



IN SITU INFILTRATION TEST REPORT

**PIPPIN COTTAGE
NORTH END ROAD
YAPTON
WEST SUSSEX**

PROJECT REFERENCE: P17671

REPORT REFERENCE: R17122

Report Beneficiary: Unda Consulting Limited

Document Control			
Issue No.	Status	Issue Date	Notes
1	Final	25 th March 2026	
Report Section		Prepared By	Approved By
In Situ Infiltration Test Report		Adam Cormack HNC FGS	Steven McSwiney BA Mod. Geol. MSc FGS

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Head Office:

Unit 3
The Old Grain Store
Ditchling Common Business Park
Ditchling
East Sussex
BN6 8SG



Company Registration No.
242 6786



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1. INTRODUCTION

Ashdown Site Investigation Ltd has previously undertaken in situ infiltration testing¹ within three machine dug trial pits at Pippin Cottage, North End Road, Yapton, West Sussex, denoted TP01 to TP03. These works were restricted to a single shift and completion of the soakage testing in full accordance with BRE 365 guidance was not possible due to the slow infiltration rates into the soils and the time available on site.

Ashdown Site Investigation Ltd was subsequently requested to undertake supplementary in situ infiltration testing to assist others with the design of the storm water drainage system, with testing extended over several days.

The scope of the works covered by this report, and the terms and conditions under which they were undertaken, were set out within the offer letter Q16214, dated 10th February 2026. The instruction to proceed was received from the client, Unda Consulting Limited.

The specific objectives of the works were to:

- a) Investigate the shallow ground and groundwater conditions in the additional specified test areas; and
- b) Provide updated advice/parameters to assist others with the design of the stormwater drainage system.

It should be noted that at the time of preparing this report, Ashdown Site Investigation Ltd is currently undertaking winter groundwater monitoring² within two standpipes that were installed within boreholes in October 2025. The groundwater monitoring results will be issued separately on completion of the monitoring period.

¹ Ashdown Site Investigation Ltd, Project Ref. P17597 Report Ref. R17068, Dated February 2026.

² Ashdown Site Investigation Ltd Project Ref: P17440.

2. SITE CONTEXT

2.1 Site Location

The site is located at North End Road, Yapton, West Sussex, and is centred on the approximate Ordnance Survey national grid reference 497988, 103925. A site location plan and site plan are presented as Figure 1 and Figure 2, respectively.

2.2 Geological and Hydrogeological Setting

2.2.1 Expected Geology and Aquifer Designation

The stratigraphic succession that may be expected to underlie the site has been established by reference to British Geological Survey (BGS) mapping and the BGS Lexicon of Named Rock Units. The expected stratigraphy is presented in the following table.

Table 1. Expected Strata and Aquifer Designation

Type	Stratum	Aquifer Designation
Superficial	River Terrace Deposits	Secondary A Aquifer
Bedrock	White chalk Subgroup	Principal Aquifer

The River Terrace Deposits generally comprise well graded sandy fine to coarse gravel. Locally sand or gravel strata may predominate. Lenses of clay, silt and localised peat may be present. Gravels normally include a high proportion of subangular flint and chert and Lower Greensand rock types.

The White Chalk Subgroup comprises chalk with flints. The Subgroup contains discrete marl seams, nodular chalk and flint seams throughout. The formation is of Maastrichtian to Cenomanian age (66 to 100.5 million years old; Late Cretaceous). The subgroup is recorded by the BGS to range in thickness up to 515m in the Hampshire/Sussex Area.

2.2.2 Natural Ground Hazards

The chalk can be expected to have a deeply convoluted upper surface as a result of solution weathering and erosion. The presence of natural cavities in the chalk is very rare and solution features, if present, can be expected to be infilled with Quaternary Superficial Deposits. The infill material may be significantly weaker than the surrounding chalk. Solution features can comprise pipes extending to several metres deep into the chalk or conical depressions and basin shaped structures.

The British Geological Survey GeoSure 5km hex grid indicates the generalised area of the site has a low susceptibility from soluble rocks.

Further assessment of the natural ground hazards can be undertaken, if required, to provide more detailed comment specific to the site.

2.2.3 *Groundwater Source Protection Zones (SPZ)*

The Environment Agency defines SPZs as those areas where groundwater supplies are at risk from potentially polluting activities and accidental releases of pollutants. SPZs are primarily a policy tool used to control activities close to water supplies intended for human consumption.

The site does not lie within a Source Protection Zone.

3. SITE WORKS

The current intrusive site works comprised two hand dug trial pits, denoted TP02a and TP03a, dug to average depths of 0.66m and 1.11m below ground level, respectively, adjacent to trial pits TP02 and TP03 excavated during the previous works. The exploratory hole locations are shown on Figure 2.

In situ infiltration testing was undertaken in both trial pits in general accordance with the test methodology given by BRE guidance³. The trial pits were excavated on the 10th March 2026. The pits were filled with water on the 10th, 11th and 12th March 2026. The fall in water level was recorded using dataloggers installed within standpipe sin the pits, programmed to collect readings at minute intervals. The results of the testing along with the infiltration rate calculations are included in the appendices.

Descriptions of the strata encountered and comments on groundwater conditions are shown in the exploratory hole records, which are appended to this report, together with explanatory notes to assist in their interpretation.

³ Section 3.2.3 of Building Research Establishment (BRE) Digest 365, 2016.

4. STORMWATER INFILTRATION SYSTEMS

In-situ infiltration testing⁴ was carried out in trial pits TP02a and TP03a, within the made ground and/or River Terrace Deposits. From the test results calculations were made to determine the infiltration rate that could be expected for infiltration systems constructed into the underlying soils.

For each test the soil infiltration rate (f) was calculated by dividing the volume of water lost between 75% and 25% of the initial test depth by the sum of the average surface area of the sides of the trial pit in contact with the water during the test monitoring period, and its base area. This figure was then divided by the test duration (time taken for the water level to fall between 75% and 25% of the initial test depth) to give the soil infiltration rate in metres per second.

The infiltration rates, together with the fall in head of water expressed as a percentage of the initial head over which the calculation of each infiltration rate was based, are summarised in the following table.

Table 2. Calculated Infiltration Rates

Exploratory Hole	Top of Response Zone (m bgl)	Bottom of Response Zone (m bgl)*	Stratum	Infiltration Rate (f) (m/sec)	Calculation Based on Head of Water as % of Initial Head)
TP02a Test 1	0.23	0.66	River Terrace Deposits	2.24×10^{-5}	75-25
TP02a Test 2	0.21	0.66	River Terrace Deposits	7.94×10^{-6}	75-25
TP02a Test 3	0.19	0.66	River Terrace Deposits	8.38×10^{-6}	75-25
TP03a Test 1	0.38	1.11	Made Ground/River Terrace Deposits	4.12×10^{-6}	75-25
TP03a Test 2	0.37	1.11	Made Ground/River Terrace Deposits	3.53×10^{-6}	75-25
TP03a Test 3	0.39	1.11	Made Ground/River Terrace Deposits	3.20×10^{-6}	75-25

Notes: *Average pit depth

The value 'f' is equivalent to the soil infiltration coefficient 'q' quoted in the Construction Industry Research and Information Association (CIRIA) Report 156. The results from the infiltration tests should be provided to engineers responsible for the design of the drainage system.

To comply with building regulations⁵, point discharging infiltration systems (conventional ring or trench soakaways) are required to be constructed a minimum of 5.0m away from proposed or existing buildings.

However, CIRIA guidance⁶ recommends that where soakaways are to be sited on low density chalk deposits, they should be constructed a minimum of 10m away from buildings, this can be reduced to 5m where chalk deposits are demonstrated to be medium or high density.

⁴ Conducted in general accordance with the requirements of BRE 365, Soakaway Design.

⁵ The Building Regulations 2010; Part H; Drainage and Waste Disposal

⁶ CIRIA C574 Engineering in Chalk Deposits

The infiltration testing conducted in the trial pits is intended to provide calculated soil infiltration rates to assist in the preliminary design of infiltration systems at the site. However, it should be noted that Regulators/Local Authorities may require further testing to be undertaken at a later stage in accordance with the BRE365 guidance. This guidance states the testing should be carried out at the locations and depths of the proposed soakaways, which will not be known until preliminary drainage design has been undertaken.

Monitoring of groundwater levels during the worst annual case (winter period) is ongoing. The BRE365 guidance suggests this should be undertaken prior to finalising design of infiltration systems. The results of the groundwater monitoring will be issued under separate cover.

FIGURES & APPENDICES

Figure 1 Site Location Plan

Figure 2 Site Plan

Explanatory Notes

Exploratory Hole Records

Trial Pit In Situ Infiltration Test Results



Head Office

Unit 3
The Old Grain Store
Ditchling Common Business Park
Ditchling
East Sussex
BN6 8SG
contact@ashdownsi.co.uk

Site

Pippin Cottage
North End Road
Yapton
West Sussex

Project Ref

P17671

Figure No

1

Drawing Title

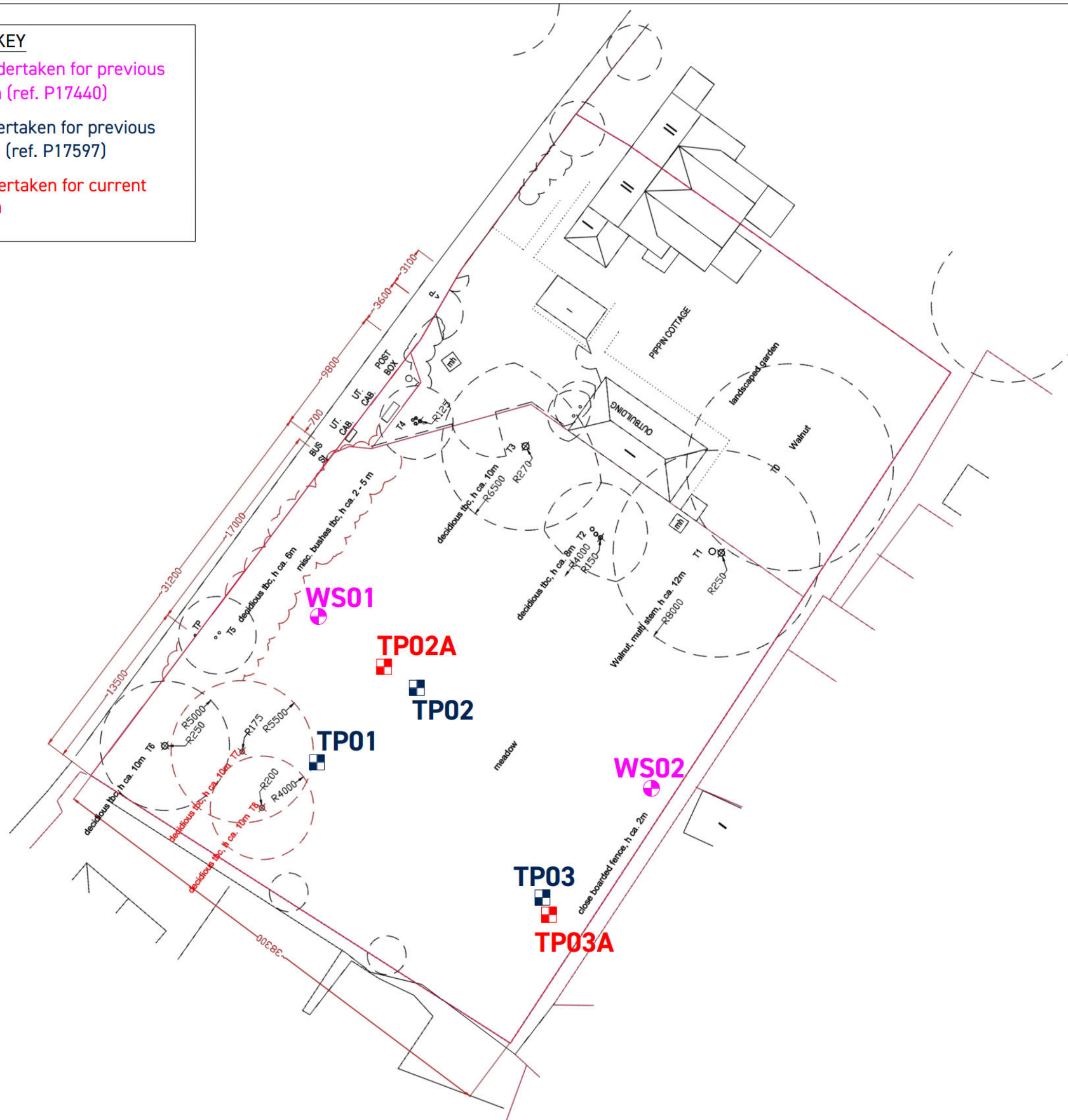
Site Location Plan

Scale

Not To Scale

KEY

-  Borehole undertaken for previous investigation (ref. P17440)
-  Trial pit undertaken for previous investigation (ref. P17597)
-  Trial pit undertaken for current investigation



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Figure No

2

Drawing Title

Site Plan

Scale

Not To Scale

EXPLANATORY NOTES

Symbols and abbreviations on Exploratory Hole Records

Samples

U	'Undisturbed' Sample: - 100mm diameter by 450mm long. The number of blows to drive in the sampling tube is shown after the test index letter in the SPT column.
L	Liner sample cut to length indicated.
D	Disturbed Sample
B	Bulk Disturbed Sample
W	Water Sample
ES	Environmental Suite (on older records may be referenced J T)

In Situ Testing

SPT	Standard penetration test (SPT): Using the split spoon sampler.
SPT(C)	Standard Penetration Test (SPT): Using a solid cone instead of the sampler – conducted usually in coarse grained soils or weak rocks.
HV	Shear Vane Test: Undrained shear strength (cohesion).
PP	Hand penetrometer Test: Undrained shear strength (cohesion).
P	Perth Penetrometer Test: Number of blows for 300mm penetration shown under remarks section.

Excavation Method

CP	Cable Percussion Borehole
RC/RO	Rotary Cored Borehole/Rotary Open Hole Borehole
WLS	Dynamic Sampler Borehole using windowless sampler tubes
WS	Dynamic Sampler Borehole using window sampler tubes
TP	Trial Pit excavated using mechanic excavator
HP	Trial Pit excavated using hand tools
HA	Hand Auger borehole

Soil Description

Description and classification of soils has been carried out using as a general basis the British Standard Geotechnical investigation and testing – Identification and classification of soil, Part 1 Identification and description (BS EN ISO 14688-1) and Part 2 Principles of classification (BS EN 14688-2) as well as the BS5930 code of Practice for Ground Investigations.

Rock Description

Description and classification of rocks has been carried out using as a general basis the British Standard Geotechnical investigation and testing – Identification and classification of rock, Part 1 Identification and classification (BS EN ISO 14689-1) as well as the BS5930 code of Practice for Ground Investigations. TCR – Total Core Recovery, SCR – Solid Core Recovery, RQD – Rock Quality Designation, NI – Non Intact, If – indicative fracture spacing (min/ave/max), FI – Fracture Index.

Chalk Description

Chalk description is based on BS EN ISO 14688, BS EN ISO 14689 and BS5930. The classification of chalk generally follows the guidance offered by the Construction Industry Research and Information Association (CIRIA) C574, 'Engineering in Chalk'. This is based on assessment of chalk density, discontinuity and aperture spacing, and the proportion of intact chalk to silt of chalk.

In Situ Strength Testing (where undertaken)

Standard penetration testing (SPT) carried out in accordance with BS EN ISO 22476-3:2005.

Continuous dynamic probe testing conducted using a super heavy DPSH-B (As defined by BS EN ISO 22476-2:2005) probing geometry. The DPSH-B configuration is similar to that of the standard penetration test (SPT); the main differences being that the tip comprises a 90° cone, the driving rods are lighter than those used for SPT testing and the blow counts are recorded over 100mm increments rather than 300mm, as is the case for the SPT.

Perth penetrometer tests carried out in accordance with Australian Standard AS 1289:6.3.3-1997, Method of Testing Soils for Engineering Purposes; no equivalent European or British Standard having been published to date.

Undrained shear strength determinations made in-situ using a Geonor hand shear vane or a hand penetrometer.

Testing to determine the in-situ California Bearing Ratio (CBR) of soils conducted at shallow depths using a hand-held Transport Research Laboratory (TRL) cone penetrometer.



