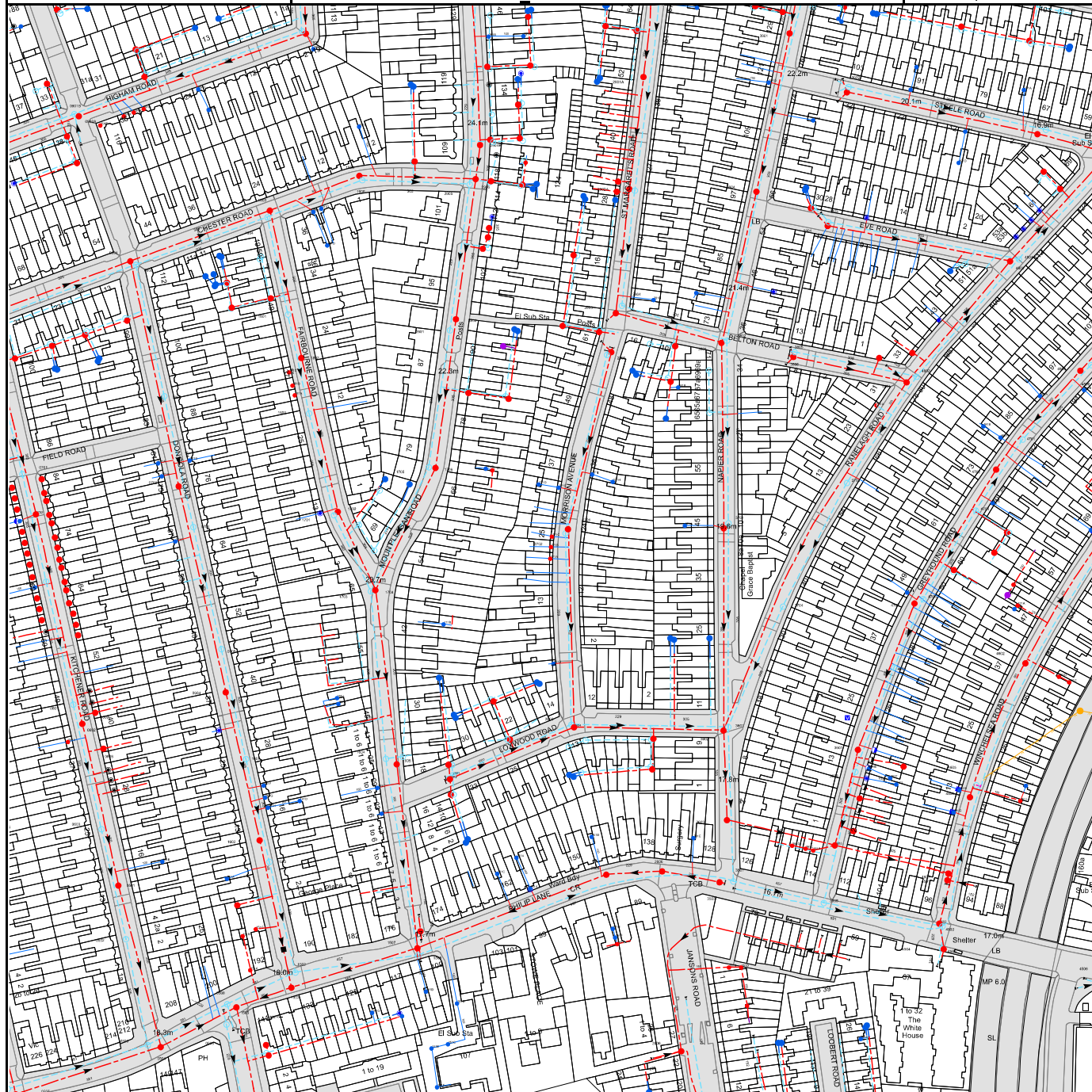




The width of the displayed area is 500m and the centre of the map is located at OS coordinates 533250, 189750

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NB. Levels quoted in metres Ordnance Newlyn Datum. The value -9999.00 indicates that no survey information is available

Manhole Reference	Manhole Cover Level	Manhole Invert Level
091C	n/a	n/a
09VY	n/a	n/a
09WX	n/a	n/a
09WQ	n/a	n/a
09XS	n/a	n/a
08SS	n/a	n/a
08SY	n/a	n/a
08SV	n/a	n/a
08SX	n/a	n/a
08VV	n/a	n/a
08TZ	n/a	n/a
0801	25.34	22.81
0802	25.27	23.38
071A	n/a	n/a
071B	n/a	n/a
0803	23.71	22.26
071C	n/a	n/a
0703	22.76	20.86
071D	n/a	n/a
0704	22.25	19.07
08QT	n/a	n/a
08QV	n/a	n/a
08QW	n/a	n/a
08QX	n/a	n/a
0706	21.01	19.82
08RS	n/a	n/a
08RP	n/a	n/a
18VT	n/a	n/a
18VS	n/a	n/a
18VY	n/a	n/a
18VR	n/a	n/a
1801	23.59	22.07
09SS	n/a	n/a
09SY	n/a	n/a
09SW	n/a	n/a
09SX	n/a	n/a
09RX	n/a	n/a
0907	n/a	n/a
09SP	n/a	n/a
09VR	n/a	n/a
09TV	n/a	n/a
0901B	25.03	23.31
09TZ	n/a	n/a
09TW	n/a	n/a
0902A	25.09	22.85
09SR	n/a	n/a
09RZ	n/a	n/a
091D	n/a	n/a
091A	n/a	n/a
091B	n/a	n/a
09VZ	n/a	n/a
09WR	n/a	n/a
0732	n/a	n/a
0731	n/a	n/a
0730	n/a	n/a
0729	n/a	n/a
0728	n/a	n/a
0727	n/a	n/a
0726	n/a	n/a
0725	n/a	n/a
0724	n/a	n/a
0723	n/a	n/a
0705	22.78	21.58
0711	n/a	n/a
0712	n/a	n/a
0713	n/a	n/a
0714	n/a	n/a
0715	n/a	n/a
0716	n/a	n/a
0717	n/a	n/a
0718	n/a	n/a
061A	n/a	n/a
0719	n/a	n/a
0601	21.51	20.36
0720	n/a	n/a
0721	n/a	n/a
0722	n/a	n/a
0602	21.41	19.2
0735	n/a	n/a
0734	n/a	n/a
08SR	n/a	n/a
0733	n/a	n/a
0701	23.95	22.63
0702	23.45	21.16
0708	n/a	n/a
0709	n/a	n/a
0710	n/a	n/a
08RZ	n/a	n/a
08RW	n/a	n/a
08SQ	n/a	n/a

Manhole Reference	Manhole Cover Level	Manhole Invert Level
08RY	n/a	n/a
29XY	n/a	n/a
29XV	n/a	n/a
29XT	n/a	n/a
29YS	n/a	n/a
29VZ	n/a	n/a
29VR	n/a	n/a
29VT	n/a	n/a
3901	22.39	19.86
2917	n/a	n/a
2918	n/a	n/a
39ST	n/a	n/a
39SW	n/a	n/a
39RQ	n/a	n/a
391E	n/a	n/a
39QZ	n/a	n/a
391A	n/a	n/a
39SX	n/a	n/a
391B	n/a	n/a
39RR	n/a	n/a
391C	n/a	n/a
491C	n/a	n/a
49TV	n/a	n/a
49TS	n/a	n/a
49VQ	n/a	n/a
49TY	n/a	n/a
49VR	n/a	n/a
49TZ	n/a	n/a
39TP	n/a	n/a
39SY	n/a	n/a
49TW	n/a	n/a
091F	n/a	n/a
091E	n/a	n/a
1901	25.34	23.54
1902	25.37	23.1
191B	n/a	n/a
191A	n/a	n/a
19VY	n/a	n/a
19VW	n/a	n/a
19VT	n/a	n/a
19VR	n/a	n/a
2904B	24.02	21.1
29XR	n/a	n/a
291B	n/a	n/a
29YP	n/a	n/a
29SP	n/a	n/a
29SQ	n/a	n/a
29ST	n/a	n/a
29TS	n/a	n/a
29TQ	n/a	n/a
29TP	n/a	n/a
29SW	n/a	n/a
29SV	n/a	n/a
291A	n/a	n/a
29RV	n/a	n/a
29XS	n/a	n/a
29YQ	n/a	n/a
29WQ	n/a	n/a
29VY	n/a	n/a
29VW	n/a	n/a
18VW	n/a	n/a
18WQ	n/a	n/a
08RR	n/a	n/a
08RV	n/a	n/a
28WS	n/a	n/a
28WW	n/a	n/a
28RT	n/a	n/a
28RY	n/a	n/a
181D	n/a	n/a
28RV	n/a	n/a
28RW	n/a	n/a
1904	24.75	23.09
191C	n/a	n/a
1903	24.76	22.41
29WX	n/a	n/a
29WZ	n/a	n/a
29QX	n/a	n/a
29RW	n/a	n/a
29RS	n/a	n/a
2905	23.76	22.62
29RP	n/a	n/a
29RY	n/a	n/a
29RR	n/a	n/a
1906	24.3	22.98
2906	23.77	20.75
1905	24.28	21.89
29RT	n/a	n/a
4803	18.67	16.61
4804	18.5	16.69
3804	21.06	18.98
3803	21.09	19.76
39RY	n/a	n/a
39RT	n/a	n/a

Manhole Reference	Manhole Cover Level	Manhole Invert Level
29XP	n/a	n/a
2907	n/a	n/a
3904	21.81	19.26
2903B	22.71	20.68
39SP	n/a	n/a
49TP	n/a	n/a
2902A	22.68	20.04
49SV	n/a	n/a
39RW	n/a	n/a
2908	n/a	n/a
49SX	n/a	n/a
49SW	n/a	n/a
4902	17.21	14.57
4901	16.98	15.26
391F	n/a	n/a
3903	21.5	19.04
491A	n/a	n/a
491B	n/a	n/a
3902	21.47	20.01
391D	n/a	n/a
2901A	23.43	20.71
28ST	n/a	n/a
28SR	n/a	n/a
38SY	n/a	n/a
3813	n/a	n/a
3806	20.54	18.31
2806	21.75	20.43
4809	n/a	n/a
3805	20.65	19.22
2805	21.76	20
38TP	n/a	n/a
38TS	n/a	n/a
28SP	n/a	n/a
3801	21.21	18.6
3802	21.24	19.74
28TZ	n/a	n/a
28VV	n/a	n/a
28VP	n/a	n/a
28VY	n/a	n/a
28WV	n/a	n/a
28WR	n/a	n/a
2803	22	19.29
2804	21.98	20.18
281B	n/a	n/a
381C	n/a	n/a
48RV	n/a	n/a
48RR	n/a	n/a
48RX	n/a	n/a
481D	n/a	n/a
481E	n/a	n/a
4805	17.32	n/a
4806	17.27	15.77
4704	16.93	13.57
471C	n/a	n/a
271D	n/a	n/a
271A	n/a	n/a
271B	n/a	n/a
271C	n/a	n/a
261B	n/a	n/a
271E	n/a	n/a
2702	20.23	18.75
2701	20.24	17.85
271I	n/a	n/a
271H	n/a	n/a
38TW	n/a	n/a
38TQ	n/a	n/a
37WQ	n/a	n/a
38TT	n/a	n/a
37WS	n/a	n/a
381B	n/a	n/a
371A	n/a	n/a
38SX	n/a	n/a
37VZ	n/a	n/a
3702	19.61	17.2
3701	19.6	18.33
3704	18.5	17.23
3703	19.13	17.89
381A	n/a	n/a
4801	19.74	16.45
471I	n/a	n/a
4707	17.51	14.87
4802	19.69	18.38
181C	n/a	n/a
181B	n/a	n/a
181A	n/a	n/a
1802	23.22	20.55
1803	22.53	21.12
1701	21.52	20.13
1702	21.65	18.56
17WQ	n/a	n/a
1703	20.57	19.34
17WT	n/a	n/a
1704	20.59	17.52

Manhole Reference	Manhole Cover Level	Manhole Invert Level
17WR	n/a	n/a
17WP	n/a	n/a
17XW	n/a	n/a
1705	21.45	20.24
1706	21.54	18.47
16VW	n/a	n/a
171B	n/a	n/a
2801	22.54	21.57
2802	22.68	19.67
28VZ	n/a	n/a
28VR	n/a	n/a
271G	n/a	n/a
271F	n/a	n/a
281A	n/a	n/a
28VW	n/a	n/a
28VS	n/a	n/a
461G	n/a	n/a
461J	n/a	n/a
4606	16.57	14.06
461E	n/a	n/a
461H	n/a	n/a
4605	16.59	n/a
461C	n/a	n/a
461D	n/a	n/a
4602	16.76	13.82
471F	n/a	n/a
471B	n/a	n/a
471A	n/a	n/a
4706	17.46	16.29
471H	n/a	n/a
471G	n/a	n/a
4708	n/a	n/a
4709	n/a	n/a
47VT	n/a	n/a
47VP	n/a	n/a
47VS	n/a	n/a
4703	18.24	16.81
471E	n/a	n/a
4702	18.38	15.19
4701	18.11	16.58
481F	n/a	n/a
481B	n/a	n/a
481A	n/a	n/a
361E	n/a	n/a
261D	n/a	n/a
3611	n/a	n/a
3603	n/a	n/a
3615	n/a	n/a
461L	n/a	n/a
461F	n/a	n/a
26RX	n/a	n/a
26RR	n/a	n/a
26RQ	n/a	n/a
3606	16.5	15.48
26RV	n/a	n/a
361B	n/a	n/a
26RP	n/a	n/a
4609	n/a	n/a
3607	16.57	14.59
26QX	n/a	n/a
26QW	n/a	n/a
26QZ	n/a	n/a
26RT	n/a	n/a
3602	18.05	15.58
2604	18.86	16.22
3601	18.08	16.45
2603	18.86	17.15
26SY	n/a	n/a
26SS	n/a	n/a
4601	16.87	15.92
26VZ	n/a	n/a
1602	19.35	17.35
26VV	n/a	n/a
0603	20.34	19.07
161D	n/a	n/a
26VS	n/a	n/a
26VX	n/a	n/a
161C	n/a	n/a
2602	18.95	16.55
2601	18.94	17.43
26VP	n/a	n/a
26TY	n/a	n/a
1605	18.98	16.05
1601	19.99	18.73

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ALS Sewer Map Key

Public Sewer Types (Operated & Maintained by Thames Water)

	Foul: A sewer designed to convey waste water from domestic and industrial sources to a treatment works.
	Surface Water: A sewer designed to convey surface water (e.g. rain water from roofs, yards and car parks) to rivers or watercourses.
	Combined: A sewer designed to convey both waste water and surface water from domestic and industrial sources to a treatment works.
	Trunk Surface Water
	Storm Relief
	Trunk Foul
	Trunk Combined
	Vent Pipe
	Bio-solids (Sludge)
	Proposed Thames Surface Water Sewer
	Proposed Thames Foul Sewer
	Gallery
	Surface Water Main
	Combined Rising Main
	Sludge Rising Main
	Proposed Thames Water Rising Main
	Vacuum

Notes:

- 1) All levels associated with the plans are to Ordnance Datum Newlyn.
- 2) All measurements on the plans are metric.
- 3) Arrows (on gravity fed sewers) or flecks (on rising mains) indicate direction of flow.
- 4) Most private pipes are not shown on our plans, as in the past, this information has not been recorded.
- 5) 'na' or '0' on a manhole level indicates that data is unavailable.

Sewer Fittings

A feature in a sewer that does not affect the flow in the pipe. Example: a vent is a fitting as the function of a vent is to release excess gas.

	Air Valve
	Dam Chase
	Fitting
	Meier
	Vent Column

Operational Controls

A feature in a sewer that changes or diverts the flow in the sewer. Example: A hydrobrake limits the flow passing downstream.

	Control Valve
	Drop Pipe
	Ancillary
	Weir

End Items

End symbols appear at the start or end of a sewer pipe. Examples: an Undefined End at the start of a sewer indicates that Thames Water has no knowledge of the position of the sewer upstream of that symbol. Outfall on a surface water sewer indicates that the pipe discharges into a stream or river.

	Undefined End
	Inlet
	Outfall

Other Symbols

Symbols used on maps which do not fall under other general categories

	Public/Private Pumping Station
	Change of characteristic indicator (C.O.C.I.)
	Invert Level
	Summit

Areas

Lines denoting areas of underground surveys, etc.

	Agreement
	Operational Site
	Chamber
	Tunnel
	Conduit Bridge

Other Sewer Types (Not Operated or Maintained by Thames Water)

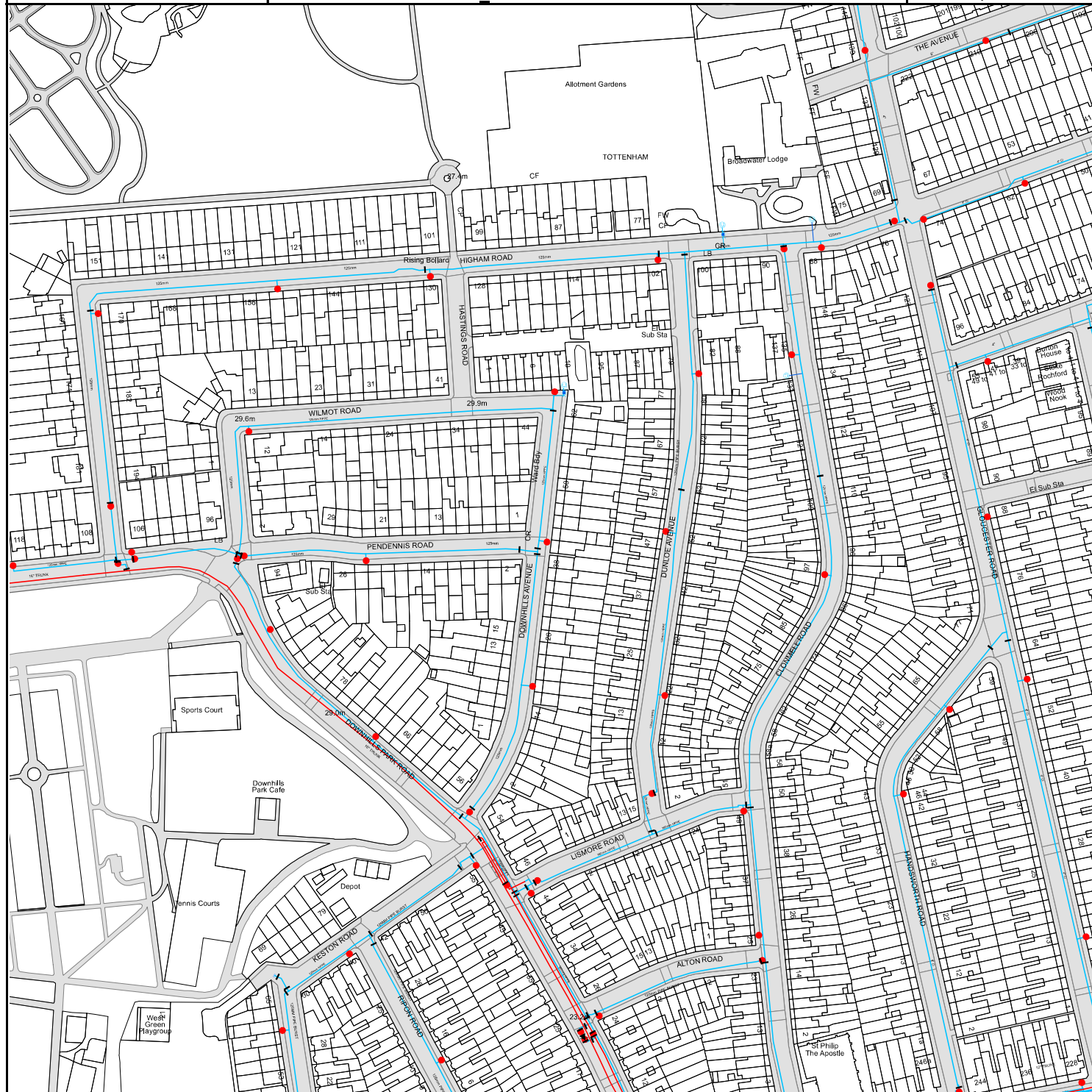
	Foul Sewer
	Combined Sewer
	Culverted Watercourse
	Surface Water Sewer
	Gully
	Proposed
	Abandoned Sewer



The width of the displayed area is 500m and the centre of the map is located at OS coordinates 533250,190250

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The width of the displayed area is 500m and the centre of the map is located at OS coordinates 532750,189750

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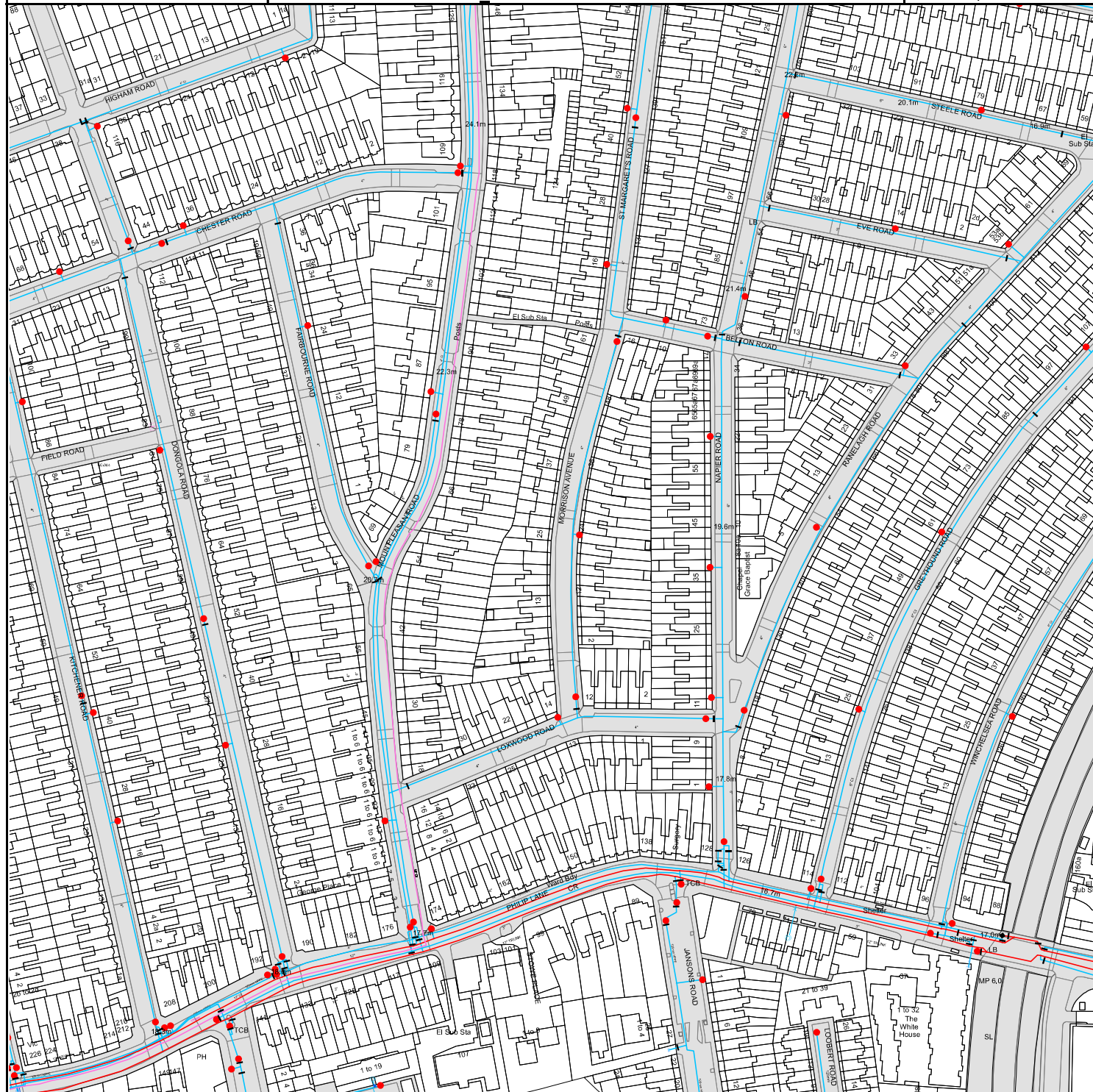
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The width of the displayed area is 500m and the centre of the map is located at OS coordinates 532750,190250

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ALS Water Map Key

Water Pipes (Operated & Maintained by Thames Water)

- 4"

Distribution Main: The most common pipe shown on water maps. With few exceptions, domestic connections are only made to distribution mains.
- 16"

Trunk Main: A main carrying water from a source of supply to a treatment plant or reservoir, or from one treatment plant or reservoir to another. Also a main transferring water in bulk to smaller water mains used for supplying individual customers.
- 3" SUPPLY

Supply Main: A supply main indicates that the water main is used as a supply for a single property or group of properties.
- 3" FIRE

Fire Main: Where a pipe is used as a fire supply, the word FIRE will be displayed along the pipe.
- 3" METERED

Metered Pipe: A metered main indicates that the pipe in question supplies water for a single property or group of properties and that quantity of water passing through the pipe is metered even though there may be no meter symbol shown.
- Transmission Tunnel:** A very large diameter water pipe. Most tunnels are buried very deep underground. These pipes are not expected to affect the structural integrity of buildings shown on the map provided.
- Proposed Main:** A main that is still in the planning stages or in the process of being laid. More details of the proposed main and its reference number are generally included near the main.

PIPE DIAMETER	DEPTH BELOW GROUND
Up to 300mm (12")	900mm (3')
300mm - 600mm (12" - 24")	1100mm (3' 8")
600mm and bigger (24" plus)	1200mm (4')

Valves

- General Purpose Valve
- Air Valve
- Pressure Control Valve
- Customer Valve

Hydrants

- Single Hydrant

Meters

- Meter

End Items

Symbol indicating what happens at the end of a water main.

- Blank Flange
- Capped End
- Emptying Pit
- Undefined End
- Manifold
- Customer Supply
- Fire Supply

Operational Sites

- Booster Station
- Other
- Other (Proposed)
- Pumping Station
- Service Reservoir
- Shaft Inspection
- Treatment Works
- Unknown
- Water Tower

Other Symbols

- Data Logger

Other Water Pipes (Not Operated or Maintained by Thames Water)

Other Water Company Main: Occasionally other water company water pipes may overlap the border of our clean water coverage area. These mains are denoted in purple and in most cases have the owner of the pipe displayed along them.

Private Main: Indicates that the water main in question is not owned by Thames Water. These mains normally have text associated with them indicating the diameter and owner of the pipe.

Terms and Conditions

All sales are made in accordance with Thames Water Utilities Limited (TWUL) standard terms and conditions unless previously agreed in writing.

1. All goods remain in the property of Thames Water Utilities Ltd until full payment is received.
2. Provision of service will be in accordance with all legal requirements and published TWUL policies.
3. All invoices are strictly due for payment 14 days from due date of the invoice. Any other terms must be accepted/agreed in writing prior to provision of goods or service, or will be held to be invalid.
4. Thames Water does not accept post-dated cheques-any cheques received will be processed for payment on date of receipt.
5. In case of dispute TWUL's terms and conditions shall apply.
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7. Interest will be charged in line with current Court Interest Charges, if legal action is taken.
8. A charge may be made at the discretion of the company for increased administration costs.

A copy of Thames Water's standard terms and conditions are available from the Commercial Billing Team (cashoperations@thameswater.co.uk).

We publish several Codes of Practice including a guaranteed standards scheme. You can obtain copies of these leaflets by calling us on 0800 316 9800

If you are unhappy with our service you can speak to your original goods or customer service provider. If you are not satisfied with the response, your complaint will be reviewed by the Customer Services Director. You can write to her at: Thames Water Utilities Ltd. PO Box 492, Swindon, SN38 8TU.

If the Goods or Services covered by this invoice falls under the regulation of the 1991 Water Industry Act, and you remain dissatisfied you can refer your complaint to Consumer Council for Water on 0121 345 1000 or write to them at Consumer Council for Water, 1st Floor, Victoria Square House, Victoria Square, Birmingham, B2 4AJ.

Ways to pay your bill

Credit Card	BACS Payment	Telephone Banking	Cheque
Call 0845 070 9148 quoting your invoice number starting CBA or ADS / OSS	Account number 90478703 Sort code 60-00-01 A remittance advice must be sent to: Thames Water Utilities Ltd., PO Box 3189, Slough SL1 4WW. or email ps.billing@thameswater. co.uk	By calling your bank and quoting: Account number 90478703 Sort code 60-00-01 and your invoice number	Made payable to ' Thames Water Utilities Ltd ' Write your Thames Water account number on the back. Send to: Thames Water Utilities Ltd., PO Box 3189, Slough SL1 4WW or by DX to 151280 Slough 13

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Terms and Conditions

Search Code



IMPORTANT CONSUMER PROTECTION INFORMATION

This search has been produced by Thames Water Property Searches, Clearwater Court, Vastern Road, Reading RG1 8DB, which is registered with the Property Codes Compliance Board (PCCB) as a subscriber to the Search Code. The PCCB independently monitors how registered search firms maintain compliance with the Code.

The Search Code:

- provides protection for homebuyers, sellers, estate agents, conveyancers and mortgage lenders who rely on the information included in property search reports undertaken by subscribers on residential and commercial property within the United Kingdom
- sets out minimum standards which firms compiling and selling search reports have to meet
- promotes the best practise and quality standards within the industry for the benefit of consumers and property professionals
- enables consumers and property professionals to have confidence in firms which subscribe to the code, their products and services.

By giving you this information, the search firm is confirming that they keep to the principles of the Code. This provides important protection for you.

The Code's core principles

Firms which subscribe to the Search Code will:

- display the Search Code logo prominently on their search reports
- act with integrity and carry out work with due skill, care and diligence
- at all times maintain adequate and appropriate insurance to protect consumers
- conduct business in an honest, fair and professional manner
- handle complaints speedily and fairly
- ensure that products and services comply with industry registration rules and standards and relevant laws
- monitor their compliance with the Code

Complaints

If you have a query or complaint about your search, you should raise it directly with the search firm, and if appropriate ask for any complaint to be considered under their formal internal complaints procedure. If you remain dissatisfied with the firm's final response, after your complaint has been formally considered, or if the firm has exceeded the response timescales, you may refer your complaint for consideration under The Property Ombudsman scheme (TPOs). The Ombudsman can award compensation of up to £5,000 to you if the Ombudsman finds that you have suffered actual loss and/or aggravation, distress or inconvenience as a result of your search provider failing to keep to the code.

Please note that all queries or complaints regarding your search should be directed to your search provider in the first instance, not to TPOs or to the PCCB.

TPOs Contact Details

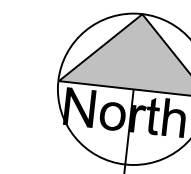
The Property Ombudsman scheme
Milford House
43-55 Milford Street
Salisbury
Wiltshire SP1 2BP
Tel: 01722 333306
Fax: 01722 332296
Web site: www.tpos.co.uk
Email: admin@tpos.co.uk

You can get more information about the PCCB from www.propertycodes.org.uk

PLEASE ASK YOUR SEARCH PROVIDER IF YOU WOULD LIKE A COPY OF THE SEARCH CODE

Appendix D

MWP – Sewer Abandonment Plan



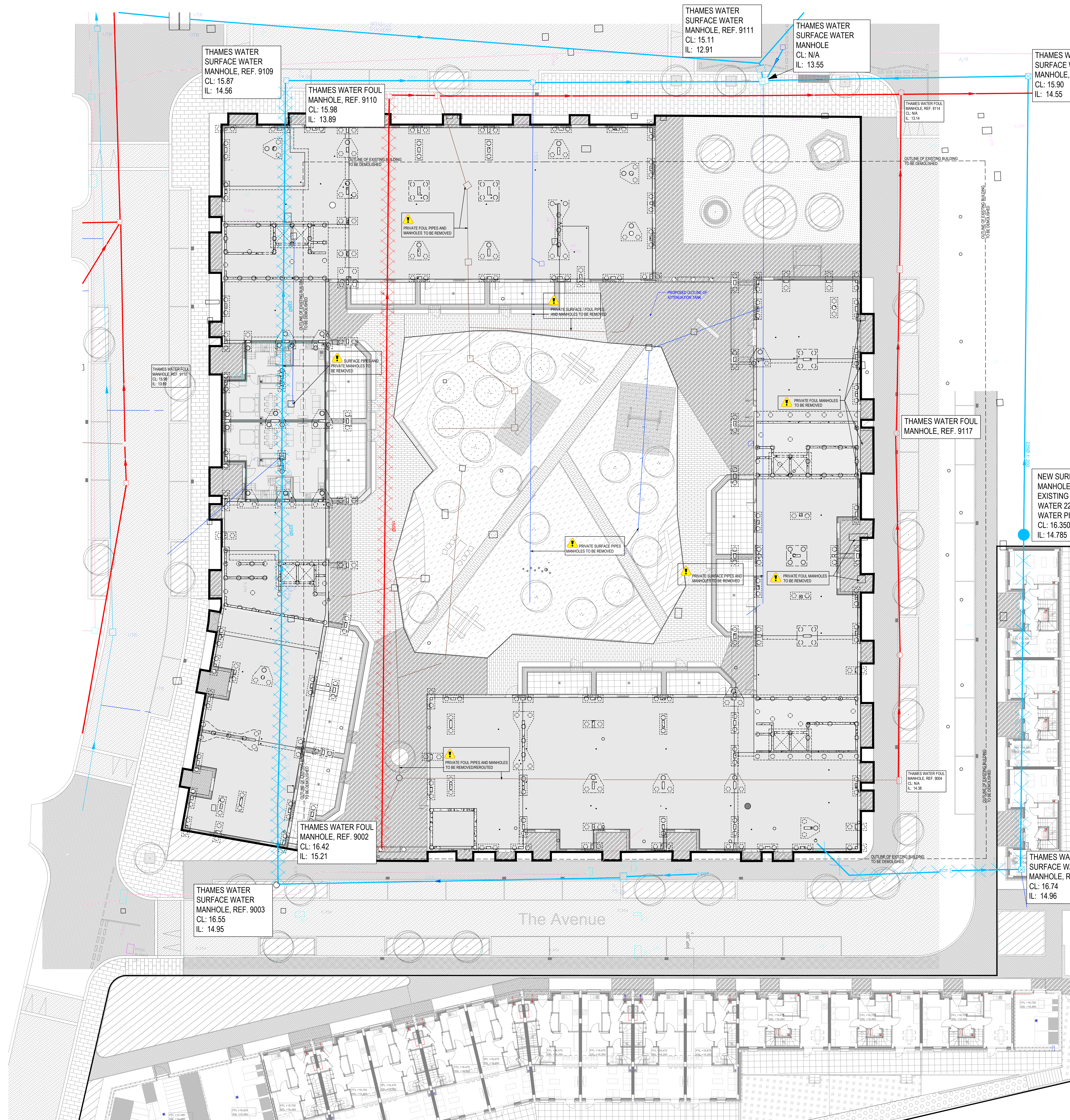
DO NOT SCALE FROM THIS DRAWING. USE FIGURED DIMENSIONS IN ALL CASES. VERIFY DIMENSIONS ON SITE AND REPORT ANY DISCREPANCIES TO THE DESIGNER IMMEDIATELY. THIS DRAWING IS COPYRIGHT AND MAY ONLY BE REPRODUCED WITH THE DESIGNER'S PERMISSION.

