0000	OK
960 minute summer	S5	495	1.455	0.157	51.1	0.2772	0.0000	OK
960 minute summer	S6	975	1.440	0.250	86.9	0.4416	0.0000	OK
960 minute summer	S8	975	1.440	0.139	26.0	0.2453	0.0000	OK
960 minute summer	S9	975	1.440	0.238	26.0	0.4203	0.0000	OK
960 minute summer	S3 [CP]	975	1.440	0.332	86.9	0.4751	0.0000	OK
960 minute summer	HW1							
960 minute summer	S4 [control]	825	1.441	0.701	5.2	1.2395	0.0000	SURCHARGED
960 minute summer	HW3	465	0.763	0.047	5.0	0.0000	0.0000	OK
960 minute summer	HW2							
960 minute summer	Pond	975	1.440	0.660	101.3	1304.1230	0.0000	SURCHARGED
960 minute summer	S10	495	1.723	0.047	3.7	0.0830	0.0000	OK
960 minute summer	S12	495	1.469	0.057	5.8	0.1015	0.0000	OK
960 minute summer	S11	495	1.670	0.036	2.1	0.0638	0.0000	OK
960 minute summer	S13	495	1.678	0.048	3.8	0.0841	0.0000	OK
960 minute summer	S15	495	1.452	0.086	11.6	0.1524	0.0000	OK
960 minute summer	S14	495	1.623	0.035	2.0	0.0621	0.0000	OK
960 minute summer	S16	975	1.440	0.098	11.6	0.1730	0.0000	OK
960 minute summer	S17	975	1.440	0.174	14.4	0.3075	0.0000	OK
960 minute summer	HW4							
960 minute summer	S1 [CP]	495	1.673	0.060	6.3	0.0855	0.0000	OK
960 minute summer	S2 [CP]	975	1.440	0.101	8.3	0.1444	0.0000	OK
960 minute summer	S2a [CP]	975	1.440	0.172	9.8	0.2460	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S1	1.000	S2	25.9	0.680	0.076	1.7255	
960 minute summer	S2	1.001	S3	29.4	0.693	0.086	1.4016	
960 minute summer	S3	1.002	S4	32.7	0.681	0.095	1.3184	
960 minute summer	S4	1.003	S5	41.6	0.756	0.122	2.2546	
960 minute summer	S5	1.004	S6	51.1	0.698	0.149	3.4790	
960 minute summer	S6	1.005	S3 [CP]	86.9	1.012	0.240	3.9913	
960 minute summer	S8	2.003	S9	26.0	0.440	0.076	3.0205	
960 minute summer	S9	2.004	S6	26.0	0.303	0.075	0.5088	
960 minute summer	S3 [CP]	1.006	Pond	86.9	1.098	0.241	1.7001	
960 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1045	256.0
960 minute summer	Pond	1.009	S4 [control]	5.2	0.104	0.034	2.7750	
960 minute summer	S10	4.000	S12	3.7	0.544	0.052	0.1873	
960 minute summer	S12	4.001	S15	5.8	0.357	0.036	0.3002	
960 minute summer	S11	5.000	S12	2.1	0.463	0.030	0.0798	
960 minute summer	S13	6.000	S15	3.8	0.548	0.053	0.1910	
960 minute summer	S15	4.002	S16	11.6	0.571	0.072	0.2013	
960 minute summer	S14	7.000	S15	2.0	0.458	0.028	0.0760	
960 minute summer	S16	4.003	S17	11.6	0.549	0.072	1.2502	
960 minute summer	S17	4.004	Pond	14.4	0.684	0.090	1.8775	
960 minute summer	S1 [CP]	3.000	S2 [CP]	6.3	0.573	0.089	0.7442	
960 minute summer	S2 [CP]	3.001	S2a [CP]	8.3	0.501	0.117	0.5363	
960 minute summer	S2a [CP]	3.002	S6	9.8	0.234	0.105	0.5764	



Results for 100 year +40% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.99%

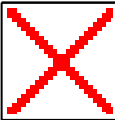
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	S18	495	1.968	0.053	4.9	0.0598	0.0000	OK
960 minute summer	S19	495	1.647	0.055	4.9	0.0620	0.0000	OK
960 minute summer	S20	495	1.609	0.062	6.5	0.0700	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	S18	2.000	S19	4.9	0.573	0.069	0.6687	
960 minute summer	S19	2.001	S20	4.9	0.510	0.069	0.1041	
960 minute summer	S20	2.002	S8	6.5	0.634	0.091	0.3532	



Results for 100 year +40% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.99%

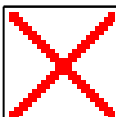
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S1	495	1.760	0.095	19.2	0.1686	0.0000	OK
960 minute winter	S2	495	1.655	0.103	21.8	0.1826	0.0000	OK
960 minute winter	S3	495	1.579	0.110	24.3	0.1945	0.0000	OK
960 minute winter	S4	495	1.523	0.123	30.9	0.2167	0.0000	OK
960 minute winter	S5	945	1.515	0.217	37.9	0.3829	0.0000	OK
960 minute winter	S6	945	1.515	0.325	64.5	0.5737	0.0000	OK
960 minute winter	S8	945	1.515	0.214	19.3	0.3776	0.0000	OK
960 minute winter	S9	945	1.515	0.313	19.3	0.5525	0.0000	OK
960 minute winter	S3 [CP]	945	1.515	0.407	64.5	0.5820	0.0000	OK
960 minute winter	HW1							
960 minute winter	S4 [control]	960	1.515	0.775	5.1	1.3688	0.0000	SURCHARGED
960 minute winter	HW3	435	0.763	0.047	5.0	0.0000	0.0000	OK
960 minute winter	HW2							
960 minute winter	Pond	960	1.515	0.735	75.0	1474.9190	0.0000	SURCHARGED
960 minute winter	S10	495	1.716	0.040	2.7	0.0712	0.0000	OK
960 minute winter	S12	945	1.515	0.103	4.2	0.1815	0.0000	OK
960 minute winter	S11	480	1.665	0.031	1.5	0.0543	0.0000	OK
960 minute winter	S13	495	1.671	0.041	2.8	0.0724	0.0000	OK
960 minute winter	S15	945	1.515	0.149	8.5	0.2627	0.0000	OK
960 minute winter	S14	480	1.619	0.031	1.5	0.0542	0.0000	OK
960 minute winter	S16	945	1.515	0.173	8.5	0.3052	0.0000	OK
960 minute winter	S17	945	1.515	0.249	10.5	0.4395	0.0000	OK
960 minute winter	HW4							
960 minute winter	S1 [CP]	495	1.665	0.052	4.7	0.0741	0.0000	OK
960 minute winter	S2 [CP]	945	1.515	0.176	6.2	0.2514	0.0000	OK
960 minute winter	S2a [CP]	945	1.515	0.247	7.3	0.3530	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	S1	1.000	S2	19.2	0.629	0.056	1.3824	
960 minute winter	S2	1.001	S3	21.8	0.645	0.064	1.1173	
960 minute winter	S3	1.002	S4	24.3	0.635	0.071	1.0518	
960 minute winter	S4	1.003	S5	30.9	0.711	0.090	2.6450	
960 minute winter	S5	1.004	S6	37.9	0.655	0.110	5.3191	
960 minute winter	S6	1.005	S3 [CP]	64.5	0.937	0.178	5.2869	
960 minute winter	S8	2.003	S9	19.3	0.421	0.056	4.6999	
960 minute winter	S9	2.004	S6	19.3	0.284	0.056	0.7197	
960 minute winter	S3 [CP]	1.006	Pond	64.5	1.010	0.179	2.1321	
960 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1045	265.1
960 minute winter	Pond	1.009	S4 [control]	5.1	0.123	0.033	2.7750	
960 minute winter	S10	4.000	S12	2.7	0.496	0.038	0.1498	
960 minute winter	S12	4.001	S15	4.2	0.324	0.026	0.6641	
960 minute winter	S11	5.000	S12	1.5	0.420	0.021	0.0629	
960 minute winter	S13	6.000	S15	2.8	0.500	0.039	0.1541	
960 minute winter	S15	4.002	S16	8.5	0.528	0.053	0.4834	
960 minute winter	S14	7.000	S15	1.5	0.420	0.021	0.0621	
960 minute winter	S16	4.003	S17	8.5	0.504	0.053	2.2250	
960 minute winter	S17	4.004	Pond	10.5	0.628	0.065	2.7433	
960 minute winter	S1 [CP]	3.000	S2 [CP]	4.7	0.525	0.066	1.4705	
960 minute winter	S2 [CP]	3.001	S2a [CP]	6.2	0.494	0.087	0.8993	
960 minute winter	S2a [CP]	3.002	S6	7.3	0.227	0.078	0.7307	



Results for 100 year +40% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	S18	495	1.961	0.046	3.6	0.0515	0.0000	OK
960 minute winter	S19	495	1.639	0.047	3.6	0.0526	0.0000	OK
960 minute winter	S20	495	1.600	0.053	4.8	0.0603	0.0000	OK