Trial Pit

TP02A
Sheet 1 of 1

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Pippin Cottage, North End Road, Yapton, West Sussex	Project No. P17671	Start Date 2026-03-10	End Date 2026-03-10	

Client	Consultant	Contractor
--------	------------	------------

Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
		0.20	D			(0.30)		Topsoil.	
		0.50	D			(0.36)		Light brown and orange brown slightly gravelly silty CLAY. Gravel is subangular to subrounded fine to coarse flint and chalk. [River Terrace Deposits]	0.5
						0.66		End of Trial Pit at 0.66m	
									1.0
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 0.66m TP Trial pit dry on completion. L = 0.96m W = 0.31m	Logger FL
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Trial Pit

TP03A
Sheet 1 of 1

Hole Type TP	Easting	Northing	Ground Level (m)	Scale 1:25
Project Name Pippin Cottage, North End Road, Yapton, West Sussex	Project No. P17671	Start Date 2026-03-10	End Date 2026-03-10	

Client	Consultant	Contractor
--------	------------	------------

Inst/ Backfill	Water Levels	Samples and Tests			Level (m)	Depth (m) (thickness)	Strata		
		Depth (m)	Type/ Ref	Results			Legend	Description	
								Topsoil.	
						(0.30)			
						0.30			
		0.60	D			(0.50)		MADE GROUND: Light brown and orange brown slightly gravelly silty clay. Gravel is subangular to subrounded fine to coarse flint and chalk.	0.5
						0.80			
		0.90	D			(0.20)		MADE GROUND: Brown and light brown gravelly silty clay. Gravel is subangular to subrounded fine to cobble brick, chalk and flint.	1.0
		1.10	D			1.00 (0.11) 1.11		Orange brown and brown slightly gravelly sandy CLAY. Gravel is subangular to subrounded fine to coarse flint. Sand is fine to medium. [River Terrace Deposits]	1.0
								End of Trial Pit at 1.11m	
									1.5
									2.0
									2.5
									3.0
									3.5
									4.0
									4.5
									5.0

Remarks Trial pit dry on completion.	Method, Plant, Stability, Dimensions 0.00 - 1.11m TP Trial pit dry on completion. L = 0.92m  W = 0.33m	Logger FL
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Site: Pippin Cottage, North End Road, Yapton, West Sussex

Project Ref: P17671

Test Location Reference	TP02a
Test Number	1

Width of Pit	0.31 m	W
Length of Pit	0.96 m	L
Depth of Pit	0.66 m	D
Pit type	Open	

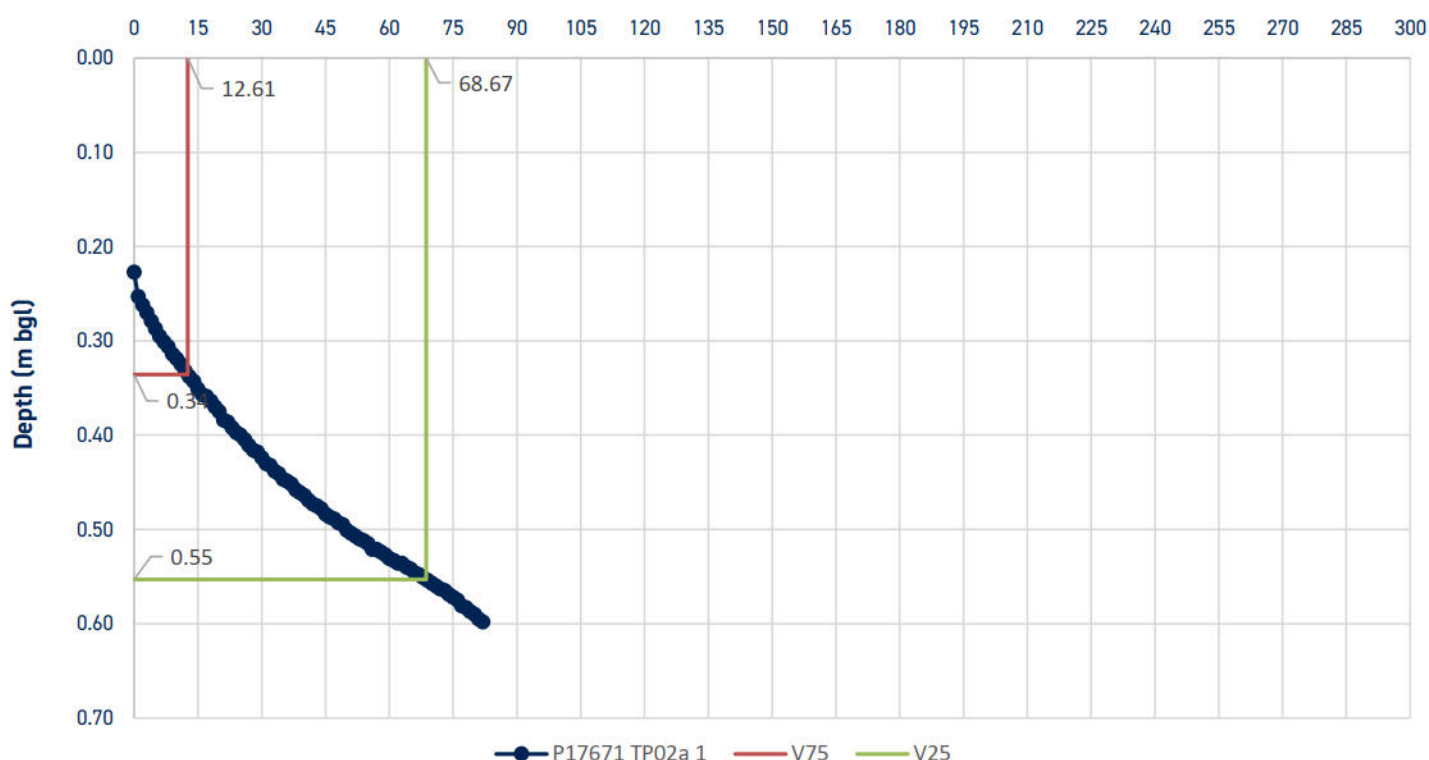
Volume of water introduced into pit	0.127 m ³	
Initial head of water	0.43 m	h_0
Water level at start of test	0.23 m	
Water level at end of test	0.60 m	
Volume of water discharged from pit	0.108 m ³	
Duration of test	82 min	
Average soaked surface area	0.92 m ²	
Time for water level to fall to 75% of initial head	12.61 min	t_{p75}
Time for water level to fall to 25% of initial head	68.67 min	t_{p25}
Depth to water at 75% of initial head	0.34 m	d_{75}
Depth to water at 25% of initial head	0.55 m	d_{25}
Time for the water level to fall from 75% to 25% of initial head	56.06 min	t_{p75-25}
Effective storage volume of water in the soakage trial pit between 75% and 25% of initial head	0.063 m ³	V_{p75-25}
Internal surface area of the soakage trial pit up to 50% of initial head and including the base area	0.84 m ²	a_{s50}

Infiltration rate

2.24E-05 m/sec f

Calculation method: BRE 365

Elapsed Time (min)



Site: Pippin Cottage, North End Road, Yapton, West Sussex

Project Ref: P17671

Test Location Reference	TP02a
Test Number	2

Width of Pit	0.31 m	W
Length of Pit	0.96 m	L
Depth of Pit	0.66 m	D
Pit type	Open	

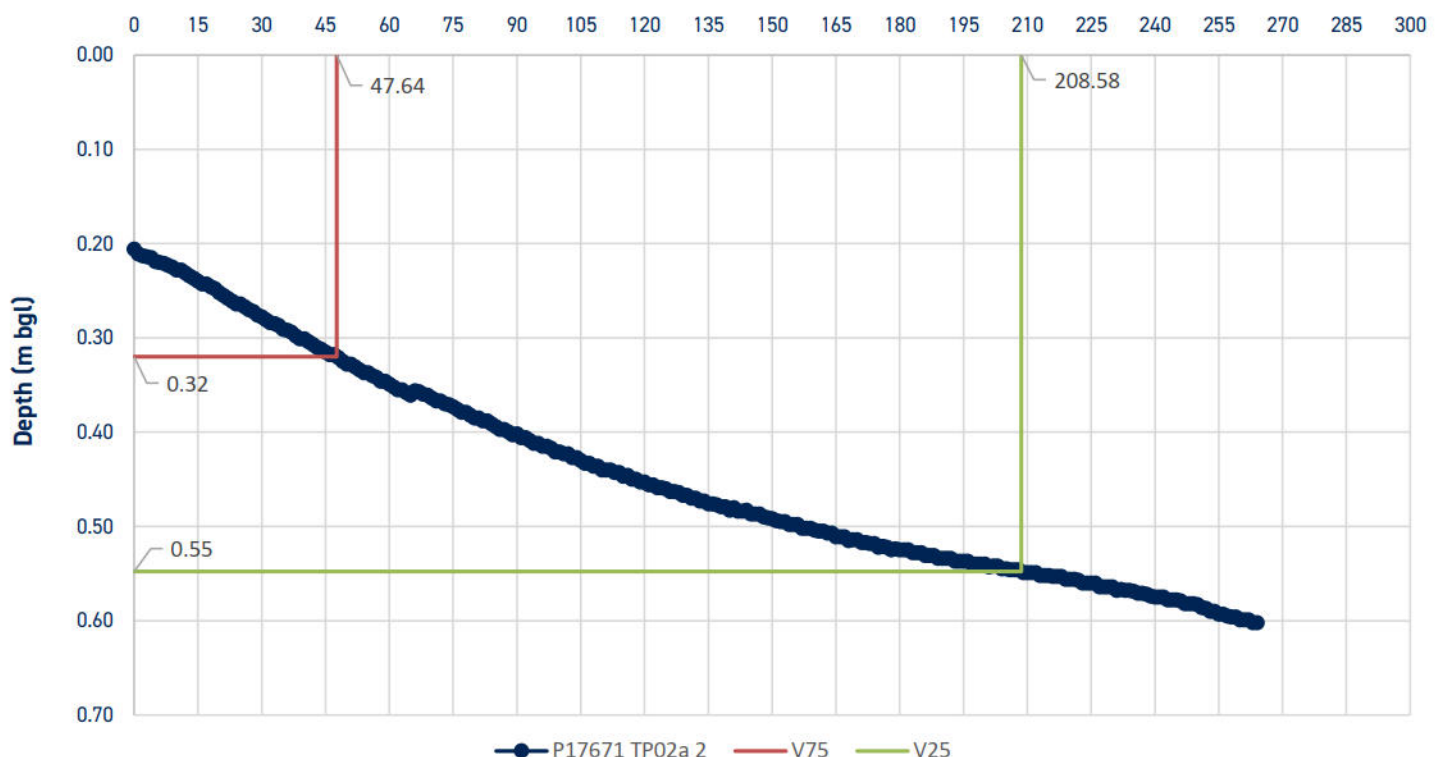
Volume of water introduced into pit	0.133 m ³	
Initial head of water	0.46 m	h_0
Water level at start of test	0.21 m	
Water level at end of test	0.60 m	
Volume of water discharged from pit	0.115 m ³	
Duration of test	264 min	
Average soaked surface area	0.94 m ²	
Time for water level to fall to 75% of initial head	47.64 min	t_{p75}
Time for water level to fall to 25% of initial head	208.58 min	t_{p25}
Depth to water at 75% of initial head	0.32 m	d_{75}
Depth to water at 25% of initial head	0.55 m	d_{25}
Time for the water level to fall from 75% to 25% of initial head	160.94 min	t_{p75-25}
Effective storage volume of water in the soakage trial pit between 75% and 25% of initial head	0.066 m ³	V_{p75-25}
Internal surface area of the soakage trial pit up to 50% of initial head and including the base area	0.87 m ²	a_{s50}

Infiltration rate

7.94E-06 m/sec f

Calculation method: BRE 365

Elapsed Time (min)



Site: Pippin Cottage, North End Road, Yapton, West Sussex

Project Ref: P17671

Test Location Reference	TP02a
Test Number	3

Width of Pit	0.31 m	W
Length of Pit	0.96 m	L
Depth of Pit	0.66 m	D
Pit type	Open	

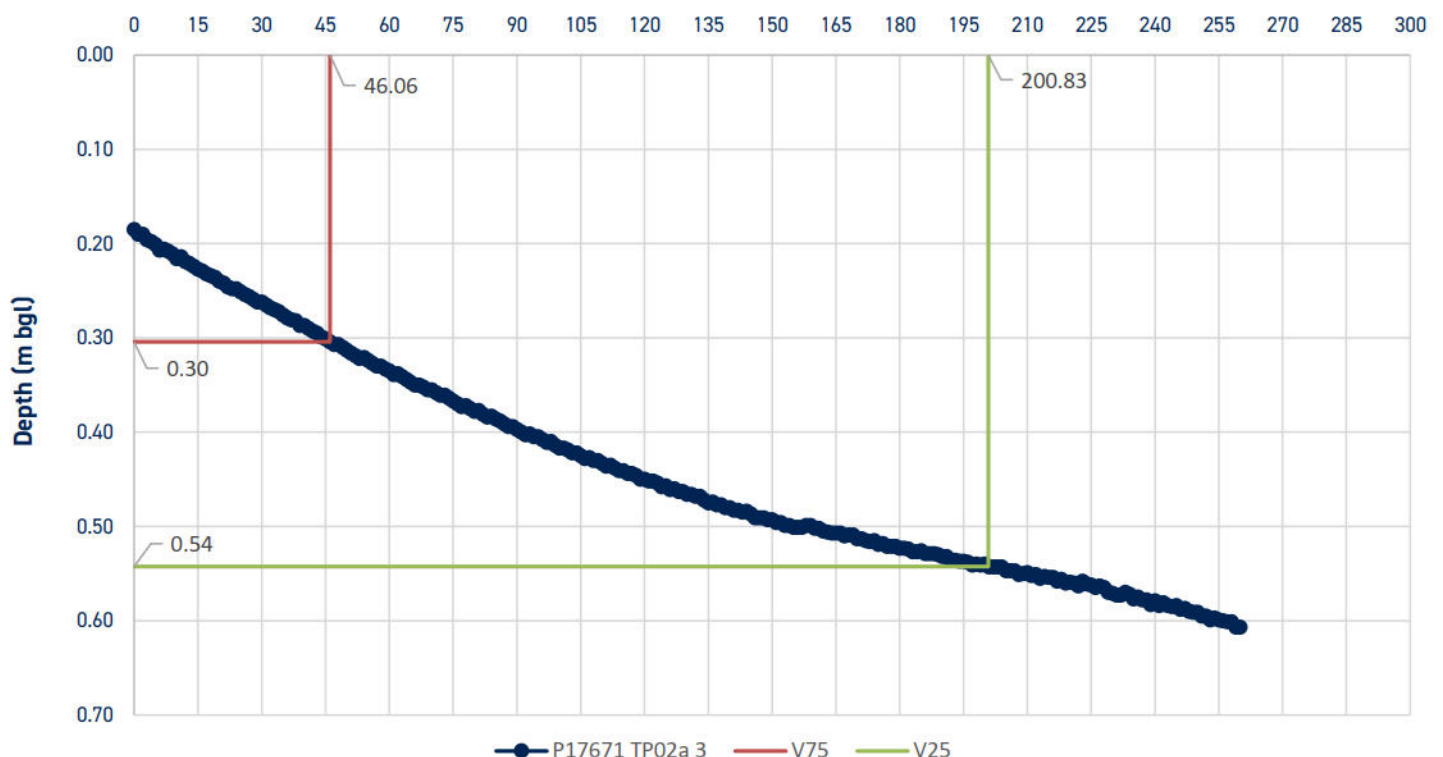
Volume of water introduced into pit	0.139 m ³	
Initial head of water	0.48 m	h_o
Water level at start of test	0.19 m	
Water level at end of test	0.61 m	
Volume of water discharged from pit	0.123 m ³	
Duration of test	260 min	
Average soaked surface area	0.96 m ²	
Time for water level to fall to 75% of initial head	46.06 min	t_{p75}
Time for water level to fall to 25% of initial head	200.83 min	t_{p25}
Depth to water at 75% of initial head	0.30 m	d_{75}
Depth to water at 25% of initial head	0.54 m	d_{25}
Time for the water level to fall from 75% to 25% of initial head	154.78 min	t_{p75-25}
Effective storage volume of water in the soakage trial pit between 75% and 25% of initial head	0.069 m ³	V_{p75-25}
Internal surface area of the soakage trial pit up to 50% of initial head and including the base area	0.89 m ²	a_{s50}

Infiltration rate

8.38E-06 m/sec f

Calculation method: BRE 365

Elapsed Time (min)



Site: Pippin Cottage, North End Road, Yapton, West Sussex

Project Ref: P17671

Test Location Reference	TP03a
Test Number	1

Width of Pit	0.33 m	W
Length of Pit	0.92 m	L
Depth of Pit	1.11 m	D
Pit type	Open	

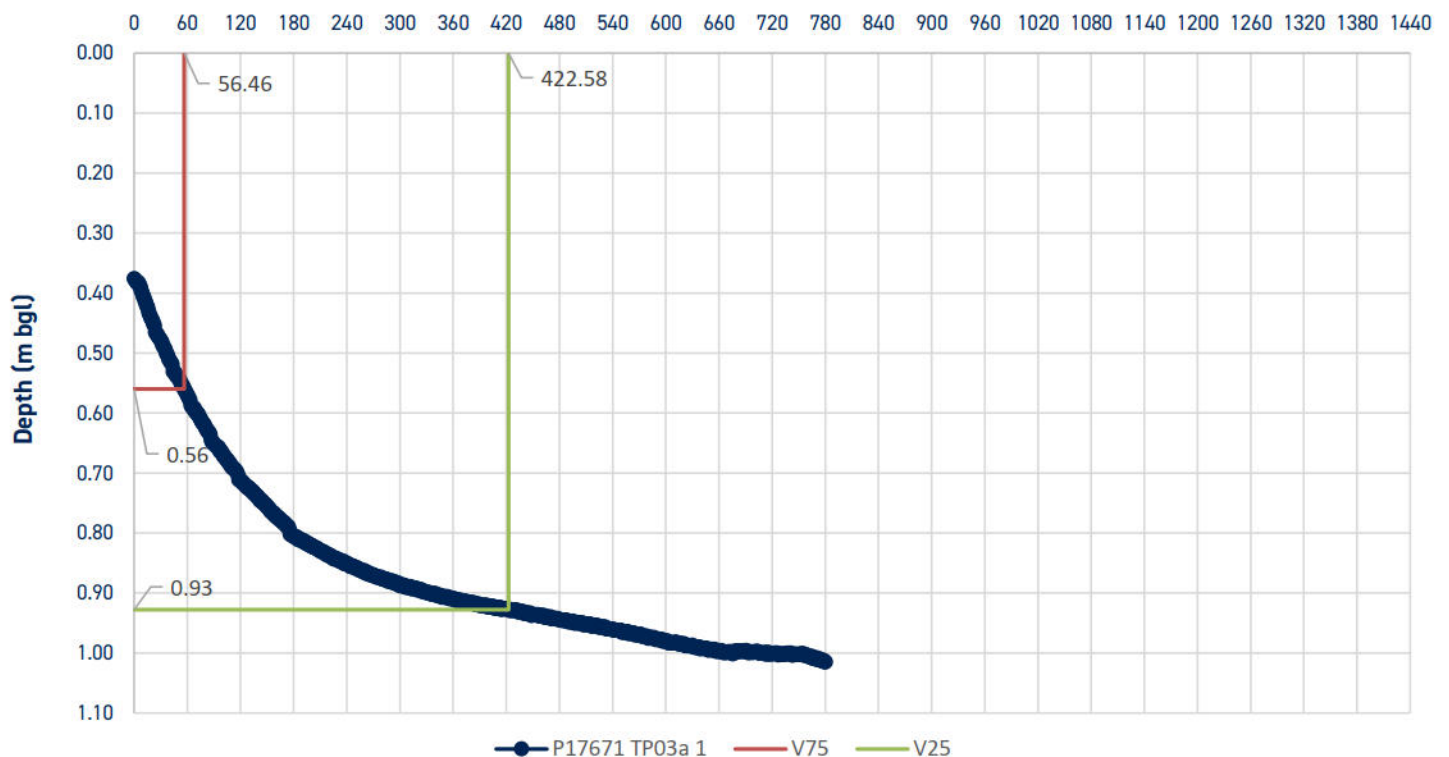
Volume of water introduced into pit	0.219 m ³	
Initial head of water	0.74 m	h_0
Water level at start of test	0.38 m	
Water level at end of test	1.02 m	
Volume of water discharged from pit	0.190 m ³	
Duration of test	780 min	
Average soaked surface area	1.33 m ²	
Time for water level to fall to 75% of initial head	56.46 min	t_{p75}
Time for water level to fall to 25% of initial head	422.58 min	t_{p25}
Depth to water at 75% of initial head	0.56 m	d_{75}
Depth to water at 25% of initial head	0.93 m	d_{25}
Time for the water level to fall from 75% to 25% of initial head	366.13 min	t_{p75-25}
Effective storage volume of water in the soakage trial pit between 75% and 25% of initial head	0.109 m ³	V_{p75-25}
Internal surface area of the soakage trial pit up to 50% of initial head and including the base area	1.21 m ²	a_{s50}