1. ALL DRAWINGS ARE TO BE READ IN CONJUNCTION WITH ALL RELEVANT SPECIFICATIONS, BILLS OF QUANTITIES, ARCHITECTURAL SERVICES AND ENGINEERING DRAWINGS.
2. ANY DISCREPANCIES BETWEEN THESE DOCUMENTS SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER.
3. ALL DIMENSIONS ARE IN MILLIMETRES, UNLESS NOTED OTHERWISE. TBC ON SITE.
4. ALL LEVELS ARE IN METRES RELATED TO ORDNANCE DATUM. TBC ON SITE.
5. DRAWINGS ARE NOT TO BE SCALED.
6. ALL TEMPORARY WORKS TO CONTRACTORS DETAILS.
7. CONTRACTOR TO APPROVE ALL SET OUT INFORMATION PRIOR TO CONSTRUCTION.

LEGEND :

- SITE BOUNDARY
- EXISTING THAMES FOUL WATER SEWER
- EXISTING THAMES FOUL WATER SEWER TO BE ABANDONED
- EXISTING THAMES SURFACE WATER SEWER
- EXISTING THAMES SURFACE WATER SEWER TO BE ABANDONED
- EXISTING PRIVATE FOUL WATER PIPE
- EXISTING PRIVATE SURFACE WATER SEWER
- NEW SURFACE WATER SEWER

Non-Back
Fall-Through
Existing Soft
Existing Soft
Proposed Soft
Proposed Soft
Proposed Soft



SEWER ABANDONMENT

SCALE 1 : 150

NOTE: ALL ON SITE EXISTING BELOW GROUND DRAINAGE TO BE CONFIRMED BY CCTV SURVEY BY CONTRACTOR

NOTE: ALL EXISTING THAMES WATER ASSETS ARE SHOWN APPROXIMATELY AND NEED TO BE CONFIRMED ON SITE BY CONTRACTOR

REV	DATE	DESCRIPTION	ISSUED BY	APP'D BY
1	02/02/26	Issued for Information	TD	RE

Tangmere

SEWER ABANDONMENT

Formation D&B Ltd

MWP
ENGINEERING AND ENVIRONMENTAL CONSULTANTS
CIRENCESTER | LONDON | LINDSEY
PANGLOSS

DRAWN	CHECKED	APPROVED
VH	SZ	RS
PROJECT NUMBER: 26015	DATE: 02/02/26	SCALE: As indicated
STATUS DESCRIPTION: FOR INFORMATION	REVISION: S2	REVISION: S2
DRAWING NUMBER: TAN-MWP-XX-00-DR-CV-2300	REV: P01	

Appendix E

MWP – Existing Runoff Rates Calculation

Tangmere Town Block

Project No.	26015
Date	Mar-26
Design By	DO
Checked By	RS
Calc Pg No.	1

Surface Water Run-off Calculation:

SW run-off from pre-developed site:

Impermeable area =	1910	m ²
Permeable area =	814	m ²
Proposed Discharge from Site =	1	l/s

Formula for calculating run-off from impermeable areas:

$$Q = 2.78 C i A$$

C = Run-off Coefficient =	0.9
i = rainfall intensity (50mm/hr)	50 mm/h for an average 1 in 2 year storm event
A = impermeable area	0.191 hectares

Hydrological Growth Curve Factors:

1 year factor =	0.85
30 year factor =	2.3
100 year factor =	3.19

Run-off from impermeable Surfaces:

Surface	Area (ha) (ha)	Coefficient © ©	Storm Event (1 in x yr)	Growth Curve Factor	Surface Water Run-off Discharge Rate (l/s)
Hard Standing	0.191	0.9	1	0.85	20.31
	0.191	0.9	30	2.3	54.96
	0.191	0.9	100	3.19	76.22
	0.191	0.9	100 + 40% CC	3.19	106.71

Summary of Existing Run-off:

Storm Event (1 in x yr)	Discharge from permeable area of site (l/s)	Discharge from impermeable area of site (l/s)	Total Discharge from Site (l/s)
1	0	20.31	20.31
30	0	54.96	54.96
100	0	76.22	76.22
100+40%CC	0	106.71	106.71

Existing vs Proposed Runoff rates:

Storm Event (1 in x yr)	Existing Discharge from Site (l/s)	Proposed Discharge from Site (l/s)	Reduction (l/s)
1	20.31	1.00	95%
30	54.96	1.00	98%
100	76.22	1.00	99%
100+40%CC	106.71	1.00	99%

Appendix F

MWP – Greenfield Runoff Rate

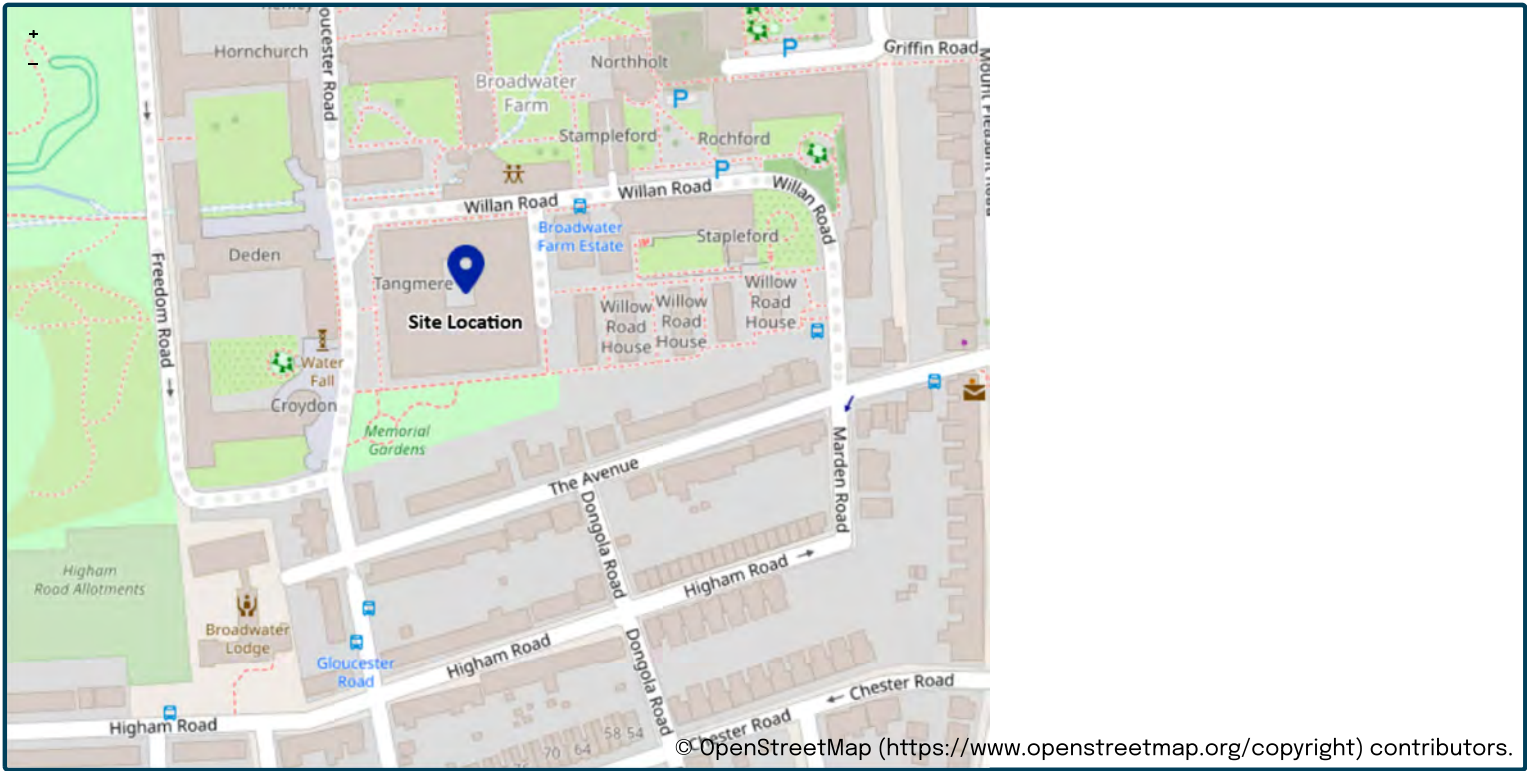
This is an estimation of the greenfield runoff rates that are used to meet normal best practice criteria in line with Environment Agency guidance “Rainfall runoff management for developments”, SC030219 (2013), the SuDS Manual C753 (CIRIA, 2015) and the non-statutory standards for SuDS (Defra, 2015).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

Project details

Date	17/03/2026
Calculated by	D.O
Reference	
Model version	2.2.3

Location

Site name	Tangmere
Site location	Haringey



Site easting (British National Grid)	532952
Site northing (British National Grid)	190088

Site details

Total site area (ha)	0.2724	ha
----------------------	-------------------------------------	----

Greenfield runoff

Method

Method	IH124
--------	-------

IH124

	<u>My value</u>		<u>Map value</u>
SAAR (mm)	631	mm	631
How should SPR be derived?	WRAP soil type		
WRAP soil type	2		2
SPR	0.3		
QBar (IH124) (l/s)	0.4	l/s	

Growth curve factors

	<u>My value</u>		<u>Map value</u>
Hydrological region	6		6
1 year growth factor	0.85		
2 year growth factor	0.88		
10 year growth factor	1.62		
30 year growth factor	2.3		
100 year growth factor	3.19		
200 year growth factor	3.74		

Results

Method	IH124	
Flow rate 1 year (l/s)	0.4	l/s
Flow rate 2 year (l/s)	0.4	l/s
Flow rate 10 years (l/s)	0.7	l/s
Flow rate 30 years (l/s)	1.0	l/s
Flow rate 100 years (l/s)	1.4	l/s
Flow rate 200 years (l/s)	1.6	l/s

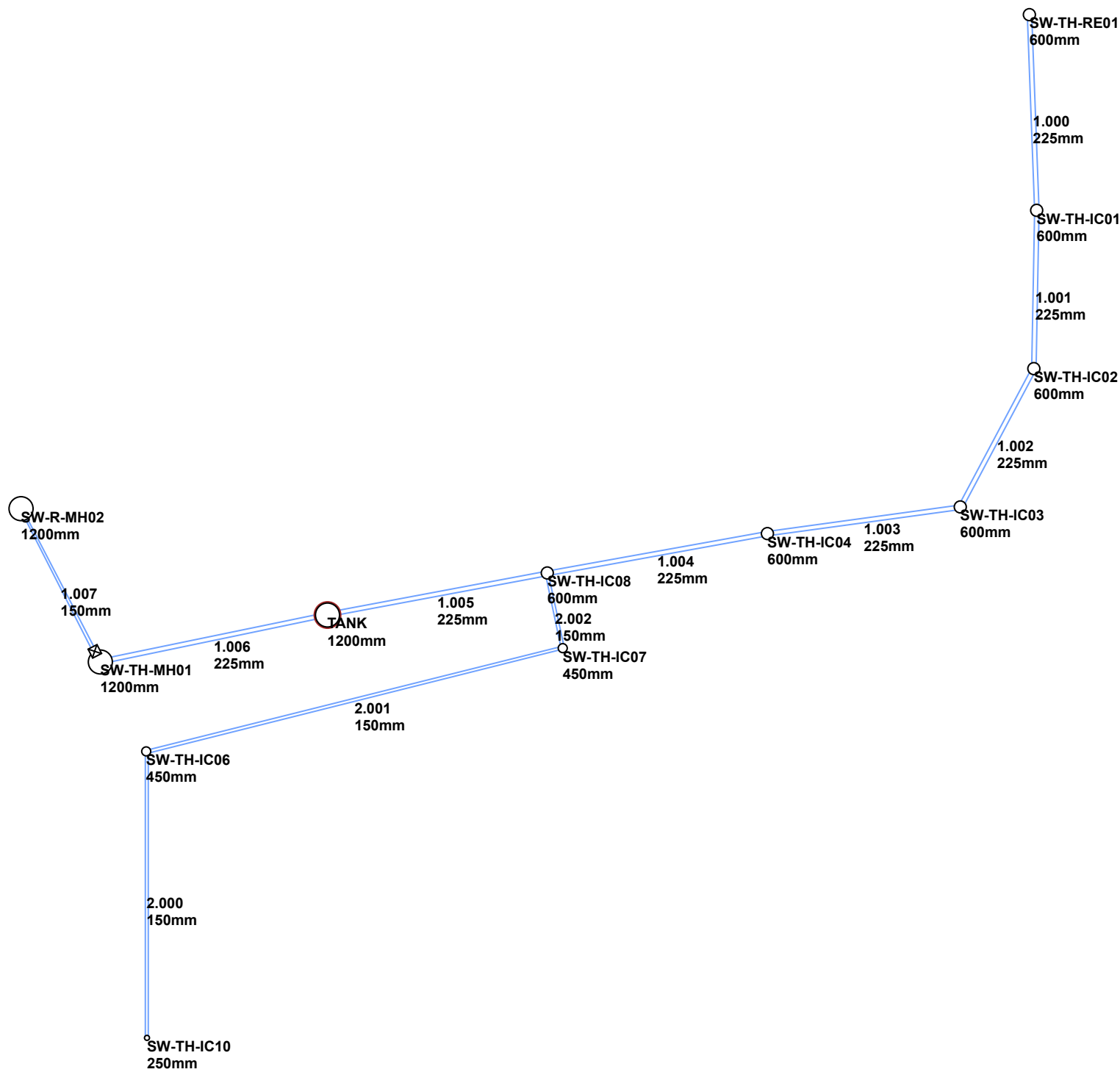
Please note runoff estimation is subject to significant uncertainty. Results are therefore normally reported to only 1 decimal place. Where 2 decimal places are provided, this does not indicate accuracy to this level, it has been adopted to prevent 'zero' figures from being reported. Outputs less than 0.01 l/s are reported as 0.01 l/s.

Disclaimer

This report was produced using the Greenfield runoff rate estimation tool (2.2.3) developed by HR Wallingford and available at [uksuds.com](https://www.uksuds.com) (<https://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 [uksuds.com/terms-conditions](https://www.uksuds.com/terms-conditions) (<https://www.uksuds.com/terms-conditions>). The outputs from this tool have been used to estimate 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, Centre for Ecology and Hydrology, Wallingford Hydrosolutions or any other organisation for the use of these data in the design or operational characteristics of any drainage scheme.

Appendix G

MWP – Causeway Flow Calculation



Design Settings

Rainfall Methodology	FEH-22	Minimum Velocity (m/s)	1.00
Return Period (years)	100	Connection Type	Level Soffits
Additional Flow (%)	0	Minimum Backdrop Height (m)	0.200
CV	0.750	Preferred Cover Depth (m)	1.200
Time of Entry (mins)	5.00	Include Intermediate Ground	✓
Maximum Time of Concentration (mins)	30.00	Enforce best practice design rules	x
Maximum Rainfall (mm/hr)	50.0		

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

Template	Freeform Carrier	Auto Increment (mm)	75
Shape	Circular	Follow Ground	x
Barrels	1		

Available Diameters (mm)

100 | 150

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Invert Level (m)
SW-TH-IC10		5.00	17.730	250	18.634	48.209	1.256	16.474
SW-TH-IC06	0.016	5.00	17.300	450	18.595	62.564	1.835	15.465
SW-TH-IC07	0.036	5.00	16.435	450	39.388	67.736	1.275	15.160
SW-TH-RE01	0.009	5.00	16.330	600	62.682	99.477	0.643	15.687
SW-TH-IC01	0.012	5.00	16.490	600	63.046	89.673	0.875	15.615
SW-TH-IC02	0.003	5.00	16.640	600	62.905	81.741	1.175	15.465
SW-TH-IC03	0.026	5.00	16.690	600	59.232	74.812	1.330	15.360
SW-TH-IC04	0.045	5.00	16.460	600	49.605	73.476	1.250	15.210
SW-TH-IC08			16.200	600	38.616	71.504	1.195	15.005
TANK			16.175	1200	27.645	69.396	1.190	14.985
SW-TH-MH01			16.585	1200	16.306	67.043	1.640	14.945
SW-R-MH02			16.250	1200	12.348	74.724	1.425	14.825

Pipeline Schedule

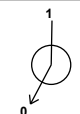
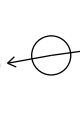
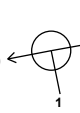
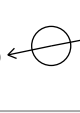
Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
2.000	16.148	36.0	150	Circular	17.730	16.474	1.106	17.300	16.025	1.125
1.003	25.540	170.3	225	Circular	16.690	15.360	1.105	16.460	15.210	1.025
1.000	11.700	162.5	225	Circular	16.330	15.687	0.418	16.490	15.615	0.650
1.001	22.100	147.3	225	Circular	16.490	15.615	0.650	16.640	15.465	0.950
1.002	9.427	89.8	225	Circular	16.640	15.465	0.950	16.690	15.360	1.105
2.001	30.554	100.2	150	Circular	17.300	15.465	1.685	16.435	15.160	1.125
1.004	34.813	169.8	225	Circular	16.460	15.210	1.025	16.200	15.005	0.970
2.002	2.500	100.0	150	Circular	16.435	15.160	1.125	16.200	15.135	0.915
1.005	1.300	65.0	225	Circular	16.200	15.005	0.970	16.175	14.985	0.965
1.006	1.000	25.0	225	Circular	16.175	14.985	0.965	16.585	14.945	1.415
1.007	8.132	67.8	225	Circular	16.585	14.945	1.415	16.250	14.825	1.200

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
2.000	SW-TH-IC10	250	Manhole	Adoptable	SW-TH-IC06	450	Manhole	Adoptable
1.003	SW-TH-IC03	600	Manhole	Adoptable	SW-TH-IC04	600	Manhole	Adoptable
1.000	SW-TH-RE01	600	Manhole	Adoptable	SW-TH-IC01	600	Manhole	Adoptable
1.001	SW-TH-IC01	600	Manhole	Adoptable	SW-TH-IC02	600	Manhole	Adoptable
1.002	SW-TH-IC02	600	Manhole	Adoptable	SW-TH-IC03	600	Manhole	Adoptable
2.001	SW-TH-IC06	450	Manhole	Adoptable	SW-TH-IC07	450	Manhole	Adoptable
1.004	SW-TH-IC04	600	Manhole	Adoptable	SW-TH-IC08	600	Manhole	Adoptable
2.002	SW-TH-IC07	450	Manhole	Adoptable	SW-TH-IC08	600	Manhole	Adoptable
1.005	SW-TH-IC08	600	Manhole	Adoptable	TANK	1200	Manhole	Adoptable
1.006	TANK	1200	Manhole	Adoptable	SW-TH-MH01	1200	Manhole	Adoptable
1.007	SW-TH-MH01	1200	Manhole	Adoptable	SW-R-MH02	1200	Manhole	Adoptable

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
SW-TH-IC10	18.634	48.209	17.730	1.256	250				
						0	2.000	16.474	150
SW-TH-IC06	18.595	62.564	17.300	1.835	450				
						0	2.001	15.465	150
SW-TH-IC07	39.388	67.736	16.435	1.275	450				
						0	2.002	15.160	150
SW-TH-RE01	62.682	99.477	16.330	0.643	600				
						0	1.000	15.687	225
SW-TH-IC01	63.046	89.673	16.490	0.875	600				
						0	1.001	15.615	225

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
SW-TH-IC02	62.905	81.741	16.640	1.175	600		1 1.001	15.465	225
SW-TH-IC03	59.232	74.812	16.690	1.330	600		0 1.002	15.465	225
SW-TH-IC04	49.605	73.476	16.460	1.250	600		0 1.003	15.360	225
SW-TH-IC08	38.616	71.504	16.200	1.195	600		1 1.003 2 1.004	15.210 15.005	225 225
TANK	27.645	69.396	16.175	1.190	1200		0 1.004 1 1.005	15.210 14.985	225 225
SW-TH-MH01	16.306	67.043	16.585	1.640	1200		0 1.005 1 1.006	15.005 14.945	225 225
SW-R-MH02	12.348	74.724	16.250	1.425	1200		0 1.006 1 1.007	14.985 14.825	225 225

Simulation Settings

Rainfall Methodology	FEH-13	Analysis Speed	Normal	Starting Level (m)	
Rainfall Events	Singular	Skip Steady State	x	Check Discharge Rate(s)	x
Summer CV	0.750	Drain Down Time (mins)	240	Check Discharge Volume	x
Winter CV	0.840	Additional Storage (m³/ha)	20.0		

Storm Durations

15 | 30 | 60 | 120 | 180

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

Node SW-TH-MH01 Online Hydro-Brake® Control

Flap Valve	x	Objective (HE)	Minimise upstream storage
Replaces Downstream Link	x	Sump Available	✓
Invert Level (m)	14.945	Product Number	CTL-SHE-0049-1000-0800-1000
Design Depth (m)	0.800	Min Outlet Diameter (m)	0.075
Design Flow (l/s)	1.0	Min Node Diameter (mm)	1200

Node TANK Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	14.985
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.97	Time to half empty (mins)	

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	89.8	89.8	0.800	89.8	116.7	0.801	0.0	116.7

Results for 1 year Critical Storm Duration. Lowest 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	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
15 minute winter	SW-TH-IC06	10	15.492	0.027	1.3	0.0090	0.0000	OK
15 minute winter	SW-TH-IC07	10	15.214	0.054	4.2	0.0394	0.0000	OK
15 minute winter	SW-TH-RE01	11	15.708	0.021	0.7	0.0115	0.0000	OK
15 minute winter	SW-TH-IC01	10	15.646	0.031	1.7	0.0171	0.0000	OK
15 minute winter	SW-TH-IC02	11	15.493	0.028	1.8	0.0094	0.0000	OK
15 minute winter	SW-TH-IC03	11	15.407	0.047	3.9	0.0317	0.0000	OK
15 minute winter	SW-TH-IC04	11	15.274	0.064	7.3	0.0646	0.0000	OK
15 minute winter	SW-TH-IC08	9	15.181	0.176	11.3	0.0497	0.0000	OK
180 minute winter	TANK	148	15.103	0.118	5.5	10.4056	0.0000	OK
180 minute winter	SW-TH-MH01	148	15.106	0.161	4.7	0.1822	0.0000	OK
180 minute winter	SW-R-MH02	152	14.844	0.019	0.9	0.0000	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 summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
15 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	1.3	0.326	0.071	0.1209	
15 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	4.0	0.755	0.227	0.0133	
15 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.7	0.289	0.017	0.0294	
15 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	1.6	0.544	0.038	0.0673	
15 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	1.9	0.425	0.034	0.0418	
15 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	3.9	0.505	0.097	0.1964	
15 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	7.2	0.658	0.182	0.7145	
15 minute winter	SW-TH-IC08	1.005	TANK	14.2	1.614	0.220	0.0218	
180 minute winter	TANK	1.006	SW-TH-MH01	4.7	0.416	0.045	0.0257	
180 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.566	0.014	0.0130	16.7

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.36%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
180 minute winter	SW-TH-IC06	176	15.554	0.089	1.6	0.0295	0.0000	OK
180 minute winter	SW-TH-IC07	184	15.552	0.392	5.2	0.2838	0.0000	SURCHARGED
15 minute winter	SW-TH-RE01	10	15.732	0.045	3.7	0.0255	0.0000	OK
15 minute winter	SW-TH-IC01	10	15.685	0.070	8.7	0.0392	0.0000	OK
180 minute winter	SW-TH-IC02	184	15.553	0.088	2.4	0.0294	0.0000	OK
180 minute winter	SW-TH-IC03	180	15.552	0.192	5.0	0.1297	0.0000	OK
180 minute winter	SW-TH-IC04	184	15.552	0.342	9.5	0.3433	0.0000	SURCHARGED
180 minute winter	SW-TH-IC08	184	15.555	0.550	14.2	0.1558	0.0000	SURCHARGED
180 minute winter	TANK	180	15.552	0.567	13.8	49.9990	0.0000	SURCHARGED
180 minute winter	SW-TH-MH01	184	15.551	0.606	10.0	0.6857	0.0000	SURCHARGED
15 minute summer	SW-R-MH02	112	14.844	0.019	0.9	0.0000	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 summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
180 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	1.6	0.327	0.090	0.4342	
180 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	4.8	0.760	0.272	0.0440	
15 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	3.7	0.455	0.090	0.0954	
15 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	8.5	0.863	0.199	0.2182	
180 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	2.4	0.459	0.044	0.2382	
180 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	5.0	0.539	0.126	0.9699	
180 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	9.4	0.480	0.237	1.3846	
180 minute winter	SW-TH-IC08	1.005	TANK	13.8	1.077	0.214	0.0517	
180 minute winter	TANK	1.006	SW-TH-MH01	10.0	0.415	0.095	0.0398	
180 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	19.9

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 70.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
120 minute winter	SW-TH-IC06	82	15.957	0.492	4.0	0.1640	0.0000	SURCHARGED
120 minute winter	SW-TH-IC07	82	15.959	0.799	12.6	0.5786	0.0000	SURCHARGED
15 minute winter	SW-TH-RE01	12	16.133	0.446	6.9	0.2513	0.0000	FLOOD RISK
15 minute winter	SW-TH-IC01	12	16.131	0.516	15.0	0.2874	0.0000	SURCHARGED
15 minute winter	SW-TH-IC02	12	16.113	0.648	16.8	0.2164	0.0000	SURCHARGED
15 minute winter	SW-TH-IC03	12	16.101	0.741	30.4	0.4991	0.0000	SURCHARGED
15 minute winter	SW-TH-IC04	12	15.992	0.781	59.5	0.7838	0.0000	SURCHARGED
180 minute summer	SW-TH-IC08	120	15.803	0.798	32.6	0.2260	0.0000	SURCHARGED
120 minute summer	TANK	110	15.797	0.812	41.8	70.6358	0.0000	SURCHARGED
120 minute winter	SW-TH-MH01	82	15.946	1.001	9.6	1.1322	0.0000	SURCHARGED
120 minute winter	SW-R-MH02	82	14.846	0.021	1.1	0.0000	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 summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
120 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	3.9	0.375	0.218	0.5379	
120 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	28.8	1.637	1.623	0.0440	
15 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	6.3	0.549	0.156	0.4653	
15 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	14.6	0.928	0.342	0.8789	
15 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	17.2	0.695	0.314	0.3749	
15 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	31.1	0.782	0.783	1.0158	
15 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	58.2	1.463	1.463	1.3846	
180 minute summer	SW-TH-IC08	1.005	TANK	32.2	1.203	0.499	0.0517	
120 minute summer	TANK	1.006	SW-TH-MH01	14.0	0.433	0.134	0.0398	
120 minute winter	SW-TH-MH01	1.007	SW-R-MH02	1.1	0.595	0.017	0.0150	18.9

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	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SW-TH-IC06	11	15.491	0.026	1.2	0.0088	0.0000	OK
15 minute summer	SW-TH-IC07	11	15.213	0.053	3.9	0.0383	0.0000	OK
15 minute summer	SW-TH-RE01	11	15.708	0.021	0.7	0.0115	0.0000	OK
15 minute summer	SW-TH-IC01	11	15.645	0.030	1.6	0.0169	0.0000	OK
15 minute summer	SW-TH-IC02	11	15.493	0.028	1.8	0.0093	0.0000	OK
15 minute summer	SW-TH-IC03	11	15.406	0.046	3.7	0.0310	0.0000	OK
15 minute summer	SW-TH-IC04	11	15.273	0.063	7.0	0.0631	0.0000	OK
15 minute summer	SW-TH-IC08	9	15.174	0.169	10.7	0.0479	0.0000	OK
15 minute summer	TANK	20	15.032	0.047	15.0	4.1151	0.0000	OK
15 minute summer	SW-TH-MH01	19	15.047	0.102	4.1	0.1155	0.0000	OK
15 minute summer	SW-R-MH02	20	14.843	0.018	0.8	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
15 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	1.2	0.323	0.068	0.1165	
15 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	3.8	0.745	0.216	0.0129	
15 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.7	0.287	0.017	0.0290	
15 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	1.6	0.537	0.037	0.0660	
15 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	1.8	0.424	0.033	0.0406	
15 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	3.7	0.499	0.093	0.1900	
15 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	6.9	0.639	0.173	0.6848	
15 minute summer	SW-TH-IC08	1.005	TANK	15.0	1.608	0.232	0.0210	
15 minute summer	TANK	1.006	SW-TH-MH01	4.1	0.648	0.039	0.0117	
15 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.8	0.541	0.012	0.0117	4.6

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	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
15 minute winter	SW-TH-IC06	10	15.492	0.027	1.3	0.0090	0.0000	OK
15 minute winter	SW-TH-IC07	10	15.214	0.054	4.2	0.0394	0.0000	OK
15 minute winter	SW-TH-RE01	11	15.708	0.021	0.7	0.0115	0.0000	OK
15 minute winter	SW-TH-IC01	10	15.646	0.031	1.7	0.0171	0.0000	OK
15 minute winter	SW-TH-IC02	11	15.493	0.028	1.8	0.0094	0.0000	OK
15 minute winter	SW-TH-IC03	11	15.407	0.047	3.9	0.0317	0.0000	OK
15 minute winter	SW-TH-IC04	11	15.274	0.064	7.3	0.0646	0.0000	OK
15 minute winter	SW-TH-IC08	9	15.181	0.176	11.3	0.0497	0.0000	OK
15 minute winter	TANK	20	15.037	0.052	14.2	4.6166	0.0000	OK
15 minute winter	SW-TH-MH01	25	15.048	0.103	4.6	0.1165	0.0000	OK
15 minute winter	SW-R-MH02	22	14.843	0.018	0.8	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
15 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	1.3	0.326	0.071	0.1209	
15 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	4.0	0.755	0.227	0.0133	
15 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.7	0.289	0.017	0.0294	
15 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	1.6	0.544	0.038	0.0673	
15 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	1.9	0.425	0.034	0.0418	
15 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	3.9	0.505	0.097	0.1964	
15 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	7.2	0.658	0.182	0.7145	
15 minute winter	SW-TH-IC08	1.005	TANK	14.2	1.614	0.220	0.0218	
15 minute winter	TANK	1.006	SW-TH-MH01	4.6	0.596	0.044	0.0122	
15 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.8	0.545	0.013	0.0119	5.1

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	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
30 minute summer	SW-TH-IC06	19	15.489	0.024	1.0	0.0080	0.0000	OK
30 minute summer	SW-TH-IC07	18	15.209	0.049	3.4	0.0358	0.0000	OK
30 minute summer	SW-TH-RE01	18	15.706	0.019	0.6	0.0107	0.0000	OK
30 minute summer	SW-TH-IC01	18	15.643	0.028	1.4	0.0157	0.0000	OK
30 minute summer	SW-TH-IC02	19	15.491	0.026	1.6	0.0087	0.0000	OK
30 minute summer	SW-TH-IC03	18	15.403	0.043	3.2	0.0288	0.0000	OK
30 minute summer	SW-TH-IC04	19	15.268	0.058	6.1	0.0585	0.0000	OK
30 minute summer	SW-TH-IC08	18	15.077	0.072	9.2	0.0203	0.0000	OK
30 minute summer	TANK	34	15.040	0.055	10.9	4.8690	0.0000	OK
30 minute summer	SW-TH-MH01	38	15.055	0.110	4.7	0.1240	0.0000	OK
30 minute summer	SW-R-MH02	29	14.843	0.018	0.8	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
30 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	1.0	0.309	0.056	0.1051	
30 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	3.4	0.722	0.191	0.0117	
30 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.6	0.271	0.015	0.0261	
30 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	1.4	0.512	0.032	0.0597	
30 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	1.6	0.409	0.028	0.0366	
30 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	3.2	0.480	0.080	0.1702	
30 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	5.9	0.641	0.149	0.3300	
30 minute summer	SW-TH-IC08	1.005	TANK	9.4	1.494	0.145	0.0089	
30 minute summer	TANK	1.006	SW-TH-MH01	4.7	0.420	0.045	0.0132	
30 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.8	0.547	0.013	0.0120	5.8

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	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
30 minute winter	SW-TH-IC06	19	15.488	0.023	0.9	0.0076	0.0000	OK
30 minute winter	SW-TH-IC07	18	15.206	0.046	3.0	0.0334	0.0000	OK
30 minute winter	SW-TH-RE01	20	15.705	0.018	0.5	0.0099	0.0000	OK
30 minute winter	SW-TH-IC01	18	15.641	0.026	1.2	0.0147	0.0000	OK
30 minute winter	SW-TH-IC02	19	15.490	0.025	1.4	0.0083	0.0000	OK
30 minute winter	SW-TH-IC03	19	15.401	0.041	2.9	0.0276	0.0000	OK
30 minute winter	SW-TH-IC04	18	15.266	0.056	5.6	0.0563	0.0000	OK
30 minute winter	SW-TH-IC08	18	15.071	0.066	8.5	0.0188	0.0000	OK
30 minute winter	TANK	33	15.048	0.063	10.1	5.5528	0.0000	OK
30 minute winter	SW-TH-MH01	30	15.059	0.114	4.9	0.1291	0.0000	OK
30 minute winter	SW-R-MH02	40	14.843	0.018	0.8	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
30 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.9	0.297	0.051	0.0962	
30 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	3.0	0.699	0.169	0.0107	
30 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.5	0.262	0.012	0.0234	
30 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	1.2	0.487	0.028	0.0546	
30 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	1.4	0.394	0.026	0.0343	
30 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	2.9	0.463	0.073	0.1612	
30 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	5.5	0.638	0.139	0.3041	
30 minute winter	SW-TH-IC08	1.005	TANK	8.5	1.437	0.132	0.0093	
30 minute winter	TANK	1.006	SW-TH-MH01	4.9	0.433	0.046	0.0145	
30 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.8	0.549	0.013	0.0121	6.5

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	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
60 minute summer	SW-TH-IC06	33	15.487	0.022	0.8	0.0072	0.0000	OK
60 minute summer	SW-TH-IC07	33	15.202	0.042	2.5	0.0301	0.0000	OK
60 minute summer	SW-TH-RE01	35	15.703	0.016	0.4	0.0089	0.0000	OK
60 minute summer	SW-TH-IC01	33	15.639	0.024	1.0	0.0135	0.0000	OK
60 minute summer	SW-TH-IC02	33	15.487	0.022	1.1	0.0073	0.0000	OK
60 minute summer	SW-TH-IC03	34	15.396	0.036	2.3	0.0245	0.0000	OK
60 minute summer	SW-TH-IC04	34	15.260	0.050	4.3	0.0498	0.0000	OK
60 minute summer	SW-TH-IC08	34	15.062	0.057	6.7	0.0162	0.0000	OK
60 minute summer	TANK	60	15.045	0.060	8.6	5.3077	0.0000	OK
60 minute summer	SW-TH-MH01	55	15.058	0.113	4.5	0.1275	0.0000	OK
60 minute summer	SW-R-MH02	60	14.843	0.018	0.8	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
60 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.8	0.295	0.045	0.0846	
60 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	2.5	0.665	0.139	0.0093	
60 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.4	0.244	0.010	0.0204	
60 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	1.0	0.468	0.023	0.0469	
60 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	1.1	0.362	0.020	0.0288	
60 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	2.3	0.432	0.057	0.1356	
60 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	4.3	0.598	0.108	0.2510	
60 minute summer	SW-TH-IC08	1.005	TANK	6.8	1.257	0.105	0.0090	
60 minute summer	TANK	1.006	SW-TH-MH01	4.5	0.418	0.044	0.0142	
60 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.8	0.549	0.013	0.0121	7.1