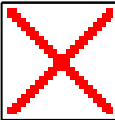
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	S18	2.000	S19	3.6	0.528	0.051	0.5328	
960 minute winter	S19	2.001	S20	3.6	0.469	0.051	0.0830	
960 minute winter	S20	2.002	S8	4.8	0.582	0.067	0.4282	



Results for 100 year +40% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S1	750	1.758	0.093	18.4	0.1650	0.0000	OK
1440 minute summer	S2	750	1.653	0.101	20.9	0.1787	0.0000	OK
1440 minute summer	S3	750	1.577	0.108	23.3	0.1902	0.0000	OK
1440 minute summer	S4	750	1.520	0.120	29.6	0.2118	0.0000	OK
1440 minute summer	S5	1440	1.450	0.152	36.3	0.2688	0.0000	OK
1440 minute summer	S6	1440	1.450	0.260	61.7	0.4595	0.0000	OK
1440 minute summer	S8	1440	1.450	0.149	18.4	0.2634	0.0000	OK
1440 minute summer	S9	1440	1.450	0.248	18.4	0.4383	0.0000	OK
1440 minute summer	S3 [CP]	1440	1.450	0.342	61.7	0.4894	0.0000	OK
1440 minute summer	HW1							
1440 minute summer	S4 [control]	1440	1.450	0.710	14.0	1.2544	0.0000	SURCHARGED
1440 minute summer	HW3	690	0.763	0.047	5.0	0.0000	0.0000	OK
1440 minute summer	HW2							
1440 minute summer	Pond	1440	1.450	0.670	71.9	1326.5420	0.0000	SURCHARGED
1440 minute summer	S10	750	1.716	0.040	2.6	0.0700	0.0000	OK
1440 minute summer	S12	750	1.461	0.049	4.1	0.0863	0.0000	OK
1440 minute summer	S11	750	1.665	0.031	1.5	0.0543	0.0000	OK
1440 minute summer	S13	750	1.670	0.040	2.7	0.0712	0.0000	OK
1440 minute summer	S15	1440	1.450	0.084	8.2	0.1484	0.0000	OK
1440 minute summer	S14	750	1.618	0.030	1.4	0.0524	0.0000	OK
1440 minute summer	S16	1440	1.450	0.108	8.2	0.1908	0.0000	OK
1440 minute summer	S17	1440	1.450	0.184	10.2	0.3251	0.0000	OK
1440 minute summer	HW4							
1440 minute summer	S1 [CP]	750	1.664	0.051	4.5	0.0725	0.0000	OK
1440 minute summer	S2 [CP]	1440	1.450	0.111	5.9	0.1589	0.0000	OK
1440 minute summer	S2a [CP]	1440	1.450	0.182	7.0	0.2605	0.0000	OK

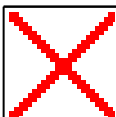
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S1	1.000	S2	18.4	0.622	0.054	1.3395	
1440 minute summer	S2	1.001	S3	20.9	0.639	0.061	1.0823	
1440 minute summer	S3	1.002	S4	23.3	0.629	0.068	1.0179	
1440 minute summer	S4	1.003	S5	29.6	0.703	0.087	1.7243	
1440 minute summer	S5	1.004	S6	36.3	0.648	0.106	3.7236	
1440 minute summer	S6	1.005	S3 [CP]	61.7	0.926	0.171	4.1669	
1440 minute summer	S8	2.003	S9	18.4	0.416	0.054	3.2415	
1440 minute summer	S9	2.004	S6	18.4	0.280	0.053	0.5372	
1440 minute summer	S3 [CP]	1.006	Pond	61.7	0.997	0.171	1.7593	
1440 minute summer	S4 [control]	1.010	HW3	5.0	0.508	0.033	0.1045	352.8
1440 minute summer	Pond	1.009	S4 [control]	14.0	0.103	0.091	2.7750	
1440 minute summer	S10	4.000	S12	2.6	0.491	0.037	0.1455	
1440 minute summer	S12	4.001	S15	4.1	0.324	0.025	0.2442	
1440 minute summer	S11	5.000	S12	1.5	0.420	0.021	0.0629	
1440 minute summer	S13	6.000	S15	2.7	0.496	0.038	0.1498	
1440 minute summer	S15	4.002	S16	8.2	0.523	0.051	0.2358	
1440 minute summer	S14	7.000	S15	1.4	0.411	0.020	0.0592	
1440 minute summer	S16	4.003	S17	8.2	0.498	0.051	1.3748	
1440 minute summer	S17	4.004	Pond	10.2	0.623	0.063	1.9935	
1440 minute summer	S1 [CP]	3.000	S2 [CP]	4.5	0.520	0.063	0.8337	
1440 minute summer	S2 [CP]	3.001	S2a [CP]	5.9	0.505	0.083	0.5868	
1440 minute summer	S2a [CP]	3.002	S6	7.0	0.228	0.075	0.6048	



Results for 100 year +40% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.99%

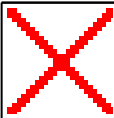
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	S18	750	1.960	0.045	3.5	0.0508	0.0000	OK
1440 minute summer	S19	750	1.638	0.046	3.5	0.0519	0.0000	OK
1440 minute summer	S20	750	1.599	0.052	4.6	0.0590	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	S18	2.000	S19	3.5	0.524	0.049	0.5224	
1440 minute summer	S19	2.001	S20	3.5	0.468	0.049	0.0809	
1440 minute summer	S20	2.002	S8	4.6	0.575	0.065	0.2755	



Results for 100 year +40% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.99%

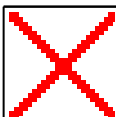
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S1	750	1.746	0.081	13.8	0.1429	0.0000	OK
1440 minute winter	S2	750	1.639	0.087	15.7	0.1545	0.0000	OK
1440 minute winter	S3	750	1.561	0.092	17.5	0.1634	0.0000	OK
1440 minute winter	S4	1410	1.531	0.131	22.3	0.2313	0.0000	OK
1440 minute winter	S5	1410	1.531	0.233	27.4	0.4114	0.0000	OK
1440 minute winter	S6	1410	1.531	0.341	46.5	0.6023	0.0000	OK
1440 minute winter	S8	1410	1.531	0.230	13.8	0.4061	0.0000	OK
1440 minute winter	S9	1410	1.531	0.329	13.8	0.5811	0.0000	OK
1440 minute winter	S3 [CP]	1410	1.531	0.423	46.5	0.6051	0.0000	OK
1440 minute winter	HW1							
1440 minute winter	S4 [control]	1410	1.531	0.791	5.1	1.3973	0.0000	SURCHARGED
1440 minute winter	HW3	660	0.763	0.047	5.0	0.0000	0.0000	OK
1440 minute winter	HW2							
1440 minute winter	Pond	1410	1.531	0.751	54.0	1512.4210	0.0000	SURCHARGED
1440 minute winter	S10	750	1.711	0.035	2.0	0.0619	0.0000	OK
1440 minute winter	S12	1410	1.531	0.119	3.1	0.2100	0.0000	OK
1440 minute winter	S11	720	1.661	0.027	1.1	0.0470	0.0000	OK
1440 minute winter	S13	750	1.665	0.035	2.0	0.0619	0.0000	OK
1440 minute winter	S15	1410	1.531	0.165	6.2	0.2912	0.0000	OK
1440 minute winter	S14	750	1.615	0.027	1.1	0.0469	0.0000	OK
1440 minute winter	S16	1410	1.531	0.189	6.2	0.3336	0.0000	OK
1440 minute winter	S17	1410	1.531	0.265	7.7	0.4679	0.0000	OK
1440 minute winter	HW4							
1440 minute winter	S1 [CP]	750	1.657	0.044	3.4	0.0633	0.0000	OK
1440 minute winter	S2 [CP]	1410	1.531	0.192	4.5	0.2745	0.0000	OK
1440 minute winter	S2a [CP]	1410	1.531	0.263	5.3	0.3761	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S1	1.000	S2	13.8	0.576	0.040	1.0855	
1440 minute winter	S2	1.001	S3	15.7	0.595	0.046	0.8720	
1440 minute winter	S3	1.002	S4	17.5	0.586	0.051	0.8321	
1440 minute winter	S4	1.003	S5	22.3	0.650	0.065	2.9962	
1440 minute winter	S5	1.004	S6	27.4	0.602	0.080	5.7269	
1440 minute winter	S6	1.005	S3 [CP]	46.5	0.860	0.129	5.5599	
1440 minute winter	S8	2.003	S9	13.8	0.388	0.040	5.0738	
1440 minute winter	S9	2.004	S6	13.8	0.262	0.040	0.7652	
1440 minute winter	S3 [CP]	1.006	Pond	46.3	0.923	0.128	2.2201	
1440 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	369.7
1440 minute winter	Pond	1.009	S4 [control]	5.1	0.103	0.033	2.7750	
1440 minute winter	S10	4.000	S12	2.0	0.460	0.028	0.1196	
1440 minute winter	S12	4.001	S15	3.1	0.300	0.019	0.7838	
1440 minute winter	S11	5.000	S12	1.1	0.386	0.016	0.0501	
1440 minute winter	S13	6.000	S15	2.0	0.460	0.028	0.1196	
1440 minute winter	S15	4.002	S16	6.2	0.483	0.038	0.5500	
1440 minute winter	S14	7.000	S15	1.1	0.387	0.015	0.0495	
1440 minute winter	S16	4.003	S17	6.2	0.457	0.039	2.4425	
1440 minute winter	S17	4.004	Pond	7.7	0.570	0.048	2.9234	
1440 minute winter	S1 [CP]	3.000	S2 [CP]	3.4	0.477	0.048	1.6179	
1440 minute winter	S2 [CP]	3.001	S2a [CP]	4.5	0.492	0.063	0.9692	
1440 minute winter	S2a [CP]	3.002	S6	5.3	0.227	0.057	0.7497	