Infiltration rate

4.12E-06 m/sec f

Calculation method: BRE 365

Elapsed Time (min)



Site: Pippin Cottage, North End Road, Yapton, West Sussex

Project Ref: P17671

Test Location Reference	TP03a
Test Number	2

Width of Pit	0.33 m	W
Length of Pit	0.92 m	L
Depth of Pit	1.11 m	D
Pit type	Open	

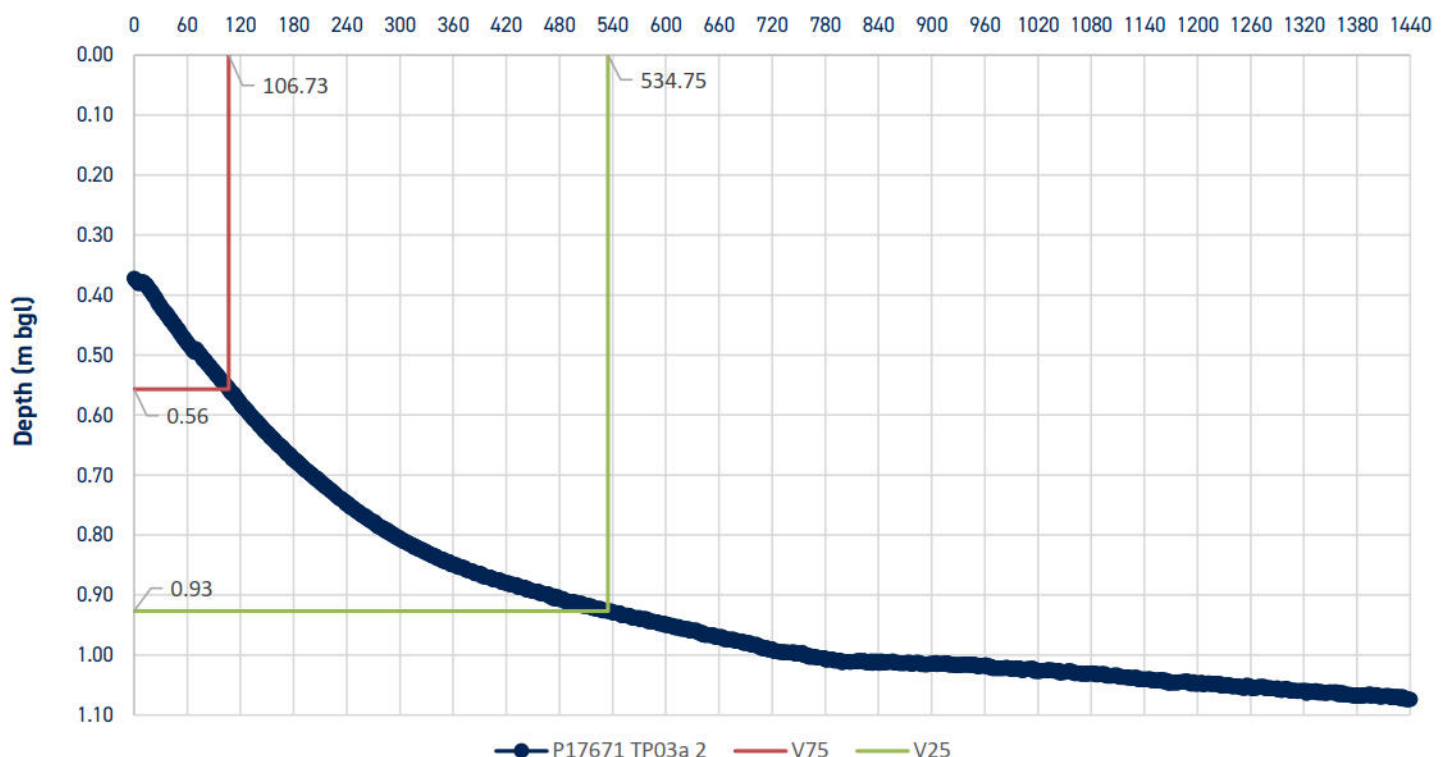
Volume of water introduced into pit	0.220 m ³	
Initial head of water	0.74 m	h_0
Water level at start of test	0.37 m	
Water level at end of test	1.08 m	
Volume of water discharged from pit	0.210 m ³	
Duration of test	1558 min	
Average soaked surface area	1.26 m ²	
Time for water level to fall to 75% of initial head	106.73 min	t_{p75}
Time for water level to fall to 25% of initial head	534.75 min	t_{p25}
Depth to water at 75% of initial head	0.56 m	d_{75}
Depth to water at 25% of initial head	0.93 m	d_{25}
Time for the water level to fall from 75% to 25% of initial head	428.02 min	t_{p75-25}
Effective storage volume of water in the soakage trial pit between 75% and 25% of initial head	0.110 m ³	V_{p75-25}
Internal surface area of the soakage trial pit up to 50% of initial head and including the base area	1.21 m ²	a_{s50}

Infiltration rate

3.53E-06 m/sec f

Calculation method: BRE 365

Elapsed Time (min)



Site: Pippin Cottage, North End Road, Yapton, West Sussex

Project Ref: P17671

Test Location Reference	TP03a
Test Number	3

Width of Pit	0.33 m	W
Length of Pit	0.92 m	L
Depth of Pit	1.11 m	D
Pit type	Open	

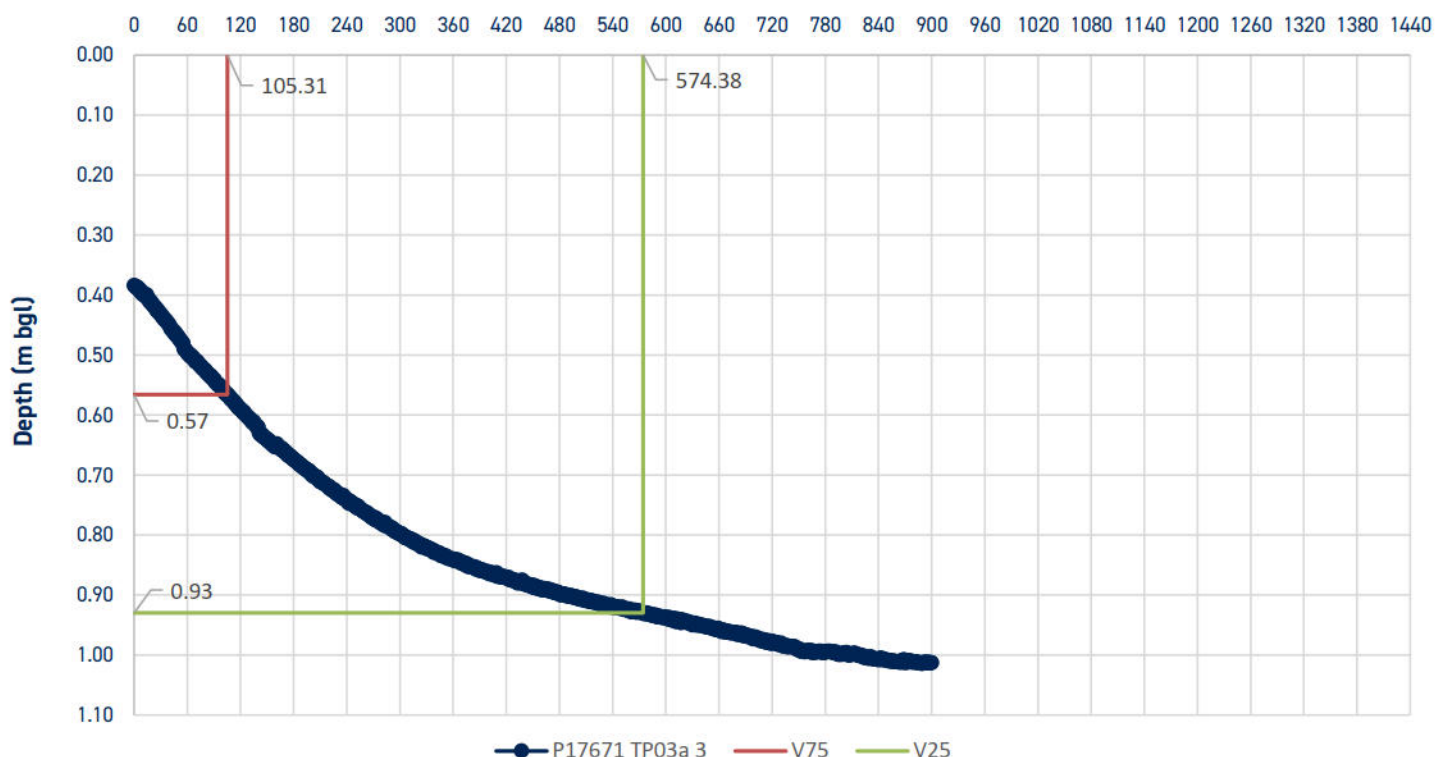
Volume of water introduced into pit	0.216 m ³	
Initial head of water	0.73 m	h_0
Water level at start of test	0.38 m	
Water level at end of test	1.01 m	
Volume of water discharged from pit	0.187 m ³	
Duration of test	900 min	
Average soaked surface area	1.32 m ²	
Time for water level to fall to 75% of initial head	105.31 min	t_{p75}
Time for water level to fall to 25% of initial head	574.38 min	t_{p25}
Depth to water at 75% of initial head	0.57 m	d_{75}
Depth to water at 25% of initial head	0.93 m	d_{25}
Time for the water level to fall from 75% to 25% of initial head	469.07 min	t_{p75-25}
Effective storage volume of water in the soakage trial pit between 75% and 25% of initial head	0.108 m ³	V_{p75-25}
Internal surface area of the soakage trial pit up to 50% of initial head and including the base area	1.20 m ²	a_{s50}

Infiltration rate

3.20E-06 m/sec f

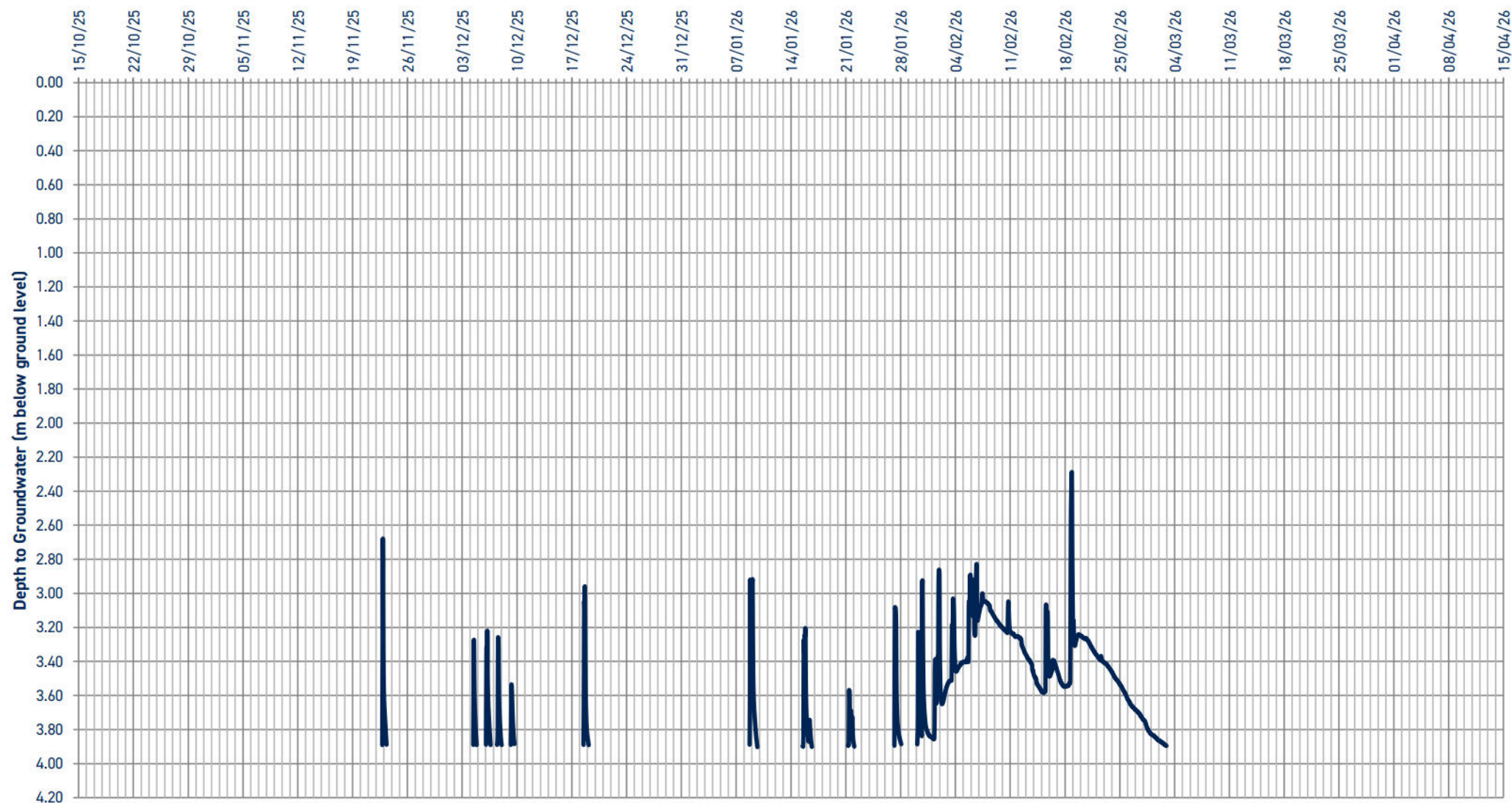
Calculation method: BRE 365

Elapsed Time (min)



Site: Pippin Cottage, North End Road, Yapton, West Sussex

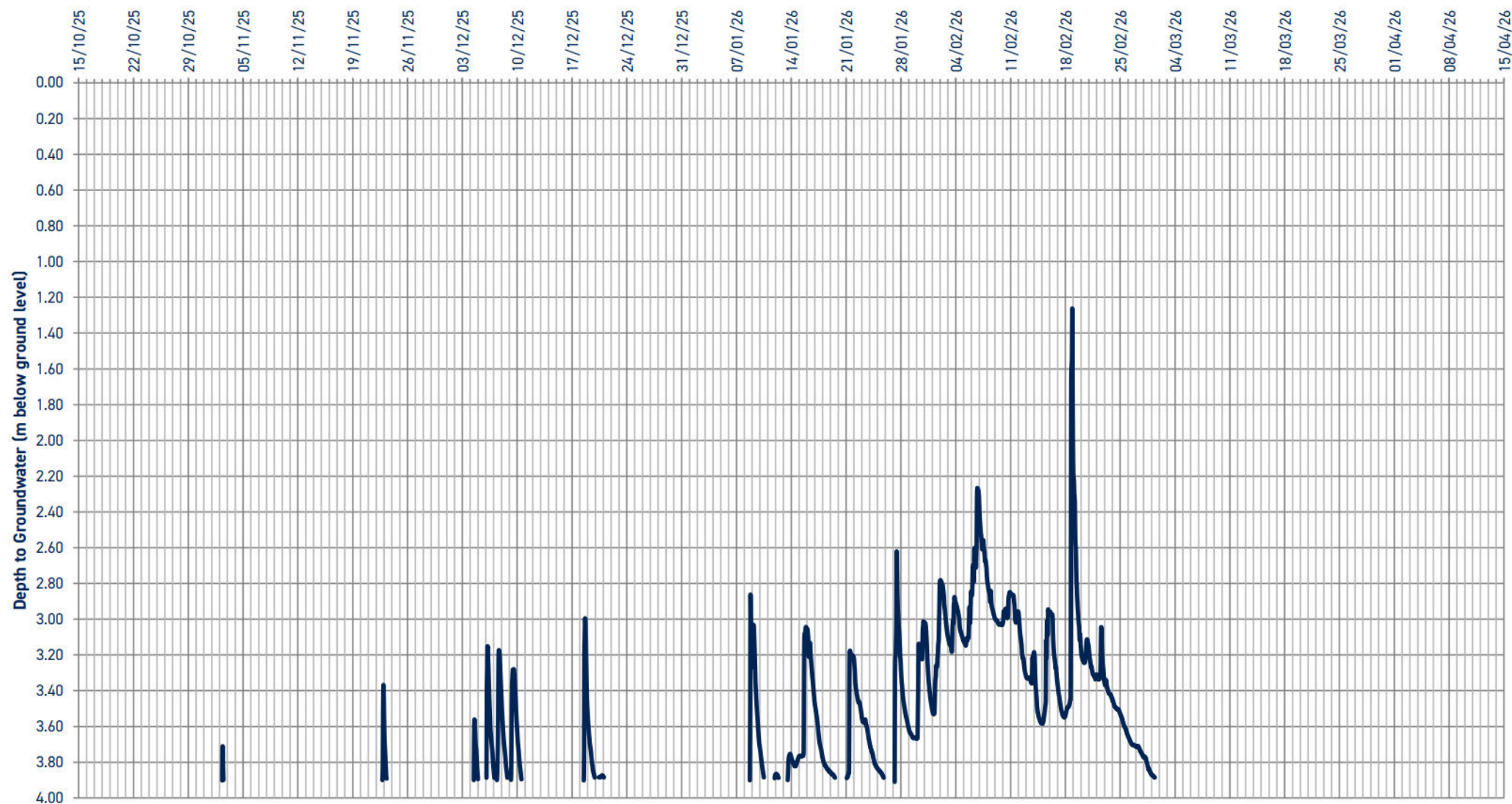
Project Ref: P17440



WS01

Site: Pippin Cottage, North End Road, Yapton

Project Ref: P17440



WS02



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	1.000	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	✓
Maximum Rainfall (mm/hr)	50.0		