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	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
60 minute winter	SW-TH-IC06	35	15.484	0.019	0.6	0.0063	0.0000	OK
60 minute winter	SW-TH-IC07	34	15.197	0.037	2.0	0.0269	0.0000	OK
60 minute winter	SW-TH-RE01	35	15.701	0.014	0.3	0.0078	0.0000	OK
60 minute winter	SW-TH-IC01	33	15.637	0.022	0.8	0.0121	0.0000	OK
60 minute winter	SW-TH-IC02	34	15.485	0.020	0.9	0.0067	0.0000	OK
60 minute winter	SW-TH-IC03	34	15.393	0.033	1.9	0.0224	0.0000	OK
60 minute winter	SW-TH-IC04	34	15.255	0.045	3.6	0.0455	0.0000	OK
60 minute winter	SW-TH-IC08	35	15.057	0.052	5.6	0.0148	0.0000	OK
60 minute winter	TANK	60	15.054	0.069	7.8	6.0533	0.0000	OK
60 minute winter	SW-TH-MH01	59	15.062	0.117	4.7	0.1328	0.0000	OK
60 minute winter	SW-R-MH02	61	14.843	0.018	0.8	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
60 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.6	0.269	0.034	0.0713	
60 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	2.0	0.629	0.113	0.0080	
60 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.3	0.221	0.007	0.0172	
60 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.8	0.436	0.019	0.0406	
60 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.9	0.341	0.016	0.0253	
60 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	1.9	0.409	0.048	0.1192	
60 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	3.6	0.568	0.090	0.2201	
60 minute winter	SW-TH-IC08	1.005	TANK	5.6	1.157	0.086	0.0110	
60 minute winter	TANK	1.006	SW-TH-MH01	4.7	0.433	0.045	0.0156	
60 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.8	0.552	0.013	0.0123	7.9

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	SW-TH-IC10	2	16.474	0.000	0.0	0.0000	0.0000	OK
120 minute summer	SW-TH-IC06	64	15.485	0.020	0.7	0.0068	0.0000	OK
120 minute summer	SW-TH-IC07	64	15.199	0.039	2.2	0.0283	0.0000	OK
120 minute summer	SW-TH-RE01	64	15.703	0.016	0.4	0.0089	0.0000	OK
120 minute summer	SW-TH-IC01	64	15.638	0.023	0.9	0.0128	0.0000	OK
120 minute summer	SW-TH-IC02	64	15.486	0.021	1.0	0.0070	0.0000	OK
120 minute summer	SW-TH-IC03	64	15.395	0.035	2.1	0.0235	0.0000	OK
120 minute summer	SW-TH-IC04	64	15.258	0.048	4.0	0.0477	0.0000	OK
120 minute summer	SW-TH-IC08	98	15.075	0.070	6.2	0.0199	0.0000	OK
120 minute summer	TANK	100	15.075	0.090	6.6	7.9600	0.0000	OK
120 minute summer	SW-TH-MH01	94	15.080	0.135	4.5	0.1530	0.0000	OK
120 minute summer	SW-R-MH02	100	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
120 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.7	0.284	0.039	0.0773	
120 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	2.2	0.644	0.124	0.0085	
120 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.4	0.243	0.010	0.0195	
120 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.9	0.452	0.021	0.0439	
120 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	1.0	0.352	0.018	0.0271	
120 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	2.1	0.420	0.053	0.1277	
120 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	4.0	0.569	0.100	0.2467	
120 minute summer	SW-TH-IC08	1.005	TANK	6.1	0.994	0.094	0.0165	
120 minute summer	TANK	1.006	SW-TH-MH01	4.5	0.429	0.043	0.0198	
120 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.560	0.014	0.0126	11.9

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	SW-TH-IC10	2	16.474	0.000	0.0	0.0000	0.0000	OK
120 minute winter	SW-TH-IC06	64	15.482	0.017	0.5	0.0058	0.0000	OK
120 minute winter	SW-TH-IC07	66	15.194	0.034	1.7	0.0246	0.0000	OK
120 minute winter	SW-TH-RE01	64	15.701	0.014	0.3	0.0078	0.0000	OK
120 minute winter	SW-TH-IC01	62	15.635	0.020	0.7	0.0114	0.0000	OK
120 minute winter	SW-TH-IC02	62	15.484	0.019	0.8	0.0063	0.0000	OK
120 minute winter	SW-TH-IC03	64	15.392	0.032	1.7	0.0213	0.0000	OK
120 minute winter	SW-TH-IC04	64	15.253	0.043	3.2	0.0430	0.0000	OK
120 minute winter	SW-TH-IC08	114	15.090	0.085	4.9	0.0240	0.0000	OK
120 minute winter	TANK	114	15.090	0.105	7.6	9.2320	0.0000	OK
120 minute winter	SW-TH-MH01	116	15.094	0.149	4.5	0.1685	0.0000	OK
120 minute winter	SW-R-MH02	100	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
120 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.5	0.264	0.028	0.0630	
120 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	1.7	0.602	0.096	0.0071	
120 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.3	0.230	0.007	0.0162	
120 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.7	0.418	0.016	0.0372	
120 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.8	0.338	0.015	0.0234	
120 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	1.7	0.397	0.043	0.1101	
120 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	3.2	0.520	0.080	0.2685	
120 minute winter	SW-TH-IC08	1.005	TANK	4.8	0.881	0.075	0.0206	
120 minute winter	TANK	1.006	SW-TH-MH01	4.5	0.412	0.043	0.0230	
120 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.563	0.014	0.0128	13.5

Results for 1 year 180 minute summer. 420 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
180 minute summer	SW-TH-IC10	4	16.474	0.000	0.0	0.0000	0.0000	OK
180 minute summer	SW-TH-IC06	96	15.484	0.019	0.6	0.0063	0.0000	OK
180 minute summer	SW-TH-IC07	96	15.196	0.036	1.9	0.0261	0.0000	OK
180 minute summer	SW-TH-RE01	96	15.701	0.014	0.3	0.0078	0.0000	OK
180 minute summer	SW-TH-IC01	92	15.635	0.020	0.7	0.0114	0.0000	OK
180 minute summer	SW-TH-IC02	96	15.484	0.019	0.8	0.0063	0.0000	OK
180 minute summer	SW-TH-IC03	96	15.392	0.032	1.7	0.0213	0.0000	OK
180 minute summer	SW-TH-IC04	96	15.254	0.044	3.3	0.0437	0.0000	OK
180 minute summer	SW-TH-IC08	136	15.089	0.084	5.2	0.0237	0.0000	OK
180 minute summer	TANK	136	15.089	0.104	5.8	9.1592	0.0000	OK
180 minute summer	SW-TH-MH01	132	15.093	0.148	4.2	0.1674	0.0000	OK
180 minute summer	SW-R-MH02	140	14.844	0.019	0.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
180 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.6	0.272	0.034	0.0693	
180 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	1.9	0.620	0.107	0.0077	
180 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.3	0.219	0.007	0.0162	
180 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.7	0.417	0.016	0.0372	
180 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.8	0.337	0.015	0.0234	
180 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	1.7	0.394	0.043	0.1117	
180 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	3.3	0.522	0.083	0.2655	
180 minute summer	SW-TH-IC08	1.005	TANK	5.1	0.782	0.080	0.0204	
180 minute summer	TANK	1.006	SW-TH-MH01	4.2	0.413	0.040	0.0228	
180 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.563	0.014	0.0128	14.9

Results for 1 year 180 minute winter. 420 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
180 minute winter	SW-TH-IC10	4	16.474	0.000	0.0	0.0000	0.0000	OK
180 minute winter	SW-TH-IC06	88	15.481	0.016	0.4	0.0052	0.0000	OK
180 minute winter	SW-TH-IC07	96	15.191	0.031	1.4	0.0222	0.0000	OK
180 minute winter	SW-TH-RE01	80	15.698	0.011	0.2	0.0064	0.0000	OK
180 minute winter	SW-TH-IC01	84	15.632	0.017	0.5	0.0097	0.0000	OK
180 minute winter	SW-TH-IC02	88	15.482	0.017	0.6	0.0056	0.0000	OK
180 minute winter	SW-TH-IC03	96	15.388	0.028	1.3	0.0187	0.0000	OK
180 minute winter	SW-TH-IC04	100	15.248	0.038	2.5	0.0381	0.0000	OK
180 minute winter	SW-TH-IC08	148	15.103	0.098	3.9	0.0277	0.0000	OK
180 minute winter	TANK	148	15.103	0.118	5.5	10.4056	0.0000	OK
180 minute winter	SW-TH-MH01	148	15.106	0.161	4.7	0.1822	0.0000	OK
180 minute winter	SW-R-MH02	152	14.844	0.019	0.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
180 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.4	0.249	0.023	0.0543	
180 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	1.4	0.571	0.079	0.0061	
180 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.2	0.208	0.005	0.0125	
180 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.5	0.370	0.012	0.0299	
180 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.6	0.309	0.011	0.0194	
180 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	1.3	0.363	0.033	0.0922	
180 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	2.5	0.476	0.063	0.3198	
180 minute winter	SW-TH-IC08	1.005	TANK	3.9	0.798	0.060	0.0245	
180 minute winter	TANK	1.006	SW-TH-MH01	4.7	0.416	0.045	0.0257	
180 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.566	0.014	0.0130	16.7

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	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SW-TH-IC06	10	15.526	0.061	6.3	0.0204	0.0000	OK
15 minute summer	SW-TH-IC07	10	15.339	0.179	20.4	0.1297	0.0000	SURCHARGED
15 minute summer	SW-TH-RE01	10	15.731	0.044	3.5	0.0249	0.0000	OK
15 minute summer	SW-TH-IC01	10	15.683	0.068	8.2	0.0381	0.0000	OK
15 minute summer	SW-TH-IC02	10	15.527	0.062	9.3	0.0207	0.0000	OK
15 minute summer	SW-TH-IC03	10	15.469	0.109	19.5	0.0735	0.0000	OK
15 minute summer	SW-TH-IC04	11	15.388	0.178	36.9	0.1784	0.0000	OK
15 minute summer	SW-TH-IC08	21	15.242	0.236	56.3	0.0669	0.0000	SURCHARGED
15 minute summer	TANK	21	15.242	0.257	55.7	22.6449	0.0000	SURCHARGED
15 minute summer	SW-TH-MH01	23	15.242	0.297	7.1	0.3361	0.0000	SURCHARGED
15 minute summer	SW-R-MH02	112	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
15 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	6.2	0.438	0.351	0.3721	
15 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	20.1	1.149	1.134	0.0422	
15 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	3.5	0.449	0.086	0.0918	
15 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	8.1	0.850	0.189	0.2106	
15 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	9.2	0.665	0.168	0.1317	
15 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	19.2	0.729	0.483	0.6733	
15 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	36.5	1.025	0.918	1.2387	
15 minute summer	SW-TH-IC08	1.005	TANK	55.7	2.143	0.863	0.0517	
15 minute summer	TANK	1.006	SW-TH-MH01	7.1	0.623	0.068	0.0398	
15 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	13.7

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	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
15 minute winter	SW-TH-IC06	10	15.528	0.063	6.6	0.0209	0.0000	OK
15 minute winter	SW-TH-IC07	10	15.347	0.187	21.4	0.1355	0.0000	SURCHARGED
15 minute winter	SW-TH-RE01	10	15.732	0.045	3.7	0.0255	0.0000	OK
15 minute winter	SW-TH-IC01	10	15.685	0.070	8.7	0.0392	0.0000	OK
15 minute winter	SW-TH-IC02	11	15.529	0.064	9.7	0.0212	0.0000	OK
15 minute winter	SW-TH-IC03	10	15.472	0.112	20.4	0.0754	0.0000	OK
15 minute winter	SW-TH-IC04	11	15.397	0.187	38.6	0.1876	0.0000	OK
15 minute winter	SW-TH-IC08	6	15.278	0.273	58.6	0.0771	0.0000	SURCHARGED
15 minute winter	TANK	21	15.271	0.286	60.8	25.2727	0.0000	SURCHARGED
15 minute winter	SW-TH-MH01	19	15.272	0.327	5.8	0.3699	0.0000	SURCHARGED
15 minute winter	SW-R-MH02	164	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
15 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	6.5	0.454	0.367	0.3755	
15 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	21.1	1.198	1.186	0.0425	
15 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	3.7	0.455	0.090	0.0954	
15 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	8.5	0.863	0.199	0.2182	
15 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	9.7	0.676	0.176	0.1361	
15 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	20.0	0.729	0.504	0.7021	
15 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	38.0	1.032	0.955	1.2942	
15 minute winter	SW-TH-IC08	1.005	TANK	57.9	2.105	0.896	0.0517	
15 minute winter	TANK	1.006	SW-TH-MH01	5.8	0.688	0.056	0.0398	
15 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	13.7

Results for 30 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
30 minute summer	SW-TH-IC06	18	15.522	0.057	5.5	0.0190	0.0000	OK
30 minute summer	SW-TH-IC07	18	15.319	0.159	17.9	0.1148	0.0000	SURCHARGED
30 minute summer	SW-TH-RE01	18	15.729	0.042	3.1	0.0235	0.0000	OK
30 minute summer	SW-TH-IC01	18	15.679	0.064	7.2	0.0358	0.0000	OK
30 minute summer	SW-TH-IC02	18	15.523	0.058	8.2	0.0195	0.0000	OK
30 minute summer	SW-TH-IC03	18	15.462	0.102	17.2	0.0689	0.0000	OK
30 minute summer	SW-TH-IC04	18	15.368	0.158	32.6	0.1583	0.0000	OK
30 minute summer	SW-TH-IC08	35	15.304	0.299	50.4	0.0847	0.0000	SURCHARGED
30 minute summer	TANK	35	15.303	0.318	49.5	28.0681	0.0000	SURCHARGED
30 minute summer	SW-TH-MH01	34	15.303	0.358	6.2	0.4053	0.0000	SURCHARGED
30 minute summer	SW-R-MH02	242	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
30 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	5.5	0.437	0.310	0.3631	
30 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	17.8	1.039	1.005	0.0437	
30 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	3.1	0.436	0.076	0.0842	
30 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	7.2	0.824	0.169	0.1933	
30 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	8.2	0.644	0.149	0.1211	
30 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	17.1	0.724	0.431	0.6040	
30 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	32.5	0.976	0.818	1.1832	
30 minute summer	SW-TH-IC08	1.005	TANK	49.3	1.714	0.763	0.0517	
30 minute summer	TANK	1.006	SW-TH-MH01	6.2	0.588	0.060	0.0398	
30 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	14.3

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	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
30 minute winter	SW-TH-IC06	18	15.519	0.054	5.0	0.0181	0.0000	OK
30 minute winter	SW-TH-IC07	34	15.345	0.185	16.2	0.1340	0.0000	SURCHARGED
30 minute winter	SW-TH-RE01	18	15.727	0.040	2.8	0.0224	0.0000	OK
30 minute winter	SW-TH-IC01	18	15.676	0.061	6.5	0.0339	0.0000	OK
30 minute winter	SW-TH-IC02	18	15.520	0.055	7.4	0.0185	0.0000	OK
30 minute winter	SW-TH-IC03	18	15.457	0.097	15.5	0.0651	0.0000	OK
30 minute winter	SW-TH-IC04	18	15.353	0.143	29.5	0.1431	0.0000	OK
30 minute winter	SW-TH-IC08	35	15.345	0.340	45.7	0.0962	0.0000	SURCHARGED
30 minute winter	TANK	34	15.343	0.358	44.6	31.5807	0.0000	SURCHARGED
30 minute winter	SW-TH-MH01	35	15.343	0.398	10.3	0.4499	0.0000	SURCHARGED
30 minute winter	SW-R-MH02	19	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
30 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	5.0	0.431	0.282	0.3445	
30 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	16.1	1.037	0.909	0.0440	
30 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	2.8	0.424	0.069	0.0782	
30 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	6.5	0.800	0.152	0.1796	
30 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	7.4	0.627	0.135	0.1125	
30 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	15.5	0.722	0.389	0.5466	
30 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	29.5	0.932	0.743	1.1457	
30 minute winter	SW-TH-IC08	1.005	TANK	44.2	1.628	0.684	0.0517	
30 minute winter	TANK	1.006	SW-TH-MH01	10.3	0.623	0.098	0.0398	
30 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	14.1

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	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
60 minute summer	SW-TH-IC06	33	15.513	0.048	4.0	0.0161	0.0000	OK
60 minute summer	SW-TH-IC07	66	15.360	0.200	13.0	0.1451	0.0000	SURCHARGED
60 minute summer	SW-TH-RE01	33	15.723	0.036	2.3	0.0203	0.0000	OK
60 minute summer	SW-TH-IC01	33	15.670	0.055	5.3	0.0305	0.0000	OK
60 minute summer	SW-TH-IC02	33	15.515	0.050	6.1	0.0168	0.0000	OK
60 minute summer	SW-TH-IC03	33	15.446	0.086	12.6	0.0580	0.0000	OK
60 minute summer	SW-TH-IC04	65	15.360	0.150	23.8	0.1506	0.0000	OK
60 minute summer	SW-TH-IC08	66	15.361	0.356	36.6	0.1009	0.0000	SURCHARGED
60 minute summer	TANK	64	15.360	0.375	35.6	33.1009	0.0000	SURCHARGED
60 minute summer	SW-TH-MH01	64	15.360	0.415	10.6	0.4697	0.0000	SURCHARGED
60 minute summer	SW-R-MH02	34	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
60 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	4.0	0.420	0.225	0.3002	
60 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	13.0	1.005	0.731	0.0440	
60 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	2.3	0.402	0.057	0.0677	
60 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	5.3	0.754	0.124	0.1555	
60 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	6.1	0.600	0.111	0.0969	
60 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	12.5	0.692	0.316	0.4631	
60 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	23.6	0.812	0.595	1.1822	
60 minute summer	SW-TH-IC08	1.005	TANK	35.6	1.279	0.552	0.0517	
60 minute summer	TANK	1.006	SW-TH-MH01	10.6	0.565	0.101	0.0398	
60 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	15.3

Results for 30 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.74%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
60 minute winter	SW-TH-IC06	34	15.508	0.043	3.2	0.0143	0.0000	OK
60 minute winter	SW-TH-IC07	60	15.411	0.250	10.5	0.1814	0.0000	SURCHARGED
60 minute winter	SW-TH-RE01	34	15.719	0.032	1.8	0.0181	0.0000	OK
60 minute winter	SW-TH-IC01	32	15.664	0.049	4.2	0.0271	0.0000	OK
60 minute winter	SW-TH-IC02	33	15.510	0.045	4.8	0.0149	0.0000	OK
60 minute winter	SW-TH-IC03	33	15.437	0.077	10.1	0.0517	0.0000	OK
60 minute winter	SW-TH-IC04	64	15.410	0.200	19.2	0.2006	0.0000	OK
60 minute winter	SW-TH-IC08	66	15.413	0.408	29.7	0.1154	0.0000	SURCHARGED
60 minute winter	TANK	63	15.409	0.424	28.8	37.4137	0.0000	SURCHARGED
60 minute winter	SW-TH-MH01	67	15.410	0.465	7.9	0.5258	0.0000	SURCHARGED
60 minute winter	SW-R-MH02	32	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
60 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	3.2	0.404	0.180	0.3204	
60 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	10.5	0.958	0.591	0.0440	
60 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	1.8	0.373	0.044	0.0571	
60 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	4.2	0.707	0.098	0.1314	
60 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	4.8	0.558	0.087	0.0826	
60 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	10.1	0.655	0.254	0.5586	
60 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	19.2	0.741	0.482	1.3417	
60 minute winter	SW-TH-IC08	1.005	TANK	28.8	1.354	0.445	0.0517	
60 minute winter	TANK	1.006	SW-TH-MH01	7.0	0.563	0.067	0.0398	
60 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	14.6

Results for 30 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.60%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	SW-TH-IC10	2	16.474	0.000	0.0	0.0000	0.0000	OK
120 minute summer	SW-TH-IC06	64	15.504	0.039	2.7	0.0132	0.0000	OK
120 minute summer	SW-TH-IC07	122	15.453	0.293	8.9	0.2120	0.0000	SURCHARGED
120 minute summer	SW-TH-RE01	64	15.716	0.029	1.5	0.0166	0.0000	OK
120 minute summer	SW-TH-IC01	64	15.660	0.045	3.6	0.0251	0.0000	OK
120 minute summer	SW-TH-IC02	64	15.506	0.041	4.1	0.0138	0.0000	OK
120 minute summer	SW-TH-IC03	126	15.450	0.090	8.6	0.0604	0.0000	OK
120 minute summer	SW-TH-IC04	126	15.450	0.240	16.3	0.2405	0.0000	SURCHARGED
120 minute summer	SW-TH-IC08	122	15.461	0.456	24.8	0.1291	0.0000	SURCHARGED
120 minute summer	TANK	124	15.448	0.463	24.2	40.8586	0.0000	SURCHARGED
120 minute summer	SW-TH-MH01	120	15.450	0.505	7.7	0.5717	0.0000	SURCHARGED
120 minute summer	SW-R-MH02	62	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
120 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	2.7	0.384	0.152	0.3138	
120 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	8.7	0.906	0.490	0.0440	
120 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	1.5	0.350	0.037	0.0508	
120 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	3.6	0.676	0.084	0.1177	
120 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	4.1	0.533	0.075	0.0737	
120 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	8.6	0.628	0.216	0.6960	
120 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	16.3	0.581	0.409	1.3846	
120 minute summer	SW-TH-IC08	1.005	TANK	24.2	1.112	0.375	0.0517	
120 minute summer	TANK	1.006	SW-TH-MH01	6.9	0.469	0.066	0.0398	
120 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	16.7

Results for 30 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.43%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	SW-TH-IC10	2	16.474	0.000	0.0	0.0000	0.0000	OK
120 minute winter	SW-TH-IC06	122	15.512	0.047	2.1	0.0157	0.0000	OK
120 minute winter	SW-TH-IC07	122	15.510	0.350	6.9	0.2534	0.0000	SURCHARGED
120 minute winter	SW-TH-RE01	64	15.713	0.026	1.2	0.0149	0.0000	OK
120 minute winter	SW-TH-IC01	62	15.655	0.040	2.8	0.0222	0.0000	OK
120 minute winter	SW-TH-IC02	124	15.510	0.045	3.2	0.0151	0.0000	OK
120 minute winter	SW-TH-IC03	124	15.509	0.149	6.6	0.1007	0.0000	OK
120 minute winter	SW-TH-IC04	124	15.510	0.300	12.6	0.3012	0.0000	SURCHARGED
120 minute winter	SW-TH-IC08	126	15.513	0.508	19.0	0.1439	0.0000	SURCHARGED
120 minute winter	TANK	122	15.509	0.524	18.6	46.2539	0.0000	SURCHARGED
120 minute winter	SW-TH-MH01	128	15.510	0.565	12.8	0.6393	0.0000	SURCHARGED
120 minute winter	SW-R-MH02	58	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
120 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	2.1	0.362	0.118	0.3412	
120 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	6.5	0.841	0.367	0.0440	
120 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	1.2	0.332	0.030	0.0428	
120 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	2.8	0.628	0.066	0.0986	
120 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	3.2	0.501	0.058	0.1586	
120 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	6.6	0.583	0.166	0.8654	
120 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	12.6	0.553	0.317	1.3846	
120 minute winter	SW-TH-IC08	1.005	TANK	18.6	1.194	0.287	0.0517	
120 minute winter	TANK	1.006	SW-TH-MH01	11.4	0.515	0.109	0.0398	
120 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	16.8

Results for 30 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.52%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	SW-TH-IC10	4	16.474	0.000	0.0	0.0000	0.0000	OK
180 minute summer	SW-TH-IC06	96	15.500	0.035	2.1	0.0116	0.0000	OK
180 minute summer	SW-TH-IC07	184	15.483	0.323	6.8	0.2339	0.0000	SURCHARGED
180 minute summer	SW-TH-RE01	96	15.713	0.026	1.2	0.0149	0.0000	OK
180 minute summer	SW-TH-IC01	96	15.655	0.040	2.8	0.0222	0.0000	OK
180 minute summer	SW-TH-IC02	96	15.502	0.037	3.2	0.0123	0.0000	OK
180 minute summer	SW-TH-IC03	184	15.483	0.123	6.6	0.0828	0.0000	OK
180 minute summer	SW-TH-IC04	188	15.484	0.274	12.4	0.2745	0.0000	SURCHARGED
180 minute summer	SW-TH-IC08	184	15.483	0.478	18.6	0.1352	0.0000	SURCHARGED
180 minute summer	TANK	184	15.483	0.498	18.2	43.9040	0.0000	SURCHARGED
180 minute summer	SW-TH-MH01	176	15.485	0.540	7.8	0.6103	0.0000	SURCHARGED
180 minute summer	SW-R-MH02	88	14.844	0.019	0.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
180 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	2.1	0.357	0.118	0.3117	
180 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	6.5	0.819	0.365	0.0440	
180 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	1.2	0.332	0.030	0.0428	
180 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	2.8	0.628	0.066	0.0986	
180 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	3.2	0.501	0.058	0.1116	
180 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	6.6	0.586	0.166	0.7910	
180 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	12.4	0.474	0.312	1.3846	
180 minute summer	SW-TH-IC08	1.005	TANK	18.2	1.022	0.282	0.0517	
180 minute summer	TANK	1.006	SW-TH-MH01	6.5	0.406	0.062	0.0398	
180 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	19.3

Results for 30 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.36%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	SW-TH-IC10	4	16.474	0.000	0.0	0.0000	0.0000	OK
180 minute winter	SW-TH-IC06	176	15.554	0.089	1.6	0.0295	0.0000	OK
180 minute winter	SW-TH-IC07	184	15.552	0.392	5.2	0.2838	0.0000	SURCHARGED
180 minute winter	SW-TH-RE01	92	15.710	0.023	0.9	0.0130	0.0000	OK
180 minute winter	SW-TH-IC01	96	15.650	0.035	2.1	0.0192	0.0000	OK
180 minute winter	SW-TH-IC02	184	15.553	0.088	2.4	0.0294	0.0000	OK
180 minute winter	SW-TH-IC03	180	15.552	0.192	5.0	0.1297	0.0000	OK
180 minute winter	SW-TH-IC04	184	15.552	0.342	9.5	0.3433	0.0000	SURCHARGED
180 minute winter	SW-TH-IC08	184	15.555	0.550	14.2	0.1558	0.0000	SURCHARGED
180 minute winter	TANK	180	15.552	0.567	13.8	49.9990	0.0000	SURCHARGED
180 minute winter	SW-TH-MH01	184	15.551	0.606	10.0	0.6857	0.0000	SURCHARGED
180 minute winter	SW-R-MH02	84	14.844	0.019	0.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
180 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	1.6	0.327	0.090	0.4342	
180 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	4.8	0.760	0.272	0.0440	
180 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.9	0.311	0.022	0.0349	
180 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	2.1	0.578	0.049	0.1651	
180 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	2.4	0.459	0.044	0.2382	
180 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	5.0	0.539	0.126	0.9699	
180 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	9.4	0.480	0.237	1.3846	
180 minute winter	SW-TH-IC08	1.005	TANK	13.8	1.077	0.214	0.0517	
180 minute winter	TANK	1.006	SW-TH-MH01	10.0	0.415	0.095	0.0398	
180 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	19.9

Results for 100 year +40% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 99.75%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
15 minute summer	SW-TH-IC06	12	15.714	0.249	11.7	0.0830	0.0000	SURCHARGED
15 minute summer	SW-TH-IC07	12	15.603	0.443	35.6	0.3210	0.0000	SURCHARGED
15 minute summer	SW-TH-RE01	12	16.037	0.350	8.0	0.1968	0.0000	FLOOD RISK
15 minute summer	SW-TH-IC01	12	16.035	0.420	14.5	0.2337	0.0000	SURCHARGED
15 minute summer	SW-TH-IC02	12	16.019	0.554	22.5	0.1849	0.0000	SURCHARGED
15 minute summer	SW-TH-IC03	12	16.007	0.647	29.3	0.4361	0.0000	SURCHARGED
15 minute summer	SW-TH-IC04	12	15.906	0.696	57.8	0.6979	0.0000	SURCHARGED
15 minute summer	SW-TH-IC08	26	15.462	0.457	90.2	0.1294	0.0000	SURCHARGED
15 minute summer	TANK	21	15.460	0.475	89.0	41.8909	0.0000	SURCHARGED
15 minute summer	SW-TH-MH01	35	15.461	0.516	10.3	0.5832	0.0000	SURCHARGED
15 minute summer	SW-R-MH02	10	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
15 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	10.4	0.626	0.586	0.5379	
15 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	34.6	1.963	1.947	0.0440	
15 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	6.3	0.531	0.156	0.4653	
15 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	16.3	0.908	0.381	0.8789	
15 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	19.0	0.681	0.346	0.3749	
15 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	30.3	0.762	0.763	1.0158	
15 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	55.7	1.400	1.400	1.3846	
15 minute summer	SW-TH-IC08	1.005	TANK	89.0	2.244	1.378	0.0517	
15 minute summer	TANK	1.006	SW-TH-MH01	10.3	0.631	0.098	0.0398	
15 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.571	0.015	0.0132	12.1

Results for 100 year +40% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 99.57%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
15 minute winter	SW-TH-IC06	12	15.783	0.318	12.3	0.1059	0.0000	SURCHARGED
15 minute winter	SW-TH-IC07	12	15.663	0.503	37.2	0.3639	0.0000	SURCHARGED
15 minute winter	SW-TH-RE01	12	16.133	0.446	6.9	0.2513	0.0000	FLOOD RISK
15 minute winter	SW-TH-IC01	12	16.131	0.516	15.0	0.2874	0.0000	SURCHARGED
15 minute winter	SW-TH-IC02	12	16.113	0.648	16.8	0.2164	0.0000	SURCHARGED
15 minute winter	SW-TH-IC03	12	16.101	0.741	30.4	0.4991	0.0000	SURCHARGED
15 minute winter	SW-TH-IC04	12	15.992	0.781	59.5	0.7838	0.0000	SURCHARGED
15 minute winter	SW-TH-IC08	25	15.520	0.515	94.1	0.1456	0.0000	SURCHARGED
15 minute winter	TANK	19	15.515	0.530	93.1	46.7847	0.0000	SURCHARGED
15 minute winter	SW-TH-MH01	19	15.516	0.571	7.7	0.6455	0.0000	SURCHARGED
15 minute winter	SW-R-MH02	10	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
15 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	10.8	0.611	0.606	0.5379	
15 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	35.9	2.040	2.023	0.0440	
15 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	6.3	0.549	0.156	0.4653	
15 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	14.6	0.928	0.342	0.8789	
15 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	17.2	0.695	0.314	0.3749	
15 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	31.1	0.782	0.783	1.0158	
15 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	58.2	1.463	1.463	1.3846	
15 minute winter	SW-TH-IC08	1.005	TANK	93.1	2.342	1.442	0.0517	
15 minute winter	TANK	1.006	SW-TH-MH01	6.9	0.674	0.066	0.0398	
15 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	12.1

Results for 100 year +40% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.52%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
30 minute summer	SW-TH-IC06	19	15.690	0.225	10.3	0.0749	0.0000	SURCHARGED
30 minute summer	SW-TH-IC07	19	15.599	0.439	32.2	0.3177	0.0000	SURCHARGED
30 minute summer	SW-TH-RE01	20	15.943	0.256	6.2	0.1439	0.0000	SURCHARGED
30 minute summer	SW-TH-IC01	20	15.941	0.326	13.3	0.1816	0.0000	SURCHARGED
30 minute summer	SW-TH-IC02	20	15.927	0.462	13.9	0.1544	0.0000	SURCHARGED
30 minute summer	SW-TH-IC03	20	15.917	0.557	27.9	0.3755	0.0000	SURCHARGED
30 minute summer	SW-TH-IC04	20	15.836	0.626	51.0	0.6280	0.0000	SURCHARGED
30 minute summer	SW-TH-IC08	38	15.585	0.580	79.7	0.1641	0.0000	SURCHARGED
30 minute summer	TANK	35	15.582	0.597	78.9	52.7094	0.0000	SURCHARGED
30 minute summer	SW-TH-MH01	35	15.582	0.637	7.8	0.7209	0.0000	SURCHARGED
30 minute summer	SW-R-MH02	16	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
30 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	9.1	0.595	0.515	0.5379	
30 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	30.5	1.730	1.716	0.0440	
30 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	5.7	0.530	0.140	0.4653	
30 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	12.9	0.931	0.302	0.8789	
30 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	15.1	0.668	0.275	0.3749	
30 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	26.4	0.745	0.666	1.0158	
30 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	50.0	1.257	1.257	1.3846	
30 minute summer	SW-TH-IC08	1.005	TANK	78.9	1.985	1.222	0.0517	
30 minute summer	TANK	1.006	SW-TH-MH01	7.8	0.647	0.075	0.0398	
30 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.571	0.015	0.0132	13.4

Results for 100 year +40% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 99.35%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
30 minute winter	SW-TH-IC06	20	15.685	0.220	9.3	0.0733	0.0000	SURCHARGED
30 minute winter	SW-TH-IC07	34	15.655	0.495	29.2	0.3583	0.0000	SURCHARGED
30 minute winter	SW-TH-RE01	20	15.913	0.226	5.2	0.1271	0.0000	SURCHARGED
30 minute winter	SW-TH-IC01	20	15.910	0.295	12.1	0.1645	0.0000	SURCHARGED
30 minute winter	SW-TH-IC02	20	15.900	0.435	13.2	0.1453	0.0000	SURCHARGED
30 minute winter	SW-TH-IC03	20	15.893	0.533	24.2	0.3595	0.0000	SURCHARGED
30 minute winter	SW-TH-IC04	20	15.827	0.617	47.2	0.6185	0.0000	SURCHARGED
30 minute winter	SW-TH-IC08	35	15.657	0.652	73.5	0.1846	0.0000	SURCHARGED
30 minute winter	TANK	34	15.654	0.669	72.8	59.0321	0.0000	SURCHARGED
30 minute winter	SW-TH-MH01	34	15.654	0.709	4.6	0.8013	0.0000	SURCHARGED
30 minute winter	SW-R-MH02	35	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
30 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	8.6	0.570	0.483	0.5379	
30 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	27.6	1.565	1.552	0.0440	
30 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	5.2	0.497	0.127	0.4652	
30 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	11.6	0.893	0.271	0.8789	
30 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	12.1	0.690	0.221	0.3749	
30 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	23.9	0.737	0.602	1.0158	
30 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	46.1	1.160	1.160	1.3846	
30 minute winter	SW-TH-IC08	1.005	TANK	72.8	1.830	1.127	0.0517	
30 minute winter	TANK	1.006	SW-TH-MH01	-4.8	0.626	-0.046	0.0398	
30 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.573	0.015	0.0133	14.1

Results for 100 year +40% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.28%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
60 minute summer	SW-TH-IC06	65	15.700	0.235	7.5	0.0781	0.0000	SURCHARGED
60 minute summer	SW-TH-IC07	63	15.703	0.543	24.3	0.3933	0.0000	SURCHARGED
60 minute summer	SW-TH-RE01	35	15.739	0.052	4.2	0.0295	0.0000	OK
60 minute summer	SW-TH-IC01	35	15.742	0.127	9.8	0.0707	0.0000	OK
60 minute summer	SW-TH-IC02	35	15.737	0.272	11.4	0.0909	0.0000	SURCHARGED
60 minute summer	SW-TH-IC03	35	15.733	0.373	21.4	0.2512	0.0000	SURCHARGED
60 minute summer	SW-TH-IC04	65	15.697	0.487	38.9	0.4887	0.0000	SURCHARGED
60 minute summer	SW-TH-IC08	65	15.703	0.698	60.3	0.1976	0.0000	SURCHARGED
60 minute summer	TANK	64	15.698	0.713	59.7	62.9199	0.0000	SURCHARGED
60 minute summer	SW-TH-MH01	63	15.698	0.753	5.0	0.8513	0.0000	SURCHARGED
60 minute summer	SW-R-MH02	64	14.844	0.019	1.0	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
60 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	7.4	0.505	0.417	0.5379	
60 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	22.8	1.297	1.286	0.0440	
60 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	4.2	0.488	0.103	0.1762	
60 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	10.0	0.872	0.234	0.6946	
60 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	10.0	0.656	0.182	0.3749	
60 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	19.1	0.734	0.482	1.0158	
60 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	38.2	0.960	0.960	1.3846	
60 minute summer	SW-TH-IC08	1.005	TANK	59.7	1.500	0.924	0.0517	
60 minute summer	TANK	1.006	SW-TH-MH01	5.0	0.604	0.048	0.0398	
60 minute summer	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.578	0.015	0.0136	16.0