Results for 100 year +40% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S18	750	1.954	0.039	2.6	0.0441	0.0000	OK
1440 minute winter	S19	750	1.631	0.039	2.6	0.0445	0.0000	OK
1440 minute winter	S20	750	1.592	0.045	3.4	0.0509	0.0000	OK

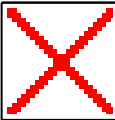
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S18	2.000	S19	2.6	0.482	0.037	0.4212	
1440 minute winter	S19	2.001	S20	2.6	0.433	0.037	0.0650	
1440 minute winter	S20	2.002	S8	3.4	0.530	0.048	0.5087	



Results for 100 year +40% CC 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	S1	1140	1.743	0.078	12.9	0.1383	0.0000	OK
2160 minute summer	S2	1140	1.637	0.085	14.7	0.1494	0.0000	OK
2160 minute summer	S3	1140	1.558	0.089	16.4	0.1580	0.0000	OK
2160 minute summer	S4	1140	1.500	0.100	20.8	0.1764	0.0000	OK
2160 minute summer	S5	2160	1.449	0.151	25.5	0.2672	0.0000	OK
2160 minute summer	S6	2160	1.449	0.259	43.3	0.4579	0.0000	OK
2160 minute summer	S8	2160	1.449	0.148	12.9	0.2618	0.0000	OK
2160 minute summer	S9	2160	1.449	0.247	12.9	0.4367	0.0000	OK
2160 minute summer	S3 [CP]	2160	1.449	0.341	43.3	0.4882	0.0000	OK
2160 minute summer	HW1							
2160 minute summer	S4 [control]	2160	1.449	0.709	6.2	1.2530	0.0000	SURCHARGED
2160 minute summer	HW3	1080	0.763	0.047	5.0	0.0000	0.0000	OK
2160 minute summer	HW2							
2160 minute summer	Pond	2160	1.449	0.669	50.4	1324.6330	0.0000	SURCHARGED
2160 minute summer	S10	1140	1.709	0.033	1.8	0.0589	0.0000	OK
2160 minute summer	S12	1140	1.453	0.041	2.8	0.0720	0.0000	OK
2160 minute summer	S11	1140	1.659	0.025	1.0	0.0450	0.0000	OK
2160 minute summer	S13	1140	1.664	0.034	1.9	0.0604	0.0000	OK
2160 minute summer	S15	2160	1.449	0.083	5.7	0.1470	0.0000	OK
2160 minute summer	S14	1140	1.613	0.025	1.0	0.0449	0.0000	OK
2160 minute summer	S16	2160	1.449	0.107	5.7	0.1893	0.0000	OK
2160 minute summer	S17	2160	1.449	0.183	7.1	0.3236	0.0000	OK
2160 minute summer	HW4							
2160 minute summer	S1 [CP]	1140	1.655	0.042	3.1	0.0605	0.0000	OK
2160 minute summer	S2 [CP]	2160	1.449	0.110	4.1	0.1577	0.0000	OK
2160 minute summer	S2a [CP]	2160	1.449	0.181	4.9	0.2592	0.0000	OK

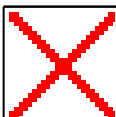
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	S1	1.000	S2	12.9	0.566	0.038	1.0339	
2160 minute summer	S2	1.001	S3	14.7	0.585	0.043	0.8312	
2160 minute summer	S3	1.002	S4	16.4	0.578	0.048	0.7807	
2160 minute summer	S4	1.003	S5	20.8	0.638	0.061	1.3636	
2160 minute summer	S5	1.004	S6	25.5	0.590	0.074	3.7023	
2160 minute summer	S6	1.005	S3 [CP]	43.3	0.844	0.120	4.1518	
2160 minute summer	S8	2.003	S9	12.9	0.384	0.038	3.2223	
2160 minute summer	S9	2.004	S6	12.9	0.259	0.037	0.5347	
2160 minute summer	S3 [CP]	1.006	Pond	43.3	0.905	0.120	1.7542	
2160 minute summer	S4 [control]	1.010	HW3	5.0	0.508	0.033	0.1045	497.3
2160 minute summer	Pond	1.009	S4 [control]	6.2	0.102	0.040	2.7750	
2160 minute summer	S10	4.000	S12	1.8	0.446	0.025	0.1110	
2160 minute summer	S12	4.001	S15	2.8	0.289	0.017	0.2397	
2160 minute summer	S11	5.000	S12	1.0	0.378	0.014	0.0465	
2160 minute summer	S13	6.000	S15	1.9	0.454	0.027	0.1153	
2160 minute summer	S15	4.002	S16	5.7	0.472	0.035	0.2328	
2160 minute summer	S14	7.000	S15	1.0	0.379	0.014	0.0459	
2160 minute summer	S16	4.003	S17	5.7	0.445	0.036	1.3642	
2160 minute summer	S17	4.004	Pond	7.1	0.560	0.044	1.9837	
2160 minute summer	S1 [CP]	3.000	S2 [CP]	3.1	0.465	0.044	0.8164	
2160 minute summer	S2 [CP]	3.001	S2a [CP]	4.1	0.486	0.058	0.5825	
2160 minute summer	S2a [CP]	3.002	S6	4.9	0.225	0.053	0.6024	



Results for 100 year +40% CC 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.99%

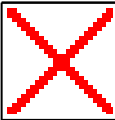
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	S18	1140	1.953	0.038	2.4	0.0425	0.0000	OK
2160 minute summer	S19	1140	1.630	0.038	2.4	0.0426	0.0000	OK
2160 minute summer	S20	1140	1.591	0.044	3.2	0.0494	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	S18	2.000	S19	2.4	0.472	0.034	0.3974	
2160 minute summer	S19	2.001	S20	2.4	0.421	0.034	0.0617	
2160 minute summer	S20	2.002	S8	3.2	0.521	0.045	0.2117	



Results for 100 year +40% CC 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 99.99%