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)	Invert Level (m)
MH6	0.022	5.00	10.130		17031.052	15364.777	0.367	9.763
MH1	0.007	5.00	10.350		17031.451	15349.683	0.398	9.952
MH2	0.007	5.00	10.350		17028.199	15349.657	0.398	9.952
MH3	0.007	5.00	10.350		17028.198	15359.009	0.398	9.952
MH4	0.007	5.00	10.350		17031.457	15358.994	0.398	9.952
MH5			10.250	600	17030.417	15360.192	0.456	9.794

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.000	MH1	MH5	10.560	0.600	9.952	9.846	0.106	100.0	100	5.23	50.0
2.000	MH2	MH5	10.766	0.600	9.952	9.844	0.108	100.0	100	5.23	50.0
3.000	MH3	MH5	2.515	0.600	9.952	9.927	0.025	100.0	100	5.05	50.0
4.000	MH4	MH5	1.586	0.600	9.952	9.936	0.016	100.0	100	5.03	50.0
1.001	MH5	MH6	4.629	0.600	9.794	9.763	0.031	150.0	150	5.33	50.0

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
1.000	0.769	6.0	1.3	0.298	0.304	0.007	0.0	31	0.605
2.000	0.769	6.0	1.3	0.298	0.306	0.007	0.0	31	0.605
3.000	0.769	6.0	1.3	0.298	0.223	0.007	0.0	31	0.605
4.000	0.769	6.0	1.3	0.298	0.214	0.007	0.0	31	0.605
1.001	0.818	14.5	5.1	0.306	0.217	0.028	0.0	61	0.746

Simulation Settings

Rainfall Methodology	FEH-22	Skip Steady State	x	1 year (l/s)	0.1
Rainfall Events	Singular	Drain Down Time (mins)	240	30 year (l/s)	0.2
Summer CV	1.000	Additional Storage (m³/ha)	0.0	100 year (l/s)	0.3
Winter CV	1.000	Starting Level (m)		Check Discharge Volume	x
Analysis Speed	Normal	Check Discharge Rate(s)	✓		

Storm Durations

15	60	180	360	600	960	2160	4320	7200	10080
30	120	240	480	720	1440	2880	5760	8640	



Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
2	45	0	0
10	45	0	0
30	45	0	0
100	45	0	0

Pre-development Discharge Rate

Site Makeup	Greenfield	Growth Factor 30 year	2.40
Greenfield Method	IH124	Growth Factor 100 year	3.19
Positively Drained Area (ha)	0.045	Betterment (%)	0
SAAR (mm)	741	QBar	0.1
Soil Index	2	Q 1 year (l/s)	0.1
SPR	0.30	Q 30 year (l/s)	0.2
Region	7	Q 100 year (l/s)	0.3
Growth Factor 1 year	0.85		

Node MH6 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.02858	Safety Factor	3.0	Invert Level (m)	9.419
Side Inf Coefficient (m/hr)	0.00000	Porosity	0.30	Time to half empty (mins)	388

Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)	Depth (m)	Area (m ²)	Inf Area (m ²)
0.000	219.0	219.0	0.580	219.0	219.0	0.581	0.0	219.0

**Results for 2 year +45% CC Critical Storm Duration. Lowest mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
360 minute summer	MH6	312	9.597	-0.166	3.6	11.6973	0.0000	OK
15 minute summer	MH1	10	9.991	0.039	1.9	0.0000	0.0000	OK
15 minute summer	MH2	10	9.991	0.039	1.9	0.0000	0.0000	OK
15 minute summer	MH3	10	9.992	0.040	1.9	0.0000	0.0000	OK
15 minute summer	MH4	10	9.993	0.041	1.9	0.0000	0.0000	OK
15 minute summer	MH5	10	9.874	0.080	7.5	0.0227	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
360 minute summer	MH6	Infiltration		0.6			
15 minute summer	MH1	1.000	MH5	1.9	0.675	0.311	0.0294
15 minute summer	MH2	2.000	MH5	1.9	0.675	0.311	0.0300
15 minute summer	MH3	3.000	MH5	1.9	0.658	0.311	0.0072
15 minute summer	MH4	4.000	MH5	1.9	0.654	0.311	0.0046
15 minute summer	MH5	1.001	MH6	7.5	0.807	0.517	0.0428

**Results for 10 year +45% 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
360 minute summer	MH6	360	9.759	-0.004	5.7	22.3318	0.0000	OK
15 minute summer	MH1	10	10.008	0.056	3.7	0.0000	0.0000	OK
15 minute summer	MH2	10	10.008	0.056	3.7	0.0000	0.0000	OK
15 minute summer	MH3	10	10.012	0.060	3.7	0.0000	0.0000	OK
15 minute summer	MH4	10	10.013	0.061	3.7	0.0000	0.0000	OK
15 minute summer	MH5	10	9.920	0.126	14.7	0.0356	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute summer	MH6	Infiltration		0.6			
15 minute summer	MH1	1.000	MH5	3.7	0.733	0.609	0.0567
15 minute summer	MH2	2.000	MH5	3.7	0.715	0.607	0.0587
15 minute summer	MH3	3.000	MH5	3.7	0.775	0.607	0.0119
15 minute summer	MH4	4.000	MH5	3.7	0.773	0.607	0.0075
15 minute summer	MH5	1.001	MH6	14.5	0.969	1.003	0.0691

**Results for 30 year +45% CC Critical Storm Duration. Lowest mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
240 minute winter	MH6	236	9.870	0.107	6.4	29.6096	0.0000	OK
15 minute summer	MH1	10	10.019	0.067	4.8	0.0000	0.0000	OK
15 minute summer	MH2	10	10.019	0.067	4.8	0.0000	0.0000	OK
15 minute summer	MH3	10	10.024	0.072	4.8	0.0000	0.0000	OK
15 minute summer	MH4	10	10.025	0.073	4.8	0.0000	0.0000	OK
15 minute summer	MH5	10	9.962	0.168	19.0	0.0475	0.0000	FLOOD RISK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
240 minute winter	MH6	Infiltration		0.6			
15 minute summer	MH1	1.000	MH5	4.8	0.703	0.788	0.0706
15 minute summer	MH2	2.000	MH5	4.7	0.693	0.784	0.0721
15 minute summer	MH3	3.000	MH5	4.8	0.820	0.788	0.0146
15 minute summer	MH4	4.000	MH5	4.8	0.819	0.788	0.0092
15 minute summer	MH5	1.001	MH6	18.9	1.083	1.308	0.0774

**Results for 100 year +45% 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
360 minute summer	MH6	360	9.996	0.233	8.7	37.8970	0.0000	OK
15 minute summer	MH1	11	10.110	0.158	6.0	0.0000	0.0000	FLOOD RISK
15 minute summer	MH2	11	10.112	0.160	6.0	0.0000	0.0000	FLOOD RISK
15 minute summer	MH3	10	10.040	0.088	6.0	0.0000	0.0000	OK
15 minute summer	MH4	10	10.040	0.088	6.0	0.0000	0.0000	OK
15 minute summer	MH5	11	10.002	0.208	22.9	0.0589	0.0000	FLOOD RISK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute summer	MH6	Infiltration		0.6			
15 minute summer	MH1	1.000	MH5	5.7	0.733	0.940	0.0826
15 minute summer	MH2	2.000	MH5	5.7	0.725	0.939	0.0842
15 minute summer	MH3	3.000	MH5	5.9	0.851	0.982	0.0175
15 minute summer	MH4	4.000	MH5	5.9	0.848	0.982	0.0111
15 minute summer	MH5	1.001	MH6	22.9	1.302	1.585	0.0795

**Results for 2 year +45% CC 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 (m ³)	Flood (m ³)	Status
15 minute summer	MH6	19	9.501	-0.262	13.5	5.3999	0.0000	OK
15 minute summer	MH1	10	9.991	0.039	1.9	0.0000	0.0000	OK
15 minute summer	MH2	10	9.991	0.039	1.9	0.0000	0.0000	OK
15 minute summer	MH3	10	9.992	0.040	1.9	0.0000	0.0000	OK
15 minute summer	MH4	10	9.993	0.041	1.9	0.0000	0.0000	OK
15 minute summer	MH5	10	9.874	0.080	7.5	0.0227	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
15 minute summer	MH6	Infiltration		0.6			
15 minute summer	MH1	1.000	MH5	1.9	0.675	0.311	0.0294
15 minute summer	MH2	2.000	MH5	1.9	0.675	0.311	0.0300
15 minute summer	MH3	3.000	MH5	1.9	0.658	0.311	0.0072
15 minute summer	MH4	4.000	MH5	1.9	0.654	0.311	0.0046
15 minute summer	MH5	1.001	MH6	7.5	0.807	0.517	0.0428

**Results for 2 year +45% CC 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 (m ³)	Flood (m ³)	Status
15 minute winter	MH6	19	9.501	-0.262	12.7	5.4127	0.0000	OK
15 minute winter	MH1	10	9.990	0.038	1.8	0.0000	0.0000	OK
15 minute winter	MH2	10	9.990	0.038	1.8	0.0000	0.0000	OK
15 minute winter	MH3	10	9.991	0.039	1.8	0.0000	0.0000	OK
15 minute winter	MH4	10	9.992	0.040	1.8	0.0000	0.0000	OK
15 minute winter	MH5	10	9.871	0.077	7.1	0.0219	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
15 minute winter	MH6	Infiltration		0.6			
15 minute winter	MH1	1.000	MH5	1.8	0.665	0.295	0.0282
15 minute winter	MH2	2.000	MH5	1.8	0.665	0.295	0.0288
15 minute winter	MH3	3.000	MH5	1.8	0.648	0.294	0.0069
15 minute winter	MH4	4.000	MH5	1.8	0.645	0.294	0.0044
15 minute winter	MH5	1.001	MH6	7.1	0.796	0.489	0.0411

**Results for 2 year +45% CC 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 (m ³)	Flood (m ³)	Status
30 minute summer	MH6	34	9.525	-0.238	12.2	6.9500	0.0000	OK
30 minute summer	MH1	18	9.989	0.037	1.7	0.0000	0.0000	OK
30 minute summer	MH2	18	9.989	0.037	1.7	0.0000	0.0000	OK
30 minute summer	MH3	18	9.990	0.038	1.7	0.0000	0.0000	OK
30 minute summer	MH4	18	9.991	0.039	1.7	0.0000	0.0000	OK
30 minute summer	MH5	18	9.869	0.075	6.8	0.0214	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
30 minute summer	MH6	Infiltration		0.6			
30 minute summer	MH1	1.000	MH5	1.7	0.658	0.282	0.0273
30 minute summer	MH2	2.000	MH5	1.7	0.658	0.282	0.0278
30 minute summer	MH3	3.000	MH5	1.7	0.641	0.282	0.0067
30 minute summer	MH4	4.000	MH5	1.7	0.638	0.282	0.0042
30 minute summer	MH5	1.001	MH6	6.8	0.790	0.470	0.0399


Results for 2 year +45% CC 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	MH6	33	9.525	-0.238	10.0	6.9949	0.0000	OK
30 minute winter	MH1	18	9.985	0.033	1.4	0.0000	0.0000	OK
30 minute winter	MH2	18	9.985	0.033	1.4	0.0000	0.0000	OK
30 minute winter	MH3	18	9.986	0.034	1.4	0.0000	0.0000	OK
30 minute winter	MH4	18	9.987	0.035	1.4	0.0000	0.0000	OK
30 minute winter	MH5	18	9.861	0.067	5.6	0.0191	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute winter	MH6	Infiltration		0.6			
30 minute winter	MH1	1.000	MH5	1.4	0.624	0.232	0.0237
30 minute winter	MH2	2.000	MH5	1.4	0.624	0.232	0.0242
30 minute winter	MH3	3.000	MH5	1.4	0.609	0.232	0.0058
30 minute winter	MH4	4.000	MH5	1.4	0.606	0.232	0.0037
30 minute winter	MH5	1.001	MH6	5.6	0.752	0.387	0.0345

**Results for 2 year +45% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
60 minute summer	MH6	62	9.545	-0.218	9.3	8.2558	0.0000	OK
60 minute summer	MH1	33	9.984	0.032	1.3	0.0000	0.0000	OK
60 minute summer	MH2	33	9.984	0.032	1.3	0.0000	0.0000	OK
60 minute summer	MH3	33	9.985	0.033	1.3	0.0000	0.0000	OK
60 minute summer	MH4	33	9.985	0.033	1.3	0.0000	0.0000	OK
60 minute summer	MH5	33	9.859	0.065	5.2	0.0183	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
60 minute summer	MH6	Infiltration		0.6			
60 minute summer	MH1	1.000	MH5	1.3	0.611	0.215	0.0225
60 minute summer	MH2	2.000	MH5	1.3	0.611	0.215	0.0229
60 minute summer	MH3	3.000	MH5	1.3	0.597	0.215	0.0055
60 minute summer	MH4	4.000	MH5	1.3	0.594	0.215	0.0035
60 minute summer	MH5	1.001	MH6	5.2	0.738	0.360	0.0326

**Results for 2 year +45% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
60 minute winter	MH6	61	9.545	-0.218	6.5	8.2868	0.0000	OK
60 minute winter	MH1	33	9.978	0.026	0.9	0.0000	0.0000	OK
60 minute winter	MH2	33	9.978	0.026	0.9	0.0000	0.0000	OK
60 minute winter	MH3	33	9.979	0.027	0.9	0.0000	0.0000	OK
60 minute winter	MH4	34	9.979	0.027	0.9	0.0000	0.0000	OK
60 minute winter	MH5	33	9.847	0.053	3.6	0.0149	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
60 minute winter	MH6	Infiltration		0.6			
60 minute winter	MH1	1.000	MH5	0.9	0.552	0.149	0.0172
60 minute winter	MH2	2.000	MH5	0.9	0.552	0.149	0.0176
60 minute winter	MH3	3.000	MH5	0.9	0.540	0.149	0.0042
60 minute winter	MH4	4.000	MH5	0.9	0.538	0.149	0.0027
60 minute winter	MH5	1.001	MH6	3.6	0.669	0.249	0.0249

**Results for 2 year +45% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
120 minute summer	MH6	122	9.579	-0.184	7.0	10.5106	0.0000	OK
120 minute summer	MH1	64	9.980	0.028	1.0	0.0000	0.0000	OK
120 minute summer	MH2	64	9.980	0.028	1.0	0.0000	0.0000	OK
120 minute summer	MH3	64	9.981	0.029	1.0	0.0000	0.0000	OK
120 minute summer	MH4	64	9.981	0.029	1.0	0.0000	0.0000	OK
120 minute summer	MH5	64	9.850	0.056	4.0	0.0158	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
120 minute summer	MH6	Infiltration		0.6			
120 minute summer	MH1	1.000	MH5	1.0	0.568	0.166	0.0186
120 minute summer	MH2	2.000	MH5	1.0	0.568	0.166	0.0189
120 minute summer	MH3	3.000	MH5	1.0	0.556	0.166	0.0045
120 minute summer	MH4	4.000	MH5	1.0	0.553	0.166	0.0029
120 minute summer	MH5	1.001	MH6	4.0	0.688	0.277	0.0269

**Results for 2 year +45% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
120 minute winter	MH6	120	9.578	-0.185	4.9	10.4157	0.0000	OK
120 minute winter	MH1	64	9.975	0.023	0.7	0.0000	0.0000	OK
120 minute winter	MH2	64	9.975	0.023	0.7	0.0000	0.0000	OK
120 minute winter	MH3	64	9.976	0.024	0.7	0.0000	0.0000	OK
120 minute winter	MH4	64	9.976	0.024	0.7	0.0000	0.0000	OK
120 minute winter	MH5	64	9.840	0.046	2.8	0.0130	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
120 minute winter	MH6	Infiltration		0.6			
120 minute winter	MH1	1.000	MH5	0.7	0.514	0.116	0.0144
120 minute winter	MH2	2.000	MH5	0.7	0.513	0.116	0.0147
120 minute winter	MH3	3.000	MH5	0.7	0.503	0.116	0.0035
120 minute winter	MH4	4.000	MH5	0.7	0.502	0.116	0.0022
120 minute winter	MH5	1.001	MH6	2.8	0.625	0.194	0.0207