Results for 100 year +40% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 99.18%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	SW-TH-IC10	1	16.474	0.000	0.0	0.0000	0.0000	OK
60 minute winter	SW-TH-IC06	64	15.788	0.323	6.1	0.1076	0.0000	SURCHARGED
60 minute winter	SW-TH-IC07	62	15.784	0.624	19.6	0.4520	0.0000	SURCHARGED
60 minute winter	SW-TH-RE01	65	15.784	0.097	3.4	0.0549	0.0000	OK
60 minute winter	SW-TH-IC01	65	15.784	0.169	7.9	0.0943	0.0000	OK
60 minute winter	SW-TH-IC02	65	15.784	0.319	9.1	0.1066	0.0000	SURCHARGED
60 minute winter	SW-TH-IC03	65	15.784	0.424	18.4	0.2858	0.0000	SURCHARGED
60 minute winter	SW-TH-IC04	66	15.784	0.574	32.7	0.5755	0.0000	SURCHARGED
60 minute winter	SW-TH-IC08	64	15.790	0.785	49.9	0.2221	0.0000	SURCHARGED
60 minute winter	TANK	63	15.784	0.799	49.3	70.5046	0.0000	SURCHARGED
60 minute winter	SW-TH-MH01	65	15.783	0.838	5.2	0.9482	0.0000	SURCHARGED
60 minute winter	SW-R-MH02	64	14.845	0.020	1.0	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
60 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	6.0	0.427	0.341	0.5379	
60 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	18.7	1.060	1.052	0.0440	
60 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	3.4	0.461	0.084	0.2838	
60 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	8.0	0.837	0.188	0.7936	
60 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	8.7	0.644	0.159	0.3749	
60 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	16.4	0.718	0.412	1.0158	
60 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	32.3	0.811	0.811	1.3846	
60 minute winter	SW-TH-IC08	1.005	TANK	49.3	1.572	0.763	0.0517	
60 minute winter	TANK	1.006	SW-TH-MH01	5.2	0.677	0.050	0.0398	
60 minute winter	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.586	0.016	0.0140	16.7

Results for 100 year +40% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 89.25%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	SW-TH-IC10	2	16.474	0.000	0.0	0.0000	0.0000	OK
120 minute summer	SW-TH-IC06	110	15.799	0.334	5.2	0.1111	0.0000	SURCHARGED
120 minute summer	SW-TH-IC07	98	15.794	0.634	16.7	0.4590	0.0000	SURCHARGED
120 minute summer	SW-TH-RE01	90	15.792	0.105	2.9	0.0593	0.0000	OK
120 minute summer	SW-TH-IC01	98	15.792	0.177	6.8	0.0986	0.0000	OK
120 minute summer	SW-TH-IC02	104	15.790	0.325	7.9	0.1084	0.0000	SURCHARGED
120 minute summer	SW-TH-IC03	104	15.790	0.430	14.3	0.2897	0.0000	SURCHARGED
120 minute summer	SW-TH-IC04	92	15.788	0.578	28.0	0.5802	0.0000	SURCHARGED
120 minute summer	SW-TH-IC08	92	15.795	0.790	42.3	0.2236	0.0000	SURCHARGED
120 minute summer	TANK	110	15.797	0.812	41.8	70.6358	0.0000	SURCHARGED
120 minute summer	SW-TH-MH01	92	15.797	0.852	14.0	0.9634	0.0000	SURCHARGED
120 minute summer	SW-R-MH02	116	14.845	0.020	1.0	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
120 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	5.1	0.378	0.289	0.5379	
120 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	15.7	0.892	0.884	0.0440	
120 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	2.9	0.439	0.071	0.3018	
120 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	6.9	0.777	0.161	0.8099	
120 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	6.7	0.588	0.122	0.3749	
120 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	13.9	0.664	0.351	1.0158	
120 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	27.3	0.686	0.686	1.3846	
120 minute summer	SW-TH-IC08	1.005	TANK	41.8	1.333	0.647	0.0517	
120 minute summer	TANK	1.006	SW-TH-MH01	14.0	0.433	0.134	0.0398	
120 minute summer	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.586	0.016	0.0140	19.9

Results for 100 year +40% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 70.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	SW-TH-IC10	2	16.474	0.000	0.0	0.0000	0.0000	OK
120 minute winter	SW-TH-IC06	82	15.957	0.492	4.0	0.1640	0.0000	SURCHARGED
120 minute winter	SW-TH-IC07	82	15.959	0.799	12.6	0.5786	0.0000	SURCHARGED
120 minute winter	SW-TH-RE01	82	15.889	0.202	4.8	0.1138	0.0000	OK
120 minute winter	SW-TH-IC01	82	15.877	0.262	7.4	0.1460	0.0000	SURCHARGED
120 minute winter	SW-TH-IC02	82	15.880	0.415	9.1	0.1386	0.0000	SURCHARGED
120 minute winter	SW-TH-IC03	82	15.891	0.531	14.9	0.3578	0.0000	SURCHARGED
120 minute winter	SW-TH-IC04	82	15.928	0.718	22.1	0.7203	0.0000	SURCHARGED
120 minute winter	SW-TH-IC08	78	15.773	0.768	149.0	0.2173	0.0000	SURCHARGED
120 minute winter	TANK	80	15.785	0.800	260.5	70.5764	0.0000	SURCHARGED
120 minute winter	SW-TH-MH01	82	15.946	1.001	9.6	1.1322	0.0000	SURCHARGED
120 minute winter	SW-R-MH02	82	14.846	0.021	1.1	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
120 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	3.9	0.375	0.218	0.5379	
120 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	28.8	1.637	1.623	0.0440	
120 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	-3.7	0.406	-0.092	0.4506	
120 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	-5.9	0.745	-0.138	0.8789	
120 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	12.0	0.573	0.218	0.3749	
120 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	17.1	0.631	0.431	1.0158	
120 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	23.2	0.594	0.582	1.3846	
120 minute winter	SW-TH-IC08	1.005	TANK	109.8	2.761	1.700	0.0517	
120 minute winter	TANK	1.006	SW-TH-MH01	-150.7	-3.789	-1.442	0.0398	
120 minute winter	SW-TH-MH01	1.007	SW-R-MH02	1.1	0.595	0.017	0.0150	18.9

Results for 100 year +40% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 81.81%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	SW-TH-IC10	4	16.474	0.000	0.0	0.0000	0.0000	OK
180 minute summer	SW-TH-IC06	128	15.796	0.331	3.9	0.1104	0.0000	SURCHARGED
180 minute summer	SW-TH-IC07	152	15.795	0.635	12.6	0.4600	0.0000	SURCHARGED
180 minute summer	SW-TH-RE01	120	15.800	0.113	2.2	0.0634	0.0000	OK
180 minute summer	SW-TH-IC01	120	15.799	0.184	5.1	0.1024	0.0000	OK
180 minute summer	SW-TH-IC02	120	15.802	0.337	5.8	0.1126	0.0000	SURCHARGED
180 minute summer	SW-TH-IC03	116	15.802	0.442	10.9	0.2981	0.0000	SURCHARGED
180 minute summer	SW-TH-IC04	116	15.802	0.592	21.5	0.5942	0.0000	SURCHARGED
180 minute summer	SW-TH-IC08	120	15.803	0.798	32.6	0.2260	0.0000	SURCHARGED
180 minute summer	TANK	164	15.793	0.808	32.2	70.6386	0.0000	SURCHARGED
180 minute summer	SW-TH-MH01	120	15.817	0.872	19.8	0.9865	0.0000	SURCHARGED
180 minute summer	SW-R-MH02	120	14.845	0.020	1.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
180 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	3.8	0.333	0.217	0.5379	
180 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	12.0	0.770	0.673	0.0440	
180 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	4.0	0.407	0.098	0.3184	
180 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	5.5	0.712	0.130	0.8240	
180 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	5.2	0.559	0.095	0.3749	
180 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	10.5	0.587	0.264	1.0158	
180 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	21.1	0.532	0.532	1.3846	
180 minute summer	SW-TH-IC08	1.005	TANK	32.2	1.203	0.499	0.0517	
180 minute summer	TANK	1.006	SW-TH-MH01	13.5	0.486	0.129	0.0398	
180 minute summer	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.586	0.016	0.0141	23.1

Results for 100 year +40% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 73.55%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	SW-TH-IC10	4	16.474	0.000	0.0	0.0000	0.0000	OK
180 minute winter	SW-TH-IC06	116	15.801	0.336	3.0	0.1119	0.0000	SURCHARGED
180 minute winter	SW-TH-IC07	112	15.796	0.636	9.5	0.4606	0.0000	SURCHARGED
180 minute winter	SW-TH-RE01	112	15.862	0.175	1.7	0.0988	0.0000	OK
180 minute winter	SW-TH-IC01	112	15.858	0.243	7.9	0.1352	0.0000	SURCHARGED
180 minute winter	SW-TH-IC02	112	15.855	0.390	11.2	0.1302	0.0000	SURCHARGED
180 minute winter	SW-TH-IC03	112	15.848	0.488	13.2	0.3292	0.0000	SURCHARGED
180 minute winter	SW-TH-IC04	112	15.818	0.608	16.8	0.6098	0.0000	SURCHARGED
180 minute winter	SW-TH-IC08	116	15.792	0.787	25.9	0.2226	0.0000	SURCHARGED
180 minute winter	TANK	116	15.786	0.801	25.9	70.6133	0.0000	SURCHARGED
180 minute winter	SW-TH-MH01	124	15.792	0.847	30.7	0.9580	0.0000	SURCHARGED
180 minute winter	SW-R-MH02	144	14.845	0.020	1.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
180 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	3.7	0.326	0.210	0.5379	
180 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	9.6	0.780	0.541	0.0440	
180 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	6.2	0.375	0.153	0.4253	
180 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	10.8	0.687	0.253	0.8789	
180 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	9.5	0.522	0.174	0.3749	
180 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	10.6	0.573	0.268	1.0158	
180 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	16.5	0.553	0.415	1.3846	
180 minute winter	SW-TH-IC08	1.005	TANK	25.9	1.249	0.401	0.0517	
180 minute winter	TANK	1.006	SW-TH-MH01	21.3	0.536	0.204	0.0398	
180 minute winter	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.586	0.016	0.0141	23.1

Results for 1 year Critical Storm Duration. Lowest 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	SW-TH-IC10	4	16.474	0.000	0.0	0.0000	0.0000	OK
240 minute summer	SW-TH-IC06	128	15.482	0.017	0.5	0.0058	0.0000	OK
240 minute summer	SW-TH-IC07	128	15.193	0.033	1.6	0.0239	0.0000	OK
240 minute summer	SW-TH-RE01	128	15.701	0.014	0.3	0.0078	0.0000	OK
240 minute summer	SW-TH-IC01	124	15.635	0.020	0.7	0.0114	0.0000	OK
240 minute summer	SW-TH-IC02	128	15.484	0.019	0.8	0.0063	0.0000	OK
240 minute summer	SW-TH-IC03	128	15.391	0.031	1.6	0.0207	0.0000	OK
240 minute summer	SW-TH-IC04	124	15.251	0.041	3.0	0.0415	0.0000	OK
240 minute winter	SW-TH-IC08	188	15.111	0.106	3.6	0.0300	0.0000	OK
240 minute winter	TANK	188	15.111	0.126	5.9	11.1083	0.0000	OK
240 minute winter	SW-TH-MH01	176	15.113	0.168	4.5	0.1897	0.0000	OK
240 minute winter	SW-R-MH02	188	14.844	0.019	0.9	0.0000	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)
240 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
240 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.5	0.258	0.028	0.0609	
240 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	1.6	0.592	0.090	0.0068	
240 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.3	0.219	0.007	0.0162	
240 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.7	0.417	0.016	0.0372	
240 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.8	0.338	0.015	0.0228	
240 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	1.6	0.395	0.040	0.1051	
240 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	3.0	0.493	0.075	0.2911	
240 minute winter	SW-TH-IC08	1.005	TANK	3.5	0.745	0.054	0.0268	
240 minute winter	TANK	1.006	SW-TH-MH01	4.5	0.410	0.043	0.0272	
240 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.567	0.014	0.0130	19.3

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.34%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	SW-TH-IC10	4	16.474	0.000	0.0	0.0000	0.0000	OK
360 minute winter	SW-TH-IC06	352	15.589	0.124	1.0	0.0414	0.0000	OK
360 minute winter	SW-TH-IC07	344	15.589	0.429	3.2	0.3108	0.0000	SURCHARGED
240 minute summer	SW-TH-RE01	124	15.711	0.024	1.0	0.0136	0.0000	OK
240 minute summer	SW-TH-IC01	124	15.651	0.036	2.3	0.0200	0.0000	OK
360 minute winter	SW-TH-IC02	344	15.591	0.126	1.4	0.0419	0.0000	OK
360 minute winter	SW-TH-IC03	344	15.590	0.230	3.0	0.1551	0.0000	SURCHARGED
360 minute winter	SW-TH-IC04	344	15.589	0.379	5.7	0.3801	0.0000	SURCHARGED
360 minute winter	SW-TH-IC08	360	15.590	0.585	8.1	0.1655	0.0000	SURCHARGED
360 minute winter	TANK	352	15.588	0.603	13.0	53.2377	0.0000	SURCHARGED
360 minute winter	SW-TH-MH01	360	15.587	0.642	4.3	0.7264	0.0000	SURCHARGED
240 minute summer	SW-R-MH02	116	14.844	0.019	0.9	0.0000	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)
240 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
360 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	1.0	0.284	0.056	0.5075	
360 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	3.0	0.659	0.169	0.0440	
240 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	1.0	0.316	0.024	0.0372	
240 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	2.3	0.594	0.053	0.0846	
360 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	1.4	0.397	0.026	0.2947	
360 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	3.0	0.459	0.075	1.0158	
360 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	5.2	0.397	0.132	1.3846	
360 minute winter	SW-TH-IC08	1.005	TANK	8.2	0.916	0.128	0.0517	
360 minute winter	TANK	1.006	SW-TH-MH01	-7.4	0.263	-0.071	0.0398	
360 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	28.8

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 66.77%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	SW-TH-IC10	4	16.474	0.000	0.0	0.0000	0.0000	OK
360 minute winter	SW-TH-IC06	216	15.810	0.345	1.8	0.1148	0.0000	SURCHARGED
240 minute winter	SW-TH-IC07	140	15.828	0.668	7.9	0.4840	0.0000	SURCHARGED
240 minute winter	SW-TH-RE01	140	15.817	0.130	1.4	0.0733	0.0000	OK
240 minute winter	SW-TH-IC01	140	15.817	0.202	4.1	0.1126	0.0000	OK
240 minute winter	SW-TH-IC02	140	15.817	0.352	6.7	0.1175	0.0000	SURCHARGED
240 minute winter	SW-TH-IC03	140	15.817	0.457	9.5	0.3083	0.0000	SURCHARGED
240 minute winter	SW-TH-IC04	140	15.821	0.611	14.8	0.6130	0.0000	SURCHARGED
600 minute summer	SW-TH-IC08	345	15.816	0.811	13.5	0.2296	0.0000	SURCHARGED
240 minute winter	TANK	140	15.875	0.890	25.9	70.7348	0.0000	SURCHARGED
240 minute winter	SW-TH-MH01	140	15.827	0.882	9.1	0.9971	0.0000	SURCHARGED
480 minute winter	SW-R-MH02	280	14.845	0.020	1.0	0.0000	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)
240 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
360 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	1.9	0.284	0.104	0.5379	
240 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	7.7	0.714	0.432	0.0440	
240 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	2.7	0.358	0.066	0.3593	
240 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	6.4	0.641	0.151	0.8552	
240 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	6.6	0.498	0.121	0.3749	
240 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	9.3	0.535	0.233	1.0158	
240 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	15.1	0.517	0.380	1.3846	
600 minute summer	SW-TH-IC08	1.005	TANK	13.4	0.894	0.207	0.0517	
240 minute winter	TANK	1.006	SW-TH-MH01	-9.2	0.301	-0.088	0.0398	
240 minute winter	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.587	0.016	0.0141	26.3

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	SW-TH-IC10	4	16.474	0.000	0.0	0.0000	0.0000	OK
240 minute summer	SW-TH-IC06	128	15.482	0.017	0.5	0.0058	0.0000	OK
240 minute summer	SW-TH-IC07	128	15.193	0.033	1.6	0.0239	0.0000	OK
240 minute summer	SW-TH-RE01	128	15.701	0.014	0.3	0.0078	0.0000	OK
240 minute summer	SW-TH-IC01	124	15.635	0.020	0.7	0.0114	0.0000	OK
240 minute summer	SW-TH-IC02	128	15.484	0.019	0.8	0.0063	0.0000	OK
240 minute summer	SW-TH-IC03	128	15.391	0.031	1.6	0.0207	0.0000	OK
240 minute summer	SW-TH-IC04	124	15.251	0.041	3.0	0.0415	0.0000	OK
240 minute summer	SW-TH-IC08	172	15.096	0.091	4.6	0.0257	0.0000	OK
240 minute summer	TANK	172	15.096	0.111	6.0	9.7665	0.0000	OK
240 minute summer	SW-TH-MH01	168	15.099	0.154	4.1	0.1745	0.0000	OK
240 minute summer	SW-R-MH02	172	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
240 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.5	0.258	0.028	0.0609	
240 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	1.6	0.592	0.090	0.0068	
240 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.3	0.219	0.007	0.0162	
240 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.7	0.417	0.016	0.0372	
240 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.8	0.338	0.015	0.0228	
240 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	1.6	0.395	0.040	0.1051	
240 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	3.0	0.493	0.075	0.2911	
240 minute summer	SW-TH-IC08	1.005	TANK	4.5	0.706	0.070	0.0223	
240 minute summer	TANK	1.006	SW-TH-MH01	4.1	0.409	0.039	0.0242	
240 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.565	0.014	0.0129	16.9

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	SW-TH-IC10	4	16.474	0.000	0.0	0.0000	0.0000	OK
240 minute winter	SW-TH-IC06	124	15.481	0.016	0.4	0.0052	0.0000	OK
240 minute winter	SW-TH-IC07	124	15.189	0.029	1.3	0.0213	0.0000	OK
240 minute winter	SW-TH-RE01	108	15.698	0.011	0.2	0.0064	0.0000	OK
240 minute winter	SW-TH-IC01	116	15.632	0.017	0.5	0.0097	0.0000	OK
240 minute winter	SW-TH-IC02	120	15.482	0.017	0.6	0.0056	0.0000	OK
240 minute winter	SW-TH-IC03	120	15.387	0.027	1.2	0.0180	0.0000	OK
240 minute winter	SW-TH-IC04	124	15.246	0.036	2.3	0.0365	0.0000	OK
240 minute winter	SW-TH-IC08	188	15.111	0.106	3.6	0.0300	0.0000	OK
240 minute winter	TANK	188	15.111	0.126	5.9	11.1083	0.0000	OK
240 minute winter	SW-TH-MH01	176	15.113	0.168	4.5	0.1897	0.0000	OK
240 minute winter	SW-R-MH02	188	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
240 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.4	0.251	0.023	0.0518	
240 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	1.3	0.558	0.072	0.0058	
240 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.2	0.208	0.005	0.0125	
240 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.5	0.370	0.012	0.0299	
240 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.6	0.309	0.011	0.0187	
240 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	1.2	0.361	0.030	0.0867	
240 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	2.3	0.452	0.057	0.3505	
240 minute winter	SW-TH-IC08	1.005	TANK	3.5	0.745	0.054	0.0268	
240 minute winter	TANK	1.006	SW-TH-MH01	4.5	0.410	0.043	0.0272	
240 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.567	0.014	0.0130	19.3

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	SW-TH-IC10	8	16.474	0.000	0.0	0.0000	0.0000	OK
360 minute summer	SW-TH-IC06	184	15.481	0.016	0.4	0.0052	0.0000	OK
360 minute summer	SW-TH-IC07	184	15.189	0.029	1.3	0.0213	0.0000	OK
360 minute summer	SW-TH-RE01	176	15.698	0.011	0.2	0.0064	0.0000	OK
360 minute summer	SW-TH-IC01	184	15.632	0.017	0.5	0.0097	0.0000	OK
360 minute summer	SW-TH-IC02	184	15.482	0.017	0.6	0.0056	0.0000	OK
360 minute summer	SW-TH-IC03	184	15.388	0.028	1.3	0.0187	0.0000	OK
360 minute summer	SW-TH-IC04	184	15.247	0.037	2.4	0.0372	0.0000	OK
360 minute summer	SW-TH-IC08	248	15.095	0.090	3.7	0.0254	0.0000	OK
360 minute summer	TANK	248	15.095	0.110	5.8	9.6804	0.0000	OK
360 minute summer	SW-TH-MH01	240	15.098	0.153	4.5	0.1728	0.0000	OK
360 minute summer	SW-R-MH02	248	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
360 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.4	0.250	0.023	0.0520	
360 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	1.3	0.559	0.073	0.0058	
360 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.2	0.206	0.005	0.0125	
360 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.5	0.370	0.012	0.0299	
360 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.6	0.308	0.011	0.0193	
360 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	1.3	0.369	0.033	0.0900	
360 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	2.4	0.455	0.060	0.2879	
360 minute summer	SW-TH-IC08	1.005	TANK	3.6	0.657	0.056	0.0221	
360 minute summer	TANK	1.006	SW-TH-MH01	4.5	0.402	0.043	0.0239	
360 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.564	0.014	0.0129	19.6

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	SW-TH-IC10	8	16.474	0.000	0.0	0.0000	0.0000	OK
360 minute winter	SW-TH-IC06	168	15.479	0.014	0.3	0.0045	0.0000	OK
360 minute winter	SW-TH-IC07	184	15.186	0.026	1.0	0.0186	0.0000	OK
360 minute winter	SW-TH-RE01	176	15.698	0.011	0.2	0.0064	0.0000	OK
360 minute winter	SW-TH-IC01	176	15.631	0.016	0.4	0.0087	0.0000	OK
360 minute winter	SW-TH-IC02	176	15.480	0.015	0.5	0.0051	0.0000	OK
360 minute winter	SW-TH-IC03	192	15.385	0.025	1.0	0.0166	0.0000	OK
360 minute winter	SW-TH-IC04	192	15.242	0.032	1.8	0.0325	0.0000	OK
360 minute winter	SW-TH-IC08	264	15.109	0.104	2.8	0.0295	0.0000	OK
360 minute winter	TANK	264	15.109	0.124	5.0	10.9681	0.0000	OK
360 minute winter	SW-TH-MH01	256	15.112	0.167	4.3	0.1886	0.0000	OK
360 minute winter	SW-R-MH02	264	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
360 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.3	0.232	0.017	0.0426	
360 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	1.0	0.519	0.056	0.0048	
360 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.2	0.208	0.005	0.0113	
360 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.4	0.342	0.009	0.0259	
360 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.5	0.305	0.009	0.0164	
360 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	1.0	0.344	0.025	0.0746	
360 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	1.8	0.417	0.045	0.3440	
360 minute winter	SW-TH-IC08	1.005	TANK	2.7	0.687	0.042	0.0263	
360 minute winter	TANK	1.006	SW-TH-MH01	4.3	0.410	0.041	0.0270	
360 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.567	0.014	0.0130	22.1

Results for 1 year 480 minute summer. 720 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
480 minute summer	SW-TH-IC10	8	16.474	0.000	0.0	0.0000	0.0000	OK
480 minute summer	SW-TH-IC06	240	15.479	0.014	0.3	0.0045	0.0000	OK
480 minute summer	SW-TH-IC07	248	15.186	0.026	1.0	0.0187	0.0000	OK
480 minute summer	SW-TH-RE01	240	15.698	0.011	0.2	0.0064	0.0000	OK
480 minute summer	SW-TH-IC01	240	15.631	0.016	0.4	0.0087	0.0000	OK
480 minute summer	SW-TH-IC02	240	15.480	0.015	0.5	0.0051	0.0000	OK
480 minute summer	SW-TH-IC03	248	15.385	0.025	1.0	0.0166	0.0000	OK
480 minute summer	SW-TH-IC04	248	15.243	0.033	1.9	0.0334	0.0000	OK
480 minute summer	SW-TH-IC08	312	15.089	0.084	2.9	0.0238	0.0000	OK
480 minute summer	TANK	312	15.089	0.104	5.1	9.1836	0.0000	OK
480 minute summer	SW-TH-MH01	312	15.093	0.148	4.2	0.1676	0.0000	OK
480 minute summer	SW-R-MH02	312	14.844	0.019	0.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
480 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.3	0.231	0.017	0.0428	
480 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	1.0	0.521	0.056	0.0048	
480 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.2	0.208	0.005	0.0113	
480 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.4	0.342	0.009	0.0259	
480 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.5	0.292	0.009	0.0164	
480 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	1.0	0.344	0.025	0.0763	
480 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	1.9	0.435	0.048	0.2668	
480 minute summer	SW-TH-IC08	1.005	TANK	3.1	0.650	0.048	0.0205	
480 minute summer	TANK	1.006	SW-TH-MH01	4.2	0.390	0.041	0.0228	
480 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.563	0.014	0.0128	21.2

Results for 1 year 480 minute winter. 720 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
480 minute winter	SW-TH-IC10	8	16.474	0.000	0.0	0.0000	0.0000	OK
480 minute winter	SW-TH-IC06	200	15.476	0.011	0.2	0.0038	0.0000	OK
480 minute winter	SW-TH-IC07	224	15.181	0.021	0.7	0.0156	0.0000	OK
480 minute winter	SW-TH-RE01	168	15.695	0.008	0.1	0.0047	0.0000	OK
480 minute winter	SW-TH-IC01	224	15.629	0.014	0.3	0.0077	0.0000	OK
480 minute winter	SW-TH-IC02	224	15.477	0.012	0.3	0.0040	0.0000	OK
480 minute winter	SW-TH-IC03	240	15.381	0.021	0.7	0.0140	0.0000	OK
480 minute winter	SW-TH-IC04	248	15.239	0.029	1.4	0.0288	0.0000	OK
480 minute winter	SW-TH-IC08	344	15.095	0.090	2.1	0.0256	0.0000	OK
480 minute winter	TANK	344	15.095	0.110	5.0	9.7463	0.0000	OK
480 minute winter	SW-TH-MH01	328	15.099	0.154	3.9	0.1739	0.0000	OK
480 minute winter	SW-R-MH02	344	14.844	0.019	0.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
480 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.2	0.224	0.011	0.0327	
480 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	0.7	0.472	0.039	0.0037	
480 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0085	
480 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.3	0.332	0.007	0.0200	
480 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.3	0.249	0.005	0.0124	
480 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.7	0.305	0.018	0.0608	
480 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	1.4	0.396	0.035	0.2906	
480 minute winter	SW-TH-IC08	1.005	TANK	3.7	0.654	0.058	0.0223	
480 minute winter	TANK	1.006	SW-TH-MH01	3.9	0.412	0.037	0.0241	
480 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.564	0.014	0.0129	23.5

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	SW-TH-IC10	15	16.474	0.000	0.0	0.0000	0.0000	OK
600 minute summer	SW-TH-IC06	315	15.479	0.014	0.3	0.0045	0.0000	OK
600 minute summer	SW-TH-IC07	315	15.184	0.024	0.9	0.0177	0.0000	OK
600 minute summer	SW-TH-RE01	315	15.698	0.011	0.2	0.0064	0.0000	OK
600 minute summer	SW-TH-IC01	315	15.631	0.016	0.4	0.0087	0.0000	OK
600 minute summer	SW-TH-IC02	315	15.480	0.015	0.5	0.0051	0.0000	OK
600 minute summer	SW-TH-IC03	315	15.383	0.023	0.9	0.0157	0.0000	OK
600 minute summer	SW-TH-IC04	315	15.242	0.032	1.7	0.0316	0.0000	OK
600 minute summer	SW-TH-IC08	390	15.088	0.083	2.6	0.0235	0.0000	OK
600 minute summer	TANK	390	15.088	0.103	3.1	9.0920	0.0000	OK
600 minute summer	SW-TH-MH01	360	15.090	0.145	3.3	0.1638	0.0000	OK
600 minute summer	SW-R-MH02	390	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
600 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.3	0.232	0.017	0.0405	
600 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.9	0.506	0.051	0.0044	
600 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.2	0.208	0.005	0.0113	
600 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.4	0.342	0.009	0.0259	
600 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.5	0.306	0.009	0.0156	
600 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.9	0.327	0.023	0.0707	
600 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	1.7	0.421	0.043	0.2626	
600 minute summer	SW-TH-IC08	1.005	TANK	2.7	0.640	0.042	0.0201	
600 minute summer	TANK	1.006	SW-TH-MH01	3.3	0.394	0.031	0.0221	
600 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.563	0.014	0.0128	22.9

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	SW-TH-IC10	15	16.474	0.000	0.0	0.0000	0.0000	OK
600 minute winter	SW-TH-IC06	270	15.476	0.011	0.2	0.0038	0.0000	OK
600 minute winter	SW-TH-IC07	315	15.181	0.021	0.7	0.0156	0.0000	OK
600 minute winter	SW-TH-RE01	225	15.695	0.008	0.1	0.0047	0.0000	OK
600 minute winter	SW-TH-IC01	315	15.629	0.014	0.3	0.0077	0.0000	OK
600 minute winter	SW-TH-IC02	315	15.477	0.012	0.3	0.0040	0.0000	OK
600 minute winter	SW-TH-IC03	315	15.379	0.019	0.6	0.0130	0.0000	OK
600 minute winter	SW-TH-IC04	315	15.237	0.027	1.2	0.0268	0.0000	OK
600 minute winter	SW-TH-IC08	420	15.088	0.083	2.3	0.0234	0.0000	OK
600 minute winter	TANK	420	15.088	0.103	3.1	9.0447	0.0000	OK
600 minute winter	SW-TH-MH01	420	15.092	0.147	4.6	0.1662	0.0000	OK
600 minute winter	SW-R-MH02	405	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
600 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.2	0.208	0.011	0.0327	
600 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	0.7	0.472	0.039	0.0037	
600 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0085	
600 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.3	0.332	0.007	0.0200	
600 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.3	0.251	0.005	0.0115	
600 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.6	0.283	0.015	0.0546	
600 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	1.2	0.376	0.030	0.2608	
600 minute winter	SW-TH-IC08	1.005	TANK	1.9	0.641	0.029	0.0200	
600 minute winter	TANK	1.006	SW-TH-MH01	4.6	0.419	0.044	0.0225	
600 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.562	0.014	0.0128	25.7

Results for 1 year 720 minute summer. 960 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
720 minute summer	SW-TH-IC10	15	16.474	0.000	0.0	0.0000	0.0000	OK
720 minute summer	SW-TH-IC06	345	15.476	0.011	0.2	0.0038	0.0000	OK
720 minute summer	SW-TH-IC07	375	15.181	0.021	0.7	0.0156	0.0000	OK
720 minute summer	SW-TH-RE01	315	15.695	0.008	0.1	0.0047	0.0000	OK
720 minute summer	SW-TH-IC01	375	15.629	0.014	0.3	0.0077	0.0000	OK
720 minute summer	SW-TH-IC02	375	15.477	0.012	0.3	0.0040	0.0000	OK
720 minute summer	SW-TH-IC03	375	15.381	0.021	0.7	0.0140	0.0000	OK
720 minute summer	SW-TH-IC04	375	15.239	0.029	1.4	0.0288	0.0000	OK
720 minute summer	SW-TH-IC08	450	15.075	0.070	2.1	0.0199	0.0000	OK
720 minute summer	TANK	450	15.075	0.090	3.0	7.9577	0.0000	OK
720 minute summer	SW-TH-MH01	435	15.081	0.136	4.3	0.1533	0.0000	OK
720 minute summer	SW-R-MH02	450	14.843	0.018	0.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
720 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.2	0.208	0.011	0.0327	
720 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.7	0.472	0.039	0.0037	
720 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0085	
720 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.3	0.332	0.007	0.0200	
720 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.3	0.234	0.005	0.0124	
720 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.7	0.297	0.018	0.0608	
720 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	1.4	0.409	0.035	0.2141	
720 minute summer	SW-TH-IC08	1.005	TANK	2.1	0.622	0.032	0.0165	
720 minute summer	TANK	1.006	SW-TH-MH01	4.3	0.411	0.041	0.0199	
720 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.559	0.014	0.0126	23.2

Results for 1 year 720 minute winter. 960 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
720 minute winter	SW-TH-IC10	15	16.474	0.000	0.0	0.0000	0.0000	OK
720 minute winter	SW-TH-IC06	345	15.476	0.011	0.2	0.0038	0.0000	OK
720 minute winter	SW-TH-IC07	345	15.180	0.020	0.6	0.0144	0.0000	OK
720 minute winter	SW-TH-RE01	270	15.695	0.008	0.1	0.0047	0.0000	OK
720 minute winter	SW-TH-IC01	270	15.626	0.011	0.2	0.0064	0.0000	OK
720 minute winter	SW-TH-IC02	270	15.475	0.010	0.2	0.0034	0.0000	OK
720 minute winter	SW-TH-IC03	345	15.378	0.018	0.5	0.0119	0.0000	OK
720 minute winter	SW-TH-IC04	345	15.235	0.025	1.0	0.0246	0.0000	OK
720 minute winter	SW-TH-IC08	480	15.079	0.074	1.6	0.0211	0.0000	OK
720 minute winter	TANK	480	15.079	0.094	3.7	8.3317	0.0000	OK
720 minute winter	SW-TH-MH01	495	15.082	0.137	4.4	0.1555	0.0000	OK
720 minute winter	SW-R-MH02	480	14.844	0.019	0.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
720 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.2	0.208	0.011	0.0302	
720 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	0.6	0.452	0.034	0.0033	
720 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0071	
720 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.2	0.294	0.005	0.0150	
720 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.2	0.245	0.004	0.0096	
720 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.5	0.268	0.013	0.0481	
720 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	1.0	0.377	0.025	0.2281	
720 minute winter	SW-TH-IC08	1.005	TANK	1.6	0.605	0.025	0.0177	
720 minute winter	TANK	1.006	SW-TH-MH01	4.4	0.408	0.042	0.0206	
720 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.560	0.014	0.0127	26.8

Results for 30 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.46%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	SW-TH-IC10	4	16.474	0.000	0.0	0.0000	0.0000	OK
240 minute summer	SW-TH-IC06	240	15.505	0.040	1.8	0.0134	0.0000	OK
240 minute summer	SW-TH-IC07	240	15.504	0.344	5.7	0.2491	0.0000	SURCHARGED
240 minute summer	SW-TH-RE01	124	15.711	0.024	1.0	0.0136	0.0000	OK
240 minute summer	SW-TH-IC01	124	15.651	0.036	2.3	0.0200	0.0000	OK
240 minute summer	SW-TH-IC02	244	15.502	0.037	2.6	0.0123	0.0000	OK
240 minute summer	SW-TH-IC03	244	15.502	0.142	5.5	0.0956	0.0000	OK
240 minute summer	SW-TH-IC04	240	15.503	0.293	10.3	0.2934	0.0000	SURCHARGED
240 minute summer	SW-TH-IC08	252	15.503	0.498	15.4	0.1410	0.0000	SURCHARGED
240 minute summer	TANK	244	15.502	0.517	15.1	45.6404	0.0000	SURCHARGED
240 minute summer	SW-TH-MH01	240	15.501	0.556	13.6	0.6289	0.0000	SURCHARGED
240 minute summer	SW-R-MH02	116	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
240 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	1.8	0.330	0.100	0.3267	
240 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	5.2	0.776	0.292	0.0440	
240 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	1.0	0.316	0.024	0.0372	
240 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	2.3	0.594	0.053	0.0846	
240 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	2.6	0.464	0.047	0.1442	
240 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	5.4	0.554	0.136	0.8443	
240 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	10.2	0.432	0.257	1.3846	
240 minute summer	SW-TH-IC08	1.005	TANK	15.1	0.991	0.233	0.0517	
240 minute summer	TANK	1.006	SW-TH-MH01	13.0	0.392	0.125	0.0398	
240 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	22.1