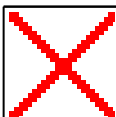
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	S1	1140	1.734	0.069	9.9	0.1217	0.0000	OK
2160 minute winter	S2	1140	1.626	0.074	11.3	0.1312	0.0000	OK
2160 minute winter	S3	1140	1.547	0.078	12.6	0.1380	0.0000	OK
2160 minute winter	S4	2100	1.531	0.131	16.0	0.2311	0.0000	OK
2160 minute winter	S5	2100	1.531	0.233	19.6	0.4113	0.0000	OK
2160 minute winter	S6	2100	1.531	0.341	33.4	0.6021	0.0000	OK
2160 minute winter	S8	2100	1.531	0.230	10.0	0.4060	0.0000	OK
2160 minute winter	S9	2100	1.531	0.329	10.0	0.5809	0.0000	OK
2160 minute winter	S3 [CP]	2100	1.531	0.423	33.5	0.6050	0.0000	OK
2160 minute winter	HW1							
2160 minute winter	S4 [control]	2100	1.531	0.791	5.0	1.3972	0.0000	SURCHARGED
2160 minute winter	HW3	960	0.763	0.047	5.0	0.0000	0.0000	OK
2160 minute winter	HW2							
2160 minute winter	Pond	2100	1.531	0.751	39.1	1512.2250	0.0000	SURCHARGED
2160 minute winter	S10	1140	1.706	0.030	1.4	0.0522	0.0000	OK
2160 minute winter	S12	2100	1.531	0.119	2.2	0.2098	0.0000	OK
2160 minute winter	S11	1140	1.657	0.023	0.8	0.0407	0.0000	OK
2160 minute winter	S13	1080	1.660	0.030	1.4	0.0522	0.0000	OK
2160 minute winter	S15	2100	1.531	0.165	4.4	0.2911	0.0000	OK
2160 minute winter	S14	1140	1.611	0.023	0.8	0.0406	0.0000	OK
2160 minute winter	S16	2100	1.531	0.189	4.4	0.3335	0.0000	OK
2160 minute winter	S17	2100	1.531	0.265	5.5	0.4678	0.0000	OK
2160 minute winter	HW4							
2160 minute winter	S1 [CP]	1140	1.650	0.037	2.4	0.0536	0.0000	OK
2160 minute winter	S2 [CP]	2100	1.531	0.192	3.2	0.2744	0.0000	OK
2160 minute winter	S2a [CP]	2100	1.531	0.263	3.8	0.3760	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	S1	1.000	S2	9.9	0.524	0.029	0.8562	
2160 minute winter	S2	1.001	S3	11.3	0.546	0.033	0.6843	
2160 minute winter	S3	1.002	S4	12.6	0.540	0.037	0.8311	
2160 minute winter	S4	1.003	S5	16.0	0.594	0.047	2.9947	
2160 minute winter	S5	1.004	S6	19.6	0.550	0.057	5.7250	
2160 minute winter	S6	1.005	S3 [CP]	33.5	0.788	0.093	5.5585	
2160 minute winter	S8	2.003	S9	10.0	0.363	0.029	5.0721	
2160 minute winter	S9	2.004	S6	10.5	0.257	0.030	0.7650	
2160 minute winter	S3 [CP]	1.006	Pond	33.6	0.846	0.093	2.2196	
2160 minute winter	S4 [control]	1.010	HW3	5.0	0.508	0.033	0.1045	521.7
2160 minute winter	Pond	1.009	S4 [control]	5.0	0.102	0.033	2.7750	
2160 minute winter	S10	4.000	S12	1.4	0.413	0.020	0.0933	
2160 minute winter	S12	4.001	S15	2.2	0.271	0.014	0.7833	
2160 minute winter	S11	5.000	S12	0.8	0.359	0.011	0.0392	
2160 minute winter	S13	6.000	S15	1.4	0.413	0.020	0.0933	
2160 minute winter	S15	4.002	S16	4.4	0.437	0.027	0.5497	
2160 minute winter	S14	7.000	S15	0.8	0.360	0.011	0.0387	
2160 minute winter	S16	4.003	S17	4.4	0.410	0.027	2.4415	
2160 minute winter	S17	4.004	Pond	5.5	0.524	0.034	2.9225	
2160 minute winter	S1 [CP]	3.000	S2 [CP]	2.4	0.426	0.034	1.6159	
2160 minute winter	S2 [CP]	3.001	S2a [CP]	3.2	0.507	0.045	0.9689	
2160 minute winter	S2a [CP]	3.002	S6	3.9	0.240	0.042	0.7496	



Results for 100 year +40% CC 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 99.99%

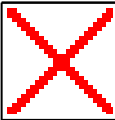
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	S18	1140	1.949	0.034	1.9	0.0381	0.0000	OK
2160 minute winter	S19	1140	1.626	0.034	1.9	0.0379	0.0000	OK
2160 minute winter	S20	1140	1.586	0.039	2.5	0.0439	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	S18	2.000	S19	1.9	0.442	0.027	0.3360	
2160 minute winter	S19	2.001	S20	1.9	0.396	0.027	0.0519	
2160 minute winter	S20	2.002	S8	2.5	0.487	0.035	0.5034	



Results for 100 year +40% CC 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.99%

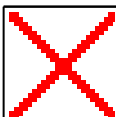
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S1	1500	1.736	0.071	10.5	0.1251	0.0000	OK
2880 minute summer	S2	1500	1.628	0.076	11.9	0.1346	0.0000	OK
2880 minute summer	S3	1500	1.549	0.080	13.3	0.1418	0.0000	OK
2880 minute summer	S4	1500	1.490	0.090	16.9	0.1585	0.0000	OK
2880 minute summer	S5	2640	1.432	0.134	20.7	0.2362	0.0000	OK
2880 minute summer	S6	2640	1.432	0.242	35.2	0.4270	0.0000	OK
2880 minute summer	S8	2640	1.432	0.131	10.5	0.2309	0.0000	OK
2880 minute summer	S9	2640	1.432	0.230	10.5	0.4058	0.0000	OK
2880 minute summer	S3 [CP]	2640	1.432	0.324	35.2	0.4631	0.0000	OK
2880 minute summer	HW1							
2880 minute summer	S4 [control]	2040	1.446	0.706	11.0	1.2475	0.0000	SURCHARGED
2880 minute summer	HW3	1380	0.763	0.047	5.0	0.0000	0.0000	OK
2880 minute summer	HW2							
2880 minute summer	Pond	2640	1.432	0.652	40.9	1285.1080	0.0000	SURCHARGED
2880 minute summer	S10	1500	1.707	0.031	1.5	0.0539	0.0000	OK
2880 minute summer	S12	1500	1.449	0.037	2.3	0.0656	0.0000	OK
2880 minute summer	S11	1500	1.657	0.023	0.8	0.0407	0.0000	OK
2880 minute summer	S13	1500	1.661	0.031	1.5	0.0539	0.0000	OK
2880 minute summer	S15	2640	1.432	0.066	4.6	0.1160	0.0000	OK
2880 minute summer	S14	1500	1.611	0.023	0.8	0.0406	0.0000	OK
2880 minute summer	S16	2640	1.432	0.090	4.6	0.1584	0.0000	OK
2880 minute summer	S17	2640	1.432	0.166	5.7	0.2926	0.0000	OK
2880 minute summer	HW4							
2880 minute summer	S1 [CP]	1500	1.652	0.039	2.6	0.0557	0.0000	OK
2880 minute summer	S2 [CP]	2640	1.432	0.093	3.4	0.1326	0.0000	OK
2880 minute summer	S2a [CP]	2640	1.432	0.164	4.0	0.2342	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S1	1.000	S2	10.5	0.534	0.031	0.8902	
2880 minute summer	S2	1.001	S3	11.9	0.553	0.035	0.7112	
2880 minute summer	S3	1.002	S4	13.3	0.547	0.039	0.6672	
2880 minute summer	S4	1.003	S5	16.9	0.604	0.049	1.1484	
2880 minute summer	S5	1.004	S6	20.7	0.557	0.060	3.2877	
2880 minute summer	S6	1.005	S3 [CP]	35.2	0.800	0.097	3.8461	
2880 minute summer	S8	2.003	S9	10.5	0.366	0.031	2.8456	
2880 minute summer	S9	2.004	S6	10.5	0.248	0.030	0.4860	
2880 minute summer	S3 [CP]	1.006	Pond	35.2	0.859	0.098	1.6497	
2880 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1045	647.0
2880 minute summer	Pond	1.009	S4 [control]	11.0	0.102	0.072	2.7750	
2880 minute summer	S10	4.000	S12	1.5	0.422	0.021	0.0978	
2880 minute summer	S12	4.001	S15	2.3	0.275	0.014	0.1542	
2880 minute summer	S11	5.000	S12	0.8	0.359	0.011	0.0392	
2880 minute summer	S13	6.000	S15	1.5	0.422	0.021	0.0978	
2880 minute summer	S15	4.002	S16	4.6	0.443	0.029	0.1743	
2880 minute summer	S14	7.000	S15	0.8	0.360	0.011	0.0387	
2880 minute summer	S16	4.003	S17	4.6	0.417	0.029	1.1484	
2880 minute summer	S17	4.004	Pond	5.7	0.529	0.035	1.7796	
2880 minute summer	S1 [CP]	3.000	S2 [CP]	2.6	0.442	0.037	0.6518	
2880 minute summer	S2 [CP]	3.001	S2a [CP]	3.4	0.508	0.048	0.4955	
2880 minute summer	S2a [CP]	3.002	S6	4.0	0.230	0.043	0.5524	



Results for 100 year +40% CC 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	S18	1500	1.950	0.035	2.0	0.0390	0.0000	OK
2880 minute summer	S19	1500	1.626	0.034	2.0	0.0390	0.0000	OK
2880 minute summer	S20	1500	1.587	0.040	2.6	0.0448	0.0000	OK

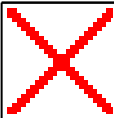
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	S18	2.000	S19	2.0	0.448	0.028	0.3491	
2880 minute summer	S19	2.001	S20	2.0	0.403	0.028	0.0536	
2880 minute summer	S20	2.002	S8	2.6	0.492	0.037	0.1822	