**Results for 2 year +45% CC 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 (m ³)	Flood (m ³)	Status
180 minute summer	MH6	180	9.588	-0.175	5.1	11.1248	0.0000	OK
180 minute summer	MH1	96	9.975	0.023	0.7	0.0000	0.0000	OK
180 minute summer	MH2	96	9.975	0.023	0.7	0.0000	0.0000	OK
180 minute summer	MH3	96	9.976	0.024	0.7	0.0000	0.0000	OK
180 minute summer	MH4	96	9.976	0.024	0.7	0.0000	0.0000	OK
180 minute summer	MH5	96	9.840	0.046	2.8	0.0130	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
180 minute summer	MH6	Infiltration		0.6			
180 minute summer	MH1	1.000	MH5	0.7	0.514	0.116	0.0144
180 minute summer	MH2	2.000	MH5	0.7	0.513	0.116	0.0147
180 minute summer	MH3	3.000	MH5	0.7	0.503	0.116	0.0035
180 minute summer	MH4	4.000	MH5	0.7	0.502	0.116	0.0022
180 minute summer	MH5	1.001	MH6	2.8	0.625	0.194	0.0207

**Results for 2 year +45% CC 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 (m ³)	Flood (m ³)	Status
180 minute winter	MH6	176	9.590	-0.173	3.6	11.2262	0.0000	OK
180 minute winter	MH1	88	9.972	0.020	0.5	0.0000	0.0000	OK
180 minute winter	MH2	88	9.972	0.020	0.5	0.0000	0.0000	OK
180 minute winter	MH3	92	9.972	0.020	0.5	0.0000	0.0000	OK
180 minute winter	MH4	92	9.972	0.020	0.5	0.0000	0.0000	OK
180 minute winter	MH5	88	9.833	0.039	2.0	0.0109	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
180 minute winter	MH6	Infiltration		0.6			
180 minute winter	MH1	1.000	MH5	0.5	0.466	0.083	0.0113
180 minute winter	MH2	2.000	MH5	0.5	0.466	0.083	0.0116
180 minute winter	MH3	3.000	MH5	0.5	0.458	0.083	0.0027
180 minute winter	MH4	4.000	MH5	0.5	0.457	0.083	0.0017
180 minute winter	MH5	1.001	MH6	2.0	0.569	0.138	0.0163

**Results for 2 year +45% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
240 minute summer	MH6	240	9.597	-0.166	4.4	11.6940	0.0000	OK
240 minute summer	MH1	124	9.973	0.021	0.6	0.0000	0.0000	OK
240 minute summer	MH2	124	9.973	0.021	0.6	0.0000	0.0000	OK
240 minute summer	MH3	124	9.974	0.022	0.6	0.0000	0.0000	OK
240 minute summer	MH4	124	9.974	0.022	0.6	0.0000	0.0000	OK
240 minute summer	MH5	124	9.836	0.042	2.4	0.0120	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
240 minute summer	MH6	Infiltration		0.6			
240 minute summer	MH1	1.000	MH5	0.6	0.491	0.099	0.0129
240 minute summer	MH2	2.000	MH5	0.6	0.491	0.099	0.0131
240 minute summer	MH3	3.000	MH5	0.6	0.482	0.099	0.0031
240 minute summer	MH4	4.000	MH5	0.6	0.481	0.099	0.0020
240 minute summer	MH5	1.001	MH6	2.4	0.599	0.166	0.0185

**Results for 2 year +45% CC 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 (m ³)	Flood (m ³)	Status
240 minute winter	MH6	232	9.597	-0.166	2.9	11.6836	0.0000	OK
240 minute winter	MH1	116	9.970	0.018	0.4	0.0000	0.0000	OK
240 minute winter	MH2	112	9.970	0.018	0.4	0.0000	0.0000	OK
240 minute winter	MH3	116	9.970	0.018	0.4	0.0000	0.0000	OK
240 minute winter	MH4	112	9.970	0.018	0.4	0.0000	0.0000	OK
240 minute winter	MH5	112	9.828	0.034	1.6	0.0098	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
240 minute winter	MH6	Infiltration		0.6			
240 minute winter	MH1	1.000	MH5	0.4	0.436	0.066	0.0097
240 minute winter	MH2	2.000	MH5	0.4	0.436	0.066	0.0099
240 minute winter	MH3	3.000	MH5	0.4	0.429	0.066	0.0023
240 minute winter	MH4	4.000	MH5	0.4	0.428	0.066	0.0015
240 minute winter	MH5	1.001	MH6	1.6	0.535	0.111	0.0139

**Results for 2 year +45% CC 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 (m ³)	Flood (m ³)	Status
360 minute summer	MH6	312	9.597	-0.166	3.6	11.6973	0.0000	OK
360 minute summer	MH1	184	9.972	0.020	0.5	0.0000	0.0000	OK
360 minute summer	MH2	184	9.972	0.020	0.5	0.0000	0.0000	OK
360 minute summer	MH3	184	9.972	0.020	0.5	0.0000	0.0000	OK
360 minute summer	MH4	184	9.972	0.020	0.5	0.0000	0.0000	OK
360 minute summer	MH5	184	9.832	0.038	2.0	0.0109	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
360 minute summer	MH6	Infiltration		0.6			
360 minute summer	MH1	1.000	MH5	0.5	0.465	0.082	0.0113
360 minute summer	MH2	2.000	MH5	0.5	0.465	0.082	0.0115
360 minute summer	MH3	3.000	MH5	0.5	0.457	0.082	0.0027
360 minute summer	MH4	4.000	MH5	0.5	0.455	0.082	0.0017
360 minute summer	MH5	1.001	MH6	2.0	0.567	0.137	0.0161

**Results for 2 year +45% CC 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 (m ³)	Flood (m ³)	Status
360 minute winter	MH6	336	9.594	-0.169	2.2	11.5004	0.0000	OK
360 minute winter	MH1	168	9.967	0.015	0.3	0.0000	0.0000	OK
360 minute winter	MH2	168	9.967	0.015	0.3	0.0000	0.0000	OK
360 minute winter	MH3	168	9.968	0.016	0.3	0.0000	0.0000	OK
360 minute winter	MH4	168	9.968	0.016	0.3	0.0000	0.0000	OK
360 minute winter	MH5	168	9.824	0.030	1.2	0.0084	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
360 minute winter	MH6	Infiltration		0.6			
360 minute winter	MH1	1.000	MH5	0.3	0.401	0.050	0.0079
360 minute winter	MH2	2.000	MH5	0.3	0.401	0.050	0.0081
360 minute winter	MH3	3.000	MH5	0.3	0.396	0.050	0.0019
360 minute winter	MH4	4.000	MH5	0.3	0.395	0.050	0.0012
360 minute winter	MH5	1.001	MH6	1.2	0.493	0.083	0.0113

**Results for 2 year +45% CC 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 (m ³)	Flood (m ³)	Status
480 minute summer	MH6	376	9.586	-0.177	2.8	10.9639	0.0000	OK
480 minute summer	MH1	248	9.970	0.018	0.4	0.0000	0.0000	OK
480 minute summer	MH2	248	9.970	0.018	0.4	0.0000	0.0000	OK
480 minute summer	MH3	248	9.970	0.018	0.4	0.0000	0.0000	OK
480 minute summer	MH4	248	9.970	0.018	0.4	0.0000	0.0000	OK
480 minute summer	MH5	248	9.828	0.034	1.6	0.0098	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
480 minute summer	MH6	Infiltration		0.6			
480 minute summer	MH1	1.000	MH5	0.4	0.436	0.066	0.0097
480 minute summer	MH2	2.000	MH5	0.4	0.436	0.066	0.0099
480 minute summer	MH3	3.000	MH5	0.4	0.429	0.066	0.0023
480 minute summer	MH4	4.000	MH5	0.4	0.428	0.066	0.0015
480 minute summer	MH5	1.001	MH6	1.6	0.535	0.111	0.0139

**Results for 2 year +45% CC 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 (m ³)	Flood (m ³)	Status
480 minute winter	MH6	384	9.583	-0.180	2.0	10.7893	0.0000	OK
480 minute winter	MH1	240	9.967	0.015	0.3	0.0000	0.0000	OK
480 minute winter	MH2	240	9.967	0.015	0.3	0.0000	0.0000	OK
480 minute winter	MH3	240	9.968	0.016	0.3	0.0000	0.0000	OK
480 minute winter	MH4	240	9.968	0.016	0.3	0.0000	0.0000	OK
480 minute winter	MH5	240	9.824	0.030	1.2	0.0084	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
480 minute winter	MH6	Infiltration		0.6			
480 minute winter	MH1	1.000	MH5	0.3	0.401	0.050	0.0079
480 minute winter	MH2	2.000	MH5	0.3	0.401	0.050	0.0081
480 minute winter	MH3	3.000	MH5	0.3	0.396	0.050	0.0019
480 minute winter	MH4	4.000	MH5	0.3	0.395	0.050	0.0012
480 minute winter	MH5	1.001	MH6	1.2	0.493	0.083	0.0113

**Results for 2 year +45% CC 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 (m ³)	Flood (m ³)	Status
600 minute summer	MH6	435	9.587	-0.176	2.2	11.0133	0.0000	OK
600 minute summer	MH1	300	9.967	0.015	0.3	0.0000	0.0000	OK
600 minute summer	MH2	300	9.967	0.015	0.3	0.0000	0.0000	OK
600 minute summer	MH3	300	9.968	0.016	0.3	0.0000	0.0000	OK
600 minute summer	MH4	300	9.968	0.016	0.3	0.0000	0.0000	OK
600 minute summer	MH5	300	9.824	0.030	1.2	0.0084	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
600 minute summer	MH6	Infiltration		0.6			
600 minute summer	MH1	1.000	MH5	0.3	0.401	0.050	0.0079
600 minute summer	MH2	2.000	MH5	0.3	0.401	0.050	0.0081
600 minute summer	MH3	3.000	MH5	0.3	0.396	0.050	0.0019
600 minute summer	MH4	4.000	MH5	0.3	0.395	0.050	0.0012
600 minute summer	MH5	1.001	MH6	1.2	0.493	0.083	0.0113

**Results for 2 year +45% CC 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 (m ³)	Flood (m ³)	Status
600 minute winter	MH6	450	9.563	-0.200	1.5	9.4308	0.0000	OK
600 minute winter	MH1	270	9.965	0.013	0.2	0.0000	0.0000	OK
600 minute winter	MH2	270	9.965	0.013	0.2	0.0000	0.0000	OK
600 minute winter	MH3	270	9.965	0.013	0.2	0.0000	0.0000	OK
600 minute winter	MH4	270	9.965	0.013	0.2	0.0000	0.0000	OK
600 minute winter	MH5	270	9.818	0.024	0.8	0.0069	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
600 minute winter	MH6	Infiltration		0.6			
600 minute winter	MH1	1.000	MH5	0.2	0.355	0.033	0.0059
600 minute winter	MH2	2.000	MH5	0.2	0.355	0.033	0.0061
600 minute winter	MH3	3.000	MH5	0.2	0.351	0.033	0.0014
600 minute winter	MH4	4.000	MH5	0.2	0.351	0.033	0.0009
600 minute winter	MH5	1.001	MH6	0.8	0.438	0.055	0.0085

**Results for 2 year +45% CC 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 (m ³)	Flood (m ³)	Status
720 minute summer	MH6	510	9.575	-0.188	2.1	10.2380	0.0000	OK
720 minute summer	MH1	375	9.967	0.015	0.3	0.0000	0.0000	OK
720 minute summer	MH2	375	9.967	0.015	0.3	0.0000	0.0000	OK
720 minute summer	MH3	375	9.968	0.016	0.3	0.0000	0.0000	OK
720 minute summer	MH4	375	9.968	0.016	0.3	0.0000	0.0000	OK
720 minute summer	MH5	375	9.824	0.030	1.2	0.0084	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
720 minute summer	MH6	Infiltration		0.6			
720 minute summer	MH1	1.000	MH5	0.3	0.401	0.050	0.0079
720 minute summer	MH2	2.000	MH5	0.3	0.401	0.050	0.0081
720 minute summer	MH3	3.000	MH5	0.3	0.396	0.050	0.0019
720 minute summer	MH4	4.000	MH5	0.3	0.395	0.050	0.0012
720 minute summer	MH5	1.001	MH6	1.2	0.493	0.083	0.0113

**Results for 2 year +45% CC 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 (m ³)	Flood (m ³)	Status
720 minute winter	MH6	540	9.561	-0.202	1.4	9.3398	0.0000	OK
720 minute winter	MH1	330	9.965	0.013	0.2	0.0000	0.0000	OK
720 minute winter	MH2	330	9.965	0.013	0.2	0.0000	0.0000	OK
720 minute winter	MH3	330	9.965	0.013	0.2	0.0000	0.0000	OK
720 minute winter	MH4	330	9.965	0.013	0.2	0.0000	0.0000	OK
720 minute winter	MH5	330	9.818	0.024	0.8	0.0069	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
720 minute winter	MH6	Infiltration		0.6			
720 minute winter	MH1	1.000	MH5	0.2	0.355	0.033	0.0059
720 minute winter	MH2	2.000	MH5	0.2	0.355	0.033	0.0061
720 minute winter	MH3	3.000	MH5	0.2	0.351	0.033	0.0014
720 minute winter	MH4	4.000	MH5	0.2	0.351	0.033	0.0009
720 minute winter	MH5	1.001	MH6	0.8	0.438	0.055	0.0085

**Results for 2 year +45% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
960 minute summer	MH6	645	9.560	-0.203	1.5	9.2621	0.0000	OK
960 minute summer	MH1	450	9.965	0.013	0.2	0.0000	0.0000	OK
960 minute summer	MH2	450	9.965	0.013	0.2	0.0000	0.0000	OK
960 minute summer	MH3	450	9.965	0.013	0.2	0.0000	0.0000	OK
960 minute summer	MH4	450	9.965	0.013	0.2	0.0000	0.0000	OK
960 minute summer	MH5	450	9.818	0.024	0.8	0.0069	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
960 minute summer	MH6	Infiltration		0.6			
960 minute summer	MH1	1.000	MH5	0.2	0.355	0.033	0.0059
960 minute summer	MH2	2.000	MH5	0.2	0.355	0.033	0.0061
960 minute summer	MH3	3.000	MH5	0.2	0.351	0.033	0.0014
960 minute summer	MH4	4.000	MH5	0.2	0.351	0.033	0.0009
960 minute summer	MH5	1.001	MH6	0.8	0.438	0.055	0.0085

**Results for 2 year +45% CC 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 (m ³)	Flood (m ³)	Status
960 minute winter	MH6	690	9.523	-0.240	1.3	6.8563	0.0000	OK
960 minute winter	MH1	495	9.965	0.013	0.2	0.0000	0.0000	OK
960 minute winter	MH2	495	9.965	0.013	0.2	0.0000	0.0000	OK
960 minute winter	MH3	495	9.965	0.013	0.2	0.0000	0.0000	OK
960 minute winter	MH4	495	9.965	0.013	0.2	0.0000	0.0000	OK
960 minute winter	MH5	495	9.818	0.024	0.8	0.0069	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
960 minute winter	MH6	Infiltration		0.6			
960 minute winter	MH1	1.000	MH5	0.2	0.355	0.033	0.0059
960 minute winter	MH2	2.000	MH5	0.2	0.355	0.033	0.0061
960 minute winter	MH3	3.000	MH5	0.2	0.351	0.033	0.0014
960 minute winter	MH4	4.000	MH5	0.2	0.351	0.033	0.0009
960 minute winter	MH5	1.001	MH6	0.8	0.438	0.055	0.0085

**Results for 2 year +45% CC 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 (m ³)	Flood (m ³)	Status
1440 minute summer	MH6	900	9.527	-0.236	1.3	7.1156	0.0000	OK
1440 minute summer	MH1	750	9.965	0.013	0.2	0.0000	0.0000	OK
1440 minute summer	MH2	750	9.965	0.013	0.2	0.0000	0.0000	OK
1440 minute summer	MH3	750	9.965	0.013	0.2	0.0000	0.0000	OK
1440 minute summer	MH4	750	9.965	0.013	0.2	0.0000	0.0000	OK
1440 minute summer	MH5	750	9.818	0.024	0.8	0.0069	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
1440 minute summer	MH6	Infiltration		0.6			
1440 minute summer	MH1	1.000	MH5	0.2	0.355	0.033	0.0059
1440 minute summer	MH2	2.000	MH5	0.2	0.355	0.033	0.0061
1440 minute summer	MH3	3.000	MH5	0.2	0.351	0.033	0.0014
1440 minute summer	MH4	4.000	MH5	0.2	0.351	0.033	0.0009
1440 minute summer	MH5	1.001	MH6	0.8	0.438	0.055	0.0085