Results for 30 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.34%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	SW-TH-IC10	4	16.474	0.000	0.0	0.0000	0.0000	OK
240 minute winter	SW-TH-IC06	240	15.570	0.105	1.3	0.0350	0.0000	OK
240 minute winter	SW-TH-IC07	236	15.572	0.412	4.2	0.2984	0.0000	SURCHARGED
240 minute winter	SW-TH-RE01	116	15.708	0.021	0.7	0.0115	0.0000	OK
240 minute winter	SW-TH-IC01	124	15.646	0.031	1.7	0.0174	0.0000	OK
240 minute winter	SW-TH-IC02	244	15.570	0.105	1.9	0.0352	0.0000	OK
240 minute winter	SW-TH-IC03	244	15.570	0.210	4.0	0.1416	0.0000	OK
240 minute winter	SW-TH-IC04	240	15.570	0.360	7.7	0.3612	0.0000	SURCHARGED
240 minute winter	SW-TH-IC08	240	15.577	0.572	11.4	0.1620	0.0000	SURCHARGED
240 minute winter	TANK	240	15.569	0.584	11.7	51.5459	0.0000	SURCHARGED
240 minute winter	SW-TH-MH01	232	15.568	0.623	11.7	0.7047	0.0000	SURCHARGED
240 minute winter	SW-R-MH02	108	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
240 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	1.3	0.305	0.073	0.4704	
240 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	4.0	0.714	0.228	0.0440	
240 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.7	0.286	0.017	0.0298	
240 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	1.7	0.547	0.040	0.2059	
240 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	1.9	0.427	0.035	0.2680	
240 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	4.0	0.506	0.101	1.0009	
240 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	7.5	0.446	0.189	1.3846	
240 minute winter	SW-TH-IC08	1.005	TANK	11.1	1.017	0.172	0.0517	
240 minute winter	TANK	1.006	SW-TH-MH01	11.7	0.396	0.112	0.0398	
240 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	22.9

Results for 30 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.50%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	SW-TH-IC10	8	16.474	0.000	0.0	0.0000	0.0000	OK
360 minute summer	SW-TH-IC06	360	15.505	0.040	1.3	0.0134	0.0000	OK
360 minute summer	SW-TH-IC07	360	15.506	0.346	4.3	0.2501	0.0000	SURCHARGED
360 minute summer	SW-TH-RE01	184	15.707	0.020	0.7	0.0115	0.0000	OK
360 minute summer	SW-TH-IC01	184	15.646	0.031	1.7	0.0173	0.0000	OK
360 minute summer	SW-TH-IC02	344	15.502	0.037	1.9	0.0125	0.0000	OK
360 minute summer	SW-TH-IC03	352	15.503	0.143	4.0	0.0964	0.0000	OK
360 minute summer	SW-TH-IC04	360	15.503	0.293	7.6	0.2943	0.0000	SURCHARGED
360 minute summer	SW-TH-IC08	336	15.509	0.504	11.5	0.1427	0.0000	SURCHARGED
360 minute summer	TANK	360	15.502	0.517	11.2	45.6583	0.0000	SURCHARGED
360 minute summer	SW-TH-MH01	352	15.502	0.557	8.7	0.6304	0.0000	SURCHARGED
360 minute summer	SW-R-MH02	176	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
360 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	1.3	0.294	0.073	0.3271	
360 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	3.9	0.697	0.221	0.0440	
360 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.7	0.278	0.017	0.0297	
360 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	1.7	0.545	0.039	0.0684	
360 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	1.9	0.425	0.034	0.1451	
360 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	4.0	0.503	0.099	0.8476	
360 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	7.6	0.389	0.191	1.3846	
360 minute summer	SW-TH-IC08	1.005	TANK	11.2	0.875	0.174	0.0517	
360 minute summer	TANK	1.006	SW-TH-MH01	7.3	0.414	0.070	0.0398	
360 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.571	0.015	0.0132	27.4

Results for 30 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.35%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	SW-TH-IC10	8	16.474	0.000	0.0	0.0000	0.0000	OK
360 minute winter	SW-TH-IC06	352	15.589	0.124	1.0	0.0414	0.0000	OK
360 minute winter	SW-TH-IC07	344	15.589	0.429	3.2	0.3108	0.0000	SURCHARGED
360 minute winter	SW-TH-RE01	168	15.705	0.018	0.5	0.0099	0.0000	OK
360 minute winter	SW-TH-IC01	176	15.641	0.026	1.2	0.0147	0.0000	OK
360 minute winter	SW-TH-IC02	344	15.591	0.126	1.4	0.0419	0.0000	OK
360 minute winter	SW-TH-IC03	344	15.590	0.230	3.0	0.1551	0.0000	SURCHARGED
360 minute winter	SW-TH-IC04	344	15.589	0.379	5.7	0.3801	0.0000	SURCHARGED
360 minute winter	SW-TH-IC08	360	15.590	0.585	8.1	0.1655	0.0000	SURCHARGED
360 minute winter	TANK	352	15.588	0.603	13.0	53.2377	0.0000	SURCHARGED
360 minute winter	SW-TH-MH01	360	15.587	0.642	4.3	0.7264	0.0000	SURCHARGED
360 minute winter	SW-R-MH02	160	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
360 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	1.0	0.284	0.056	0.5075	
360 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	3.0	0.659	0.169	0.0440	
360 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.5	0.262	0.012	0.0234	
360 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	1.2	0.486	0.028	0.2595	
360 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	1.4	0.397	0.026	0.2947	
360 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	3.0	0.459	0.075	1.0158	
360 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	5.2	0.397	0.132	1.3846	
360 minute winter	SW-TH-IC08	1.005	TANK	8.2	0.916	0.128	0.0517	
360 minute winter	TANK	1.006	SW-TH-MH01	-7.4	0.263	-0.071	0.0398	
360 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	28.8

Results for 30 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.54%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	SW-TH-IC10	8	16.474	0.000	0.0	0.0000	0.0000	OK
480 minute summer	SW-TH-IC06	480	15.499	0.034	1.0	0.0112	0.0000	OK
480 minute summer	SW-TH-IC07	456	15.501	0.341	3.3	0.2467	0.0000	SURCHARGED
480 minute summer	SW-TH-RE01	248	15.706	0.019	0.6	0.0107	0.0000	OK
480 minute summer	SW-TH-IC01	248	15.643	0.028	1.4	0.0158	0.0000	OK
480 minute summer	SW-TH-IC02	472	15.500	0.035	1.6	0.0118	0.0000	OK
480 minute summer	SW-TH-IC03	472	15.500	0.140	3.2	0.0944	0.0000	OK
480 minute summer	SW-TH-IC04	456	15.501	0.291	6.1	0.2914	0.0000	SURCHARGED
480 minute summer	SW-TH-IC08	472	15.499	0.494	9.0	0.1397	0.0000	SURCHARGED
480 minute summer	TANK	472	15.498	0.513	10.8	45.2781	0.0000	SURCHARGED
480 minute summer	SW-TH-MH01	456	15.497	0.552	8.7	0.6248	0.0000	SURCHARGED
480 minute summer	SW-R-MH02	232	14.844	0.019	0.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
480 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	1.0	0.293	0.056	0.3140	
480 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	3.1	0.664	0.172	0.0440	
480 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.6	0.271	0.015	0.0262	
480 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	1.4	0.512	0.033	0.0605	
480 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	1.6	0.415	0.029	0.1411	
480 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	3.2	0.473	0.081	0.8395	
480 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	6.0	0.378	0.151	1.3846	
480 minute summer	SW-TH-IC08	1.005	TANK	8.8	0.855	0.136	0.0517	
480 minute summer	TANK	1.006	SW-TH-MH01	5.2	0.371	0.050	0.0398	
480 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	32.8

Results for 30 year 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 99.44%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	SW-TH-IC10	8	16.474	0.000	0.0	0.0000	0.0000	OK
480 minute winter	SW-TH-IC06	464	15.572	0.107	0.8	0.0355	0.0000	OK
480 minute winter	SW-TH-IC07	464	15.571	0.411	2.5	0.2979	0.0000	SURCHARGED
480 minute winter	SW-TH-RE01	224	15.703	0.016	0.4	0.0089	0.0000	OK
480 minute winter	SW-TH-IC01	240	15.639	0.024	1.0	0.0135	0.0000	OK
480 minute winter	SW-TH-IC02	472	15.572	0.107	1.1	0.0358	0.0000	OK
480 minute winter	SW-TH-IC03	472	15.573	0.213	2.3	0.1433	0.0000	OK
480 minute winter	SW-TH-IC04	472	15.572	0.362	4.4	0.3628	0.0000	SURCHARGED
480 minute winter	SW-TH-IC08	472	15.571	0.566	6.6	0.1601	0.0000	SURCHARGED
480 minute winter	TANK	464	15.571	0.586	10.1	51.7037	0.0000	SURCHARGED
480 minute winter	SW-TH-MH01	464	15.570	0.625	11.6	0.7064	0.0000	SURCHARGED
480 minute winter	SW-R-MH02	216	14.844	0.019	0.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
480 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.8	0.271	0.045	0.4732	
480 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	2.5	0.618	0.142	0.0440	
480 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.4	0.243	0.010	0.0205	
480 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	1.0	0.468	0.023	0.2118	
480 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	1.1	0.364	0.020	0.2711	
480 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	2.3	0.429	0.058	1.0046	
480 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	4.4	0.383	0.109	1.3846	
480 minute winter	SW-TH-IC08	1.005	TANK	6.4	0.875	0.099	0.0517	
480 minute winter	TANK	1.006	SW-TH-MH01	10.7	0.397	0.102	0.0398	
480 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	34.0

Results for 30 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	SW-TH-IC10	15	16.474	0.000	0.0	0.0000	0.0000	OK
600 minute summer	SW-TH-IC06	315	15.487	0.022	0.8	0.0072	0.0000	OK
600 minute summer	SW-TH-IC07	525	15.476	0.316	2.6	0.2291	0.0000	SURCHARGED
600 minute summer	SW-TH-RE01	315	15.705	0.018	0.5	0.0099	0.0000	OK
600 minute summer	SW-TH-IC01	315	15.640	0.025	1.1	0.0141	0.0000	OK
600 minute summer	SW-TH-IC02	315	15.489	0.024	1.3	0.0080	0.0000	OK
600 minute summer	SW-TH-IC03	525	15.477	0.116	2.6	0.0785	0.0000	OK
600 minute summer	SW-TH-IC04	525	15.476	0.266	4.9	0.2673	0.0000	SURCHARGED
600 minute summer	SW-TH-IC08	525	15.477	0.472	7.2	0.1337	0.0000	SURCHARGED
600 minute summer	TANK	525	15.476	0.491	7.8	43.3470	0.0000	SURCHARGED
600 minute summer	SW-TH-MH01	525	15.475	0.530	9.3	0.5995	0.0000	SURCHARGED
600 minute summer	SW-R-MH02	285	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
600 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.8	0.283	0.045	0.2908	
600 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	2.4	0.643	0.136	0.0440	
600 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.5	0.263	0.012	0.0225	
600 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	1.1	0.472	0.026	0.0515	
600 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	1.3	0.389	0.024	0.1013	
600 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	2.6	0.448	0.065	0.7727	
600 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	4.8	0.377	0.121	1.3846	
600 minute summer	SW-TH-IC08	1.005	TANK	7.0	0.801	0.108	0.0517	
600 minute summer	TANK	1.006	SW-TH-MH01	9.3	0.410	0.089	0.0398	
600 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.571	0.015	0.0132	37.2

Results for 30 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 99.52%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	SW-TH-IC10	15	16.474	0.000	0.0	0.0000	0.0000	OK
600 minute winter	SW-TH-IC06	570	15.557	0.092	0.6	0.0305	0.0000	OK
600 minute winter	SW-TH-IC07	555	15.559	0.399	2.0	0.2888	0.0000	SURCHARGED
600 minute winter	SW-TH-RE01	270	15.701	0.014	0.3	0.0078	0.0000	OK
600 minute winter	SW-TH-IC01	315	15.637	0.022	0.8	0.0121	0.0000	OK
600 minute winter	SW-TH-IC02	570	15.556	0.091	0.9	0.0304	0.0000	OK
600 minute winter	SW-TH-IC03	570	15.557	0.197	1.9	0.1325	0.0000	OK
600 minute winter	SW-TH-IC04	570	15.556	0.346	3.6	0.3467	0.0000	SURCHARGED
600 minute winter	SW-TH-IC08	585	15.559	0.554	5.2	0.1568	0.0000	SURCHARGED
600 minute winter	TANK	585	15.555	0.570	18.5	50.2810	0.0000	SURCHARGED
600 minute winter	SW-TH-MH01	585	15.555	0.610	4.6	0.6902	0.0000	SURCHARGED
600 minute winter	SW-R-MH02	270	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
600 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.6	0.257	0.034	0.4410	
600 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	1.9	0.591	0.105	0.0440	
600 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.3	0.219	0.007	0.0172	
600 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.8	0.435	0.019	0.1738	
600 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	1.0	0.341	0.017	0.2442	
600 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	1.9	0.398	0.048	0.9780	
600 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	3.5	0.376	0.088	1.3846	
600 minute winter	SW-TH-IC08	1.005	TANK	7.2	0.798	0.112	0.0517	
600 minute winter	TANK	1.006	SW-TH-MH01	-11.1	0.421	-0.106	0.0398	
600 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	39.0

Results for 30 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.75%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	SW-TH-IC10	15	16.474	0.000	0.0	0.0000	0.0000	OK
720 minute summer	SW-TH-IC06	375	15.485	0.020	0.7	0.0068	0.0000	OK
720 minute summer	SW-TH-IC07	570	15.455	0.295	2.3	0.2139	0.0000	SURCHARGED
720 minute summer	SW-TH-RE01	375	15.703	0.016	0.4	0.0089	0.0000	OK
720 minute summer	SW-TH-IC01	375	15.638	0.023	0.9	0.0128	0.0000	OK
720 minute summer	SW-TH-IC02	375	15.486	0.021	1.0	0.0070	0.0000	OK
720 minute summer	SW-TH-IC03	555	15.454	0.094	2.2	0.0632	0.0000	OK
720 minute summer	SW-TH-IC04	555	15.455	0.245	4.2	0.2453	0.0000	SURCHARGED
720 minute summer	SW-TH-IC08	555	15.458	0.453	6.3	0.1283	0.0000	SURCHARGED
720 minute summer	TANK	585	15.454	0.469	10.8	41.3395	0.0000	SURCHARGED
720 minute summer	SW-TH-MH01	585	15.453	0.508	10.7	0.5750	0.0000	SURCHARGED
720 minute summer	SW-R-MH02	345	14.844	0.019	0.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
720 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.7	0.272	0.039	0.2884	
720 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	2.1	0.619	0.120	0.0440	
720 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.4	0.243	0.010	0.0195	
720 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.9	0.452	0.021	0.0440	
720 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	1.0	0.346	0.018	0.0766	
720 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	2.2	0.424	0.055	0.7077	
720 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	4.1	0.376	0.104	1.3846	
720 minute summer	SW-TH-IC08	1.005	TANK	6.1	0.741	0.094	0.0517	
720 minute summer	TANK	1.006	SW-TH-MH01	10.7	0.421	0.102	0.0398	
720 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.571	0.015	0.0132	42.1

Results for 30 year 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 99.58%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	SW-TH-IC10	15	16.474	0.000	0.0	0.0000	0.0000	OK
720 minute winter	SW-TH-IC06	660	15.539	0.074	0.5	0.0245	0.0000	OK
720 minute winter	SW-TH-IC07	645	15.538	0.378	1.7	0.2736	0.0000	SURCHARGED
720 minute winter	SW-TH-RE01	330	15.701	0.014	0.3	0.0078	0.0000	OK
720 minute winter	SW-TH-IC01	345	15.635	0.020	0.7	0.0114	0.0000	OK
720 minute winter	SW-TH-IC02	660	15.538	0.073	0.8	0.0243	0.0000	OK
720 minute winter	SW-TH-IC03	660	15.538	0.178	1.7	0.1199	0.0000	OK
720 minute winter	SW-TH-IC04	660	15.538	0.328	3.2	0.3289	0.0000	SURCHARGED
720 minute winter	SW-TH-IC08	675	15.539	0.534	4.6	0.1511	0.0000	SURCHARGED
720 minute winter	TANK	675	15.538	0.553	8.7	48.7545	0.0000	SURCHARGED
720 minute winter	SW-TH-MH01	675	15.538	0.593	6.9	0.6703	0.0000	SURCHARGED
720 minute winter	SW-R-MH02	330	14.844	0.019	0.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
720 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.5	0.250	0.028	0.4001	
720 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	1.6	0.571	0.090	0.0440	
720 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.3	0.234	0.007	0.0162	
720 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.7	0.417	0.016	0.1308	
720 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.8	0.338	0.015	0.2111	
720 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	1.7	0.390	0.043	0.9379	
720 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	3.0	0.380	0.075	1.3846	
720 minute winter	SW-TH-IC08	1.005	TANK	4.5	0.761	0.069	0.0517	
720 minute winter	TANK	1.006	SW-TH-MH01	6.8	0.403	0.065	0.0398	
720 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	43.9

Results for 100 year +40% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 76.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	SW-TH-IC10	4	16.474	0.000	0.0	0.0000	0.0000	OK
240 minute summer	SW-TH-IC06	144	15.807	0.342	3.3	0.1139	0.0000	SURCHARGED
240 minute summer	SW-TH-IC07	152	15.803	0.643	10.1	0.4653	0.0000	SURCHARGED
240 minute summer	SW-TH-RE01	148	15.815	0.128	1.9	0.0719	0.0000	OK
240 minute summer	SW-TH-IC01	144	15.809	0.194	4.4	0.1080	0.0000	OK
240 minute summer	SW-TH-IC02	144	15.808	0.343	5.0	0.1146	0.0000	SURCHARGED
240 minute summer	SW-TH-IC03	152	15.809	0.449	9.7	0.3025	0.0000	SURCHARGED
240 minute summer	SW-TH-IC04	152	15.811	0.601	17.8	0.6030	0.0000	SURCHARGED
240 minute summer	SW-TH-IC08	212	15.796	0.791	26.9	0.2238	0.0000	SURCHARGED
240 minute summer	TANK	212	15.786	0.801	29.4	70.6321	0.0000	SURCHARGED
240 minute summer	SW-TH-MH01	144	15.807	0.862	19.4	0.9754	0.0000	SURCHARGED
240 minute summer	SW-R-MH02	152	14.845	0.020	1.0	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
240 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	3.1	0.307	0.173	0.5379	
240 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	10.6	0.706	0.598	0.0440	
240 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	1.9	0.390	0.047	0.3446	
240 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	4.4	0.697	0.102	0.8418	
240 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	4.6	0.520	0.083	0.3749	
240 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	8.8	0.549	0.221	1.0158	
240 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	17.3	0.484	0.436	1.3846	
240 minute summer	SW-TH-IC08	1.005	TANK	26.7	1.106	0.413	0.0517	
240 minute summer	TANK	1.006	SW-TH-MH01	12.5	0.530	0.120	0.0398	
240 minute summer	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.586	0.016	0.0141	26.3

Results for 100 year +40% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 69.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	SW-TH-IC10	4	16.474	0.000	0.0	0.0000	0.0000	OK
240 minute winter	SW-TH-IC06	140	15.808	0.343	2.5	0.1141	0.0000	SURCHARGED
240 minute winter	SW-TH-IC07	140	15.828	0.668	7.9	0.4840	0.0000	SURCHARGED
240 minute winter	SW-TH-RE01	140	15.817	0.130	1.4	0.0733	0.0000	OK
240 minute winter	SW-TH-IC01	140	15.817	0.202	4.1	0.1126	0.0000	OK
240 minute winter	SW-TH-IC02	140	15.817	0.352	6.7	0.1175	0.0000	SURCHARGED
240 minute winter	SW-TH-IC03	140	15.817	0.457	9.5	0.3083	0.0000	SURCHARGED
240 minute winter	SW-TH-IC04	140	15.821	0.611	14.8	0.6130	0.0000	SURCHARGED
240 minute winter	SW-TH-IC08	244	15.795	0.790	21.7	0.2237	0.0000	SURCHARGED
240 minute winter	TANK	140	15.875	0.890	25.9	70.7348	0.0000	SURCHARGED
240 minute winter	SW-TH-MH01	140	15.827	0.882	9.1	0.9971	0.0000	SURCHARGED
240 minute winter	SW-R-MH02	140	14.845	0.020	1.0	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
240 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	3.0	0.317	0.168	0.5379	
240 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	7.7	0.714	0.432	0.0440	
240 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	2.7	0.358	0.066	0.3593	
240 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	6.4	0.641	0.151	0.8552	
240 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	6.6	0.498	0.121	0.3749	
240 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	9.3	0.535	0.233	1.0158	
240 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	15.1	0.517	0.380	1.3846	
240 minute winter	SW-TH-IC08	1.005	TANK	24.5	1.155	0.379	0.0517	
240 minute winter	TANK	1.006	SW-TH-MH01	-9.2	0.301	-0.088	0.0398	
240 minute winter	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.587	0.016	0.0141	26.3

Results for 100 year +40% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 75.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	SW-TH-IC10	8	16.474	0.000	0.0	0.0000	0.0000	OK
360 minute summer	SW-TH-IC06	216	15.808	0.343	2.5	0.1143	0.0000	SURCHARGED
360 minute summer	SW-TH-IC07	256	15.795	0.635	7.7	0.4601	0.0000	SURCHARGED
360 minute summer	SW-TH-RE01	216	15.798	0.111	1.4	0.0623	0.0000	OK
360 minute summer	SW-TH-IC01	216	15.797	0.182	3.5	0.1013	0.0000	OK
360 minute summer	SW-TH-IC02	208	15.795	0.330	4.3	0.1102	0.0000	SURCHARGED
360 minute summer	SW-TH-IC03	208	15.796	0.436	6.8	0.2937	0.0000	SURCHARGED
360 minute summer	SW-TH-IC04	264	15.788	0.578	13.6	0.5799	0.0000	SURCHARGED
360 minute summer	SW-TH-IC08	256	15.792	0.787	23.9	0.2228	0.0000	SURCHARGED
360 minute summer	TANK	360	15.787	0.802	37.9	70.6352	0.0000	SURCHARGED
360 minute summer	SW-TH-MH01	232	15.800	0.855	31.1	0.9675	0.0000	SURCHARGED
360 minute summer	SW-R-MH02	232	14.845	0.020	1.0	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
360 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	2.7	0.277	0.153	0.5379	
360 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	11.4	0.648	0.643	0.0440	
360 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	2.4	0.354	0.060	0.3147	
360 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	4.0	0.626	0.092	0.8198	
360 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	4.4	0.463	0.080	0.3749	
360 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	6.9	0.494	0.174	1.0158	
360 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	13.4	0.447	0.336	1.3846	
360 minute summer	SW-TH-IC08	1.005	TANK	21.3	0.977	0.331	0.0517	
360 minute summer	TANK	1.006	SW-TH-MH01	29.1	0.732	0.279	0.0398	
360 minute summer	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.587	0.016	0.0140	32.6

Results for 100 year +40% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 66.77%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	SW-TH-IC10	8	16.474	0.000	0.0	0.0000	0.0000	OK
360 minute winter	SW-TH-IC06	216	15.810	0.345	1.8	0.1148	0.0000	SURCHARGED
360 minute winter	SW-TH-IC07	216	15.799	0.639	5.7	0.4627	0.0000	SURCHARGED
360 minute winter	SW-TH-RE01	216	15.805	0.118	1.9	0.0663	0.0000	OK
360 minute winter	SW-TH-IC01	224	15.798	0.183	2.4	0.1017	0.0000	OK
360 minute winter	SW-TH-IC02	224	15.796	0.331	2.6	0.1107	0.0000	SURCHARGED
360 minute winter	SW-TH-IC03	224	15.796	0.436	5.1	0.2938	0.0000	SURCHARGED
360 minute winter	SW-TH-IC04	216	15.799	0.589	10.2	0.5909	0.0000	SURCHARGED
360 minute winter	SW-TH-IC08	240	15.795	0.790	23.9	0.2235	0.0000	SURCHARGED
360 minute winter	TANK	248	15.786	0.801	54.8	70.6335	0.0000	SURCHARGED
360 minute winter	SW-TH-MH01	240	15.802	0.857	51.8	0.9698	0.0000	SURCHARGED
360 minute winter	SW-R-MH02	272	14.845	0.020	1.0	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
360 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	1.9	0.284	0.104	0.5379	
360 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	7.0	0.643	0.393	0.0440	
360 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	-1.1	0.323	-0.028	0.3230	
360 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	2.3	0.576	0.054	0.8210	
360 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	2.4	0.448	0.043	0.3749	
360 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	5.0	0.481	0.125	1.0158	
360 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	10.0	0.476	0.252	1.3846	
360 minute winter	SW-TH-IC08	1.005	TANK	30.0	1.043	0.465	0.0517	
360 minute winter	TANK	1.006	SW-TH-MH01	39.2	0.986	0.375	0.0398	
360 minute winter	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.586	0.016	0.0140	32.6

Results for 100 year +40% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 76.33%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	SW-TH-IC10	8	16.474	0.000	0.0	0.0000	0.0000	OK
480 minute summer	SW-TH-IC06	408	15.792	0.327	2.0	0.1089	0.0000	SURCHARGED
480 minute summer	SW-TH-IC07	312	15.792	0.632	6.4	0.4575	0.0000	SURCHARGED
480 minute summer	SW-TH-RE01	272	15.800	0.113	1.1	0.0634	0.0000	OK
480 minute summer	SW-TH-IC01	272	15.798	0.183	3.2	0.1017	0.0000	OK
480 minute summer	SW-TH-IC02	280	15.795	0.330	4.1	0.1103	0.0000	SURCHARGED
480 minute summer	SW-TH-IC03	280	15.797	0.437	6.3	0.2942	0.0000	SURCHARGED
480 minute summer	SW-TH-IC04	280	15.789	0.579	10.9	0.5808	0.0000	SURCHARGED
480 minute summer	SW-TH-IC08	272	15.792	0.787	16.8	0.2226	0.0000	SURCHARGED
480 minute summer	TANK	352	15.786	0.801	29.3	70.6347	0.0000	SURCHARGED
480 minute summer	SW-TH-MH01	320	15.788	0.843	6.0	0.9532	0.0000	SURCHARGED
480 minute summer	SW-R-MH02	432	14.845	0.020	1.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
480 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	3.6	0.265	0.201	0.5379	
480 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	6.0	0.601	0.340	0.0440	
480 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	2.4	0.328	0.058	0.3186	
480 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	3.9	0.593	0.091	0.8216	
480 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	4.3	0.444	0.078	0.3749	
480 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	7.2	0.460	0.182	1.0158	
480 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	10.7	0.397	0.270	1.3846	
480 minute summer	SW-TH-IC08	1.005	TANK	16.6	0.918	0.257	0.0517	
480 minute summer	TANK	1.006	SW-TH-MH01	-20.5	-0.516	-0.197	0.0398	
480 minute summer	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.586	0.016	0.0140	39.1

Results for 100 year +40% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 67.42%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	SW-TH-IC10	8	16.474	0.000	0.0	0.0000	0.0000	OK
480 minute winter	SW-TH-IC06	280	15.804	0.339	1.5	0.1127	0.0000	SURCHARGED
480 minute winter	SW-TH-IC07	280	15.817	0.657	4.9	0.4758	0.0000	SURCHARGED
480 minute winter	SW-TH-RE01	272	15.798	0.111	1.3	0.0627	0.0000	OK
480 minute winter	SW-TH-IC01	272	15.797	0.182	4.0	0.1016	0.0000	OK
480 minute winter	SW-TH-IC02	272	15.797	0.332	5.7	0.1108	0.0000	SURCHARGED
480 minute winter	SW-TH-IC03	272	15.797	0.437	8.6	0.2943	0.0000	SURCHARGED
480 minute winter	SW-TH-IC04	280	15.800	0.590	12.8	0.5913	0.0000	SURCHARGED
480 minute winter	SW-TH-IC08	432	15.804	0.799	19.4	0.2260	0.0000	SURCHARGED
480 minute winter	TANK	368	15.798	0.813	32.5	70.6473	0.0000	SURCHARGED
480 minute winter	SW-TH-MH01	280	15.797	0.852	5.7	0.9633	0.0000	SURCHARGED
480 minute winter	SW-R-MH02	280	14.845	0.020	1.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
480 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	1.5	0.271	0.086	0.5379	
480 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	4.5	0.618	0.253	0.0440	
480 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	3.0	0.304	0.073	0.3163	
480 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	5.4	0.546	0.127	0.8202	
480 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	6.4	0.420	0.116	0.3749	
480 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	9.0	0.446	0.227	1.0158	
480 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	12.2	0.447	0.307	1.3846	
480 minute winter	SW-TH-IC08	1.005	TANK	21.0	0.975	0.325	0.0517	
480 minute winter	TANK	1.006	SW-TH-MH01	5.7	0.414	0.054	0.0398	
480 minute winter	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.587	0.016	0.0141	39.0

Results for 100 year +40% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 77.62%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	SW-TH-IC10	15	16.474	0.000	0.0	0.0000	0.0000	OK
600 minute summer	SW-TH-IC06	450	15.795	0.330	1.6	0.1098	0.0000	SURCHARGED
600 minute summer	SW-TH-IC07	480	15.790	0.630	5.0	0.4562	0.0000	SURCHARGED
600 minute summer	SW-TH-RE01	510	15.788	0.101	0.9	0.0570	0.0000	OK
600 minute summer	SW-TH-IC01	600	15.789	0.174	2.1	0.0970	0.0000	OK
600 minute summer	SW-TH-IC02	345	15.792	0.327	2.4	0.1091	0.0000	SURCHARGED
600 minute summer	SW-TH-IC03	345	15.793	0.433	4.5	0.2920	0.0000	SURCHARGED
600 minute summer	SW-TH-IC04	345	15.792	0.582	8.8	0.5842	0.0000	SURCHARGED
600 minute summer	SW-TH-IC08	345	15.816	0.811	13.5	0.2296	0.0000	SURCHARGED
600 minute summer	TANK	450	15.786	0.801	13.4	70.6275	0.0000	SURCHARGED
600 minute summer	SW-TH-MH01	450	15.789	0.844	6.6	0.9544	0.0000	SURCHARGED
600 minute summer	SW-R-MH02	345	14.845	0.020	1.0	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
600 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	1.5	0.266	0.082	0.5379	
600 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	7.9	0.580	0.443	0.0440	
600 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.9	0.311	0.022	0.2936	
600 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	2.1	0.546	0.049	0.8038	
600 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	1.9	0.425	0.035	0.3749	
600 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	4.4	0.435	0.111	1.0158	
600 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	8.7	0.377	0.218	1.3846	
600 minute summer	SW-TH-IC08	1.005	TANK	13.4	0.894	0.207	0.0517	
600 minute summer	TANK	1.006	SW-TH-MH01	3.4	0.329	0.033	0.0398	
600 minute summer	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.586	0.016	0.0141	45.0

Results for 100 year +40% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 69.41%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	SW-TH-IC10	15	16.474	0.000	0.0	0.0000	0.0000	OK
600 minute winter	SW-TH-IC06	345	15.792	0.327	1.2	0.1089	0.0000	SURCHARGED
600 minute winter	SW-TH-IC07	450	15.792	0.632	4.3	0.4573	0.0000	SURCHARGED
600 minute winter	SW-TH-RE01	345	15.793	0.106	0.7	0.0596	0.0000	OK
600 minute winter	SW-TH-IC01	405	15.791	0.176	1.6	0.0982	0.0000	OK
600 minute winter	SW-TH-IC02	345	15.794	0.329	1.8	0.1100	0.0000	SURCHARGED
600 minute winter	SW-TH-IC03	345	15.795	0.435	3.4	0.2934	0.0000	SURCHARGED
600 minute winter	SW-TH-IC04	345	15.795	0.585	6.7	0.5868	0.0000	SURCHARGED
600 minute winter	SW-TH-IC08	525	15.788	0.783	48.4	0.2215	0.0000	SURCHARGED
600 minute winter	TANK	450	15.789	0.804	10.5	70.6373	0.0000	SURCHARGED
600 minute winter	SW-TH-MH01	495	15.786	0.841	4.0	0.9517	0.0000	SURCHARGED
600 minute winter	SW-R-MH02	405	14.845	0.020	1.0	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
600 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	1.4	0.261	0.077	0.5379	
600 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	11.5	0.653	0.647	0.0440	
600 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.8	0.291	0.019	0.3023	
600 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	1.7	0.511	0.039	0.8083	
600 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	2.0	0.391	0.037	0.3749	
600 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	3.3	0.415	0.083	1.0158	
600 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	7.2	0.413	0.182	1.3846	
600 minute winter	SW-TH-IC08	1.005	TANK	-21.8	0.885	-0.338	0.0517	
600 minute winter	TANK	1.006	SW-TH-MH01	4.0	0.254	0.038	0.0398	
600 minute winter	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.586	0.016	0.0141	45.1

Results for 100 year +40% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 80.30%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	SW-TH-IC10	15	16.474	0.000	0.0	0.0000	0.0000	OK
720 minute summer	SW-TH-IC06	465	15.792	0.327	1.4	0.1088	0.0000	SURCHARGED
720 minute summer	SW-TH-IC07	420	15.790	0.630	4.4	0.4563	0.0000	SURCHARGED
720 minute summer	SW-TH-RE01	420	15.793	0.106	0.8	0.0597	0.0000	OK
720 minute summer	SW-TH-IC01	420	15.795	0.180	1.8	0.1001	0.0000	OK
720 minute summer	SW-TH-IC02	420	15.793	0.328	2.1	0.1096	0.0000	SURCHARGED
720 minute summer	SW-TH-IC03	420	15.793	0.433	4.0	0.2917	0.0000	SURCHARGED
720 minute summer	SW-TH-IC04	420	15.791	0.581	7.7	0.5829	0.0000	SURCHARGED
720 minute summer	SW-TH-IC08	420	15.798	0.793	11.8	0.2243	0.0000	SURCHARGED
720 minute summer	TANK	420	15.791	0.806	89.6	70.6401	0.0000	SURCHARGED
720 minute summer	SW-TH-MH01	420	15.807	0.862	13.1	0.9746	0.0000	SURCHARGED
720 minute summer	SW-R-MH02	420	14.845	0.020	1.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
720 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	1.3	0.250	0.072	0.5379	
720 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	4.3	0.558	0.240	0.0440	
720 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.9	0.305	0.022	0.3062	
720 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	1.8	0.523	0.042	0.8153	
720 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	1.8	0.390	0.033	0.3749	
720 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	3.8	0.414	0.094	1.0158	
720 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	7.5	0.381	0.189	1.3846	
720 minute summer	SW-TH-IC08	1.005	TANK	40.2	1.010	0.622	0.0517	
720 minute summer	TANK	1.006	SW-TH-MH01	-43.9	-1.103	-0.420	0.0398	
720 minute summer	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.586	0.016	0.0140	51.3