Results for 100 year +40% CC 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S1	1500	1.727	0.062	7.9	0.1093	0.0000	OK
2880 minute winter	S2	1500	1.619	0.067	9.0	0.1176	0.0000	OK
2880 minute winter	S3	1500	1.539	0.070	10.0	0.1228	0.0000	OK
2880 minute winter	S4	2760	1.517	0.117	12.7	0.2073	0.0000	OK
2880 minute winter	S5	2760	1.517	0.219	15.6	0.3875	0.0000	OK
2880 minute winter	S6	2760	1.517	0.327	26.6	0.5783	0.0000	OK
2880 minute winter	S8	2760	1.517	0.216	8.0	0.3822	0.0000	OK
2880 minute winter	S9	2760	1.517	0.315	8.0	0.5571	0.0000	OK
2880 minute winter	S3 [CP]	2760	1.517	0.409	26.6	0.5857	0.0000	OK
2880 minute winter	HW1							
2880 minute winter	S4 [control]	2760	1.517	0.777	5.0	1.3734	0.0000	SURCHARGED
2880 minute winter	HW3	1320	0.763	0.047	5.0	0.0000	0.0000	OK
2880 minute winter	HW2							
2880 minute winter	Pond	2760	1.517	0.737	30.7	1480.8530	0.0000	SURCHARGED
2880 minute winter	S10	1440	1.702	0.026	1.1	0.0467	0.0000	OK
2880 minute winter	S12	2760	1.517	0.105	1.7	0.1860	0.0000	OK
2880 minute winter	S11	1380	1.654	0.020	0.6	0.0358	0.0000	OK
2880 minute winter	S13	1440	1.656	0.026	1.1	0.0467	0.0000	OK
2880 minute winter	S15	2760	1.517	0.151	3.4	0.2673	0.0000	OK
2880 minute winter	S14	1380	1.608	0.020	0.6	0.0357	0.0000	OK
2880 minute winter	S16	2760	1.517	0.175	3.4	0.3097	0.0000	OK
2880 minute winter	S17	2760	1.517	0.251	4.2	0.4440	0.0000	OK
2880 minute winter	HW4							
2880 minute winter	S1 [CP]	1440	1.647	0.034	1.9	0.0480	0.0000	OK
2880 minute winter	S2 [CP]	2760	1.517	0.178	2.5	0.2551	0.0000	OK
2880 minute winter	S2a [CP]	2760	1.517	0.249	3.0	0.3567	0.0000	OK

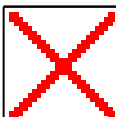
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S1	1.000	S2	7.9	0.491	0.023	0.7290	
2880 minute winter	S2	1.001	S3	9.0	0.514	0.026	0.5790	
2880 minute winter	S3	1.002	S4	10.0	0.508	0.029	0.6783	
2880 minute winter	S4	1.003	S5	12.7	0.557	0.037	2.7014	
2880 minute winter	S5	1.004	S6	15.6	0.525	0.045	5.3848	
2880 minute winter	S6	1.005	S3 [CP]	26.6	0.737	0.074	5.3310	
2880 minute winter	S8	2.003	S9	8.0	0.351	0.023	4.7601	
2880 minute winter	S9	2.004	S6	8.0	0.241	0.023	0.7271	
2880 minute winter	S3 [CP]	1.006	Pond	26.5	0.786	0.074	2.1463	
2880 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	677.7
2880 minute winter	Pond	1.009	S4 [control]	5.0	0.102	0.033	2.7750	
2880 minute winter	S10	4.000	S12	1.1	0.388	0.015	0.0780	
2880 minute winter	S12	4.001	S15	1.7	0.253	0.011	0.6830	
2880 minute winter	S11	5.000	S12	0.6	0.332	0.008	0.0319	
2880 minute winter	S13	6.000	S15	1.1	0.388	0.015	0.0780	
2880 minute winter	S15	4.002	S16	3.4	0.406	0.021	0.4939	
2880 minute winter	S14	7.000	S15	0.6	0.332	0.008	0.0315	
2880 minute winter	S16	4.003	S17	3.4	0.388	0.021	2.2596	
2880 minute winter	S17	4.004	Pond	4.2	0.482	0.026	2.7723	
2880 minute winter	S1 [CP]	3.000	S2 [CP]	1.9	0.393	0.027	1.4856	
2880 minute winter	S2 [CP]	3.001	S2a [CP]	2.5	0.487	0.035	0.9109	
2880 minute winter	S2a [CP]	3.002	S6	3.0	0.233	0.032	0.7339	



Results for 100 year +40% CC 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	S18	1500	1.945	0.030	1.5	0.0340	0.0000	OK
2880 minute winter	S19	1500	1.622	0.030	1.5	0.0338	0.0000	OK
2880 minute winter	S20	1500	1.582	0.035	2.0	0.0396	0.0000	OK

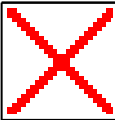
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	S18	2.000	S19	1.5	0.411	0.021	0.2849	
2880 minute winter	S19	2.001	S20	1.5	0.367	0.021	0.0443	
2880 minute winter	S20	2.002	S8	2.0	0.460	0.028	0.4348	



Results for 100 year +40% CC 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S1	2940	1.721	0.056	6.3	0.0982	0.0000	OK
5760 minute summer	S2	2940	1.612	0.060	7.2	0.1054	0.0000	OK
5760 minute summer	S3	2940	1.531	0.062	8.0	0.1099	0.0000	OK
5760 minute summer	S4	2940	1.470	0.070	10.2	0.1234	0.0000	OK
5760 minute summer	S5	2940	1.375	0.077	12.5	0.1356	0.0000	OK
5760 minute summer	S6	4020	1.363	0.173	21.2	0.3053	0.0000	OK
5760 minute summer	S8	4020	1.363	0.062	6.3	0.1093	0.0000	OK
5760 minute summer	S9	4020	1.363	0.161	6.3	0.2841	0.0000	OK
5760 minute summer	S3 [CP]	4020	1.363	0.255	21.2	0.3645	0.0000	OK
5760 minute summer	HW1							
5760 minute summer	S4 [control]	4440	1.379	0.639	13.6	1.1292	0.0000	SURCHARGED
5760 minute summer	HW3	2820	0.763	0.047	5.0	0.0000	0.0000	OK
5760 minute summer	HW2							
5760 minute summer	Pond	4020	1.363	0.583	24.7	1132.1090	0.0000	SURCHARGED
5760 minute summer	S10	2940	1.700	0.024	0.9	0.0427	0.0000	OK
5760 minute summer	S12	2940	1.442	0.030	1.4	0.0524	0.0000	OK
5760 minute summer	S11	2880	1.653	0.019	0.5	0.0329	0.0000	OK
5760 minute summer	S13	2940	1.654	0.024	0.9	0.0427	0.0000	OK
5760 minute summer	S15	2940	1.408	0.042	2.8	0.0749	0.0000	OK
5760 minute summer	S14	2940	1.607	0.019	0.5	0.0328	0.0000	OK
5760 minute summer	S16	2940	1.383	0.041	2.8	0.0722	0.0000	OK
5760 minute summer	S17	4020	1.363	0.097	3.5	0.1709	0.0000	OK
5760 minute summer	HW4							
5760 minute summer	S1 [CP]	2940	1.643	0.030	1.5	0.0429	0.0000	OK
5760 minute summer	S2 [CP]	2940	1.374	0.035	2.0	0.0503	0.0000	OK
5760 minute summer	S2a [CP]	4020	1.363	0.095	2.4	0.1356	0.0000	OK

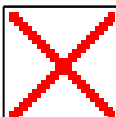
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S1	1.000	S2	6.3	0.459	0.018	0.6218	
5760 minute summer	S2	1.001	S3	7.2	0.483	0.021	0.4927	
5760 minute summer	S3	1.002	S4	8.0	0.478	0.023	0.4610	
5760 minute summer	S4	1.003	S5	10.2	0.521	0.030	0.8016	
5760 minute summer	S5	1.004	S6	12.5	0.485	0.036	1.7941	
5760 minute summer	S6	1.005	S3 [CP]	21.2	0.697	0.059	2.6643	
5760 minute summer	S8	2.003	S9	6.3	0.326	0.018	1.4954	
5760 minute summer	S9	2.004	S6	6.3	0.222	0.018	0.3022	
5760 minute summer	S3 [CP]	1.006	Pond	21.2	0.750	0.059	1.2345	
5760 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1045	1277.0
5760 minute summer	Pond	1.009	S4 [control]	13.6	0.101	0.088	2.7750	
5760 minute summer	S10	4.000	S12	0.9	0.370	0.013	0.0668	
5760 minute summer	S12	4.001	S15	1.4	0.237	0.009	0.1083	
5760 minute summer	S11	5.000	S12	0.5	0.312	0.007	0.0282	
5760 minute summer	S13	6.000	S15	0.9	0.370	0.013	0.0668	
5760 minute summer	S15	4.002	S16	2.8	0.384	0.017	0.0694	
5760 minute summer	S14	7.000	S15	0.5	0.313	0.007	0.0278	
5760 minute summer	S16	4.003	S17	2.8	0.356	0.017	0.4208	
5760 minute summer	S17	4.004	Pond	3.5	0.453	0.022	1.0086	
5760 minute summer	S1 [CP]	3.000	S2 [CP]	1.5	0.366	0.021	0.2731	
5760 minute summer	S2 [CP]	3.001	S2a [CP]	2.0	0.455	0.028	0.1858	
5760 minute summer	S2a [CP]	3.002	S6	2.4	0.206	0.026	0.3369	