**Results for 2 year +45% CC 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 (m ³)	Flood (m ³)	Status
1440 minute winter	MH6	960	9.494	-0.269	0.7	4.9409	0.0000	OK
1440 minute winter	MH1	540	9.961	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	MH2	540	9.961	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	MH3	540	9.961	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	MH4	540	9.961	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	MH5	540	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
1440 minute winter	MH6	Infiltration		0.6			
1440 minute winter	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
1440 minute winter	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
1440 minute winter	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
1440 minute winter	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
1440 minute winter	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 2 year +45% CC 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 (m ³)	Flood (m ³)	Status
2160 minute summer	MH6	1320	9.500	-0.263	0.8	5.3423	0.0000	OK
2160 minute summer	MH1	960	9.961	0.009	0.1	0.0000	0.0000	OK
2160 minute summer	MH2	960	9.961	0.009	0.1	0.0000	0.0000	OK
2160 minute summer	MH3	960	9.961	0.009	0.1	0.0000	0.0000	OK
2160 minute summer	MH4	960	9.961	0.009	0.1	0.0000	0.0000	OK
2160 minute summer	MH5	960	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
2160 minute summer	MH6	Infiltration		0.6			
2160 minute summer	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
2160 minute summer	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
2160 minute summer	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
2160 minute summer	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
2160 minute summer	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 2 year +45% CC 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 (m ³)	Flood (m ³)	Status
2160 minute winter	MH6	1380	9.484	-0.279	0.7	4.2844	0.0000	OK
2160 minute winter	MH1	900	9.961	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH2	900	9.961	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH3	900	9.961	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH4	900	9.961	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH5	900	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
2160 minute winter	MH6	Infiltration		0.6			
2160 minute winter	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
2160 minute winter	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
2160 minute winter	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
2160 minute winter	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
2160 minute winter	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 2 year +45% CC 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 (m ³)	Flood (m ³)	Status
2880 minute summer	MH6	1680	9.489	-0.274	0.7	4.6300	0.0000	OK
2880 minute summer	MH1	1320	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	MH2	1320	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	MH3	1320	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	MH4	1320	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	MH5	1320	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
2880 minute summer	MH6	Infiltration		0.6			
2880 minute summer	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
2880 minute summer	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
2880 minute summer	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
2880 minute summer	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
2880 minute summer	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 2 year +45% CC 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 (m ³)	Flood (m ³)	Status
2880 minute winter	MH6	1740	9.474	-0.289	0.6	3.6002	0.0000	OK
2880 minute winter	MH1	1260	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH2	1260	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH3	1260	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH4	1260	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH5	1260	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
2880 minute winter	MH6	Infiltration		0.6			
2880 minute winter	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
2880 minute winter	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
2880 minute winter	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
2880 minute winter	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
2880 minute winter	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 2 year +45% 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 (m ³)	Flood (m ³)	Status
4320 minute summer	MH6	2400	9.472	-0.291	0.6	3.4674	0.0000	OK
4320 minute summer	MH1	2040	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH2	2040	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH3	2040	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH4	2040	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH5	2040	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
4320 minute summer	MH6	Infiltration		0.6			
4320 minute summer	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
4320 minute summer	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
4320 minute summer	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
4320 minute summer	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
4320 minute summer	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 2 year +45% 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 (m ³)	Flood (m ³)	Status
4320 minute winter	MH6	2280	9.466	-0.297	0.6	3.1107	0.0000	OK
4320 minute winter	MH1	2160	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH2	2160	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH3	2160	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH4	2160	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH5	2160	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
4320 minute winter	MH6	Infiltration		0.5			
4320 minute winter	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
4320 minute winter	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
4320 minute winter	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
4320 minute winter	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
4320 minute winter	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 2 year +45% 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 (m ³)	Flood (m ³)	Status
5760 minute summer	MH6	3120	9.472	-0.291	0.6	3.4565	0.0000	OK
5760 minute summer	MH1	2760	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH2	2760	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH3	2760	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH4	2760	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH5	2760	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
5760 minute summer	MH6	Infiltration		0.6			
5760 minute summer	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
5760 minute summer	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
5760 minute summer	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
5760 minute summer	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
5760 minute summer	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 2 year +45% 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	MH6	3000	9.428	-0.335	0.1	0.5664	0.0000	OK
5760 minute winter	MH1	60	9.952	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH2	60	9.952	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH3	60	9.952	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH4	60	9.952	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH5	60	9.794	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
5760 minute winter	MH6	Infiltration		0.1			
5760 minute winter	MH1	1.000	MH5	0.0	0.000	0.000	0.0000
5760 minute winter	MH2	2.000	MH5	0.0	0.000	0.000	0.0000
5760 minute winter	MH3	3.000	MH5	0.0	0.000	0.000	0.0000
5760 minute winter	MH4	4.000	MH5	0.0	0.000	0.000	0.0000
5760 minute winter	MH5	1.001	MH6	0.0	0.000	0.000	0.0000

**Results for 2 year +45% 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 (m ³)	Flood (m ³)	Status
7200 minute summer	MH6	3780	9.470	-0.293	0.6	3.3235	0.0000	OK
7200 minute summer	MH1	3540	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH2	3540	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH3	3540	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH4	3540	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH5	3540	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
7200 minute summer	MH6	Infiltration		0.6			
7200 minute summer	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
7200 minute summer	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
7200 minute summer	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
7200 minute summer	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
7200 minute summer	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 2 year +45% 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 (m ³)	Flood (m ³)	Status
7200 minute winter	MH6	3540	9.428	-0.335	0.1	0.5664	0.0000	OK
7200 minute winter	MH1	60	9.952	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH2	60	9.952	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH3	60	9.952	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH4	60	9.952	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH5	60	9.794	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
7200 minute winter	MH6	Infiltration		0.1			
7200 minute winter	MH1	1.000	MH5	0.0	0.000	0.000	0.0000
7200 minute winter	MH2	2.000	MH5	0.0	0.000	0.000	0.0000
7200 minute winter	MH3	3.000	MH5	0.0	0.000	0.000	0.0000
7200 minute winter	MH4	4.000	MH5	0.0	0.000	0.000	0.0000
7200 minute winter	MH5	1.001	MH6	0.0	0.000	0.000	0.0000

**Results for 2 year +45% 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 (m ³)	Flood (m ³)	Status
8640 minute summer	MH6	4440	9.466	-0.297	0.6	3.1107	0.0000	OK
8640 minute summer	MH1	4320	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH2	4320	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH3	4320	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH4	4320	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH5	4320	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
8640 minute summer	MH6	Infiltration		0.5			
8640 minute summer	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
8640 minute summer	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
8640 minute summer	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
8640 minute summer	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
8640 minute summer	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 2 year +45% 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 (m ³)	Flood (m ³)	Status
8640 minute winter	MH6	4080	9.428	-0.335	0.1	0.5664	0.0000	OK
8640 minute winter	MH1	60	9.952	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH2	60	9.952	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH3	60	9.952	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH4	60	9.952	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH5	60	9.794	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
8640 minute winter	MH6	Infiltration		0.1			
8640 minute winter	MH1	1.000	MH5	0.0	0.000	0.000	0.0000
8640 minute winter	MH2	2.000	MH5	0.0	0.000	0.000	0.0000
8640 minute winter	MH3	3.000	MH5	0.0	0.000	0.000	0.0000
8640 minute winter	MH4	4.000	MH5	0.0	0.000	0.000	0.0000
8640 minute winter	MH5	1.001	MH6	0.0	0.000	0.000	0.0000



Results for 2 year +45% 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	MH6	5160	9.466	-0.297	0.6	3.0815	0.0000	OK
10080 minute summer	MH1	5040	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH2	5040	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH3	5040	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH4	5040	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH5	5040	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
10080 minute summer	MH6	Infiltration		0.5			
10080 minute summer	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
10080 minute summer	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
10080 minute summer	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
10080 minute summer	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
10080 minute summer	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 2 year +45% CC 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
10080 minute winter	MH6	4680	9.428	-0.335	0.1	0.5664	0.0000	OK
10080 minute winter	MH1	60	9.952	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH2	60	9.952	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH3	60	9.952	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH4	60	9.952	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH5	60	9.794	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
10080 minute winter	MH6	Infiltration		0.1			
10080 minute winter	MH1	1.000	MH5	0.0	0.000	0.000	0.0000
10080 minute winter	MH2	2.000	MH5	0.0	0.000	0.000	0.0000
10080 minute winter	MH3	3.000	MH5	0.0	0.000	0.000	0.0000
10080 minute winter	MH4	4.000	MH5	0.0	0.000	0.000	0.0000
10080 minute winter	MH5	1.001	MH6	0.0	0.000	0.000	0.0000

**Results for 10 year +45% CC 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 (m ³)	Flood (m ³)	Status
15 minute summer	MH6	20	9.585	-0.178	26.1	10.9107	0.0000	OK
15 minute summer	MH1	10	10.008	0.056	3.7	0.0000	0.0000	OK
15 minute summer	MH2	10	10.008	0.056	3.7	0.0000	0.0000	OK
15 minute summer	MH3	10	10.012	0.060	3.7	0.0000	0.0000	OK
15 minute summer	MH4	10	10.013	0.061	3.7	0.0000	0.0000	OK
15 minute summer	MH5	10	9.920	0.126	14.7	0.0356	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
15 minute summer	MH6	Infiltration		0.6			
15 minute summer	MH1	1.000	MH5	3.7	0.733	0.609	0.0567
15 minute summer	MH2	2.000	MH5	3.7	0.715	0.607	0.0587
15 minute summer	MH3	3.000	MH5	3.7	0.775	0.607	0.0119
15 minute summer	MH4	4.000	MH5	3.7	0.773	0.607	0.0075
15 minute summer	MH5	1.001	MH6	14.5	0.969	1.003	0.0691

**Results for 10 year +45% CC 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 (m ³)	Flood (m ³)	Status
15 minute winter	MH6	20	9.585	-0.178	24.6	10.9282	0.0000	OK
15 minute winter	MH1	10	10.007	0.055	3.5	0.0000	0.0000	OK
15 minute winter	MH2	10	10.006	0.054	3.5	0.0000	0.0000	OK
15 minute winter	MH3	10	10.010	0.058	3.5	0.0000	0.0000	OK
15 minute winter	MH4	10	10.011	0.059	3.5	0.0000	0.0000	OK
15 minute winter	MH5	10	9.915	0.121	13.9	0.0341	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
15 minute winter	MH6	Infiltration		0.6			
15 minute winter	MH1	1.000	MH5	3.5	0.728	0.575	0.0534
15 minute winter	MH2	2.000	MH5	3.5	0.718	0.576	0.0552
15 minute winter	MH3	3.000	MH5	3.5	0.765	0.573	0.0114
15 minute winter	MH4	4.000	MH5	3.5	0.763	0.573	0.0072
15 minute winter	MH5	1.001	MH6	13.7	0.950	0.949	0.0668

**Results for 10 year +45% CC 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 (m ³)	Flood (m ³)	Status
30 minute summer	MH6	35	9.636	-0.127	24.2	14.2759	0.0000	OK
30 minute summer	MH1	17	10.006	0.054	3.4	0.0000	0.0000	OK
30 minute summer	MH2	17	10.006	0.054	3.4	0.0000	0.0000	OK
30 minute summer	MH3	18	10.009	0.057	3.4	0.0000	0.0000	OK
30 minute summer	MH4	18	10.010	0.058	3.4	0.0000	0.0000	OK
30 minute summer	MH5	18	9.914	0.120	13.6	0.0338	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
30 minute summer	MH6	Infiltration		0.6			
30 minute summer	MH1	1.000	MH5	3.4	0.714	0.563	0.0525
30 minute summer	MH2	2.000	MH5	3.4	0.706	0.563	0.0542
30 minute summer	MH3	3.000	MH5	3.4	0.763	0.563	0.0112
30 minute summer	MH4	4.000	MH5	3.4	0.760	0.563	0.0071
30 minute summer	MH5	1.001	MH6	13.6	0.948	0.941	0.0663

**Results for 10 year +45% CC 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 (m ³)	Flood (m ³)	Status
30 minute winter	MH6	34	9.636	-0.127	19.3	14.2393	0.0000	OK
30 minute winter	MH1	18	9.999	0.047	2.7	0.0000	0.0000	OK
30 minute winter	MH2	18	9.999	0.047	2.7	0.0000	0.0000	OK
30 minute winter	MH3	18	10.002	0.050	2.7	0.0000	0.0000	OK
30 minute winter	MH4	18	10.002	0.050	2.7	0.0000	0.0000	OK
30 minute winter	MH5	18	9.896	0.102	10.8	0.0288	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
30 minute winter	MH6	Infiltration		0.6			
30 minute winter	MH1	1.000	MH5	2.7	0.729	0.447	0.0399
30 minute winter	MH2	2.000	MH5	2.7	0.718	0.447	0.0417
30 minute winter	MH3	3.000	MH5	2.7	0.722	0.447	0.0094
30 minute winter	MH4	4.000	MH5	2.7	0.718	0.447	0.0060
30 minute winter	MH5	1.001	MH6	10.8	0.877	0.747	0.0570



Results for 10 year +45% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	MH6	64	9.682	-0.081	17.9	17.3053	0.0000	OK
60 minute summer	MH1	33	9.998	0.046	2.5	0.0000	0.0000	OK
60 minute summer	MH2	33	9.997	0.045	2.5	0.0000	0.0000	OK
60 minute summer	MH3	33	9.999	0.047	2.5	0.0000	0.0000	OK
60 minute summer	MH4	33	10.000	0.048	2.5	0.0000	0.0000	OK
60 minute summer	MH5	33	9.890	0.096	10.0	0.0273	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
60 minute summer	MH6	Infiltration		0.6			
60 minute summer	MH1	1.000	MH5	2.5	0.728	0.414	0.0362
60 minute summer	MH2	2.000	MH5	2.5	0.717	0.414	0.0378
60 minute summer	MH3	3.000	MH5	2.5	0.708	0.414	0.0089
60 minute summer	MH4	4.000	MH5	2.5	0.705	0.414	0.0056
60 minute summer	MH5	1.001	MH6	10.0	0.864	0.692	0.0536

**Results for 10 year +45% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
60 minute winter	MH6	63	9.682	-0.081	12.9	17.2848	0.0000	OK
60 minute winter	MH1	32	9.990	0.038	1.8	0.0000	0.0000	OK
60 minute winter	MH2	32	9.990	0.038	1.8	0.0000	0.0000	OK
60 minute winter	MH3	33	9.991	0.039	1.8	0.0000	0.0000	OK
60 minute winter	MH4	33	9.992	0.040	1.8	0.0000	0.0000	OK
60 minute winter	MH5	33	9.872	0.078	7.2	0.0221	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
60 minute winter	MH6	Infiltration		0.6			
60 minute winter	MH1	1.000	MH5	1.8	0.668	0.298	0.0284
60 minute winter	MH2	2.000	MH5	1.8	0.668	0.298	0.0290
60 minute winter	MH3	3.000	MH5	1.8	0.651	0.298	0.0070
60 minute winter	MH4	4.000	MH5	1.8	0.648	0.298	0.0044
60 minute winter	MH5	1.001	MH6	7.2	0.801	0.498	0.0416

**Results for 10 year +45% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
120 minute summer	MH6	124	9.734	-0.029	12.1	20.6843	0.0000	OK
120 minute summer	MH1	64	9.989	0.037	1.7	0.0000	0.0000	OK
120 minute summer	MH2	64	9.989	0.037	1.7	0.0000	0.0000	OK
120 minute summer	MH3	64	9.990	0.038	1.7	0.0000	0.0000	OK
120 minute summer	MH4	64	9.991	0.039	1.7	0.0000	0.0000	OK
120 minute summer	MH5	64	9.869	0.075	6.8	0.0214	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
120 minute summer	MH6	Infiltration		0.6			
120 minute summer	MH1	1.000	MH5	1.7	0.658	0.282	0.0273
120 minute summer	MH2	2.000	MH5	1.7	0.658	0.282	0.0278
120 minute summer	MH3	3.000	MH5	1.7	0.641	0.282	0.0067
120 minute summer	MH4	4.000	MH5	1.7	0.638	0.282	0.0042
120 minute summer	MH5	1.001	MH6	6.8	0.790	0.470	0.0399

**Results for 10 year +45% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
120 minute winter	MH6	120	9.733	-0.030	8.5	20.6525	0.0000	OK
120 minute winter	MH1	64	9.983	0.031	1.2	0.0000	0.0000	OK
120 minute winter	MH2	64	9.983	0.031	1.2	0.0000	0.0000	OK
120 minute winter	MH3	64	9.984	0.032	1.2	0.0000	0.0000	OK
120 minute winter	MH4	64	9.984	0.032	1.2	0.0000	0.0000	OK
120 minute winter	MH5	64	9.856	0.062	4.8	0.0175	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
120 minute winter	MH6	Infiltration		0.6			
120 minute winter	MH1	1.000	MH5	1.2	0.598	0.199	0.0212
120 minute winter	MH2	2.000	MH5	1.2	0.598	0.199	0.0216
120 minute winter	MH3	3.000	MH5	1.2	0.584	0.199	0.0052
120 minute winter	MH4	4.000	MH5	1.2	0.581	0.199	0.0033
120 minute winter	MH5	1.001	MH6	4.8	0.722	0.332	0.0308

**Results for 10 year +45% CC 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 (m ³)	Flood (m ³)	Status
180 minute summer	MH6	184	9.752	-0.011	9.2	21.8903	0.0000	OK
180 minute summer	MH1	96	9.984	0.032	1.3	0.0000	0.0000	OK
180 minute summer	MH2	96	9.984	0.032	1.3	0.0000	0.0000	OK
180 minute summer	MH3	96	9.985	0.033	1.3	0.0000	0.0000	OK
180 minute summer	MH4	96	9.985	0.033	1.3	0.0000	0.0000	OK
180 minute summer	MH5	96	9.859	0.065	5.2	0.0183	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
180 minute summer	MH6	Infiltration		0.6			
180 minute summer	MH1	1.000	MH5	1.3	0.611	0.215	0.0225
180 minute summer	MH2	2.000	MH5	1.3	0.611	0.215	0.0229
180 minute summer	MH3	3.000	MH5	1.3	0.597	0.215	0.0055
180 minute summer	MH4	4.000	MH5	1.3	0.594	0.215	0.0035
180 minute summer	MH5	1.001	MH6	5.2	0.738	0.360	0.0326

**Results for 10 year +45% CC 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	MH6	180	9.755	-0.008	6.3	22.0796	0.0000	OK
180 minute winter	MH1	96	9.978	0.026	0.9	0.0000	0.0000	OK
180 minute winter	MH2	96	9.978	0.026	0.9	0.0000	0.0000	OK
180 minute winter	MH3	96	9.979	0.027	0.9	0.0000	0.0000	OK
180 minute winter	MH4	96	9.979	0.027	0.9	0.0000	0.0000	OK
180 minute winter	MH5	96	9.847	0.053	3.6	0.0149	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute winter	MH6	Infiltration		0.6			
180 minute winter	MH1	1.000	MH5	0.9	0.552	0.149	0.0172
180 minute winter	MH2	2.000	MH5	0.9	0.552	0.149	0.0176
180 minute winter	MH3	3.000	MH5	0.9	0.540	0.149	0.0042
180 minute winter	MH4	4.000	MH5	0.9	0.538	0.149	0.0027
180 minute winter	MH5	1.001	MH6	3.6	0.669	0.249	0.0249