Results for 100 year +40% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 71.18%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	SW-TH-IC10	15	16.474	0.000	0.0	0.0000	0.0000	OK
720 minute winter	SW-TH-IC06	660	15.793	0.328	1.0	0.1093	0.0000	SURCHARGED
720 minute winter	SW-TH-IC07	405	15.792	0.632	3.2	0.4573	0.0000	SURCHARGED
720 minute winter	SW-TH-RE01	405	15.792	0.105	0.6	0.0593	0.0000	OK
720 minute winter	SW-TH-IC01	405	15.792	0.177	1.9	0.0987	0.0000	OK
720 minute winter	SW-TH-IC02	465	15.792	0.327	2.1	0.1094	0.0000	SURCHARGED
720 minute winter	SW-TH-IC03	465	15.793	0.433	3.3	0.2916	0.0000	SURCHARGED
720 minute winter	SW-TH-IC04	465	15.790	0.580	5.8	0.5815	0.0000	SURCHARGED
720 minute winter	SW-TH-IC08	465	15.794	0.789	8.8	0.2233	0.0000	SURCHARGED
720 minute winter	TANK	465	15.793	0.808	8.8	70.6418	0.0000	SURCHARGED
720 minute winter	SW-TH-MH01	435	15.791	0.846	4.0	0.9565	0.0000	SURCHARGED
720 minute winter	SW-R-MH02	405	14.845	0.020	1.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
720 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.9	0.266	0.052	0.5379	
720 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	4.3	0.581	0.242	0.0440	
720 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	1.4	0.283	0.035	0.3028	
720 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	1.9	0.486	0.045	0.8102	
720 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	1.9	0.382	0.035	0.3749	
720 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	3.1	0.409	0.078	1.0158	
720 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	5.7	0.397	0.143	1.3846	
720 minute winter	SW-TH-IC08	1.005	TANK	8.8	0.824	0.136	0.0517	
720 minute winter	TANK	1.006	SW-TH-MH01	4.0	0.308	0.038	0.0398	
720 minute winter	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.586	0.016	0.0140	51.4

Results for 1 year Critical Storm Duration. Lowest 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	SW-TH-IC10	15	16.474	0.000	0.0	0.0000	0.0000	OK
960 minute summer	SW-TH-IC06	480	15.476	0.011	0.2	0.0038	0.0000	OK
960 minute summer	SW-TH-IC07	480	15.180	0.020	0.6	0.0144	0.0000	OK
960 minute summer	SW-TH-RE01	420	15.695	0.008	0.1	0.0047	0.0000	OK
960 minute summer	SW-TH-IC01	420	15.626	0.011	0.2	0.0064	0.0000	OK
960 minute summer	SW-TH-IC02	420	15.475	0.010	0.2	0.0034	0.0000	OK
960 minute summer	SW-TH-IC03	480	15.378	0.018	0.5	0.0119	0.0000	OK
960 minute summer	SW-TH-IC04	480	15.235	0.025	1.0	0.0246	0.0000	OK
960 minute summer	SW-TH-IC08	585	15.065	0.060	1.6	0.0169	0.0000	OK
960 minute summer	TANK	585	15.064	0.079	4.1	6.9740	0.0000	OK
960 minute summer	SW-TH-MH01	570	15.071	0.126	4.4	0.1425	0.0000	OK
960 minute summer	SW-R-MH02	585	14.843	0.018	0.8	0.0000	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)
960 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
960 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.2	0.208	0.011	0.0302	
960 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.6	0.452	0.034	0.0033	
960 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0071	
960 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.2	0.294	0.005	0.0150	
960 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.2	0.220	0.004	0.0096	
960 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.5	0.268	0.013	0.0481	
960 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	1.0	0.376	0.025	0.1761	
960 minute summer	SW-TH-IC08	1.005	TANK	2.7	0.622	0.042	0.0135	
960 minute summer	TANK	1.006	SW-TH-MH01	4.4	0.417	0.042	0.0176	
960 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.8	0.556	0.013	0.0124	23.6

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.74%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	SW-TH-IC10	15	16.474	0.000	0.0	0.0000	0.0000	OK
960 minute winter	SW-TH-IC06	750	15.492	0.027	0.4	0.0090	0.0000	OK
960 minute winter	SW-TH-IC07	750	15.491	0.331	1.3	0.2396	0.0000	SURCHARGED
960 minute summer	SW-TH-RE01	480	15.701	0.014	0.3	0.0078	0.0000	OK
960 minute summer	SW-TH-IC01	480	15.635	0.020	0.7	0.0114	0.0000	OK
960 minute winter	SW-TH-IC02	765	15.491	0.026	0.6	0.0086	0.0000	OK
960 minute winter	SW-TH-IC03	765	15.490	0.130	1.3	0.0879	0.0000	OK
960 minute winter	SW-TH-IC04	750	15.491	0.281	2.5	0.2815	0.0000	SURCHARGED
960 minute winter	SW-TH-IC08	765	15.489	0.484	3.7	0.1370	0.0000	SURCHARGED
960 minute winter	TANK	750	15.488	0.503	10.8	44.4242	0.0000	SURCHARGED
960 minute winter	SW-TH-MH01	750	15.491	0.546	12.4	0.6175	0.0000	SURCHARGED
960 minute winter	SW-R-MH02	450	14.844	0.019	0.9	0.0000	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)
960 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
960 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.4	0.250	0.023	0.3020	
960 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	1.4	0.546	0.077	0.0440	
960 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.3	0.219	0.007	0.0162	
960 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.7	0.417	0.016	0.0372	
960 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.6	0.309	0.011	0.1242	
960 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	1.3	0.369	0.033	0.8123	
960 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	2.5	0.377	0.063	1.3846	
960 minute winter	SW-TH-IC08	1.005	TANK	4.5	0.661	0.069	0.0517	
960 minute winter	TANK	1.006	SW-TH-MH01	10.6	0.409	0.102	0.0398	
960 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	53.0

Results for 100 year +40% CC Critical Storm Duration. Lowest mass balance: 75.59%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	SW-TH-IC10	15	16.474	0.000	0.0	0.0000	0.0000	OK
960 minute summer	SW-TH-IC06	570	15.798	0.333	1.1	0.1108	0.0000	SURCHARGED
960 minute summer	SW-TH-IC07	660	15.791	0.631	3.4	0.4569	0.0000	SURCHARGED
960 minute winter	SW-TH-RE01	555	15.792	0.105	1.3	0.0590	0.0000	OK
960 minute winter	SW-TH-IC01	570	15.795	0.180	2.6	0.1001	0.0000	OK
960 minute winter	SW-TH-IC02	570	15.799	0.334	2.4	0.1114	0.0000	SURCHARGED
960 minute winter	SW-TH-IC03	570	15.799	0.439	2.5	0.2956	0.0000	SURCHARGED
960 minute winter	SW-TH-IC04	570	15.790	0.580	4.6	0.5818	0.0000	SURCHARGED
960 minute winter	SW-TH-IC08	930	15.797	0.792	19.6	0.2242	0.0000	SURCHARGED
1440 minute winter	TANK	960	15.788	0.803	11.4	70.6279	0.0000	SURCHARGED
1440 minute winter	SW-TH-MH01	900	15.793	0.848	12.8	0.9595	0.0000	SURCHARGED
1440 minute winter	SW-R-MH02	960	14.845	0.020	1.0	0.0000	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)
960 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
960 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	1.0	0.258	0.056	0.5379	
960 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	3.2	0.558	0.183	0.0440	
960 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	-1.1	0.266	-0.027	0.3045	
960 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	-2.3	0.467	-0.053	0.8153	
960 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	-2.3	0.358	-0.042	0.3749	
960 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	2.8	0.389	0.071	1.0158	
960 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	6.2	0.382	0.155	1.3846	
960 minute winter	SW-TH-IC08	1.005	TANK	7.1	0.829	0.110	0.0517	
1440 minute winter	TANK	1.006	SW-TH-MH01	12.8	0.412	0.122	0.0398	
1440 minute winter	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.586	0.016	0.0140	87.4

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	SW-TH-IC10	15	16.474	0.000	0.0	0.0000	0.0000	OK
960 minute summer	SW-TH-IC06	480	15.476	0.011	0.2	0.0038	0.0000	OK
960 minute summer	SW-TH-IC07	480	15.180	0.020	0.6	0.0144	0.0000	OK
960 minute summer	SW-TH-RE01	420	15.695	0.008	0.1	0.0047	0.0000	OK
960 minute summer	SW-TH-IC01	420	15.626	0.011	0.2	0.0064	0.0000	OK
960 minute summer	SW-TH-IC02	420	15.475	0.010	0.2	0.0034	0.0000	OK
960 minute summer	SW-TH-IC03	480	15.378	0.018	0.5	0.0119	0.0000	OK
960 minute summer	SW-TH-IC04	480	15.235	0.025	1.0	0.0246	0.0000	OK
960 minute summer	SW-TH-IC08	585	15.065	0.060	1.6	0.0169	0.0000	OK
960 minute summer	TANK	585	15.064	0.079	4.1	6.9740	0.0000	OK
960 minute summer	SW-TH-MH01	570	15.071	0.126	4.4	0.1425	0.0000	OK
960 minute summer	SW-R-MH02	585	14.843	0.018	0.8	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
960 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.2	0.208	0.011	0.0302	
960 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.6	0.452	0.034	0.0033	
960 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0071	
960 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.2	0.294	0.005	0.0150	
960 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.2	0.220	0.004	0.0096	
960 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.5	0.268	0.013	0.0481	
960 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	1.0	0.376	0.025	0.1761	
960 minute summer	SW-TH-IC08	1.005	TANK	2.7	0.622	0.042	0.0135	
960 minute summer	TANK	1.006	SW-TH-MH01	4.4	0.417	0.042	0.0176	
960 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.8	0.556	0.013	0.0124	23.6

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	SW-TH-IC10	15	16.474	0.000	0.0	0.0000	0.0000	OK
960 minute winter	SW-TH-IC06	315	15.473	0.008	0.1	0.0027	0.0000	OK
960 minute winter	SW-TH-IC07	420	15.176	0.016	0.4	0.0118	0.0000	OK
960 minute winter	SW-TH-RE01	390	15.695	0.008	0.1	0.0047	0.0000	OK
960 minute winter	SW-TH-IC01	390	15.626	0.011	0.2	0.0064	0.0000	OK
960 minute winter	SW-TH-IC02	390	15.475	0.010	0.2	0.0034	0.0000	OK
960 minute winter	SW-TH-IC03	390	15.376	0.016	0.4	0.0108	0.0000	OK
960 minute winter	SW-TH-IC04	450	15.232	0.022	0.8	0.0221	0.0000	OK
960 minute winter	SW-TH-IC08	615	15.063	0.058	1.6	0.0163	0.0000	OK
960 minute winter	TANK	615	15.061	0.076	3.7	6.7230	0.0000	OK
960 minute winter	SW-TH-MH01	615	15.066	0.121	4.4	0.1364	0.0000	OK
960 minute winter	SW-R-MH02	615	14.843	0.018	0.8	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
960 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.206	0.006	0.0213	
960 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	0.4	0.402	0.023	0.0025	
960 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0071	
960 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.2	0.294	0.005	0.0150	
960 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.2	0.220	0.004	0.0087	
960 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.4	0.264	0.010	0.0412	
960 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	0.8	0.377	0.020	0.1640	
960 minute winter	SW-TH-IC08	1.005	TANK	2.4	0.599	0.037	0.0129	
960 minute winter	TANK	1.006	SW-TH-MH01	4.4	0.415	0.042	0.0167	
960 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.8	0.555	0.013	0.0124	27.9

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	SW-TH-IC10	30	16.474	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	SW-TH-IC06	600	15.473	0.008	0.1	0.0027	0.0000	OK
1440 minute summer	SW-TH-IC07	720	15.176	0.016	0.4	0.0118	0.0000	OK
1440 minute summer	SW-TH-RE01	690	15.695	0.008	0.1	0.0047	0.0000	OK
1440 minute summer	SW-TH-IC01	690	15.626	0.011	0.2	0.0064	0.0000	OK
1440 minute summer	SW-TH-IC02	690	15.475	0.010	0.2	0.0034	0.0000	OK
1440 minute summer	SW-TH-IC03	690	15.376	0.016	0.4	0.0108	0.0000	OK
1440 minute summer	SW-TH-IC04	750	15.232	0.022	0.8	0.0221	0.0000	OK
1440 minute summer	SW-TH-IC08	840	15.047	0.042	1.3	0.0119	0.0000	OK
1440 minute summer	TANK	840	15.046	0.061	4.8	5.4089	0.0000	OK
1440 minute summer	SW-TH-MH01	810	15.056	0.111	4.4	0.1257	0.0000	OK
1440 minute summer	SW-R-MH02	840	14.843	0.018	0.8	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
1440 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.206	0.006	0.0213	
1440 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.4	0.402	0.023	0.0025	
1440 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0071	
1440 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.2	0.294	0.005	0.0150	
1440 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.2	0.220	0.004	0.0087	
1440 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.4	0.264	0.010	0.0412	
1440 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	0.8	0.376	0.020	0.1113	
1440 minute summer	SW-TH-IC08	1.005	TANK	2.3	0.564	0.036	0.0090	
1440 minute summer	TANK	1.006	SW-TH-MH01	4.4	0.404	0.042	0.0140	
1440 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.8	0.547	0.013	0.0121	22.7

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	SW-TH-IC10	30	16.474	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	SW-TH-IC06	540	15.473	0.008	0.1	0.0027	0.0000	OK
1440 minute winter	SW-TH-IC07	600	15.174	0.014	0.3	0.0102	0.0000	OK
1440 minute winter	SW-TH-RE01	690	15.695	0.008	0.1	0.0047	0.0000	OK
1440 minute winter	SW-TH-IC01	690	15.626	0.011	0.2	0.0064	0.0000	OK
1440 minute winter	SW-TH-IC02	690	15.475	0.010	0.2	0.0034	0.0000	OK
1440 minute winter	SW-TH-IC03	690	15.376	0.016	0.4	0.0108	0.0000	OK
1440 minute winter	SW-TH-IC04	720	15.231	0.021	0.7	0.0208	0.0000	OK
1440 minute winter	SW-TH-IC08	870	15.040	0.035	1.0	0.0100	0.0000	OK
1440 minute winter	TANK	840	15.041	0.056	4.6	4.9098	0.0000	OK
1440 minute winter	SW-TH-MH01	840	15.055	0.110	3.9	0.1245	0.0000	OK
1440 minute winter	SW-R-MH02	870	14.843	0.018	0.8	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
1440 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.206	0.006	0.0184	
1440 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	0.3	0.370	0.017	0.0020	
1440 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0071	
1440 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.2	0.294	0.005	0.0150	
1440 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.2	0.220	0.004	0.0087	
1440 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.4	0.264	0.010	0.0390	
1440 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	0.7	0.380	0.018	0.0902	
1440 minute winter	SW-TH-IC08	1.005	TANK	1.6	0.555	0.024	0.0073	
1440 minute winter	TANK	1.006	SW-TH-MH01	3.9	0.396	0.037	0.0135	
1440 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.8	0.544	0.013	0.0120	29.1

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	SW-TH-IC06	1020	15.473	0.008	0.1	0.0027	0.0000	OK
2160 minute summer	SW-TH-IC07	1080	15.174	0.014	0.3	0.0102	0.0000	OK
2160 minute summer	SW-TH-RE01	1140	15.695	0.008	0.1	0.0047	0.0000	OK
2160 minute summer	SW-TH-IC01	1140	15.626	0.011	0.2	0.0064	0.0000	OK
2160 minute summer	SW-TH-IC02	1140	15.475	0.010	0.2	0.0034	0.0000	OK
2160 minute summer	SW-TH-IC03	1140	15.376	0.016	0.4	0.0108	0.0000	OK
2160 minute summer	SW-TH-IC04	1140	15.231	0.021	0.7	0.0208	0.0000	OK
2160 minute summer	SW-TH-IC08	1200	15.028	0.023	1.0	0.0065	0.0000	OK
2160 minute summer	TANK	1200	15.030	0.045	3.0	4.0117	0.0000	OK
2160 minute summer	SW-TH-MH01	1200	15.046	0.101	2.9	0.1142	0.0000	OK
2160 minute summer	SW-R-MH02	1200	14.842	0.017	0.7	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
2160 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.205	0.006	0.0184	
2160 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.3	0.370	0.017	0.0020	
2160 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0071	
2160 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.2	0.294	0.005	0.0150	
2160 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.2	0.220	0.004	0.0087	
2160 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.4	0.263	0.010	0.0390	
2160 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	0.7	0.379	0.018	0.0665	
2160 minute summer	SW-TH-IC08	1.005	TANK	1.0	0.542	0.016	0.0051	
2160 minute summer	TANK	1.006	SW-TH-MH01	2.9	0.384	0.027	0.0115	
2160 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.7	0.534	0.012	0.0113	22.4

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	SW-TH-IC06	960	15.473	0.008	0.1	0.0027	0.0000	OK
2160 minute winter	SW-TH-IC07	1080	15.174	0.014	0.3	0.0102	0.0000	OK
2160 minute winter	SW-TH-RE01	60	15.687	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	SW-TH-IC01	1080	15.623	0.008	0.1	0.0047	0.0000	OK
2160 minute winter	SW-TH-IC02	1080	15.472	0.007	0.1	0.0024	0.0000	OK
2160 minute winter	SW-TH-IC03	1080	15.372	0.012	0.2	0.0078	0.0000	OK
2160 minute winter	SW-TH-IC04	1080	15.226	0.016	0.4	0.0160	0.0000	OK
2160 minute winter	SW-TH-IC08	1080	15.023	0.018	0.7	0.0052	0.0000	OK
2160 minute winter	TANK	1200	15.016	0.031	2.0	2.7088	0.0000	OK
2160 minute winter	SW-TH-MH01	1200	15.029	0.084	2.7	0.0944	0.0000	OK
2160 minute winter	SW-R-MH02	1200	14.841	0.016	0.7	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
2160 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.206	0.006	0.0184	
2160 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	0.3	0.370	0.017	0.0020	
2160 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.0	0.000	0.000	0.0027	
2160 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.1	0.240	0.002	0.0092	
2160 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.1	0.181	0.002	0.0054	
2160 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.2	0.202	0.005	0.0255	
2160 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	0.4	0.311	0.010	0.0481	
2160 minute winter	SW-TH-IC08	1.005	TANK	0.7	0.542	0.011	0.0030	
2160 minute winter	TANK	1.006	SW-TH-MH01	2.7	0.399	0.026	0.0083	
2160 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.7	0.513	0.010	0.0105	26.1

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	SW-TH-IC06	1380	15.473	0.008	0.1	0.0027	0.0000	OK
2880 minute summer	SW-TH-IC07	1440	15.174	0.014	0.3	0.0102	0.0000	OK
2880 minute summer	SW-TH-RE01	60	15.687	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	SW-TH-IC01	1440	15.623	0.008	0.1	0.0047	0.0000	OK
2880 minute summer	SW-TH-IC02	1440	15.472	0.007	0.1	0.0024	0.0000	OK
2880 minute summer	SW-TH-IC03	1440	15.372	0.012	0.2	0.0078	0.0000	OK
2880 minute summer	SW-TH-IC04	1440	15.226	0.016	0.4	0.0160	0.0000	OK
2880 minute summer	SW-TH-IC08	1440	15.023	0.018	0.7	0.0052	0.0000	OK
2880 minute summer	TANK	1560	15.015	0.030	2.0	2.6867	0.0000	OK
2880 minute summer	SW-TH-MH01	1620	15.022	0.077	1.8	0.0871	0.0000	OK
2880 minute summer	SW-R-MH02	1620	14.841	0.016	0.7	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
2880 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.205	0.006	0.0184	
2880 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.3	0.370	0.017	0.0020	
2880 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.0	0.000	0.000	0.0027	
2880 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.1	0.240	0.002	0.0092	
2880 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.1	0.181	0.002	0.0054	
2880 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.2	0.202	0.005	0.0255	
2880 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	0.4	0.309	0.010	0.0480	
2880 minute summer	SW-TH-IC08	1.005	TANK	0.7	0.542	0.011	0.0030	
2880 minute summer	TANK	1.006	SW-TH-MH01	1.8	0.340	0.017	0.0075	
2880 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.7	0.515	0.010	0.0105	21.8

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	SW-TH-IC06	1320	15.473	0.008	0.1	0.0027	0.0000	OK
2880 minute winter	SW-TH-IC07	1320	15.172	0.012	0.2	0.0084	0.0000	OK
2880 minute winter	SW-TH-RE01	60	15.687	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	SW-TH-IC01	60	15.615	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	SW-TH-IC02	60	15.465	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	SW-TH-IC03	1080	15.368	0.008	0.1	0.0057	0.0000	OK
2880 minute winter	SW-TH-IC04	1380	15.224	0.014	0.3	0.0141	0.0000	OK
2880 minute winter	SW-TH-IC08	1320	15.020	0.015	0.5	0.0043	0.0000	OK
2880 minute winter	TANK	1620	15.002	0.017	0.7	1.5129	0.0000	OK
2880 minute winter	SW-TH-MH01	1500	15.009	0.064	1.2	0.0721	0.0000	OK
2880 minute winter	SW-R-MH02	1620	14.840	0.015	0.5	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
2880 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.206	0.006	0.0152	
2880 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	0.2	0.328	0.011	0.0015	
2880 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.0	0.000	0.000	0.0000	
2880 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.0	0.000	0.000	0.0000	
2880 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.0	0.000	0.000	0.0022	
2880 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.1	0.165	0.003	0.0189	
2880 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	0.3	0.280	0.008	0.0375	
2880 minute winter	SW-TH-IC08	1.005	TANK	0.5	0.520	0.008	0.0016	
2880 minute winter	TANK	1.006	SW-TH-MH01	1.2	0.258	0.011	0.0053	
2880 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.5	0.480	0.008	0.0087	25.9

Results for 1 year 4320 minute summer. 4560 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
4320 minute summer	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	SW-TH-IC06	2100	15.473	0.008	0.1	0.0027	0.0000	OK
4320 minute summer	SW-TH-IC07	2100	15.172	0.012	0.2	0.0084	0.0000	OK
4320 minute summer	SW-TH-RE01	60	15.687	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	SW-TH-IC01	60	15.615	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	SW-TH-IC02	60	15.465	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	SW-TH-IC03	1920	15.368	0.008	0.1	0.0057	0.0000	OK
4320 minute summer	SW-TH-IC04	2160	15.224	0.014	0.3	0.0141	0.0000	OK
4320 minute summer	SW-TH-IC08	2100	15.020	0.015	0.5	0.0043	0.0000	OK
4320 minute summer	TANK	2280	15.001	0.016	0.7	1.4467	0.0000	OK
4320 minute summer	SW-TH-MH01	2280	15.008	0.063	1.0	0.0713	0.0000	OK
4320 minute summer	SW-R-MH02	2340	14.839	0.014	0.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
4320 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.206	0.006	0.0152	
4320 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.2	0.328	0.011	0.0015	
4320 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.0	0.000	0.000	0.0000	
4320 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.0	0.000	0.000	0.0000	
4320 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.0	0.000	0.000	0.0022	
4320 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.1	0.165	0.003	0.0189	
4320 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	0.3	0.280	0.008	0.0374	
4320 minute summer	SW-TH-IC08	1.005	TANK	0.5	0.521	0.008	0.0016	
4320 minute summer	TANK	1.006	SW-TH-MH01	1.0	0.232	0.010	0.0052	
4320 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.5	0.471	0.008	0.0085	20.8

Results for 1 year 4320 minute winter. 4560 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
4320 minute winter	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SW-TH-IC06	60	15.465	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SW-TH-IC07	1560	15.168	0.008	0.1	0.0060	0.0000	OK
4320 minute winter	SW-TH-RE01	60	15.687	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SW-TH-IC01	60	15.615	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SW-TH-IC02	60	15.465	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SW-TH-IC03	1800	15.368	0.008	0.1	0.0057	0.0000	OK
4320 minute winter	SW-TH-IC04	1800	15.222	0.012	0.2	0.0116	0.0000	OK
4320 minute winter	SW-TH-IC08	1800	15.017	0.012	0.3	0.0034	0.0000	OK
4320 minute winter	TANK	2040	14.994	0.009	0.3	0.7968	0.0000	OK
4320 minute winter	SW-TH-MH01	2040	14.988	0.043	0.3	0.0482	0.0000	OK
4320 minute winter	SW-R-MH02	2040	14.836	0.011	0.3	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
4320 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.0	0.000	0.000	0.0058	
4320 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	0.1	0.267	0.006	0.0009	
4320 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.0	0.000	0.000	0.0000	
4320 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.0	0.000	0.000	0.0000	
4320 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.0	0.000	0.000	0.0022	
4320 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.1	0.165	0.003	0.0157	
4320 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	0.2	0.256	0.005	0.0272	
4320 minute winter	SW-TH-IC08	1.005	TANK	0.3	0.494	0.005	0.0009	
4320 minute winter	TANK	1.006	SW-TH-MH01	0.3	0.120	0.003	0.0029	
4320 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.3	0.406	0.005	0.0060	24.5

Results for 30 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	SW-TH-IC10	15	16.474	0.000	0.0	0.0000	0.0000	OK
960 minute summer	SW-TH-IC06	495	15.484	0.019	0.6	0.0063	0.0000	OK
960 minute summer	SW-TH-IC07	705	15.420	0.260	1.9	0.1885	0.0000	SURCHARGED
960 minute summer	SW-TH-RE01	480	15.701	0.014	0.3	0.0078	0.0000	OK
960 minute summer	SW-TH-IC01	480	15.635	0.020	0.7	0.0114	0.0000	OK
960 minute summer	SW-TH-IC02	480	15.484	0.019	0.8	0.0063	0.0000	OK
960 minute summer	SW-TH-IC03	705	15.421	0.061	1.7	0.0410	0.0000	OK
960 minute summer	SW-TH-IC04	690	15.419	0.209	3.3	0.2094	0.0000	OK
960 minute summer	SW-TH-IC08	705	15.423	0.418	5.1	0.1183	0.0000	SURCHARGED
960 minute summer	TANK	705	15.419	0.434	10.2	38.2674	0.0000	SURCHARGED
960 minute summer	SW-TH-MH01	780	15.416	0.471	11.6	0.5327	0.0000	SURCHARGED
960 minute summer	SW-R-MH02	480	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
960 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.6	0.257	0.034	0.2837	
960 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	1.8	0.591	0.102	0.0440	
960 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.3	0.219	0.007	0.0162	
960 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.7	0.417	0.016	0.0372	
960 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.8	0.338	0.015	0.0427	
960 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	1.7	0.392	0.043	0.6011	
960 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	3.3	0.376	0.083	1.3617	
960 minute summer	SW-TH-IC08	1.005	TANK	5.0	0.656	0.077	0.0517	
960 minute summer	TANK	1.006	SW-TH-MH01	11.6	0.425	0.111	0.0398	
960 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.571	0.015	0.0132	51.5

Results for 30 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 99.74%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	SW-TH-IC10	15	16.474	0.000	0.0	0.0000	0.0000	OK
960 minute winter	SW-TH-IC06	750	15.492	0.027	0.4	0.0090	0.0000	OK
960 minute winter	SW-TH-IC07	750	15.491	0.331	1.3	0.2396	0.0000	SURCHARGED
960 minute winter	SW-TH-RE01	390	15.698	0.011	0.2	0.0064	0.0000	OK
960 minute winter	SW-TH-IC01	435	15.632	0.017	0.5	0.0097	0.0000	OK
960 minute winter	SW-TH-IC02	765	15.491	0.026	0.6	0.0086	0.0000	OK
960 minute winter	SW-TH-IC03	765	15.490	0.130	1.3	0.0879	0.0000	OK
960 minute winter	SW-TH-IC04	750	15.491	0.281	2.5	0.2815	0.0000	SURCHARGED
960 minute winter	SW-TH-IC08	765	15.489	0.484	3.7	0.1370	0.0000	SURCHARGED
960 minute winter	TANK	750	15.488	0.503	10.8	44.4242	0.0000	SURCHARGED
960 minute winter	SW-TH-MH01	750	15.491	0.546	12.4	0.6175	0.0000	SURCHARGED
960 minute winter	SW-R-MH02	450	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
960 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.4	0.250	0.023	0.3020	
960 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	1.4	0.546	0.077	0.0440	
960 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.2	0.208	0.005	0.0125	
960 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.5	0.370	0.012	0.0348	
960 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.6	0.309	0.011	0.1242	
960 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	1.3	0.369	0.033	0.8123	
960 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	2.5	0.377	0.063	1.3846	
960 minute winter	SW-TH-IC08	1.005	TANK	4.5	0.661	0.069	0.0517	
960 minute winter	TANK	1.006	SW-TH-MH01	10.6	0.409	0.102	0.0398	
960 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	53.0

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	SW-TH-IC10	30	16.474	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	SW-TH-IC06	750	15.481	0.016	0.4	0.0052	0.0000	OK
1440 minute summer	SW-TH-IC07	960	15.353	0.193	1.3	0.1394	0.0000	SURCHARGED
1440 minute summer	SW-TH-RE01	690	15.698	0.011	0.2	0.0064	0.0000	OK
1440 minute summer	SW-TH-IC01	750	15.632	0.017	0.5	0.0097	0.0000	OK
1440 minute summer	SW-TH-IC02	750	15.482	0.017	0.6	0.0056	0.0000	OK
1440 minute summer	SW-TH-IC03	750	15.387	0.027	1.2	0.0180	0.0000	OK
1440 minute summer	SW-TH-IC04	990	15.353	0.143	2.3	0.1435	0.0000	OK
1440 minute summer	SW-TH-IC08	960	15.354	0.349	3.6	0.0989	0.0000	SURCHARGED
1440 minute summer	TANK	990	15.352	0.367	8.4	32.4078	0.0000	SURCHARGED
1440 minute summer	SW-TH-MH01	960	15.350	0.405	10.0	0.4586	0.0000	SURCHARGED
1440 minute summer	SW-R-MH02	1500	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
1440 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.4	0.240	0.023	0.2782	
1440 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	1.3	0.523	0.072	0.0440	
1440 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.2	0.208	0.005	0.0125	
1440 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.5	0.370	0.012	0.0299	
1440 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.6	0.309	0.011	0.0187	
1440 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	1.2	0.355	0.030	0.3533	
1440 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	2.3	0.377	0.058	1.1558	
1440 minute summer	SW-TH-IC08	1.005	TANK	3.5	0.606	0.053	0.0517	
1440 minute summer	TANK	1.006	SW-TH-MH01	9.6	0.387	0.092	0.0398	
1440 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	71.3

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	SW-TH-IC10	30	16.474	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	SW-TH-IC06	690	15.479	0.014	0.3	0.0045	0.0000	OK
1440 minute winter	SW-TH-IC07	1080	15.394	0.234	1.0	0.1692	0.0000	SURCHARGED
1440 minute winter	SW-TH-RE01	720	15.698	0.011	0.2	0.0064	0.0000	OK
1440 minute winter	SW-TH-IC01	720	15.631	0.016	0.4	0.0087	0.0000	OK
1440 minute winter	SW-TH-IC02	720	15.480	0.015	0.5	0.0051	0.0000	OK
1440 minute winter	SW-TH-IC03	1110	15.393	0.033	1.0	0.0223	0.0000	OK
1440 minute winter	SW-TH-IC04	1110	15.392	0.182	1.8	0.1829	0.0000	OK
1440 minute winter	SW-TH-IC08	1110	15.396	0.391	2.7	0.1107	0.0000	SURCHARGED
1440 minute winter	TANK	1080	15.392	0.407	8.3	35.9035	0.0000	SURCHARGED
1440 minute winter	SW-TH-MH01	1080	15.397	0.452	7.6	0.5116	0.0000	SURCHARGED
1440 minute winter	SW-R-MH02	720	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
1440 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.3	0.232	0.017	0.2781	
1440 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	1.3	0.506	0.072	0.0440	
1440 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.2	0.208	0.005	0.0113	
1440 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.4	0.342	0.009	0.0259	
1440 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.5	0.292	0.009	0.0198	
1440 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	1.0	0.344	0.025	0.4866	
1440 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	1.8	0.378	0.045	1.2923	
1440 minute winter	SW-TH-IC08	1.005	TANK	2.7	0.583	0.042	0.0517	
1440 minute winter	TANK	1.006	SW-TH-MH01	5.9	0.263	0.057	0.0398	
1440 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	72.7

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	SW-TH-IC06	1140	15.479	0.014	0.3	0.0045	0.0000	OK
2160 minute summer	SW-TH-IC07	1380	15.266	0.106	0.9	0.0770	0.0000	OK
2160 minute summer	SW-TH-RE01	900	15.695	0.008	0.1	0.0047	0.0000	OK
2160 minute summer	SW-TH-IC01	1080	15.629	0.014	0.3	0.0077	0.0000	OK
2160 minute summer	SW-TH-IC02	1080	15.477	0.012	0.3	0.0040	0.0000	OK
2160 minute summer	SW-TH-IC03	1140	15.381	0.021	0.7	0.0140	0.0000	OK
2160 minute summer	SW-TH-IC04	1380	15.266	0.056	1.4	0.0565	0.0000	OK
2160 minute summer	SW-TH-IC08	1380	15.266	0.261	2.3	0.0740	0.0000	SURCHARGED
2160 minute summer	TANK	1380	15.266	0.281	3.6	24.8228	0.0000	SURCHARGED
2160 minute summer	SW-TH-MH01	1380	15.266	0.321	3.7	0.3634	0.0000	SURCHARGED
2160 minute summer	SW-R-MH02	1140	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
2160 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.3	0.246	0.017	0.2096	
2160 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.9	0.506	0.051	0.0371	
2160 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0085	
2160 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.3	0.332	0.007	0.0200	
2160 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.3	0.251	0.005	0.0124	
2160 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.7	0.297	0.018	0.1121	
2160 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	1.4	0.362	0.035	0.8275	
2160 minute summer	SW-TH-IC08	1.005	TANK	2.2	0.542	0.035	0.0517	
2160 minute summer	TANK	1.006	SW-TH-MH01	3.7	0.423	0.036	0.0398	
2160 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	82.7

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	SW-TH-IC06	960	15.476	0.011	0.2	0.0038	0.0000	OK
2160 minute winter	SW-TH-IC07	1440	15.264	0.104	0.7	0.0753	0.0000	OK
2160 minute winter	SW-TH-RE01	840	15.695	0.008	0.1	0.0047	0.0000	OK
2160 minute winter	SW-TH-IC01	1140	15.629	0.014	0.3	0.0077	0.0000	OK
2160 minute winter	SW-TH-IC02	1140	15.477	0.012	0.3	0.0040	0.0000	OK
2160 minute winter	SW-TH-IC03	1140	15.379	0.019	0.6	0.0130	0.0000	OK
2160 minute winter	SW-TH-IC04	1440	15.264	0.054	1.2	0.0543	0.0000	OK
2160 minute winter	SW-TH-IC08	1440	15.264	0.259	1.9	0.0733	0.0000	SURCHARGED
2160 minute winter	TANK	1440	15.264	0.279	3.0	24.6190	0.0000	SURCHARGED
2160 minute winter	SW-TH-MH01	1440	15.264	0.319	3.7	0.3608	0.0000	SURCHARGED
2160 minute winter	SW-R-MH02	1800	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
2160 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.2	0.225	0.011	0.2048	
2160 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	0.9	0.471	0.052	0.0364	
2160 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0085	
2160 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.3	0.332	0.007	0.0200	
2160 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.3	0.251	0.005	0.0115	
2160 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.6	0.283	0.015	0.1093	
2160 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	1.2	0.367	0.030	0.8197	
2160 minute winter	SW-TH-IC08	1.005	TANK	2.7	0.556	0.041	0.0517	
2160 minute winter	TANK	1.006	SW-TH-MH01	3.7	0.400	0.035	0.0398	
2160 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	91.9