Results for 100 year +40% CC 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 100.00%

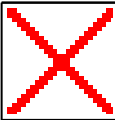
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	S18	2940	1.942	0.027	1.2	0.0307	0.0000	OK
5760 minute summer	S19	2940	1.619	0.027	1.2	0.0305	0.0000	OK
5760 minute summer	S20	2940	1.579	0.032	1.6	0.0356	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	S18	2.000	S19	1.2	0.385	0.017	0.2433	
5760 minute summer	S19	2.001	S20	1.2	0.342	0.017	0.0379	
5760 minute summer	S20	2.002	S8	1.6	0.430	0.022	0.1281	



Results for 100 year +40% CC 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.99%

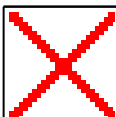
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S1	2880	1.712	0.047	4.5	0.0839	0.0000	OK
5760 minute winter	S2	2880	1.602	0.050	5.1	0.0891	0.0000	OK
5760 minute winter	S3	2880	1.522	0.053	5.7	0.0936	0.0000	OK
5760 minute winter	S4	2940	1.460	0.060	7.3	0.1053	0.0000	OK
5760 minute winter	S5	4440	1.436	0.138	9.0	0.2432	0.0000	OK
5760 minute winter	S6	4440	1.436	0.246	15.4	0.4339	0.0000	OK
5760 minute winter	S8	4440	1.436	0.135	4.6	0.2378	0.0000	OK
5760 minute winter	S9	4440	1.436	0.234	4.6	0.4127	0.0000	OK
5760 minute winter	S3 [CP]	4440	1.436	0.328	15.4	0.4687	0.0000	OK
5760 minute winter	HW1							
5760 minute winter	S4 [control]	3900	1.447	0.707	20.2	1.2488	0.0000	SURCHARGED
5760 minute winter	HW3	2700	0.763	0.047	5.0	0.0000	0.0000	OK
5760 minute winter	HW2							
5760 minute winter	Pond	4440	1.436	0.656	18.0	1293.9880	0.0000	SURCHARGED
5760 minute winter	S10	2640	1.696	0.020	0.6	0.0357	0.0000	OK
5760 minute winter	S12	2880	1.437	0.025	1.0	0.0446	0.0000	OK
5760 minute winter	S11	2880	1.651	0.017	0.4	0.0296	0.0000	OK
5760 minute winter	S13	2940	1.652	0.022	0.7	0.0382	0.0000	OK
5760 minute winter	S15	4440	1.436	0.070	2.1	0.1229	0.0000	OK
5760 minute winter	S14	2940	1.605	0.017	0.4	0.0295	0.0000	OK
5760 minute winter	S16	4440	1.436	0.094	2.1	0.1653	0.0000	OK
5760 minute winter	S17	4440	1.436	0.170	2.6	0.2996	0.0000	OK
5760 minute winter	HW4							
5760 minute winter	S1 [CP]	2820	1.639	0.026	1.1	0.0371	0.0000	OK
5760 minute winter	S2 [CP]	4440	1.436	0.097	1.5	0.1382	0.0000	OK
5760 minute winter	S2a [CP]	4440	1.436	0.168	1.8	0.2398	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S1	1.000	S2	4.5	0.417	0.013	0.4884	
5760 minute winter	S2	1.001	S3	5.1	0.438	0.015	0.3854	
5760 minute winter	S3	1.002	S4	5.7	0.433	0.017	0.3637	
5760 minute winter	S4	1.003	S5	7.3	0.470	0.021	1.1364	
5760 minute winter	S5	1.004	S6	9.0	0.449	0.026	3.3802	
5760 minute winter	S6	1.005	S3 [CP]	15.4	0.634	0.043	3.9149	
5760 minute winter	S8	2.003	S9	4.6	0.313	0.013	2.9294	
5760 minute winter	S9	2.004	S6	4.6	0.216	0.013	0.4969	
5760 minute winter	S3 [CP]	1.006	Pond	15.4	0.680	0.043	1.6734	
5760 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	1275.5
5760 minute winter	Pond	1.009	S4 [control]	20.2	0.127	0.132	2.7750	
5760 minute winter	S10	4.000	S12	0.6	0.332	0.008	0.0498	
5760 minute winter	S12	4.001	S15	1.0	0.222	0.006	0.1701	
5760 minute winter	S11	5.000	S12	0.4	0.289	0.006	0.0243	
5760 minute winter	S13	6.000	S15	0.7	0.349	0.010	0.0555	
5760 minute winter	S15	4.002	S16	2.1	0.353	0.013	0.1869	
5760 minute winter	S14	7.000	S15	0.4	0.290	0.006	0.0240	
5760 minute winter	S16	4.003	S17	2.1	0.326	0.013	1.1963	
5760 minute winter	S17	4.004	Pond	2.6	0.424	0.016	1.8254	
5760 minute winter	S1 [CP]	3.000	S2 [CP]	1.1	0.339	0.015	0.6872	
5760 minute winter	S2 [CP]	3.001	S2a [CP]	1.5	0.418	0.021	0.5149	
5760 minute winter	S2a [CP]	3.002	S6	1.8	0.195	0.019	0.5640	



Results for 100 year +40% CC 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	S18	2940	1.939	0.024	0.9	0.0268	0.0000	OK
5760 minute winter	S19	2940	1.616	0.024	0.9	0.0266	0.0000	OK
5760 minute winter	S20	2940	1.575	0.028	1.2	0.0311	0.0000	OK

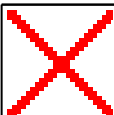
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	S18	2.000	S19	0.9	0.352	0.013	0.1997	
5760 minute winter	S19	2.001	S20	0.9	0.314	0.013	0.0310	
5760 minute winter	S20	2.002	S8	1.2	0.395	0.017	0.1048	



Results for 100 year +40% CC 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	S1	3660	1.716	0.051	5.2	0.0898	0.0000	OK
7200 minute summer	S2	3660	1.606	0.054	5.9	0.0956	0.0000	OK
7200 minute summer	S3	3660	1.526	0.057	6.6	0.1002	0.0000	OK
7200 minute summer	S4	3660	1.464	0.064	8.4	0.1126	0.0000	OK
7200 minute summer	S5	3660	1.368	0.070	10.3	0.1237	0.0000	OK
7200 minute summer	S6	4800	1.327	0.137	17.5	0.2428	0.0000	OK
7200 minute summer	S8	3660	1.352	0.051	5.2	0.0896	0.0000	OK
7200 minute summer	S9	4800	1.327	0.125	5.2	0.2216	0.0000	OK
7200 minute summer	S3 [CP]	4800	1.327	0.219	17.5	0.3138	0.0000	OK
7200 minute summer	HW1							
7200 minute summer	S4 [control]	4800	1.327	0.587	5.0	1.0376	0.0000	SURCHARGED
7200 minute summer	HW3	3600	0.763	0.047	5.0	0.0000	0.0000	OK
7200 minute summer	HW2							
7200 minute summer	Pond	4800	1.327	0.547	20.4	1055.0330	0.0000	SURCHARGED
7200 minute summer	S10	3600	1.698	0.022	0.7	0.0382	0.0000	OK
7200 minute summer	S12	3600	1.438	0.026	1.1	0.0466	0.0000	OK
7200 minute summer	S11	3540	1.651	0.017	0.4	0.0296	0.0000	OK
7200 minute summer	S13	3660	1.653	0.023	0.8	0.0405	0.0000	OK
7200 minute summer	S15	3660	1.405	0.039	2.3	0.0681	0.0000	OK
7200 minute summer	S14	3540	1.605	0.017	0.4	0.0295	0.0000	OK
7200 minute summer	S16	3660	1.379	0.037	2.3	0.0658	0.0000	OK
7200 minute summer	S17	4800	1.327	0.061	2.9	0.1083	0.0000	OK
7200 minute summer	HW4							
7200 minute summer	S1 [CP]	3660	1.641	0.028	1.3	0.0401	0.0000	OK
7200 minute summer	S2 [CP]	3660	1.372	0.033	1.7	0.0466	0.0000	OK
7200 minute summer	S2a [CP]	4800	1.327	0.059	2.0	0.0850	0.0000	OK