**Results for 10 year +45% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
240 minute summer	MH6	240	9.753	-0.010	7.8	21.9513	0.0000	OK
240 minute summer	MH1	124	9.981	0.029	1.1	0.0000	0.0000	OK
240 minute summer	MH2	124	9.981	0.029	1.1	0.0000	0.0000	OK
240 minute summer	MH3	124	9.982	0.030	1.1	0.0000	0.0000	OK
240 minute summer	MH4	124	9.982	0.030	1.1	0.0000	0.0000	OK
240 minute summer	MH5	124	9.853	0.059	4.4	0.0166	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
240 minute summer	MH6	Infiltration		0.6			
240 minute summer	MH1	1.000	MH5	1.1	0.583	0.181	0.0198
240 minute summer	MH2	2.000	MH5	1.1	0.583	0.181	0.0202
240 minute summer	MH3	3.000	MH5	1.1	0.569	0.181	0.0048
240 minute summer	MH4	4.000	MH5	1.1	0.567	0.181	0.0031
240 minute summer	MH5	1.001	MH6	4.4	0.704	0.302	0.0287

**Results for 10 year +45% CC 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 (m ³)	Flood (m ³)	Status
240 minute winter	MH6	236	9.753	-0.010	5.0	21.9659	0.0000	OK
240 minute winter	MH1	120	9.975	0.023	0.7	0.0000	0.0000	OK
240 minute winter	MH2	120	9.975	0.023	0.7	0.0000	0.0000	OK
240 minute winter	MH3	120	9.976	0.024	0.7	0.0000	0.0000	OK
240 minute winter	MH4	120	9.976	0.024	0.7	0.0000	0.0000	OK
240 minute winter	MH5	120	9.840	0.046	2.8	0.0130	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
240 minute winter	MH6	Infiltration		0.6			
240 minute winter	MH1	1.000	MH5	0.7	0.514	0.116	0.0144
240 minute winter	MH2	2.000	MH5	0.7	0.513	0.116	0.0147
240 minute winter	MH3	3.000	MH5	0.7	0.503	0.116	0.0035
240 minute winter	MH4	4.000	MH5	0.7	0.502	0.116	0.0022
240 minute winter	MH5	1.001	MH6	2.8	0.625	0.194	0.0207

**Results for 10 year +45% CC 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 (m ³)	Flood (m ³)	Status
360 minute summer	MH6	360	9.759	-0.004	5.7	22.3318	0.0000	OK
360 minute summer	MH1	184	9.977	0.025	0.8	0.0000	0.0000	OK
360 minute summer	MH2	184	9.977	0.025	0.8	0.0000	0.0000	OK
360 minute summer	MH3	184	9.977	0.025	0.8	0.0000	0.0000	OK
360 minute summer	MH4	184	9.978	0.026	0.8	0.0000	0.0000	OK
360 minute summer	MH5	184	9.843	0.049	3.2	0.0140	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
360 minute summer	MH6	Infiltration		0.6			
360 minute summer	MH1	1.000	MH5	0.8	0.533	0.132	0.0158
360 minute summer	MH2	2.000	MH5	0.8	0.533	0.132	0.0161
360 minute summer	MH3	3.000	MH5	0.8	0.522	0.132	0.0038
360 minute summer	MH4	4.000	MH5	0.8	0.520	0.132	0.0024
360 minute summer	MH5	1.001	MH6	3.2	0.647	0.220	0.0228

**Results for 10 year +45% CC 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 (m ³)	Flood (m ³)	Status
360 minute winter	MH6	352	9.756	-0.007	3.6	22.1616	0.0000	OK
360 minute winter	MH1	176	9.972	0.020	0.5	0.0000	0.0000	OK
360 minute winter	MH2	176	9.972	0.020	0.5	0.0000	0.0000	OK
360 minute winter	MH3	176	9.972	0.020	0.5	0.0000	0.0000	OK
360 minute winter	MH4	176	9.972	0.020	0.5	0.0000	0.0000	OK
360 minute winter	MH5	176	9.833	0.039	2.0	0.0109	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
360 minute winter	MH6	Infiltration		0.6			
360 minute winter	MH1	1.000	MH5	0.5	0.466	0.083	0.0113
360 minute winter	MH2	2.000	MH5	0.5	0.466	0.083	0.0116
360 minute winter	MH3	3.000	MH5	0.5	0.458	0.083	0.0027
360 minute winter	MH4	4.000	MH5	0.5	0.457	0.083	0.0017
360 minute winter	MH5	1.001	MH6	2.0	0.569	0.138	0.0163



Results for 10 year +45% CC 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	MH6	480	9.741	-0.022	4.4	21.1798	0.0000	OK
480 minute summer	MH1	248	9.973	0.021	0.6	0.0000	0.0000	OK
480 minute summer	MH2	248	9.973	0.021	0.6	0.0000	0.0000	OK
480 minute summer	MH3	248	9.974	0.022	0.6	0.0000	0.0000	OK
480 minute summer	MH4	248	9.974	0.022	0.6	0.0000	0.0000	OK
480 minute summer	MH5	248	9.836	0.042	2.4	0.0120	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
480 minute summer	MH6	Infiltration		0.6			
480 minute summer	MH1	1.000	MH5	0.6	0.491	0.099	0.0129
480 minute summer	MH2	2.000	MH5	0.6	0.491	0.099	0.0131
480 minute summer	MH3	3.000	MH5	0.6	0.482	0.099	0.0031
480 minute summer	MH4	4.000	MH5	0.6	0.481	0.099	0.0020
480 minute summer	MH5	1.001	MH6	2.4	0.599	0.166	0.0185

**Results for 10 year +45% CC 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 (m ³)	Flood (m ³)	Status
480 minute winter	MH6	456	9.741	-0.022	2.9	21.1323	0.0000	OK
480 minute winter	MH1	224	9.970	0.018	0.4	0.0000	0.0000	OK
480 minute winter	MH2	224	9.970	0.018	0.4	0.0000	0.0000	OK
480 minute winter	MH3	224	9.970	0.018	0.4	0.0000	0.0000	OK
480 minute winter	MH4	224	9.970	0.018	0.4	0.0000	0.0000	OK
480 minute winter	MH5	224	9.828	0.034	1.6	0.0098	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
480 minute winter	MH6	Infiltration		0.6			
480 minute winter	MH1	1.000	MH5	0.4	0.436	0.066	0.0097
480 minute winter	MH2	2.000	MH5	0.4	0.436	0.066	0.0099
480 minute winter	MH3	3.000	MH5	0.4	0.429	0.066	0.0023
480 minute winter	MH4	4.000	MH5	0.4	0.428	0.066	0.0015
480 minute winter	MH5	1.001	MH6	1.6	0.535	0.111	0.0139

**Results for 10 year +45% CC 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 (m ³)	Flood (m ³)	Status
600 minute summer	MH6	540	9.735	-0.028	3.6	20.7490	0.0000	OK
600 minute summer	MH1	315	9.972	0.020	0.5	0.0000	0.0000	OK
600 minute summer	MH2	315	9.972	0.020	0.5	0.0000	0.0000	OK
600 minute summer	MH3	315	9.972	0.020	0.5	0.0000	0.0000	OK
600 minute summer	MH4	315	9.972	0.020	0.5	0.0000	0.0000	OK
600 minute summer	MH5	315	9.833	0.039	2.0	0.0109	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
600 minute summer	MH6	Infiltration		0.6			
600 minute summer	MH1	1.000	MH5	0.5	0.466	0.083	0.0113
600 minute summer	MH2	2.000	MH5	0.5	0.466	0.083	0.0116
600 minute summer	MH3	3.000	MH5	0.5	0.458	0.083	0.0027
600 minute summer	MH4	4.000	MH5	0.5	0.457	0.083	0.0017
600 minute summer	MH5	1.001	MH6	2.0	0.569	0.138	0.0163

**Results for 10 year +45% CC 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 (m ³)	Flood (m ³)	Status
600 minute winter	MH6	570	9.717	-0.046	2.3	19.5497	0.0000	OK
600 minute winter	MH1	270	9.967	0.015	0.3	0.0000	0.0000	OK
600 minute winter	MH2	270	9.967	0.015	0.3	0.0000	0.0000	OK
600 minute winter	MH3	270	9.968	0.016	0.3	0.0000	0.0000	OK
600 minute winter	MH4	270	9.968	0.016	0.3	0.0000	0.0000	OK
600 minute winter	MH5	270	9.824	0.030	1.2	0.0084	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
600 minute winter	MH6	Infiltration		0.6			
600 minute winter	MH1	1.000	MH5	0.3	0.401	0.050	0.0079
600 minute winter	MH2	2.000	MH5	0.3	0.401	0.050	0.0081
600 minute winter	MH3	3.000	MH5	0.3	0.396	0.050	0.0019
600 minute winter	MH4	4.000	MH5	0.3	0.395	0.050	0.0012
600 minute winter	MH5	1.001	MH6	1.2	0.493	0.083	0.0113

**Results for 10 year +45% CC 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 (m ³)	Flood (m ³)	Status
720 minute summer	MH6	600	9.727	-0.036	3.0	20.2174	0.0000	OK
720 minute summer	MH1	360	9.970	0.018	0.4	0.0000	0.0000	OK
720 minute summer	MH2	360	9.970	0.018	0.4	0.0000	0.0000	OK
720 minute summer	MH3	360	9.970	0.018	0.4	0.0000	0.0000	OK
720 minute summer	MH4	360	9.970	0.018	0.4	0.0000	0.0000	OK
720 minute summer	MH5	360	9.828	0.034	1.6	0.0098	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
720 minute summer	MH6	Infiltration		0.6			
720 minute summer	MH1	1.000	MH5	0.4	0.436	0.066	0.0097
720 minute summer	MH2	2.000	MH5	0.4	0.436	0.066	0.0099
720 minute summer	MH3	3.000	MH5	0.4	0.429	0.066	0.0023
720 minute summer	MH4	4.000	MH5	0.4	0.428	0.066	0.0015
720 minute summer	MH5	1.001	MH6	1.6	0.535	0.111	0.0139

**Results for 10 year +45% CC 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 (m ³)	Flood (m ³)	Status
720 minute winter	MH6	660	9.716	-0.047	2.1	19.5222	0.0000	OK
720 minute winter	MH1	345	9.967	0.015	0.3	0.0000	0.0000	OK
720 minute winter	MH2	345	9.967	0.015	0.3	0.0000	0.0000	OK
720 minute winter	MH3	345	9.968	0.016	0.3	0.0000	0.0000	OK
720 minute winter	MH4	345	9.968	0.016	0.3	0.0000	0.0000	OK
720 minute winter	MH5	345	9.824	0.030	1.2	0.0084	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
720 minute winter	MH6	Infiltration		0.6			
720 minute winter	MH1	1.000	MH5	0.3	0.401	0.050	0.0079
720 minute winter	MH2	2.000	MH5	0.3	0.401	0.050	0.0081
720 minute winter	MH3	3.000	MH5	0.3	0.396	0.050	0.0019
720 minute winter	MH4	4.000	MH5	0.3	0.395	0.050	0.0012
720 minute winter	MH5	1.001	MH6	1.2	0.493	0.083	0.0113

**Results for 10 year +45% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
960 minute summer	MH6	720	9.690	-0.073	2.7	17.8354	0.0000	OK
960 minute summer	MH1	495	9.970	0.018	0.4	0.0000	0.0000	OK
960 minute summer	MH2	495	9.970	0.018	0.4	0.0000	0.0000	OK
960 minute summer	MH3	495	9.970	0.018	0.4	0.0000	0.0000	OK
960 minute summer	MH4	495	9.970	0.018	0.4	0.0000	0.0000	OK
960 minute summer	MH5	495	9.828	0.034	1.6	0.0098	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
960 minute summer	MH6	Infiltration		0.6			
960 minute summer	MH1	1.000	MH5	0.4	0.436	0.066	0.0097
960 minute summer	MH2	2.000	MH5	0.4	0.436	0.066	0.0099
960 minute summer	MH3	3.000	MH5	0.4	0.429	0.066	0.0023
960 minute summer	MH4	4.000	MH5	0.4	0.428	0.066	0.0015
960 minute summer	MH5	1.001	MH6	1.6	0.535	0.111	0.0139

**Results for 10 year +45% CC 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	MH6	750	9.668	-0.095	1.5	16.3778	0.0000	OK
960 minute winter	MH1	390	9.965	0.013	0.2	0.0000	0.0000	OK
960 minute winter	MH2	390	9.965	0.013	0.2	0.0000	0.0000	OK
960 minute winter	MH3	390	9.965	0.013	0.2	0.0000	0.0000	OK
960 minute winter	MH4	390	9.965	0.013	0.2	0.0000	0.0000	OK
960 minute winter	MH5	390	9.818	0.024	0.8	0.0069	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute winter	MH6	Infiltration		0.6			
960 minute winter	MH1	1.000	MH5	0.2	0.355	0.033	0.0059
960 minute winter	MH2	2.000	MH5	0.2	0.355	0.033	0.0061
960 minute winter	MH3	3.000	MH5	0.2	0.351	0.033	0.0014
960 minute winter	MH4	4.000	MH5	0.2	0.351	0.033	0.0009
960 minute winter	MH5	1.001	MH6	0.8	0.438	0.055	0.0085

**Results for 10 year +45% CC 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 (m ³)	Flood (m ³)	Status
1440 minute summer	MH6	990	9.637	-0.126	1.6	14.2950	0.0000	OK
1440 minute summer	MH1	690	9.965	0.013	0.2	0.0000	0.0000	OK
1440 minute summer	MH2	690	9.965	0.013	0.2	0.0000	0.0000	OK
1440 minute summer	MH3	690	9.965	0.013	0.2	0.0000	0.0000	OK
1440 minute summer	MH4	690	9.965	0.013	0.2	0.0000	0.0000	OK
1440 minute summer	MH5	690	9.818	0.024	0.8	0.0069	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
1440 minute summer	MH6	Infiltration		0.6			
1440 minute summer	MH1	1.000	MH5	0.2	0.355	0.033	0.0059
1440 minute summer	MH2	2.000	MH5	0.2	0.355	0.033	0.0061
1440 minute summer	MH3	3.000	MH5	0.2	0.351	0.033	0.0014
1440 minute summer	MH4	4.000	MH5	0.2	0.351	0.033	0.0009
1440 minute summer	MH5	1.001	MH6	0.8	0.438	0.055	0.0085

**Results for 10 year +45% CC 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	MH6	1050	9.628	-0.135	1.3	13.7583	0.0000	OK
1440 minute winter	MH1	690	9.965	0.013	0.2	0.0000	0.0000	OK
1440 minute winter	MH2	690	9.965	0.013	0.2	0.0000	0.0000	OK
1440 minute winter	MH3	690	9.965	0.013	0.2	0.0000	0.0000	OK
1440 minute winter	MH4	690	9.965	0.013	0.2	0.0000	0.0000	OK
1440 minute winter	MH5	690	9.818	0.024	0.8	0.0069	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute winter	MH6	Infiltration		0.6			
1440 minute winter	MH1	1.000	MH5	0.2	0.355	0.033	0.0059
1440 minute winter	MH2	2.000	MH5	0.2	0.355	0.033	0.0061
1440 minute winter	MH3	3.000	MH5	0.2	0.351	0.033	0.0014
1440 minute winter	MH4	4.000	MH5	0.2	0.351	0.033	0.0009
1440 minute winter	MH5	1.001	MH6	0.8	0.438	0.055	0.0085

**Results for 10 year +45% CC 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 (m ³)	Flood (m ³)	Status
2160 minute summer	MH6	1380	9.598	-0.165	1.4	11.7605	0.0000	OK
2160 minute summer	MH1	1140	9.965	0.013	0.2	0.0000	0.0000	OK
2160 minute summer	MH2	1140	9.965	0.013	0.2	0.0000	0.0000	OK
2160 minute summer	MH3	1140	9.965	0.013	0.2	0.0000	0.0000	OK
2160 minute summer	MH4	1140	9.965	0.013	0.2	0.0000	0.0000	OK
2160 minute summer	MH5	1140	9.818	0.024	0.8	0.0069	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
2160 minute summer	MH6	Infiltration		0.6			
2160 minute summer	MH1	1.000	MH5	0.2	0.355	0.033	0.0059
2160 minute summer	MH2	2.000	MH5	0.2	0.355	0.033	0.0061
2160 minute summer	MH3	3.000	MH5	0.2	0.351	0.033	0.0014
2160 minute summer	MH4	4.000	MH5	0.2	0.351	0.033	0.0009
2160 minute summer	MH5	1.001	MH6	0.8	0.438	0.055	0.0085