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	SW-TH-IC06	1440	15.476	0.011	0.2	0.0038	0.0000	OK
2880 minute summer	SW-TH-IC07	1740	15.199	0.039	0.7	0.0282	0.0000	OK
2880 minute summer	SW-TH-RE01	1260	15.695	0.008	0.1	0.0047	0.0000	OK
2880 minute summer	SW-TH-IC01	1500	15.629	0.014	0.3	0.0077	0.0000	OK
2880 minute summer	SW-TH-IC02	1500	15.477	0.012	0.3	0.0040	0.0000	OK
2880 minute summer	SW-TH-IC03	1500	15.379	0.019	0.6	0.0130	0.0000	OK
2880 minute summer	SW-TH-IC04	1500	15.237	0.027	1.2	0.0268	0.0000	OK
2880 minute summer	SW-TH-IC08	1740	15.198	0.193	1.9	0.0547	0.0000	OK
2880 minute summer	TANK	1740	15.198	0.213	4.5	18.8205	0.0000	OK
2880 minute summer	SW-TH-MH01	1740	15.198	0.253	3.0	0.2865	0.0000	SURCHARGED
2880 minute summer	SW-R-MH02	1620	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
2880 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.2	0.217	0.011	0.0611	
2880 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.7	0.472	0.039	0.0134	
2880 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0085	
2880 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.3	0.332	0.007	0.0200	
2880 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.3	0.251	0.005	0.0115	
2880 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.6	0.283	0.015	0.0546	
2880 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	1.2	0.361	0.030	0.6638	
2880 minute summer	SW-TH-IC08	1.005	TANK	3.4	0.520	0.052	0.0489	
2880 minute summer	TANK	1.006	SW-TH-MH01	3.0	0.226	0.029	0.0394	
2880 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	81.2

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	SW-TH-IC06	1440	15.476	0.011	0.2	0.0038	0.0000	OK
2880 minute winter	SW-TH-IC07	1500	15.180	0.020	0.6	0.0144	0.0000	OK
2880 minute winter	SW-TH-RE01	1140	15.695	0.008	0.1	0.0047	0.0000	OK
2880 minute winter	SW-TH-IC01	1140	15.626	0.011	0.2	0.0064	0.0000	OK
2880 minute winter	SW-TH-IC02	1140	15.475	0.010	0.2	0.0034	0.0000	OK
2880 minute winter	SW-TH-IC03	1500	15.378	0.018	0.5	0.0119	0.0000	OK
2880 minute winter	SW-TH-IC04	1500	15.233	0.023	0.9	0.0234	0.0000	OK
2880 minute winter	SW-TH-IC08	1860	15.180	0.175	1.9	0.0496	0.0000	OK
2880 minute winter	TANK	1860	15.181	0.196	2.4	17.2642	0.0000	OK
2880 minute winter	SW-TH-MH01	1860	15.181	0.236	4.8	0.2665	0.0000	SURCHARGED
2880 minute winter	SW-R-MH02	1800	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
2880 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.2	0.226	0.011	0.0302	
2880 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	0.6	0.452	0.034	0.0071	
2880 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0071	
2880 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.2	0.294	0.005	0.0150	
2880 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.2	0.220	0.004	0.0096	
2880 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.5	0.280	0.013	0.0460	
2880 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	0.9	0.368	0.023	0.6098	
2880 minute winter	SW-TH-IC08	1.005	TANK	1.7	0.556	0.027	0.0454	
2880 minute winter	TANK	1.006	SW-TH-MH01	4.8	0.415	0.046	0.0382	
2880 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	94.5

Results for 30 year 4320 minute summer. 4560 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
4320 minute summer	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	SW-TH-IC06	2220	15.476	0.011	0.2	0.0038	0.0000	OK
4320 minute summer	SW-TH-IC07	2220	15.178	0.018	0.5	0.0131	0.0000	OK
4320 minute summer	SW-TH-RE01	1980	15.695	0.008	0.1	0.0047	0.0000	OK
4320 minute summer	SW-TH-IC01	1980	15.626	0.011	0.2	0.0064	0.0000	OK
4320 minute summer	SW-TH-IC02	1980	15.475	0.010	0.2	0.0034	0.0000	OK
4320 minute summer	SW-TH-IC03	2220	15.378	0.018	0.5	0.0119	0.0000	OK
4320 minute summer	SW-TH-IC04	2220	15.233	0.023	0.9	0.0234	0.0000	OK
4320 minute summer	SW-TH-IC08	2460	15.124	0.119	1.4	0.0337	0.0000	OK
4320 minute summer	TANK	2460	15.124	0.139	2.4	12.2629	0.0000	OK
4320 minute summer	SW-TH-MH01	2460	15.126	0.181	4.7	0.2043	0.0000	OK
4320 minute summer	SW-R-MH02	2460	14.844	0.019	0.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
4320 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.2	0.226	0.011	0.0276	
4320 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.5	0.428	0.028	0.0029	
4320 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0071	
4320 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.2	0.294	0.005	0.0150	
4320 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.2	0.220	0.004	0.0096	
4320 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.5	0.280	0.013	0.0460	
4320 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	0.9	0.368	0.023	0.4024	
4320 minute summer	SW-TH-IC08	1.005	TANK	1.5	0.520	0.023	0.0306	
4320 minute summer	TANK	1.006	SW-TH-MH01	4.7	0.416	0.045	0.0300	
4320 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.569	0.015	0.0131	76.7

Results for 30 year 4320 minute winter. 4560 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
4320 minute winter	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SW-TH-IC06	1500	15.473	0.008	0.1	0.0027	0.0000	OK
4320 minute winter	SW-TH-IC07	2160	15.176	0.016	0.4	0.0118	0.0000	OK
4320 minute winter	SW-TH-RE01	1920	15.695	0.008	0.1	0.0047	0.0000	OK
4320 minute winter	SW-TH-IC01	1920	15.626	0.011	0.2	0.0064	0.0000	OK
4320 minute winter	SW-TH-IC02	1920	15.475	0.010	0.2	0.0034	0.0000	OK
4320 minute winter	SW-TH-IC03	1920	15.376	0.016	0.4	0.0108	0.0000	OK
4320 minute winter	SW-TH-IC04	1920	15.231	0.021	0.7	0.0208	0.0000	OK
4320 minute winter	SW-TH-IC08	2520	15.103	0.098	1.1	0.0278	0.0000	OK
4320 minute winter	TANK	2520	15.103	0.118	2.6	10.4281	0.0000	OK
4320 minute winter	SW-TH-MH01	2580	15.105	0.160	4.5	0.1811	0.0000	OK
4320 minute winter	SW-R-MH02	2520	14.844	0.019	0.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
4320 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.206	0.006	0.0213	
4320 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	0.4	0.402	0.023	0.0025	
4320 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0071	
4320 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.2	0.294	0.005	0.0150	
4320 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.2	0.220	0.004	0.0087	
4320 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.4	0.264	0.010	0.0389	
4320 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	0.7	0.379	0.018	0.3210	
4320 minute winter	SW-TH-IC08	1.005	TANK	1.9	0.521	0.030	0.0245	
4320 minute winter	TANK	1.006	SW-TH-MH01	4.5	0.377	0.043	0.0255	
4320 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.566	0.014	0.0130	96.3

Results for 100 year +40% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 84.15%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	SW-TH-IC10	15	16.474	0.000	0.0	0.0000	0.0000	OK
960 minute summer	SW-TH-IC06	570	15.798	0.333	1.1	0.1108	0.0000	SURCHARGED
960 minute summer	SW-TH-IC07	660	15.791	0.631	3.4	0.4569	0.0000	SURCHARGED
960 minute summer	SW-TH-RE01	600	15.788	0.101	0.6	0.0569	0.0000	OK
960 minute summer	SW-TH-IC01	600	15.789	0.174	1.4	0.0967	0.0000	OK
960 minute summer	SW-TH-IC02	600	15.788	0.323	1.6	0.1080	0.0000	SURCHARGED
960 minute summer	SW-TH-IC03	600	15.788	0.428	3.2	0.2888	0.0000	SURCHARGED
960 minute summer	SW-TH-IC04	600	15.788	0.578	6.0	0.5797	0.0000	SURCHARGED
960 minute summer	SW-TH-IC08	570	15.790	0.785	10.2	0.2221	0.0000	SURCHARGED
960 minute summer	TANK	600	15.787	0.802	14.1	70.6341	0.0000	SURCHARGED
960 minute summer	SW-TH-MH01	600	15.788	0.843	7.0	0.9532	0.0000	SURCHARGED
960 minute summer	SW-R-MH02	690	14.845	0.020	1.0	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
960 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	1.0	0.258	0.056	0.5379	
960 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	3.2	0.558	0.183	0.0440	
960 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.8	0.275	0.020	0.2934	
960 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	1.4	0.486	0.033	0.8031	
960 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	1.4	0.387	0.026	0.3749	
960 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	2.9	0.413	0.074	1.0158	
960 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	5.9	0.380	0.149	1.3846	
960 minute summer	SW-TH-IC08	1.005	TANK	9.5	0.873	0.146	0.0517	
960 minute summer	TANK	1.006	SW-TH-MH01	-5.8	0.411	-0.056	0.0398	
960 minute summer	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.586	0.016	0.0140	63.6

Results for 100 year +40% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 75.59%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	SW-TH-IC10	15	16.474	0.000	0.0	0.0000	0.0000	OK
960 minute winter	SW-TH-IC06	750	15.791	0.326	0.8	0.1087	0.0000	SURCHARGED
960 minute winter	SW-TH-IC07	750	15.788	0.628	2.5	0.4549	0.0000	SURCHARGED
960 minute winter	SW-TH-RE01	555	15.792	0.105	1.3	0.0590	0.0000	OK
960 minute winter	SW-TH-IC01	570	15.795	0.180	2.6	0.1001	0.0000	OK
960 minute winter	SW-TH-IC02	570	15.799	0.334	2.4	0.1114	0.0000	SURCHARGED
960 minute winter	SW-TH-IC03	570	15.799	0.439	2.5	0.2956	0.0000	SURCHARGED
960 minute winter	SW-TH-IC04	570	15.790	0.580	4.6	0.5818	0.0000	SURCHARGED
960 minute winter	SW-TH-IC08	930	15.797	0.792	19.6	0.2242	0.0000	SURCHARGED
960 minute winter	TANK	705	15.786	0.801	7.1	70.6302	0.0000	SURCHARGED
960 minute winter	SW-TH-MH01	705	15.787	0.842	4.6	0.9527	0.0000	SURCHARGED
960 minute winter	SW-R-MH02	840	14.845	0.020	1.0	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
960 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	1.0	0.240	0.054	0.5379	
960 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	13.5	0.764	0.758	0.0440	
960 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	-1.1	0.266	-0.027	0.3045	
960 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	-2.3	0.467	-0.053	0.8153	
960 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	-2.3	0.358	-0.042	0.3749	
960 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	2.8	0.389	0.071	1.0158	
960 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	6.2	0.382	0.155	1.3846	
960 minute winter	SW-TH-IC08	1.005	TANK	7.1	0.829	0.110	0.0517	
960 minute winter	TANK	1.006	SW-TH-MH01	4.6	0.378	0.044	0.0398	
960 minute winter	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.586	0.016	0.0140	63.7

Results for 100 year +40% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 92.08%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	SW-TH-IC10	30	16.474	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	SW-TH-IC06	990	15.790	0.325	0.7	0.1081	0.0000	SURCHARGED
1440 minute summer	SW-TH-IC07	990	15.789	0.629	2.4	0.4555	0.0000	SURCHARGED
1440 minute summer	SW-TH-RE01	870	15.790	0.103	0.4	0.0577	0.0000	OK
1440 minute summer	SW-TH-IC01	1080	15.788	0.173	1.0	0.0965	0.0000	OK
1440 minute summer	SW-TH-IC02	900	15.788	0.323	1.1	0.1079	0.0000	SURCHARGED
1440 minute summer	SW-TH-IC03	900	15.788	0.428	2.3	0.2883	0.0000	SURCHARGED
1440 minute summer	SW-TH-IC04	1080	15.787	0.577	4.2	0.5788	0.0000	SURCHARGED
1440 minute summer	SW-TH-IC08	1170	15.790	0.785	6.3	0.2222	0.0000	SURCHARGED
1440 minute summer	TANK	1020	15.785	0.800	13.0	70.6182	0.0000	SURCHARGED
1440 minute summer	SW-TH-MH01	870	15.791	0.846	10.0	0.9573	0.0000	SURCHARGED
1440 minute summer	SW-R-MH02	1020	14.845	0.020	1.0	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
1440 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.7	0.232	0.039	0.5379	
1440 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	2.3	0.534	0.131	0.0440	
1440 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.4	0.237	0.010	0.2948	
1440 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	1.0	0.467	0.023	0.8019	
1440 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	1.1	0.341	0.020	0.3749	
1440 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	2.1	0.363	0.052	1.0158	
1440 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	4.0	0.379	0.100	1.3846	
1440 minute summer	SW-TH-IC08	1.005	TANK	6.3	0.704	0.097	0.0517	
1440 minute summer	TANK	1.006	SW-TH-MH01	9.9	0.340	0.094	0.0398	
1440 minute summer	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.586	0.016	0.0140	85.5

Results for 100 year +40% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 84.12%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	SW-TH-IC10	30	16.474	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	SW-TH-IC06	900	15.790	0.325	0.6	0.1084	0.0000	SURCHARGED
1440 minute winter	SW-TH-IC07	960	15.787	0.627	2.2	0.4539	0.0000	SURCHARGED
1440 minute winter	SW-TH-RE01	1230	15.790	0.103	0.5	0.0577	0.0000	OK
1440 minute winter	SW-TH-IC01	1230	15.789	0.174	1.3	0.0968	0.0000	OK
1440 minute winter	SW-TH-IC02	1200	15.788	0.323	1.5	0.1080	0.0000	SURCHARGED
1440 minute winter	SW-TH-IC03	1200	15.788	0.428	2.1	0.2887	0.0000	SURCHARGED
1440 minute winter	SW-TH-IC04	1200	15.788	0.578	3.2	0.5796	0.0000	SURCHARGED
1440 minute winter	SW-TH-IC08	1170	15.797	0.792	5.1	0.2241	0.0000	SURCHARGED
1440 minute winter	TANK	960	15.788	0.803	11.4	70.6279	0.0000	SURCHARGED
1440 minute winter	SW-TH-MH01	900	15.793	0.848	12.8	0.9595	0.0000	SURCHARGED
1440 minute winter	SW-R-MH02	960	14.845	0.020	1.0	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
1440 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	1.2	0.231	0.065	0.5379	
1440 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	2.0	0.505	0.115	0.0440	
1440 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	1.0	0.234	0.024	0.2955	
1440 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	1.4	0.417	0.032	0.8031	
1440 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	1.3	0.338	0.023	0.3749	
1440 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	1.9	0.354	0.048	1.0158	
1440 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	3.1	0.380	0.077	1.3846	
1440 minute winter	SW-TH-IC08	1.005	TANK	5.5	0.714	0.086	0.0517	
1440 minute winter	TANK	1.006	SW-TH-MH01	12.8	0.412	0.122	0.0398	
1440 minute winter	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.586	0.016	0.0140	87.4

Results for 100 year +40% CC 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.58%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	SW-TH-IC06	1500	15.787	0.322	0.5	0.1073	0.0000	SURCHARGED
2160 minute summer	SW-TH-IC07	1500	15.788	0.628	1.6	0.4547	0.0000	SURCHARGED
2160 minute summer	SW-TH-RE01	1500	15.787	0.100	0.3	0.0560	0.0000	OK
2160 minute summer	SW-TH-IC01	1500	15.787	0.172	0.7	0.0958	0.0000	OK
2160 minute summer	SW-TH-IC02	1500	15.786	0.321	0.8	0.1072	0.0000	SURCHARGED
2160 minute summer	SW-TH-IC03	1500	15.786	0.426	1.6	0.2872	0.0000	SURCHARGED
2160 minute summer	SW-TH-IC04	1500	15.786	0.576	3.0	0.5779	0.0000	SURCHARGED
2160 minute summer	SW-TH-IC08	1500	15.790	0.785	4.2	0.2222	0.0000	SURCHARGED
2160 minute summer	TANK	1500	15.785	0.800	7.8	70.5752	0.0000	SURCHARGED
2160 minute summer	SW-TH-MH01	1440	15.783	0.838	4.6	0.9479	0.0000	SURCHARGED
2160 minute summer	SW-R-MH02	1500	14.845	0.020	1.0	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
2160 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.5	0.221	0.028	0.5379	
2160 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	1.5	0.520	0.084	0.0440	
2160 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.3	0.222	0.007	0.2896	
2160 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.7	0.417	0.016	0.7994	
2160 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.8	0.338	0.014	0.3749	
2160 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	1.6	0.354	0.040	1.0158	
2160 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	2.7	0.376	0.068	1.3846	
2160 minute summer	SW-TH-IC08	1.005	TANK	4.4	0.517	0.068	0.0517	
2160 minute summer	TANK	1.006	SW-TH-MH01	4.6	0.411	0.044	0.0398	
2160 minute summer	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.586	0.016	0.0140	109.8

Results for 100 year +40% CC 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 93.25%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	SW-TH-IC06	1380	15.788	0.323	0.4	0.1077	0.0000	SURCHARGED
2160 minute winter	SW-TH-IC07	1440	15.787	0.627	1.4	0.4539	0.0000	SURCHARGED
2160 minute winter	SW-TH-RE01	1380	15.789	0.102	0.2	0.0572	0.0000	OK
2160 minute winter	SW-TH-IC01	1380	15.788	0.173	0.5	0.0965	0.0000	OK
2160 minute winter	SW-TH-IC02	1380	15.788	0.323	0.6	0.1079	0.0000	SURCHARGED
2160 minute winter	SW-TH-IC03	1380	15.788	0.428	1.2	0.2884	0.0000	SURCHARGED
2160 minute winter	SW-TH-IC04	1380	15.787	0.577	2.2	0.5788	0.0000	SURCHARGED
2160 minute winter	SW-TH-IC08	1620	15.787	0.782	3.4	0.2213	0.0000	SURCHARGED
2160 minute winter	TANK	1380	15.786	0.801	3.9	70.6319	0.0000	SURCHARGED
2160 minute winter	SW-TH-MH01	1560	15.785	0.840	6.8	0.9499	0.0000	SURCHARGED
2160 minute winter	SW-R-MH02	1440	14.845	0.020	1.0	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
2160 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.5	0.207	0.027	0.5379	
2160 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	1.5	0.472	0.086	0.0440	
2160 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.3	0.208	0.007	0.2935	
2160 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.6	0.370	0.013	0.8019	
2160 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.6	0.308	0.011	0.3749	
2160 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	1.2	0.344	0.030	1.0158	
2160 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	2.1	0.379	0.054	1.3846	
2160 minute winter	SW-TH-IC08	1.005	TANK	3.9	0.554	0.060	0.0517	
2160 minute winter	TANK	1.006	SW-TH-MH01	6.8	0.352	0.065	0.0398	
2160 minute winter	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.586	0.016	0.0140	117.6

Results for 100 year +40% CC 2880 minute summer. 3120 minute analysis at 60 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
2880 minute summer	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	SW-TH-IC06	1920	15.673	0.208	0.4	0.0692	0.0000	SURCHARGED
2880 minute summer	SW-TH-IC07	1920	15.669	0.509	1.3	0.3685	0.0000	SURCHARGED
2880 minute summer	SW-TH-RE01	1380	15.698	0.011	0.2	0.0064	0.0000	OK
2880 minute summer	SW-TH-IC01	1920	15.674	0.059	0.5	0.0328	0.0000	OK
2880 minute summer	SW-TH-IC02	1920	15.674	0.209	0.6	0.0697	0.0000	OK
2880 minute summer	SW-TH-IC03	1920	15.673	0.313	1.2	0.2111	0.0000	SURCHARGED
2880 minute summer	SW-TH-IC04	1920	15.672	0.462	2.3	0.4631	0.0000	SURCHARGED
2880 minute summer	SW-TH-IC08	1920	15.671	0.666	3.4	0.1886	0.0000	SURCHARGED
2880 minute summer	TANK	1920	15.671	0.686	7.7	60.5133	0.0000	SURCHARGED
2880 minute summer	SW-TH-MH01	1920	15.668	0.723	9.9	0.8174	0.0000	SURCHARGED
2880 minute summer	SW-R-MH02	1920	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
2880 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.4	0.232	0.023	0.5379	
2880 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	1.2	0.506	0.070	0.0440	
2880 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.2	0.209	0.005	0.0510	
2880 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.5	0.370	0.013	0.5163	
2880 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.6	0.308	0.011	0.3688	
2880 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	1.2	0.337	0.030	1.0158	
2880 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	2.1	0.370	0.053	1.3846	
2880 minute summer	SW-TH-IC08	1.005	TANK	4.0	0.521	0.061	0.0517	
2880 minute summer	TANK	1.006	SW-TH-MH01	8.1	0.407	0.078	0.0398	
2880 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.575	0.015	0.0134	130.3

Results for 100 year +40% CC 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 99.81%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	SW-TH-IC06	2100	15.774	0.309	0.4	0.1028	0.0000	SURCHARGED
2880 minute winter	SW-TH-IC07	2040	15.772	0.612	1.0	0.4432	0.0000	SURCHARGED
2880 minute winter	SW-TH-RE01	2040	15.772	0.085	0.2	0.0477	0.0000	OK
2880 minute winter	SW-TH-IC01	2040	15.771	0.156	0.4	0.0872	0.0000	OK
2880 minute winter	SW-TH-IC02	2040	15.772	0.307	0.6	0.1025	0.0000	SURCHARGED
2880 minute winter	SW-TH-IC03	2040	15.772	0.412	1.0	0.2778	0.0000	SURCHARGED
2880 minute winter	SW-TH-IC04	2040	15.772	0.562	1.8	0.5638	0.0000	SURCHARGED
2880 minute winter	SW-TH-IC08	2040	15.772	0.767	3.1	0.2171	0.0000	SURCHARGED
2880 minute winter	TANK	2040	15.772	0.787	3.4	69.4220	0.0000	SURCHARGED
2880 minute winter	SW-TH-MH01	2040	15.772	0.827	3.8	0.9349	0.0000	SURCHARGED
2880 minute winter	SW-R-MH02	2100	14.845	0.020	1.0	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
2880 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.4	0.225	0.021	0.5379	
2880 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	1.5	0.472	0.083	0.0440	
2880 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.2	0.209	0.005	0.2522	
2880 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.6	0.342	0.013	0.7652	
2880 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.7	0.305	0.013	0.3749	
2880 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	1.1	0.306	0.028	1.0158	
2880 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	1.8	0.370	0.044	1.3846	
2880 minute winter	SW-TH-IC08	1.005	TANK	3.2	0.556	0.050	0.0517	
2880 minute winter	TANK	1.006	SW-TH-MH01	3.8	0.308	0.036	0.0398	
2880 minute winter	SW-TH-MH01	1.007	SW-R-MH02	1.0	0.585	0.016	0.0140	141.8

Results for 100 year +40% CC 4320 minute summer. 4560 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
4320 minute summer	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	SW-TH-IC06	2760	15.538	0.073	0.3	0.0244	0.0000	OK
4320 minute summer	SW-TH-IC07	2760	15.538	0.378	0.9	0.2738	0.0000	SURCHARGED
4320 minute summer	SW-TH-RE01	2220	15.698	0.011	0.2	0.0064	0.0000	OK
4320 minute summer	SW-TH-IC01	2220	15.631	0.016	0.4	0.0087	0.0000	OK
4320 minute summer	SW-TH-IC02	2700	15.537	0.072	0.5	0.0242	0.0000	OK
4320 minute summer	SW-TH-IC03	2700	15.537	0.177	1.0	0.1196	0.0000	OK
4320 minute summer	SW-TH-IC04	2760	15.538	0.328	1.8	0.3287	0.0000	SURCHARGED
4320 minute summer	SW-TH-IC08	2700	15.539	0.534	3.1	0.1510	0.0000	SURCHARGED
4320 minute summer	TANK	2700	15.537	0.552	9.2	48.7086	0.0000	SURCHARGED
4320 minute summer	SW-TH-MH01	2700	15.536	0.591	2.6	0.6679	0.0000	SURCHARGED
4320 minute summer	SW-R-MH02	2100	14.844	0.019	0.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
4320 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.4	0.225	0.020	0.3996	
4320 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	1.5	0.471	0.087	0.0440	
4320 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.2	0.208	0.005	0.0113	
4320 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.4	0.342	0.009	0.1297	
4320 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.6	0.292	0.011	0.2102	
4320 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	1.0	0.306	0.025	0.9368	
4320 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	1.7	0.370	0.043	1.3846	
4320 minute summer	SW-TH-IC08	1.005	TANK	3.6	0.520	0.056	0.0517	
4320 minute summer	TANK	1.006	SW-TH-MH01	-6.6	0.366	-0.063	0.0398	
4320 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	165.1

Results for 100 year +40% CC 4320 minute winter. 4560 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
4320 minute winter	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	SW-TH-IC06	2940	15.554	0.089	0.2	0.0295	0.0000	OK
4320 minute winter	SW-TH-IC07	2940	15.554	0.394	0.7	0.2854	0.0000	SURCHARGED
4320 minute winter	SW-TH-RE01	1500	15.695	0.008	0.1	0.0047	0.0000	OK
4320 minute winter	SW-TH-IC01	2160	15.629	0.014	0.3	0.0077	0.0000	OK
4320 minute winter	SW-TH-IC02	2940	15.553	0.088	0.3	0.0295	0.0000	OK
4320 minute winter	SW-TH-IC03	2940	15.553	0.193	0.6	0.1302	0.0000	OK
4320 minute winter	SW-TH-IC04	2940	15.553	0.343	1.4	0.3440	0.0000	SURCHARGED
4320 minute winter	SW-TH-IC08	2940	15.555	0.550	2.3	0.1557	0.0000	SURCHARGED
4320 minute winter	TANK	2940	15.553	0.568	7.2	50.1053	0.0000	SURCHARGED
4320 minute winter	SW-TH-MH01	3000	15.552	0.607	9.7	0.6868	0.0000	SURCHARGED
4320 minute winter	SW-R-MH02	1980	14.844	0.019	0.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
4320 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.2	0.218	0.012	0.4346	
4320 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	1.2	0.452	0.066	0.0440	
4320 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.172	0.002	0.0085	
4320 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.3	0.332	0.007	0.1674	
4320 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.3	0.251	0.005	0.2391	
4320 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.9	0.282	0.023	0.9714	
4320 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	1.6	0.376	0.041	1.3846	
4320 minute winter	SW-TH-IC08	1.005	TANK	2.4	0.542	0.038	0.0517	
4320 minute winter	TANK	1.006	SW-TH-MH01	9.7	0.423	0.093	0.0398	
4320 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	185.7

Results for 1 year Critical Storm Duration. Lowest 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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SW-TH-IC06	2940	15.473	0.008	0.1	0.0027	0.0000	OK
5760 minute summer	SW-TH-IC07	2940	15.172	0.012	0.2	0.0084	0.0000	OK
5760 minute summer	SW-TH-RE01	60	15.687	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SW-TH-IC01	60	15.615	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SW-TH-IC02	60	15.465	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SW-TH-IC03	2580	15.368	0.008	0.1	0.0057	0.0000	OK
5760 minute summer	SW-TH-IC04	2940	15.224	0.014	0.3	0.0141	0.0000	OK
5760 minute summer	SW-TH-IC08	2880	15.020	0.015	0.5	0.0043	0.0000	OK
5760 minute summer	TANK	2940	14.999	0.014	0.5	1.2052	0.0000	OK
5760 minute summer	SW-TH-MH01	2940	15.003	0.058	0.6	0.0656	0.0000	OK
5760 minute summer	SW-R-MH02	2940	14.839	0.014	0.5	0.0000	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)
5760 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
5760 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.206	0.006	0.0152	
5760 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.2	0.328	0.011	0.0015	
5760 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.0	0.000	0.000	0.0000	
5760 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.0	0.000	0.000	0.0000	
5760 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.0	0.000	0.000	0.0022	
5760 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.1	0.165	0.003	0.0189	
5760 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	0.3	0.280	0.008	0.0374	
5760 minute summer	SW-TH-IC08	1.005	TANK	0.5	0.542	0.008	0.0014	
5760 minute summer	TANK	1.006	SW-TH-MH01	0.6	0.173	0.006	0.0045	
5760 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.5	0.457	0.007	0.0081	22.3

Results for 30 year Critical Storm Duration. Lowest 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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SW-TH-IC06	2400	15.473	0.008	0.1	0.0027	0.0000	OK
5760 minute summer	SW-TH-IC07	2880	15.176	0.016	0.4	0.0118	0.0000	OK
5760 minute summer	SW-TH-RE01	2760	15.695	0.008	0.1	0.0047	0.0000	OK
5760 minute summer	SW-TH-IC01	2760	15.626	0.011	0.2	0.0064	0.0000	OK
5760 minute summer	SW-TH-IC02	2760	15.475	0.010	0.2	0.0034	0.0000	OK
5760 minute summer	SW-TH-IC03	2760	15.376	0.016	0.4	0.0108	0.0000	OK
5760 minute summer	SW-TH-IC04	2940	15.232	0.022	0.8	0.0221	0.0000	OK
5760 minute summer	SW-TH-IC08	3120	15.090	0.085	1.2	0.0242	0.0000	OK
5760 minute summer	TANK	3120	15.090	0.105	3.4	9.3057	0.0000	OK
5760 minute summer	SW-TH-MH01	3120	15.091	0.146	4.6	0.1646	0.0000	OK
5760 minute summer	SW-R-MH02	3180	14.844	0.019	0.9	0.0000	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)
5760 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
5760 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.206	0.006	0.0213	
5760 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.4	0.402	0.023	0.0025	
5760 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0071	
5760 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.2	0.294	0.005	0.0150	
5760 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.2	0.220	0.004	0.0087	
5760 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.4	0.264	0.010	0.0412	
5760 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	0.8	0.376	0.020	0.2722	
5760 minute summer	SW-TH-IC08	1.005	TANK	2.5	0.521	0.039	0.0209	
5760 minute summer	TANK	1.006	SW-TH-MH01	4.6	0.384	0.044	0.0227	
5760 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.563	0.014	0.0128	74.7

Results for 100 year +40% CC Critical Storm Duration. Lowest 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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SW-TH-IC06	2700	15.476	0.011	0.2	0.0038	0.0000	OK
5760 minute summer	SW-TH-IC07	3540	15.422	0.262	0.7	0.1899	0.0000	SURCHARGED
5760 minute summer	SW-TH-RE01	2400	15.695	0.008	0.1	0.0047	0.0000	OK
5760 minute summer	SW-TH-IC01	2880	15.629	0.014	0.3	0.0077	0.0000	OK
5760 minute summer	SW-TH-IC02	2880	15.477	0.012	0.3	0.0040	0.0000	OK
5760 minute summer	SW-TH-IC03	3540	15.422	0.062	0.7	0.0421	0.0000	OK
5760 minute summer	SW-TH-IC04	3480	15.422	0.212	1.3	0.2124	0.0000	OK
5760 minute summer	SW-TH-IC08	3600	15.424	0.419	2.3	0.1187	0.0000	SURCHARGED
5760 minute summer	TANK	3540	15.423	0.438	11.3	38.6542	0.0000	SURCHARGED
5760 minute summer	SW-TH-MH01	3540	15.423	0.478	10.4	0.5406	0.0000	SURCHARGED
5760 minute summer	SW-R-MH02	4380	14.844	0.019	0.9	0.0000	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)
5760 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
5760 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.2	0.225	0.011	0.2781	
5760 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	1.5	0.452	0.084	0.0440	
5760 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0085	
5760 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.3	0.332	0.007	0.0200	
5760 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.3	0.251	0.005	0.0444	
5760 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.9	0.306	0.022	0.6089	
5760 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	1.3	0.376	0.033	1.3675	
5760 minute summer	SW-TH-IC08	1.005	TANK	3.4	0.542	0.053	0.0517	
5760 minute summer	TANK	1.006	SW-TH-MH01	10.3	0.391	0.098	0.0398	
5760 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	167.6

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SW-TH-IC06	2940	15.473	0.008	0.1	0.0027	0.0000	OK
5760 minute summer	SW-TH-IC07	2940	15.172	0.012	0.2	0.0084	0.0000	OK
5760 minute summer	SW-TH-RE01	60	15.687	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SW-TH-IC01	60	15.615	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SW-TH-IC02	60	15.465	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SW-TH-IC03	2580	15.368	0.008	0.1	0.0057	0.0000	OK
5760 minute summer	SW-TH-IC04	2940	15.224	0.014	0.3	0.0141	0.0000	OK
5760 minute summer	SW-TH-IC08	2880	15.020	0.015	0.5	0.0043	0.0000	OK
5760 minute summer	TANK	2940	14.999	0.014	0.5	1.2052	0.0000	OK
5760 minute summer	SW-TH-MH01	2940	15.003	0.058	0.6	0.0656	0.0000	OK
5760 minute summer	SW-R-MH02	2940	14.839	0.014	0.5	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
5760 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.206	0.006	0.0152	
5760 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.2	0.328	0.011	0.0015	
5760 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.0	0.000	0.000	0.0000	
5760 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.0	0.000	0.000	0.0000	
5760 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.0	0.000	0.000	0.0022	
5760 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.1	0.165	0.003	0.0189	
5760 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	0.3	0.280	0.008	0.0374	
5760 minute summer	SW-TH-IC08	1.005	TANK	0.5	0.542	0.008	0.0014	
5760 minute summer	TANK	1.006	SW-TH-MH01	0.6	0.173	0.006	0.0045	
5760 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.5	0.457	0.007	0.0081	22.3

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW-TH-IC06	60	15.465	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW-TH-IC07	2220	15.168	0.008	0.1	0.0060	0.0000	OK
5760 minute winter	SW-TH-RE01	60	15.687	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW-TH-IC01	60	15.615	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW-TH-IC02	60	15.465	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW-TH-IC03	2520	15.368	0.008	0.1	0.0057	0.0000	OK
5760 minute winter	SW-TH-IC04	2520	15.222	0.012	0.2	0.0116	0.0000	OK
5760 minute winter	SW-TH-IC08	2520	15.017	0.012	0.3	0.0034	0.0000	OK
5760 minute winter	TANK	2760	14.994	0.009	0.3	0.7968	0.0000	OK
5760 minute winter	SW-TH-MH01	2760	14.988	0.043	0.3	0.0482	0.0000	OK
5760 minute winter	SW-R-MH02	2760	14.836	0.011	0.3	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
5760 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.0	0.000	0.000	0.0058	
5760 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	0.1	0.267	0.006	0.0009	
5760 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.0	0.000	0.000	0.0000	
5760 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.0	0.000	0.000	0.0000	
5760 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.0	0.000	0.000	0.0022	
5760 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.1	0.165	0.003	0.0157	
5760 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	0.2	0.256	0.005	0.0272	
5760 minute winter	SW-TH-IC08	1.005	TANK	0.3	0.494	0.005	0.0009	
5760 minute winter	TANK	1.006	SW-TH-MH01	0.3	0.120	0.003	0.0029	
5760 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.3	0.406	0.005	0.0060	26.6

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	SW-TH-IC06	60	15.465	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	SW-TH-IC07	3060	15.168	0.008	0.1	0.0060	0.0000	OK
7200 minute summer	SW-TH-RE01	60	15.687	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	SW-TH-IC01	60	15.615	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	SW-TH-IC02	60	15.465	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	SW-TH-IC03	3360	15.368	0.008	0.1	0.0057	0.0000	OK
7200 minute summer	SW-TH-IC04	3360	15.222	0.012	0.2	0.0116	0.0000	OK
7200 minute summer	SW-TH-IC08	3360	15.017	0.012	0.3	0.0034	0.0000	OK
7200 minute summer	TANK	3600	14.994	0.009	0.3	0.7968	0.0000	OK
7200 minute summer	SW-TH-MH01	3600	14.988	0.043	0.3	0.0482	0.0000	OK
7200 minute summer	SW-R-MH02	3600	14.836	0.011	0.3	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
7200 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.0	0.000	0.000	0.0058	
7200 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.1	0.267	0.006	0.0009	
7200 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.0	0.000	0.000	0.0000	
7200 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.0	0.000	0.000	0.0000	
7200 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.0	0.000	0.000	0.0022	
7200 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.1	0.165	0.003	0.0157	
7200 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	0.2	0.256	0.005	0.0272	
7200 minute summer	SW-TH-IC08	1.005	TANK	0.3	0.494	0.005	0.0009	
7200 minute summer	TANK	1.006	SW-TH-MH01	0.3	0.120	0.003	0.0029	
7200 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.3	0.406	0.005	0.0060	21.6