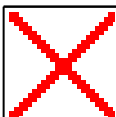
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	S1	1.000	S2	5.2	0.437	0.015	0.5401	
7200 minute summer	S2	1.001	S3	5.9	0.456	0.017	0.4275	
7200 minute summer	S3	1.002	S4	6.6	0.450	0.019	0.4022	
7200 minute summer	S4	1.003	S5	8.4	0.492	0.025	0.7005	
7200 minute summer	S5	1.004	S6	10.3	0.459	0.030	1.1925	
7200 minute summer	S6	1.005	S3 [CP]	17.5	0.661	0.048	2.0869	
7200 minute summer	S8	2.003	S9	5.2	0.313	0.015	0.9263	
7200 minute summer	S9	2.004	S6	5.2	0.215	0.015	0.2158	
7200 minute summer	S3 [CP]	1.006	Pond	17.5	0.708	0.049	1.0236	
7200 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1045	1591.3
7200 minute summer	Pond	1.009	S4 [control]	5.0	0.101	0.033	2.7750	
7200 minute summer	S10	4.000	S12	0.7	0.349	0.010	0.0555	
7200 minute summer	S12	4.001	S15	1.1	0.222	0.007	0.0931	
7200 minute summer	S11	5.000	S12	0.4	0.289	0.006	0.0243	
7200 minute summer	S13	6.000	S15	0.8	0.360	0.011	0.0610	
7200 minute summer	S15	4.002	S16	2.3	0.363	0.014	0.0603	
7200 minute summer	S14	7.000	S15	0.4	0.290	0.006	0.0240	
7200 minute summer	S16	4.003	S17	2.3	0.334	0.014	0.2340	
7200 minute summer	S17	4.004	Pond	2.9	0.436	0.018	0.6544	
7200 minute summer	S1 [CP]	3.000	S2 [CP]	1.3	0.352	0.018	0.2451	
7200 minute summer	S2 [CP]	3.001	S2a [CP]	1.7	0.436	0.024	0.0970	
7200 minute summer	S2a [CP]	3.002	S6	2.0	0.197	0.021	0.2279	



Results for 100 year +40% CC 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance: 100.00%

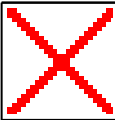
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	S18	3660	1.940	0.025	1.0	0.0281	0.0000	OK
7200 minute summer	S19	3660	1.617	0.025	1.0	0.0280	0.0000	OK
7200 minute summer	S20	3660	1.576	0.029	1.3	0.0323	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	S18	2.000	S19	1.0	0.364	0.014	0.2146	
7200 minute summer	S19	2.001	S20	1.0	0.329	0.014	0.0330	
7200 minute summer	S20	2.002	S8	1.3	0.403	0.018	0.1112	



Results for 100 year +40% CC 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 100.00%

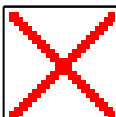
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	S1	3660	1.709	0.044	3.8	0.0776	0.0000	OK
7200 minute winter	S2	3660	1.598	0.046	4.3	0.0821	0.0000	OK
7200 minute winter	S3	3660	1.518	0.049	4.8	0.0863	0.0000	OK
7200 minute winter	S4	3660	1.455	0.055	6.1	0.0968	0.0000	OK
7200 minute winter	S5	5280	1.384	0.086	7.5	0.1512	0.0000	OK
7200 minute winter	S6	5280	1.383	0.193	12.6	0.3418	0.0000	OK
7200 minute winter	S8	5280	1.383	0.082	3.7	0.1458	0.0000	OK
7200 minute winter	S9	5280	1.383	0.181	3.7	0.3206	0.0000	OK
7200 minute winter	S3 [CP]	5280	1.383	0.275	12.6	0.3941	0.0000	OK
7200 minute winter	HW1							
7200 minute winter	S4 [control]	5160	1.421	0.681	20.2	1.2027	0.0000	SURCHARGED
7200 minute winter	HW3	3420	0.763	0.047	5.0	0.0000	0.0000	OK
7200 minute winter	HW2							
7200 minute winter	Pond	5280	1.383	0.603	15.8	1177.6960	0.0000	SURCHARGED
7200 minute winter	S10	3240	1.695	0.019	0.5	0.0328	0.0000	OK
7200 minute winter	S12	3240	1.435	0.023	0.8	0.0402	0.0000	OK
7200 minute winter	S11	3180	1.649	0.015	0.3	0.0260	0.0000	OK
7200 minute winter	S13	3180	1.649	0.019	0.5	0.0328	0.0000	OK
7200 minute winter	S15	3240	1.398	0.032	1.6	0.0573	0.0000	OK
7200 minute winter	S14	3240	1.603	0.015	0.3	0.0259	0.0000	OK
7200 minute winter	S16	5280	1.384	0.042	1.6	0.0734	0.0000	OK
7200 minute winter	S17	5280	1.383	0.117	2.0	0.2074	0.0000	OK
7200 minute winter	HW4							
7200 minute winter	S1 [CP]	3420	1.637	0.024	0.9	0.0338	0.0000	OK
7200 minute winter	S2 [CP]	5280	1.383	0.044	1.2	0.0636	0.0000	OK
7200 minute winter	S2a [CP]	5280	1.383	0.115	1.4	0.1652	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	S1	1.000	S2	3.8	0.397	0.011	0.4338	
7200 minute winter	S2	1.001	S3	4.3	0.415	0.013	0.3423	
7200 minute winter	S3	1.002	S4	4.8	0.411	0.014	0.3219	
7200 minute winter	S4	1.003	S5	6.1	0.446	0.018	0.6168	
7200 minute winter	S5	1.004	S6	7.5	0.426	0.022	2.2158	
7200 minute winter	S6	1.005	S3 [CP]	12.6	0.603	0.035	3.0135	
7200 minute winter	S8	2.003	S9	3.7	0.298	0.011	1.8740	
7200 minute winter	S9	2.004	S6	3.7	0.205	0.011	0.3556	
7200 minute winter	S3 [CP]	1.006	Pond	12.6	0.653	0.035	1.3592	
7200 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	1627.1
7200 minute winter	Pond	1.009	S4 [control]	20.2	0.127	0.132	2.7750	
7200 minute winter	S10	4.000	S12	0.5	0.313	0.007	0.0440	
7200 minute winter	S12	4.001	S15	0.8	0.203	0.005	0.0729	
7200 minute winter	S11	5.000	S12	0.3	0.268	0.004	0.0200	
7200 minute winter	S13	6.000	S15	0.5	0.313	0.007	0.0440	
7200 minute winter	S15	4.002	S16	1.6	0.325	0.010	0.0469	
7200 minute winter	S14	7.000	S15	0.3	0.268	0.004	0.0197	
7200 minute winter	S16	4.003	S17	1.6	0.312	0.010	0.6119	
7200 minute winter	S17	4.004	Pond	2.0	0.396	0.012	1.2319	
7200 minute winter	S1 [CP]	3.000	S2 [CP]	0.9	0.313	0.013	0.2545	
7200 minute winter	S2 [CP]	3.001	S2a [CP]	1.2	0.395	0.017	0.2698	
7200 minute winter	S2a [CP]	3.002	S6	1.4	0.184	0.015	0.4028	



Results for 100 year +40% CC 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	S18	3360	1.936	0.021	0.7	0.0239	0.0000	OK
7200 minute winter	S19	3360	1.613	0.021	0.7	0.0238	0.0000	OK
7200 minute winter	S20	3360	1.571	0.024	0.9	0.0274	0.0000	OK

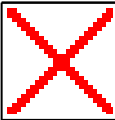
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	S18	2.000	S19	0.7	0.326	0.010	0.1679	
7200 minute winter	S19	2.001	S20	0.7	0.292	0.010	0.0259	
7200 minute winter	S20	2.002	S8	0.9	0.370	0.013	0.0838	