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW-TH-IC06	60	15.465	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW-TH-IC07	2880	15.168	0.008	0.1	0.0060	0.0000	OK
7200 minute winter	SW-TH-RE01	60	15.687	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW-TH-IC01	60	15.615	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW-TH-IC02	60	15.465	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW-TH-IC03	3360	15.368	0.008	0.1	0.0057	0.0000	OK
7200 minute winter	SW-TH-IC04	3360	15.222	0.012	0.2	0.0116	0.0000	OK
7200 minute winter	SW-TH-IC08	3360	15.017	0.012	0.3	0.0034	0.0000	OK
7200 minute winter	TANK	3600	14.994	0.009	0.3	0.7968	0.0000	OK
7200 minute winter	SW-TH-MH01	3600	14.988	0.043	0.3	0.0482	0.0000	OK
7200 minute winter	SW-R-MH02	3600	14.836	0.011	0.3	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
7200 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.0	0.000	0.000	0.0058	
7200 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	0.1	0.267	0.006	0.0009	
7200 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.0	0.000	0.000	0.0000	
7200 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.0	0.000	0.000	0.0000	
7200 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.0	0.000	0.000	0.0022	
7200 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.1	0.165	0.003	0.0157	
7200 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	0.2	0.256	0.005	0.0272	
7200 minute winter	SW-TH-IC08	1.005	TANK	0.3	0.494	0.005	0.0009	
7200 minute winter	TANK	1.006	SW-TH-MH01	0.3	0.120	0.003	0.0029	
7200 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.3	0.406	0.005	0.0060	27.3

Results for 1 year 8640 minute summer. 8880 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
8640 minute summer	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SW-TH-IC06	60	15.465	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SW-TH-IC07	3780	15.168	0.008	0.1	0.0060	0.0000	OK
8640 minute summer	SW-TH-RE01	60	15.687	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SW-TH-IC01	60	15.615	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SW-TH-IC02	60	15.465	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SW-TH-IC03	4080	15.368	0.008	0.1	0.0057	0.0000	OK
8640 minute summer	SW-TH-IC04	4080	15.222	0.012	0.2	0.0116	0.0000	OK
8640 minute summer	SW-TH-IC08	4080	15.017	0.012	0.3	0.0034	0.0000	OK
8640 minute summer	TANK	4320	14.994	0.009	0.3	0.7968	0.0000	OK
8640 minute summer	SW-TH-MH01	4320	14.988	0.043	0.3	0.0482	0.0000	OK
8640 minute summer	SW-R-MH02	4320	14.836	0.011	0.3	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
8640 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.0	0.000	0.000	0.0058	
8640 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.1	0.267	0.006	0.0009	
8640 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.0	0.000	0.000	0.0000	
8640 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.0	0.000	0.000	0.0000	
8640 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.0	0.000	0.000	0.0022	
8640 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.1	0.165	0.003	0.0157	
8640 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	0.2	0.256	0.005	0.0272	
8640 minute summer	SW-TH-IC08	1.005	TANK	0.3	0.494	0.005	0.0009	
8640 minute summer	TANK	1.006	SW-TH-MH01	0.3	0.120	0.003	0.0029	
8640 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.3	0.406	0.005	0.0060	22.3

Results for 1 year 8640 minute winter. 8880 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
8640 minute winter	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW-TH-IC06	60	15.465	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW-TH-IC07	3540	15.168	0.008	0.1	0.0060	0.0000	OK
8640 minute winter	SW-TH-RE01	60	15.687	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW-TH-IC01	60	15.615	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW-TH-IC02	60	15.465	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW-TH-IC03	4380	15.368	0.008	0.1	0.0057	0.0000	OK
8640 minute winter	SW-TH-IC04	4380	15.222	0.012	0.2	0.0116	0.0000	OK
8640 minute winter	SW-TH-IC08	4380	15.017	0.012	0.3	0.0034	0.0000	OK
8640 minute winter	TANK	4380	14.994	0.009	0.3	0.7939	0.0000	OK
8640 minute winter	SW-TH-MH01	4380	14.987	0.042	0.3	0.0479	0.0000	OK
8640 minute winter	SW-R-MH02	4380	14.836	0.011	0.3	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
8640 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.0	0.000	0.000	0.0058	
8640 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	0.1	0.267	0.006	0.0009	
8640 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.0	0.000	0.000	0.0000	
8640 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.0	0.000	0.000	0.0000	
8640 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.0	0.000	0.000	0.0022	
8640 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.1	0.165	0.003	0.0157	
8640 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	0.2	0.256	0.005	0.0272	
8640 minute winter	SW-TH-IC08	1.005	TANK	0.3	0.494	0.005	0.0009	
8640 minute winter	TANK	1.006	SW-TH-MH01	0.3	0.120	0.003	0.0028	
8640 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.3	0.405	0.005	0.0060	25.9

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SW-TH-IC06	60	15.465	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SW-TH-IC07	4440	15.168	0.008	0.1	0.0060	0.0000	OK
10080 minute summer	SW-TH-RE01	60	15.687	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SW-TH-IC01	60	15.615	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SW-TH-IC02	60	15.465	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SW-TH-IC03	4860	15.368	0.008	0.1	0.0057	0.0000	OK
10080 minute summer	SW-TH-IC04	4860	15.222	0.012	0.2	0.0116	0.0000	OK
10080 minute summer	SW-TH-IC08	4860	15.017	0.012	0.3	0.0034	0.0000	OK
10080 minute summer	TANK	5100	14.994	0.009	0.3	0.7968	0.0000	OK
10080 minute summer	SW-TH-MH01	5100	14.988	0.043	0.3	0.0482	0.0000	OK
10080 minute summer	SW-R-MH02	5100	14.836	0.011	0.3	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
10080 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.0	0.000	0.000	0.0058	
10080 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.1	0.267	0.006	0.0009	
10080 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.0	0.000	0.000	0.0000	
10080 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.0	0.000	0.000	0.0000	
10080 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.0	0.000	0.000	0.0022	
10080 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.1	0.165	0.003	0.0157	
10080 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	0.2	0.256	0.005	0.0272	
10080 minute summer	SW-TH-IC08	1.005	TANK	0.3	0.494	0.005	0.0009	
10080 minute summer	TANK	1.006	SW-TH-MH01	0.3	0.120	0.003	0.0029	
10080 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.3	0.406	0.005	0.0060	23.0

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW-TH-IC06	60	15.465	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW-TH-IC07	4260	15.168	0.008	0.1	0.0060	0.0000	OK
10080 minute winter	SW-TH-RE01	60	15.687	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW-TH-IC01	60	15.615	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW-TH-IC02	60	15.465	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW-TH-IC03	60	15.360	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW-TH-IC04	6060	15.219	0.009	0.1	0.0088	0.0000	OK
10080 minute winter	SW-TH-IC08	4200	15.015	0.010	0.2	0.0028	0.0000	OK
10080 minute winter	TANK	4620	14.993	0.008	0.2	0.6629	0.0000	OK
10080 minute winter	SW-TH-MH01	4560	14.979	0.034	0.2	0.0382	0.0000	OK
10080 minute winter	SW-R-MH02	4620	14.834	0.009	0.2	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
10080 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.0	0.000	0.000	0.0058	
10080 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	0.1	0.267	0.006	0.0009	
10080 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.0	0.000	0.000	0.0000	
10080 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.0	0.000	0.000	0.0000	
10080 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.0	0.000	0.000	0.0000	
10080 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.0	0.000	0.000	0.0063	
10080 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	0.1	0.236	0.003	0.0185	
10080 minute winter	SW-TH-IC08	1.005	TANK	0.2	0.494	0.003	0.0006	
10080 minute winter	TANK	1.006	SW-TH-MH01	0.2	0.111	0.002	0.0021	
10080 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.2	0.363	0.003	0.0045	25.9

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SW-TH-IC06	2400	15.473	0.008	0.1	0.0027	0.0000	OK
5760 minute summer	SW-TH-IC07	2880	15.176	0.016	0.4	0.0118	0.0000	OK
5760 minute summer	SW-TH-RE01	2760	15.695	0.008	0.1	0.0047	0.0000	OK
5760 minute summer	SW-TH-IC01	2760	15.626	0.011	0.2	0.0064	0.0000	OK
5760 minute summer	SW-TH-IC02	2760	15.475	0.010	0.2	0.0034	0.0000	OK
5760 minute summer	SW-TH-IC03	2760	15.376	0.016	0.4	0.0108	0.0000	OK
5760 minute summer	SW-TH-IC04	2940	15.232	0.022	0.8	0.0221	0.0000	OK
5760 minute summer	SW-TH-IC08	3120	15.090	0.085	1.2	0.0242	0.0000	OK
5760 minute summer	TANK	3120	15.090	0.105	3.4	9.3057	0.0000	OK
5760 minute summer	SW-TH-MH01	3120	15.091	0.146	4.6	0.1646	0.0000	OK
5760 minute summer	SW-R-MH02	3180	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
5760 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.206	0.006	0.0213	
5760 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.4	0.402	0.023	0.0025	
5760 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0071	
5760 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.2	0.294	0.005	0.0150	
5760 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.2	0.220	0.004	0.0087	
5760 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.4	0.264	0.010	0.0412	
5760 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	0.8	0.376	0.020	0.2722	
5760 minute summer	SW-TH-IC08	1.005	TANK	2.5	0.521	0.039	0.0209	
5760 minute summer	TANK	1.006	SW-TH-MH01	4.6	0.384	0.044	0.0227	
5760 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.563	0.014	0.0128	74.7

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW-TH-IC06	2160	15.473	0.008	0.1	0.0027	0.0000	OK
5760 minute winter	SW-TH-IC07	2460	15.174	0.014	0.3	0.0102	0.0000	OK
5760 minute winter	SW-TH-RE01	2880	15.695	0.008	0.1	0.0047	0.0000	OK
5760 minute winter	SW-TH-IC01	2880	15.626	0.011	0.2	0.0064	0.0000	OK
5760 minute winter	SW-TH-IC02	2880	15.475	0.010	0.2	0.0034	0.0000	OK
5760 minute winter	SW-TH-IC03	2880	15.374	0.014	0.3	0.0094	0.0000	OK
5760 minute winter	SW-TH-IC04	2880	15.229	0.019	0.6	0.0193	0.0000	OK
5760 minute winter	SW-TH-IC08	3000	15.041	0.036	0.9	0.0102	0.0000	OK
5760 minute winter	TANK	3060	15.041	0.056	3.8	4.9261	0.0000	OK
5760 minute winter	SW-TH-MH01	2880	15.047	0.102	4.1	0.1155	0.0000	OK
5760 minute winter	SW-R-MH02	3000	14.843	0.018	0.8	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
5760 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.206	0.006	0.0184	
5760 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	0.3	0.370	0.017	0.0020	
5760 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0071	
5760 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.2	0.294	0.005	0.0150	
5760 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.2	0.247	0.004	0.0076	
5760 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.3	0.229	0.008	0.0337	
5760 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	0.6	0.362	0.015	0.0994	
5760 minute winter	SW-TH-IC08	1.005	TANK	2.0	0.521	0.032	0.0076	
5760 minute winter	TANK	1.006	SW-TH-MH01	4.1	0.416	0.039	0.0118	
5760 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.8	0.547	0.013	0.0119	87.3

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	SW-TH-IC06	3060	15.473	0.008	0.1	0.0027	0.0000	OK
7200 minute summer	SW-TH-IC07	3300	15.174	0.014	0.3	0.0102	0.0000	OK
7200 minute summer	SW-TH-RE01	3540	15.695	0.008	0.1	0.0047	0.0000	OK
7200 minute summer	SW-TH-IC01	3540	15.626	0.011	0.2	0.0064	0.0000	OK
7200 minute summer	SW-TH-IC02	3540	15.475	0.010	0.2	0.0034	0.0000	OK
7200 minute summer	SW-TH-IC03	3540	15.376	0.016	0.4	0.0108	0.0000	OK
7200 minute summer	SW-TH-IC04	3540	15.231	0.021	0.7	0.0208	0.0000	OK
7200 minute summer	SW-TH-IC08	3840	15.064	0.059	1.8	0.0166	0.0000	OK
7200 minute summer	TANK	3840	15.062	0.077	3.8	6.8302	0.0000	OK
7200 minute summer	SW-TH-MH01	3720	15.065	0.120	4.7	0.1354	0.0000	OK
7200 minute summer	SW-R-MH02	3840	14.843	0.018	0.8	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
7200 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.206	0.006	0.0184	
7200 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.3	0.370	0.017	0.0020	
7200 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0071	
7200 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.2	0.294	0.005	0.0150	
7200 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.2	0.220	0.004	0.0087	
7200 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.4	0.264	0.010	0.0389	
7200 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	0.7	0.379	0.018	0.1647	
7200 minute summer	SW-TH-IC08	1.005	TANK	1.6	0.520	0.024	0.0132	
7200 minute summer	TANK	1.006	SW-TH-MH01	4.7	0.419	0.045	0.0167	
7200 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.8	0.555	0.013	0.0124	74.7

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW-TH-IC06	2880	15.473	0.008	0.1	0.0027	0.0000	OK
7200 minute winter	SW-TH-IC07	3300	15.174	0.014	0.3	0.0102	0.0000	OK
7200 minute winter	SW-TH-RE01	60	15.687	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW-TH-IC01	3300	15.623	0.008	0.1	0.0047	0.0000	OK
7200 minute winter	SW-TH-IC02	3300	15.472	0.007	0.1	0.0024	0.0000	OK
7200 minute winter	SW-TH-IC03	3300	15.372	0.012	0.2	0.0078	0.0000	OK
7200 minute winter	SW-TH-IC04	3300	15.226	0.016	0.4	0.0160	0.0000	OK
7200 minute winter	SW-TH-IC08	3300	15.023	0.018	0.7	0.0052	0.0000	OK
7200 minute winter	TANK	4020	15.022	0.037	2.6	3.2798	0.0000	OK
7200 minute winter	SW-TH-MH01	3960	15.038	0.093	3.3	0.1052	0.0000	OK
7200 minute winter	SW-R-MH02	3900	14.842	0.017	0.7	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
7200 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.206	0.006	0.0184	
7200 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	0.3	0.370	0.017	0.0020	
7200 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.0	0.000	0.000	0.0027	
7200 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.1	0.240	0.002	0.0092	
7200 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.1	0.181	0.002	0.0054	
7200 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.2	0.202	0.005	0.0255	
7200 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	0.4	0.315	0.010	0.0476	
7200 minute winter	SW-TH-IC08	1.005	TANK	0.7	0.520	0.011	0.0036	
7200 minute winter	TANK	1.006	SW-TH-MH01	3.3	0.412	0.032	0.0099	
7200 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.7	0.527	0.011	0.0112	88.7

Results for 30 year 8640 minute summer. 8880 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
8640 minute summer	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SW-TH-IC06	3840	15.473	0.008	0.1	0.0027	0.0000	OK
8640 minute summer	SW-TH-IC07	4080	15.174	0.014	0.3	0.0102	0.0000	OK
8640 minute summer	SW-TH-RE01	4320	15.695	0.008	0.1	0.0047	0.0000	OK
8640 minute summer	SW-TH-IC01	4320	15.626	0.011	0.2	0.0064	0.0000	OK
8640 minute summer	SW-TH-IC02	4320	15.475	0.010	0.2	0.0034	0.0000	OK
8640 minute summer	SW-TH-IC03	4380	15.376	0.016	0.4	0.0108	0.0000	OK
8640 minute summer	SW-TH-IC04	4380	15.231	0.021	0.7	0.0208	0.0000	OK
8640 minute summer	SW-TH-IC08	4440	15.047	0.042	1.4	0.0119	0.0000	OK
8640 minute summer	TANK	4440	15.045	0.060	4.4	5.2850	0.0000	OK
8640 minute summer	SW-TH-MH01	4500	15.054	0.109	4.1	0.1238	0.0000	OK
8640 minute summer	SW-R-MH02	4440	14.843	0.018	0.8	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
8640 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.206	0.006	0.0184	
8640 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.3	0.370	0.017	0.0020	
8640 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0071	
8640 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.2	0.294	0.005	0.0150	
8640 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.2	0.247	0.004	0.0087	
8640 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.4	0.264	0.010	0.0389	
8640 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	0.7	0.362	0.018	0.1172	
8640 minute summer	SW-TH-IC08	1.005	TANK	2.1	0.542	0.032	0.0088	
8640 minute summer	TANK	1.006	SW-TH-MH01	4.1	0.413	0.039	0.0138	
8640 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.8	0.549	0.013	0.0121	73.2

Results for 30 year 8640 minute winter. 8880 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
8640 minute winter	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW-TH-IC06	3600	15.473	0.008	0.1	0.0027	0.0000	OK
8640 minute winter	SW-TH-IC07	4320	15.174	0.014	0.3	0.0102	0.0000	OK
8640 minute winter	SW-TH-RE01	60	15.687	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW-TH-IC01	4320	15.623	0.008	0.1	0.0047	0.0000	OK
8640 minute winter	SW-TH-IC02	4320	15.472	0.007	0.1	0.0024	0.0000	OK
8640 minute winter	SW-TH-IC03	4320	15.372	0.012	0.2	0.0078	0.0000	OK
8640 minute winter	SW-TH-IC04	4320	15.226	0.016	0.4	0.0160	0.0000	OK
8640 minute winter	SW-TH-IC08	4320	15.023	0.018	0.7	0.0052	0.0000	OK
8640 minute winter	TANK	4440	15.016	0.031	1.9	2.7604	0.0000	OK
8640 minute winter	SW-TH-MH01	4440	15.031	0.086	2.1	0.0975	0.0000	OK
8640 minute winter	SW-R-MH02	4500	14.841	0.016	0.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
8640 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.206	0.006	0.0184	
8640 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	0.3	0.370	0.017	0.0020	
8640 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.0	0.000	0.000	0.0027	
8640 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.1	0.240	0.002	0.0092	
8640 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.1	0.181	0.002	0.0054	
8640 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.2	0.202	0.005	0.0255	
8640 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	0.4	0.313	0.010	0.0476	
8640 minute winter	SW-TH-IC08	1.005	TANK	0.7	0.517	0.011	0.0030	
8640 minute winter	TANK	1.006	SW-TH-MH01	2.1	0.359	0.020	0.0087	
8640 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.7	0.518	0.011	0.0105	87.2

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SW-TH-IC06	4560	15.473	0.008	0.1	0.0027	0.0000	OK
10080 minute summer	SW-TH-IC07	4860	15.174	0.014	0.3	0.0102	0.0000	OK
10080 minute summer	SW-TH-RE01	60	15.687	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SW-TH-IC01	4860	15.623	0.008	0.1	0.0047	0.0000	OK
10080 minute summer	SW-TH-IC02	4860	15.472	0.007	0.1	0.0024	0.0000	OK
10080 minute summer	SW-TH-IC03	4860	15.372	0.012	0.2	0.0078	0.0000	OK
10080 minute summer	SW-TH-IC04	4860	15.226	0.016	0.4	0.0160	0.0000	OK
10080 minute summer	SW-TH-IC08	4860	15.023	0.018	0.7	0.0052	0.0000	OK
10080 minute summer	TANK	5340	15.022	0.037	2.5	3.2387	0.0000	OK
10080 minute summer	SW-TH-MH01	5280	15.033	0.088	3.3	0.0998	0.0000	OK
10080 minute summer	SW-R-MH02	5220	14.842	0.017	0.7	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
10080 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.206	0.006	0.0184	
10080 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.3	0.370	0.017	0.0020	
10080 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.0	0.000	0.000	0.0027	
10080 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.1	0.240	0.002	0.0092	
10080 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.1	0.181	0.002	0.0054	
10080 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.2	0.202	0.005	0.0255	
10080 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	0.4	0.315	0.010	0.0477	
10080 minute summer	SW-TH-IC08	1.005	TANK	0.7	0.542	0.011	0.0036	
10080 minute summer	TANK	1.006	SW-TH-MH01	3.3	0.412	0.031	0.0092	
10080 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.7	0.528	0.011	0.0111	73.0

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW-TH-IC06	4440	15.473	0.008	0.1	0.0027	0.0000	OK
10080 minute winter	SW-TH-IC07	4440	15.172	0.012	0.2	0.0084	0.0000	OK
10080 minute winter	SW-TH-RE01	60	15.687	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW-TH-IC01	60	15.615	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW-TH-IC02	60	15.465	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	SW-TH-IC03	3600	15.368	0.008	0.1	0.0057	0.0000	OK
10080 minute winter	SW-TH-IC04	4560	15.224	0.014	0.3	0.0141	0.0000	OK
10080 minute winter	SW-TH-IC08	5580	15.020	0.015	0.5	0.0043	0.0000	OK
10080 minute winter	TANK	5340	15.002	0.017	1.1	1.5373	0.0000	OK
10080 minute winter	SW-TH-MH01	4920	15.011	0.066	1.2	0.0741	0.0000	OK
10080 minute winter	SW-R-MH02	5460	14.840	0.015	0.5	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
10080 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.206	0.006	0.0152	
10080 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	0.2	0.328	0.011	0.0015	
10080 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.0	0.000	0.000	0.0000	
10080 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.0	0.000	0.000	0.0000	
10080 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.0	0.000	0.000	0.0022	
10080 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.1	0.165	0.003	0.0189	
10080 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	0.3	0.280	0.008	0.0375	
10080 minute winter	SW-TH-IC08	1.005	TANK	0.5	0.517	0.008	0.0017	
10080 minute winter	TANK	1.006	SW-TH-MH01	1.2	0.277	0.012	0.0055	
10080 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.5	0.481	0.008	0.0090	85.4

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	SW-TH-IC06	2700	15.476	0.011	0.2	0.0038	0.0000	OK
5760 minute summer	SW-TH-IC07	3540	15.422	0.262	0.7	0.1899	0.0000	SURCHARGED
5760 minute summer	SW-TH-RE01	2400	15.695	0.008	0.1	0.0047	0.0000	OK
5760 minute summer	SW-TH-IC01	2880	15.629	0.014	0.3	0.0077	0.0000	OK
5760 minute summer	SW-TH-IC02	2880	15.477	0.012	0.3	0.0040	0.0000	OK
5760 minute summer	SW-TH-IC03	3540	15.422	0.062	0.7	0.0421	0.0000	OK
5760 minute summer	SW-TH-IC04	3480	15.422	0.212	1.3	0.2124	0.0000	OK
5760 minute summer	SW-TH-IC08	3600	15.424	0.419	2.3	0.1187	0.0000	SURCHARGED
5760 minute summer	TANK	3540	15.423	0.438	11.3	38.6542	0.0000	SURCHARGED
5760 minute summer	SW-TH-MH01	3540	15.423	0.478	10.4	0.5406	0.0000	SURCHARGED
5760 minute summer	SW-R-MH02	4380	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
5760 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.2	0.225	0.011	0.2781	
5760 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	1.5	0.452	0.084	0.0440	
5760 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0085	
5760 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.3	0.332	0.007	0.0200	
5760 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.3	0.251	0.005	0.0444	
5760 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.9	0.306	0.022	0.6089	
5760 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	1.3	0.376	0.033	1.3675	
5760 minute summer	SW-TH-IC08	1.005	TANK	3.4	0.542	0.053	0.0517	
5760 minute summer	TANK	1.006	SW-TH-MH01	10.3	0.391	0.098	0.0398	
5760 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	167.6

Results for 100 year +40% 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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	SW-TH-IC06	2760	15.476	0.011	0.2	0.0038	0.0000	OK
5760 minute winter	SW-TH-IC07	3780	15.375	0.215	0.6	0.1557	0.0000	SURCHARGED
5760 minute winter	SW-TH-RE01	2160	15.695	0.008	0.1	0.0047	0.0000	OK
5760 minute winter	SW-TH-IC01	2160	15.626	0.011	0.2	0.0064	0.0000	OK
5760 minute winter	SW-TH-IC02	2160	15.475	0.010	0.2	0.0034	0.0000	OK
5760 minute winter	SW-TH-IC03	2820	15.378	0.018	0.5	0.0119	0.0000	OK
5760 minute winter	SW-TH-IC04	3720	15.375	0.165	1.0	0.1650	0.0000	OK
5760 minute winter	SW-TH-IC08	3720	15.375	0.370	1.9	0.1047	0.0000	SURCHARGED
5760 minute winter	TANK	3720	15.374	0.389	8.3	34.3556	0.0000	SURCHARGED
5760 minute winter	SW-TH-MH01	3840	15.377	0.432	3.6	0.4885	0.0000	SURCHARGED
5760 minute winter	SW-R-MH02	2880	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
5760 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.2	0.225	0.011	0.2746	
5760 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	0.9	0.451	0.048	0.0440	
5760 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0071	
5760 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.2	0.294	0.005	0.0150	
5760 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.2	0.246	0.004	0.0096	
5760 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.5	0.280	0.013	0.4108	
5760 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	1.2	0.362	0.029	1.2338	
5760 minute winter	SW-TH-IC08	1.005	TANK	1.9	0.542	0.029	0.0517	
5760 minute winter	TANK	1.006	SW-TH-MH01	-4.2	0.423	-0.040	0.0398	
5760 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	192.1

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	SW-TH-IC06	3480	15.476	0.011	0.2	0.0038	0.0000	OK
7200 minute summer	SW-TH-IC07	4200	15.300	0.140	0.7	0.1011	0.0000	OK
7200 minute summer	SW-TH-RE01	3120	15.695	0.008	0.1	0.0047	0.0000	OK
7200 minute summer	SW-TH-IC01	3120	15.626	0.011	0.2	0.0064	0.0000	OK
7200 minute summer	SW-TH-IC02	3120	15.475	0.010	0.2	0.0034	0.0000	OK
7200 minute summer	SW-TH-IC03	3540	15.378	0.018	0.5	0.0119	0.0000	OK
7200 minute summer	SW-TH-IC04	4200	15.300	0.090	1.0	0.0905	0.0000	OK
7200 minute summer	SW-TH-IC08	4200	15.301	0.296	1.6	0.0837	0.0000	SURCHARGED
7200 minute summer	TANK	4200	15.300	0.315	5.1	27.8002	0.0000	SURCHARGED
7200 minute summer	SW-TH-MH01	4200	15.301	0.355	4.7	0.4021	0.0000	SURCHARGED
7200 minute summer	SW-R-MH02	3660	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
7200 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.2	0.225	0.011	0.2663	
7200 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.6	0.452	0.034	0.0433	
7200 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0071	
7200 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.2	0.294	0.005	0.0150	
7200 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.2	0.220	0.004	0.0096	
7200 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.5	0.268	0.013	0.2055	
7200 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	1.0	0.376	0.025	0.9509	
7200 minute summer	SW-TH-IC08	1.005	TANK	2.7	0.521	0.042	0.0517	
7200 minute summer	TANK	1.006	SW-TH-MH01	4.7	0.379	0.045	0.0398	
7200 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	158.9

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	SW-TH-IC06	2280	15.473	0.008	0.1	0.0027	0.0000	OK
7200 minute winter	SW-TH-IC07	4440	15.236	0.076	0.4	0.0548	0.0000	OK
7200 minute winter	SW-TH-RE01	2880	15.695	0.008	0.1	0.0047	0.0000	OK
7200 minute winter	SW-TH-IC01	2880	15.626	0.011	0.2	0.0064	0.0000	OK
7200 minute winter	SW-TH-IC02	2880	15.475	0.010	0.2	0.0034	0.0000	OK
7200 minute winter	SW-TH-IC03	2940	15.376	0.016	0.4	0.0108	0.0000	OK
7200 minute winter	SW-TH-IC04	4440	15.236	0.026	0.8	0.0258	0.0000	OK
7200 minute winter	SW-TH-IC08	4440	15.236	0.231	1.8	0.0653	0.0000	SURCHARGED
7200 minute winter	TANK	4440	15.236	0.251	3.5	22.1120	0.0000	SURCHARGED
7200 minute winter	SW-TH-MH01	4440	15.236	0.291	3.2	0.3286	0.0000	SURCHARGED
7200 minute winter	SW-R-MH02	3840	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
7200 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.211	0.006	0.1416	
7200 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	1.0	0.402	0.054	0.0268	
7200 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0071	
7200 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.2	0.294	0.005	0.0150	
7200 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.2	0.247	0.004	0.0087	
7200 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.4	0.264	0.010	0.0458	
7200 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	0.8	0.363	0.020	0.7357	
7200 minute winter	SW-TH-IC08	1.005	TANK	2.7	0.521	0.041	0.0517	
7200 minute winter	TANK	1.006	SW-TH-MH01	3.2	0.391	0.030	0.0398	
7200 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	199.1

Results for 100 year +40% CC 8640 minute summer. 8880 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
8640 minute summer	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	SW-TH-IC06	4320	15.476	0.011	0.2	0.0038	0.0000	OK
8640 minute summer	SW-TH-IC07	4920	15.234	0.074	0.6	0.0535	0.0000	OK
8640 minute summer	SW-TH-RE01	3840	15.695	0.008	0.1	0.0047	0.0000	OK
8640 minute summer	SW-TH-IC01	3840	15.626	0.011	0.2	0.0064	0.0000	OK
8640 minute summer	SW-TH-IC02	3840	15.475	0.010	0.2	0.0034	0.0000	OK
8640 minute summer	SW-TH-IC03	4380	15.378	0.018	0.5	0.0119	0.0000	OK
8640 minute summer	SW-TH-IC04	4380	15.235	0.025	1.0	0.0246	0.0000	OK
8640 minute summer	SW-TH-IC08	4920	15.234	0.229	1.7	0.0648	0.0000	SURCHARGED
8640 minute summer	TANK	4920	15.234	0.249	3.8	21.9546	0.0000	SURCHARGED
8640 minute summer	SW-TH-MH01	4920	15.234	0.289	4.7	0.3266	0.0000	SURCHARGED
8640 minute summer	SW-R-MH02	4440	14.844	0.019	0.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
8640 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.2	0.235	0.011	0.1375	
8640 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.9	0.451	0.051	0.0262	
8640 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0071	
8640 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.2	0.294	0.005	0.0150	
8640 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.2	0.220	0.004	0.0096	
8640 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.5	0.268	0.013	0.0481	
8640 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	1.0	0.379	0.025	0.7314	
8640 minute summer	SW-TH-IC08	1.005	TANK	2.7	0.520	0.042	0.0517	
8640 minute summer	TANK	1.006	SW-TH-MH01	4.7	0.401	0.045	0.0398	
8640 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.572	0.015	0.0132	155.6

Results for 100 year +40% CC 8640 minute winter. 8880 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
8640 minute winter	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	SW-TH-IC06	2880	15.473	0.008	0.1	0.0027	0.0000	OK
8640 minute winter	SW-TH-IC07	4200	15.176	0.016	0.4	0.0118	0.0000	OK
8640 minute winter	SW-TH-RE01	3660	15.695	0.008	0.1	0.0047	0.0000	OK
8640 minute winter	SW-TH-IC01	3660	15.626	0.011	0.2	0.0064	0.0000	OK
8640 minute winter	SW-TH-IC02	3660	15.475	0.010	0.2	0.0034	0.0000	OK
8640 minute winter	SW-TH-IC03	3720	15.376	0.016	0.4	0.0108	0.0000	OK
8640 minute winter	SW-TH-IC04	3720	15.231	0.021	0.7	0.0208	0.0000	OK
8640 minute winter	SW-TH-IC08	5100	15.161	0.156	1.5	0.0442	0.0000	OK
8640 minute winter	TANK	5100	15.161	0.176	4.2	15.5473	0.0000	OK
8640 minute winter	SW-TH-MH01	5100	15.162	0.217	3.6	0.2457	0.0000	OK
8640 minute winter	SW-R-MH02	5100	14.844	0.019	0.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
8640 minute winter	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.206	0.006	0.0213	
8640 minute winter	SW-TH-IC07	2.002	SW-TH-IC08	0.4	0.402	0.023	0.0036	
8640 minute winter	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0071	
8640 minute winter	SW-TH-IC01	1.001	SW-TH-IC02	0.2	0.294	0.005	0.0150	
8640 minute winter	SW-TH-IC02	1.002	SW-TH-IC03	0.2	0.247	0.004	0.0087	
8640 minute winter	SW-TH-IC03	1.003	SW-TH-IC04	0.4	0.264	0.010	0.0389	
8640 minute winter	SW-TH-IC04	1.004	SW-TH-IC08	0.7	0.362	0.018	0.5406	
8640 minute winter	SW-TH-IC08	1.005	TANK	2.1	0.517	0.033	0.0408	
8640 minute winter	TANK	1.006	SW-TH-MH01	3.6	0.325	0.034	0.0363	
8640 minute winter	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.571	0.015	0.0132	197.4

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	SW-TH-IC10	60	16.474	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	SW-TH-IC06	4020	15.473	0.008	0.1	0.0027	0.0000	OK
10080 minute summer	SW-TH-IC07	4860	15.176	0.016	0.4	0.0118	0.0000	OK
10080 minute summer	SW-TH-RE01	4560	15.695	0.008	0.1	0.0047	0.0000	OK
10080 minute summer	SW-TH-IC01	4560	15.626	0.011	0.2	0.0064	0.0000	OK
10080 minute summer	SW-TH-IC02	4560	15.475	0.010	0.2	0.0034	0.0000	OK
10080 minute summer	SW-TH-IC03	4620	15.376	0.016	0.4	0.0108	0.0000	OK
10080 minute summer	SW-TH-IC04	4980	15.232	0.022	0.8	0.0221	0.0000	OK
10080 minute summer	SW-TH-IC08	5640	15.168	0.163	1.9	0.0460	0.0000	OK
10080 minute summer	TANK	5640	15.168	0.183	4.9	16.1109	0.0000	OK
10080 minute summer	SW-TH-MH01	5640	15.168	0.223	3.8	0.2517	0.0000	OK
10080 minute summer	SW-R-MH02	5640	14.844	0.019	0.9	0.0000	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	SW-TH-IC10	2.000	SW-TH-IC06	0.0	0.000	0.000	0.0000	
10080 minute summer	SW-TH-IC06	2.001	SW-TH-IC07	0.1	0.206	0.006	0.0213	
10080 minute summer	SW-TH-IC07	2.002	SW-TH-IC08	0.4	0.402	0.023	0.0045	
10080 minute summer	SW-TH-RE01	1.000	SW-TH-IC01	0.1	0.168	0.002	0.0071	
10080 minute summer	SW-TH-IC01	1.001	SW-TH-IC02	0.2	0.294	0.005	0.0150	
10080 minute summer	SW-TH-IC02	1.002	SW-TH-IC03	0.2	0.247	0.004	0.0087	
10080 minute summer	SW-TH-IC03	1.003	SW-TH-IC04	0.4	0.264	0.010	0.0412	
10080 minute summer	SW-TH-IC04	1.004	SW-TH-IC08	0.8	0.363	0.020	0.5633	
10080 minute summer	SW-TH-IC08	1.005	TANK	2.5	0.520	0.039	0.0424	
10080 minute summer	TANK	1.006	SW-TH-MH01	3.8	0.420	0.036	0.0371	
10080 minute summer	SW-TH-MH01	1.007	SW-R-MH02	0.9	0.571	0.015	0.0132	153.1