Results for 100 year +40% CC 10080 minute summer. 10320 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	S1	5100	1.710	0.045	4.0	0.0795	0.0000	OK
10080 minute summer	S2	5100	1.600	0.048	4.5	0.0839	0.0000	OK
10080 minute summer	S3	5100	1.519	0.050	5.0	0.0880	0.0000	OK
10080 minute summer	S4	5100	1.456	0.056	6.4	0.0990	0.0000	OK
10080 minute summer	S5	5100	1.360	0.062	7.9	0.1091	0.0000	OK
10080 minute summer	S6	5100	1.270	0.080	13.3	0.1405	0.0000	OK
10080 minute summer	S8	5100	1.345	0.044	3.9	0.0784	0.0000	OK
10080 minute summer	S9	5100	1.271	0.069	3.9	0.1220	0.0000	OK
10080 minute summer	S3 [CP]	6360	1.261	0.153	13.3	0.2189	0.0000	OK
10080 minute summer	HW1							
10080 minute summer	S4 [control]	6360	1.261	0.521	5.0	0.9203	0.0000	SURCHARGED
10080 minute summer	HW3	5100	0.763	0.047	5.0	0.0000	0.0000	OK
10080 minute summer	HW2							
10080 minute summer	Pond	6360	1.261	0.481	15.5	913.5542	0.0000	SURCHARGED
10080 minute summer	S10	5100	1.696	0.020	0.6	0.0357	0.0000	OK
10080 minute summer	S12	5100	1.436	0.024	0.9	0.0424	0.0000	OK
10080 minute summer	S11	4860	1.649	0.015	0.3	0.0260	0.0000	OK
10080 minute summer	S13	5040	1.650	0.020	0.6	0.0357	0.0000	OK
10080 minute summer	S15	5100	1.400	0.034	1.8	0.0605	0.0000	OK
10080 minute summer	S14	4860	1.603	0.015	0.3	0.0259	0.0000	OK
10080 minute summer	S16	5100	1.375	0.033	1.8	0.0588	0.0000	OK
10080 minute summer	S17	5100	1.304	0.038	2.2	0.0671	0.0000	OK
10080 minute summer	HW4							
10080 minute summer	S1 [CP]	5100	1.638	0.025	1.0	0.0355	0.0000	OK
10080 minute summer	S2 [CP]	5100	1.368	0.029	1.3	0.0410	0.0000	OK
10080 minute summer	S2a [CP]	5100	1.294	0.026	1.5	0.0378	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	S1	1.000	S2	4.0	0.404	0.012	0.4490	
10080 minute summer	S2	1.001	S3	4.5	0.421	0.013	0.3529	
10080 minute summer	S3	1.002	S4	5.0	0.415	0.015	0.3321	
10080 minute summer	S4	1.003	S5	6.4	0.452	0.019	0.5806	
10080 minute summer	S5	1.004	S6	7.9	0.426	0.023	0.8009	
10080 minute summer	S6	1.005	S3 [CP]	13.3	0.612	0.037	1.1115	
10080 minute summer	S8	2.003	S9	3.9	0.292	0.011	0.5369	
10080 minute summer	S9	2.004	S6	3.9	0.197	0.011	0.0945	
10080 minute summer	S3 [CP]	1.006	Pond	13.3	0.661	0.037	0.6467	
10080 minute summer	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	2146.1
10080 minute summer	Pond	1.009	S4 [control]	5.0	0.102	0.033	2.7750	
10080 minute summer	S10	4.000	S12	0.6	0.332	0.008	0.0498	
10080 minute summer	S12	4.001	S15	0.9	0.211	0.006	0.0793	
10080 minute summer	S11	5.000	S12	0.3	0.268	0.004	0.0200	
10080 minute summer	S13	6.000	S15	0.6	0.332	0.008	0.0498	
10080 minute summer	S15	4.002	S16	1.8	0.336	0.011	0.0509	
10080 minute summer	S14	7.000	S15	0.3	0.268	0.004	0.0197	
10080 minute summer	S16	4.003	S17	1.8	0.311	0.011	0.1769	
10080 minute summer	S17	4.004	Pond	2.2	0.406	0.014	0.2039	
10080 minute summer	S1 [CP]	3.000	S2 [CP]	1.0	0.327	0.014	0.2038	
10080 minute summer	S2 [CP]	3.001	S2a [CP]	1.3	0.405	0.018	0.0550	
10080 minute summer	S2a [CP]	3.002	S6	1.5	0.179	0.016	0.0990	



Stafford Infrastructure Eng.
13 Gostwick
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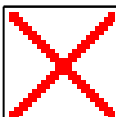
File: 9059 Cowper's Gate - Final SW layout
Network:
Terry Stafford
27/01/2025

Page 238

Results for 100 year +40% CC 10080 minute summer. 10320 minute analysis at 60 minute timestep. Mass balance: 100.00%

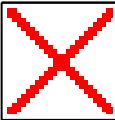
Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	S18	4980	1.936	0.021	0.7	0.0239	0.0000	OK
10080 minute summer	S19	4980	1.613	0.021	0.7	0.0238	0.0000	OK
10080 minute summer	S20	4980	1.571	0.024	0.9	0.0274	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	S18	2.000	S19	0.7	0.326	0.010	0.1679	
10080 minute summer	S19	2.001	S20	0.7	0.292	0.010	0.0259	
10080 minute summer	S20	2.002	S8	0.9	0.370	0.013	0.0838	



Results for 100 year +40% CC 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	S1	5040	1.704	0.039	2.9	0.0688	0.0000	OK
10080 minute winter	S2	5040	1.593	0.041	3.3	0.0728	0.0000	OK
10080 minute winter	S3	5040	1.512	0.043	3.7	0.0766	0.0000	OK
10080 minute winter	S4	5040	1.448	0.048	4.7	0.0856	0.0000	OK
10080 minute winter	S5	5100	1.351	0.053	5.8	0.0944	0.0000	OK
10080 minute winter	S6	6900	1.287	0.097	9.8	0.1717	0.0000	OK
10080 minute winter	S8	5100	1.340	0.039	2.9	0.0687	0.0000	OK
10080 minute winter	S9	6900	1.287	0.085	2.9	0.1506	0.0000	OK
10080 minute winter	S3 [CP]	6960	1.287	0.179	9.8	0.2560	0.0000	OK
10080 minute winter	HW1							
10080 minute winter	S4 [control]	6960	1.287	0.547	5.0	0.9661	0.0000	SURCHARGED
10080 minute winter	HW3	5040	0.763	0.047	5.0	0.0000	0.0000	OK
10080 minute winter	HW2							
10080 minute winter	Pond	6960	1.287	0.507	11.3	968.4088	0.0000	SURCHARGED
10080 minute winter	S10	4560	1.693	0.017	0.4	0.0295	0.0000	OK
10080 minute winter	S12	4560	1.432	0.020	0.6	0.0354	0.0000	OK
10080 minute winter	S11	3960	1.646	0.012	0.2	0.0221	0.0000	OK
10080 minute winter	S13	4440	1.647	0.017	0.4	0.0295	0.0000	OK
10080 minute winter	S15	4560	1.394	0.028	1.2	0.0500	0.0000	OK
10080 minute winter	S14	4020	1.600	0.012	0.2	0.0220	0.0000	OK
10080 minute winter	S16	4560	1.370	0.028	1.2	0.0488	0.0000	OK
10080 minute winter	S17	4560	1.298	0.032	1.5	0.0568	0.0000	OK
10080 minute winter	HW4							
10080 minute winter	S1 [CP]	4740	1.634	0.021	0.7	0.0301	0.0000	OK
10080 minute winter	S2 [CP]	4740	1.363	0.024	0.9	0.0344	0.0000	OK
10080 minute winter	S2a [CP]	4740	1.291	0.023	1.1	0.0327	0.0000	OK
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	S1	1.000	S2	2.9	0.365	0.008	0.3603	
10080 minute winter	S2	1.001	S3	3.3	0.382	0.010	0.2857	
10080 minute winter	S3	1.002	S4	3.7	0.377	0.011	0.2691	
10080 minute winter	S4	1.003	S5	4.7	0.414	0.014	0.4679	
10080 minute winter	S5	1.004	S6	5.8	0.389	0.017	0.7840	
10080 minute winter	S6	1.005	S3 [CP]	9.8	0.561	0.027	1.4714	
10080 minute winter	S8	2.003	S9	2.9	0.279	0.008	0.5641	
10080 minute winter	S9	2.004	S6	2.9	0.191	0.008	0.1277	
10080 minute winter	S3 [CP]	1.006	Pond	9.8	0.611	0.027	0.7901	
10080 minute winter	S4 [control]	1.010	HW3	5.0	0.509	0.033	0.1046	2278.7
10080 minute winter	Pond	1.009	S4 [control]	5.0	0.101	0.033	2.7750	
10080 minute winter	S10	4.000	S12	0.4	0.290	0.006	0.0379	
10080 minute winter	S12	4.001	S15	0.6	0.184	0.004	0.0593	
10080 minute winter	S11	5.000	S12	0.2	0.267	0.003	0.0133	
10080 minute winter	S13	6.000	S15	0.4	0.290	0.006	0.0379	
10080 minute winter	S15	4.002	S16	1.2	0.298	0.007	0.0383	
10080 minute winter	S14	7.000	S15	0.2	0.268	0.003	0.0131	
10080 minute winter	S16	4.003	S17	1.2	0.271	0.007	0.1361	
10080 minute winter	S17	4.004	Pond	1.5	0.363	0.009	0.3174	
10080 minute winter	S1 [CP]	3.000	S2 [CP]	0.7	0.294	0.010	0.1581	
10080 minute winter	S2 [CP]	3.001	S2a [CP]	0.9	0.356	0.013	0.0434	
10080 minute winter	S2a [CP]	3.002	S6	1.1	0.173	0.012	0.1192	



Results for 100 year +40% CC 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	S18	4440	1.933	0.018	0.5	0.0204	0.0000	OK
10080 minute winter	S19	4440	1.610	0.018	0.5	0.0203	0.0000	OK
10080 minute winter	S20	4500	1.569	0.022	0.7	0.0245	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	S18	2.000	S19	0.5	0.294	0.007	0.1330	
10080 minute winter	S19	2.001	S20	0.5	0.270	0.007	0.0213	
10080 minute winter	S20	2.002	S8	0.7	0.349	0.010	0.0696	

BAG IT & BIN IT

DO NOT FLUSH IT, BAG IT AND BIN IT



Pet Faeces



Paint



Engine Oil



Bandages



Cotton Wool



Condoms



Medicines



Nappies/incontinence products



Needles



Rags



Cooking Fat



Kitchen Waste



Razor Blades