**Results for 10 year +45% CC 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 (m ³)	Flood (m ³)	Status
2160 minute winter	MH6	1500	9.542	-0.221	0.8	8.0908	0.0000	OK
2160 minute winter	MH1	780	9.961	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH2	780	9.961	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH3	780	9.961	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH4	780	9.961	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH5	780	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
2160 minute winter	MH6	Infiltration		0.6			
2160 minute winter	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
2160 minute winter	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
2160 minute winter	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
2160 minute winter	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
2160 minute winter	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 10 year +45% CC 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 (m ³)	Flood (m ³)	Status
2880 minute summer	MH6	1800	9.549	-0.214	0.9	8.5189	0.0000	OK
2880 minute summer	MH1	1200	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	MH2	1200	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	MH3	1200	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	MH4	1200	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	MH5	1200	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
2880 minute summer	MH6	Infiltration		0.6			
2880 minute summer	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
2880 minute summer	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
2880 minute summer	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
2880 minute summer	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
2880 minute summer	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 10 year +45% CC 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 (m ³)	Flood (m ³)	Status
2880 minute winter	MH6	1860	9.521	-0.242	0.7	6.6785	0.0000	OK
2880 minute winter	MH1	1140	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH2	1140	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH3	1140	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH4	1140	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH5	1140	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
2880 minute winter	MH6	Infiltration		0.6			
2880 minute winter	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
2880 minute winter	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
2880 minute winter	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
2880 minute winter	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
2880 minute winter	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 10 year +45% 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 (m ³)	Flood (m ³)	Status
4320 minute summer	MH6	2580	9.521	-0.242	0.8	6.7333	0.0000	OK
4320 minute summer	MH1	1860	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH2	1860	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH3	1860	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH4	1860	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH5	1860	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
4320 minute summer	MH6	Infiltration		0.6			
4320 minute summer	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
4320 minute summer	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
4320 minute summer	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
4320 minute summer	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
4320 minute summer	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 10 year +45% 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 (m ³)	Flood (m ³)	Status
4320 minute winter	MH6	2640	9.481	-0.282	0.6	4.0435	0.0000	OK
4320 minute winter	MH1	1800	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH2	1800	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH3	1800	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH4	1800	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH5	1800	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
4320 minute winter	MH6	Infiltration		0.6			
4320 minute winter	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
4320 minute winter	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
4320 minute winter	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
4320 minute winter	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
4320 minute winter	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 10 year +45% 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 (m ³)	Flood (m ³)	Status
5760 minute summer	MH6	3300	9.500	-0.263	0.7	5.3379	0.0000	OK
5760 minute summer	MH1	2580	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH2	2580	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH3	2580	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH4	2580	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH5	2580	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
5760 minute summer	MH6	Infiltration		0.6			
5760 minute summer	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
5760 minute summer	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
5760 minute summer	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
5760 minute summer	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
5760 minute summer	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 10 year +45% 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 (m ³)	Flood (m ³)	Status
5760 minute winter	MH6	3300	9.478	-0.285	0.6	3.8995	0.0000	OK
5760 minute winter	MH1	2580	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	MH2	2580	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	MH3	2580	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	MH4	2580	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	MH5	2580	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
5760 minute winter	MH6	Infiltration		0.6			
5760 minute winter	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
5760 minute winter	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
5760 minute winter	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
5760 minute winter	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
5760 minute winter	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 10 year +45% 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 (m ³)	Flood (m ³)	Status
7200 minute summer	MH6	4020	9.489	-0.274	0.7	4.6195	0.0000	OK
7200 minute summer	MH1	3300	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH2	3300	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH3	3300	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH4	3300	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH5	3300	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
7200 minute summer	MH6	Infiltration		0.6			
7200 minute summer	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
7200 minute summer	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
7200 minute summer	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
7200 minute summer	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
7200 minute summer	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 10 year +45% 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 (m ³)	Flood (m ³)	Status
7200 minute winter	MH6	3900	9.474	-0.289	0.6	3.6115	0.0000	OK
7200 minute winter	MH1	3420	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	MH2	3420	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	MH3	3420	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	MH4	3420	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	MH5	3420	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
7200 minute winter	MH6	Infiltration		0.6			
7200 minute winter	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
7200 minute winter	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
7200 minute winter	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
7200 minute winter	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
7200 minute winter	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 10 year +45% 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 (m ³)	Flood (m ³)	Status
8640 minute summer	MH6	4740	9.478	-0.285	0.6	3.8995	0.0000	OK
8640 minute summer	MH1	4020	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH2	4020	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH3	4020	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH4	4020	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH5	4020	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
8640 minute summer	MH6	Infiltration		0.6			
8640 minute summer	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
8640 minute summer	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
8640 minute summer	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
8640 minute summer	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
8640 minute summer	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 10 year +45% 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	MH6	4380	9.433	-0.330	0.2	0.9106	0.0000	OK
8640 minute winter	MH1	60	9.952	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH2	60	9.952	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH3	60	9.952	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH4	60	9.952	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH5	60	9.794	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
8640 minute winter	MH6	Infiltration		0.2			
8640 minute winter	MH1	1.000	MH5	0.0	0.000	0.000	0.0000
8640 minute winter	MH2	2.000	MH5	0.0	0.000	0.000	0.0000
8640 minute winter	MH3	3.000	MH5	0.0	0.000	0.000	0.0000
8640 minute winter	MH4	4.000	MH5	0.0	0.000	0.000	0.0000
8640 minute winter	MH5	1.001	MH6	0.0	0.000	0.000	0.0000



Results for 10 year +45% 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	MH6	5460	9.478	-0.285	0.6	3.8995	0.0000	OK
10080 minute summer	MH1	4740	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH2	4740	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH3	4740	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH4	4740	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH5	4740	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
10080 minute summer	MH6	Infiltration		0.6			
10080 minute summer	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
10080 minute summer	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
10080 minute summer	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
10080 minute summer	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
10080 minute summer	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 10 year +45% CC 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
10080 minute winter	MH6	4260	9.428	-0.335	0.1	0.5664	0.0000	OK
10080 minute winter	MH1	60	9.952	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH2	60	9.952	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH3	60	9.952	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH4	60	9.952	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH5	60	9.794	0.000	0.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
10080 minute winter	MH6	Infiltration		0.1			
10080 minute winter	MH1	1.000	MH5	0.0	0.000	0.000	0.0000
10080 minute winter	MH2	2.000	MH5	0.0	0.000	0.000	0.0000
10080 minute winter	MH3	3.000	MH5	0.0	0.000	0.000	0.0000
10080 minute winter	MH4	4.000	MH5	0.0	0.000	0.000	0.0000
10080 minute winter	MH5	1.001	MH6	0.0	0.000	0.000	0.0000

**Results for 30 year +45% CC 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 (m ³)	Flood (m ³)	Status
15 minute summer	MH6	20	9.637	-0.126	34.0	14.2955	0.0000	OK
15 minute summer	MH1	10	10.019	0.067	4.8	0.0000	0.0000	OK
15 minute summer	MH2	10	10.019	0.067	4.8	0.0000	0.0000	OK
15 minute summer	MH3	10	10.024	0.072	4.8	0.0000	0.0000	OK
15 minute summer	MH4	10	10.025	0.073	4.8	0.0000	0.0000	OK
15 minute summer	MH5	10	9.962	0.168	19.0	0.0475	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
15 minute summer	MH6	Infiltration		0.6			
15 minute summer	MH1	1.000	MH5	4.8	0.703	0.788	0.0706
15 minute summer	MH2	2.000	MH5	4.7	0.693	0.784	0.0721
15 minute summer	MH3	3.000	MH5	4.8	0.820	0.788	0.0146
15 minute summer	MH4	4.000	MH5	4.8	0.819	0.788	0.0092
15 minute summer	MH5	1.001	MH6	18.9	1.083	1.308	0.0774



Results for 30 year +45% CC 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	MH6	20	9.636	-0.127	31.6	14.2317	0.0000	OK
15 minute winter	MH1	10	10.016	0.064	4.5	0.0000	0.0000	OK
15 minute winter	MH2	10	10.016	0.064	4.5	0.0000	0.0000	OK
15 minute winter	MH3	10	10.021	0.069	4.5	0.0000	0.0000	OK
15 minute winter	MH4	10	10.021	0.069	4.5	0.0000	0.0000	OK
15 minute winter	MH5	10	9.949	0.155	17.8	0.0438	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
15 minute winter	MH6	Infiltration		0.6			
15 minute winter	MH1	1.000	MH5	4.4	0.718	0.737	0.0691
15 minute winter	MH2	2.000	MH5	4.4	0.717	0.737	0.0704
15 minute winter	MH3	3.000	MH5	4.4	0.808	0.736	0.0138
15 minute winter	MH4	4.000	MH5	4.4	0.807	0.736	0.0087
15 minute winter	MH5	1.001	MH6	17.5	1.032	1.212	0.0763

**Results for 30 year +45% CC 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	MH6	35	9.706	-0.057	31.4	18.8276	0.0000	OK
30 minute summer	MH1	18	10.015	0.063	4.4	0.0000	0.0000	OK
30 minute summer	MH2	18	10.015	0.063	4.4	0.0000	0.0000	OK
30 minute summer	MH3	18	10.020	0.068	4.4	0.0000	0.0000	OK
30 minute summer	MH4	18	10.021	0.069	4.4	0.0000	0.0000	OK
30 minute summer	MH5	18	9.949	0.155	17.6	0.0438	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute summer	MH6	Infiltration		0.6			
30 minute summer	MH1	1.000	MH5	4.4	0.715	0.729	0.0688
30 minute summer	MH2	2.000	MH5	4.4	0.698	0.729	0.0702
30 minute summer	MH3	3.000	MH5	4.4	0.808	0.729	0.0137
30 minute summer	MH4	4.000	MH5	4.4	0.806	0.729	0.0087
30 minute summer	MH5	1.001	MH6	17.6	1.036	1.217	0.0763

**Results for 30 year +45% CC 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 (m ³)	Flood (m ³)	Status
30 minute winter	MH6	34	9.706	-0.057	25.1	18.8324	0.0000	OK
30 minute winter	MH1	17	10.007	0.055	3.5	0.0000	0.0000	OK
30 minute winter	MH2	18	10.007	0.055	3.5	0.0000	0.0000	OK
30 minute winter	MH3	18	10.010	0.058	3.5	0.0000	0.0000	OK
30 minute winter	MH4	18	10.011	0.059	3.5	0.0000	0.0000	OK
30 minute winter	MH5	18	9.916	0.122	14.0	0.0346	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
30 minute winter	MH6	Infiltration		0.6			
30 minute winter	MH1	1.000	MH5	3.5	0.725	0.580	0.0541
30 minute winter	MH2	2.000	MH5	3.5	0.720	0.580	0.0560
30 minute winter	MH3	3.000	MH5	3.5	0.768	0.580	0.0115
30 minute winter	MH4	4.000	MH5	3.5	0.765	0.580	0.0073
30 minute winter	MH5	1.001	MH6	14.0	0.958	0.969	0.0675

**Results for 30 year +45% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
60 minute summer	MH6	64	9.775	0.012	23.7	23.3780	0.0000	OK
60 minute summer	MH1	32	10.005	0.053	3.3	0.0000	0.0000	OK
60 minute summer	MH2	32	10.005	0.053	3.3	0.0000	0.0000	OK
60 minute summer	MH3	33	10.008	0.056	3.3	0.0000	0.0000	OK
60 minute summer	MH4	33	10.009	0.057	3.3	0.0000	0.0000	OK
60 minute summer	MH5	33	9.911	0.117	13.2	0.0331	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
60 minute summer	MH6	Infiltration		0.6			
60 minute summer	MH1	1.000	MH5	3.3	0.723	0.547	0.0508
60 minute summer	MH2	2.000	MH5	3.3	0.714	0.547	0.0526
60 minute summer	MH3	3.000	MH5	3.3	0.758	0.547	0.0110
60 minute summer	MH4	4.000	MH5	3.3	0.755	0.547	0.0069
60 minute summer	MH5	1.001	MH6	13.2	0.938	0.913	0.0651

**Results for 30 year +45% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
60 minute winter	MH6	63	9.777	0.014	17.2	23.5369	0.0000	OK
60 minute winter	MH1	33	9.997	0.045	2.4	0.0000	0.0000	OK
60 minute winter	MH2	33	9.997	0.045	2.4	0.0000	0.0000	OK
60 minute winter	MH3	33	9.998	0.046	2.4	0.0000	0.0000	OK
60 minute winter	MH4	33	9.999	0.047	2.4	0.0000	0.0000	OK
60 minute winter	MH5	33	9.888	0.094	9.6	0.0265	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
60 minute winter	MH6	Infiltration		0.6			
60 minute winter	MH1	1.000	MH5	2.4	0.721	0.398	0.0352
60 minute winter	MH2	2.000	MH5	2.4	0.721	0.398	0.0359
60 minute winter	MH3	3.000	MH5	2.4	0.701	0.398	0.0086
60 minute winter	MH4	4.000	MH5	2.4	0.697	0.398	0.0055
60 minute winter	MH5	1.001	MH6	9.6	0.857	0.664	0.0519



Results for 30 year +45% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	MH6	124	9.830	0.067	15.6	27.0098	0.0000	OK
120 minute summer	MH1	64	9.994	0.042	2.2	0.0000	0.0000	OK
120 minute summer	MH2	64	9.994	0.042	2.2	0.0000	0.0000	OK
120 minute summer	MH3	64	9.996	0.044	2.2	0.0000	0.0000	OK
120 minute summer	MH4	64	9.997	0.045	2.2	0.0000	0.0000	OK
120 minute summer	MH5	64	9.882	0.088	8.8	0.0250	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
120 minute summer	MH6	Infiltration		0.6			
120 minute summer	MH1	1.000	MH5	2.2	0.705	0.364	0.0330
120 minute summer	MH2	2.000	MH5	2.2	0.705	0.364	0.0336
120 minute summer	MH3	3.000	MH5	2.2	0.686	0.364	0.0081
120 minute summer	MH4	4.000	MH5	2.2	0.682	0.364	0.0051
120 minute summer	MH5	1.001	MH6	8.8	0.840	0.609	0.0485

**Results for 30 year +45% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
120 minute winter	MH6	122	9.835	0.072	10.7	27.3433	0.0000	OK
120 minute winter	MH1	62	9.986	0.034	1.5	0.0000	0.0000	OK
120 minute winter	MH2	62	9.986	0.034	1.5	0.0000	0.0000	OK
120 minute winter	MH3	62	9.988	0.036	1.5	0.0000	0.0000	OK
120 minute winter	MH4	62	9.988	0.036	1.5	0.0000	0.0000	OK
120 minute winter	MH5	62	9.864	0.070	6.0	0.0198	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
120 minute winter	MH6	Infiltration		0.6			
120 minute winter	MH1	1.000	MH5	1.5	0.636	0.248	0.0249
120 minute winter	MH2	2.000	MH5	1.5	0.636	0.248	0.0254
120 minute winter	MH3	3.000	MH5	1.5	0.620	0.248	0.0061
120 minute winter	MH4	4.000	MH5	1.5	0.617	0.248	0.0039
120 minute winter	MH5	1.001	MH6	6.0	0.765	0.415	0.0363



Results for 30 year +45% CC 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	MH6	184	9.857	0.094	11.4	28.7890	0.0000	OK
180 minute summer	MH1	96	9.988	0.036	1.6	0.0000	0.0000	OK
180 minute summer	MH2	96	9.988	0.036	1.6	0.0000	0.0000	OK
180 minute summer	MH3	96	9.989	0.037	1.6	0.0000	0.0000	OK
180 minute summer	MH4	96	9.989	0.037	1.6	0.0000	0.0000	OK
180 minute summer	MH5	96	9.867	0.073	6.4	0.0206	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute summer	MH6	Infiltration		0.6			
180 minute summer	MH1	1.000	MH5	1.6	0.647	0.265	0.0261
180 minute summer	MH2	2.000	MH5	1.6	0.647	0.265	0.0266
180 minute summer	MH3	3.000	MH5	1.6	0.631	0.265	0.0064
180 minute summer	MH4	4.000	MH5	1.6	0.628	0.265	0.0040
180 minute summer	MH5	1.001	MH6	6.4	0.778	0.443	0.0433

**Results for 30 year +45% CC 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 (m ³)	Flood (m ³)	Status
180 minute winter	MH6	180	9.854	0.091	7.9	28.5487	0.0000	OK
180 minute winter	MH1	92	9.981	0.029	1.1	0.0000	0.0000	OK
180 minute winter	MH2	92	9.981	0.029	1.1	0.0000	0.0000	OK
180 minute winter	MH3	92	9.982	0.030	1.1	0.0000	0.0000	OK
180 minute winter	MH4	92	9.982	0.030	1.1	0.0000	0.0000	OK
180 minute winter	MH5	180	9.854	0.060	4.4	0.0169	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
180 minute winter	MH6	Infiltration		0.6			
180 minute winter	MH1	1.000	MH5	1.1	0.584	0.182	0.0199
180 minute winter	MH2	2.000	MH5	1.1	0.584	0.182	0.0203
180 minute winter	MH3	3.000	MH5	1.1	0.571	0.182	0.0048
180 minute winter	MH4	4.000	MH5	1.1	0.568	0.182	0.0031
180 minute winter	MH5	1.001	MH6	4.4	0.706	0.304	0.0408

**Results for 30 year +45% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
240 minute summer	MH6	244	9.861	0.098	9.4	29.0265	0.0000	OK
240 minute summer	MH1	124	9.984	0.032	1.3	0.0000	0.0000	OK
240 minute summer	MH2	124	9.984	0.032	1.3	0.0000	0.0000	OK
240 minute summer	MH3	124	9.985	0.033	1.3	0.0000	0.0000	OK
240 minute summer	MH4	124	9.985	0.033	1.3	0.0000	0.0000	OK
240 minute summer	MH5	244	9.861	0.067	5.2	0.0189	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
240 minute summer	MH6	Infiltration		0.6			
240 minute summer	MH1	1.000	MH5	1.3	0.611	0.215	0.0225
240 minute summer	MH2	2.000	MH5	1.3	0.611	0.215	0.0229
240 minute summer	MH3	3.000	MH5	1.3	0.597	0.215	0.0055
240 minute summer	MH4	4.000	MH5	1.3	0.594	0.215	0.0035
240 minute summer	MH5	1.001	MH6	5.2	0.738	0.360	0.0457

**Results for 30 year +45% CC 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 (m ³)	Flood (m ³)	Status
240 minute winter	MH6	236	9.870	0.107	6.4	29.6096	0.0000	OK
240 minute winter	MH1	124	9.978	0.026	0.9	0.0000	0.0000	OK
240 minute winter	MH2	124	9.978	0.026	0.9	0.0000	0.0000	OK
240 minute winter	MH3	124	9.979	0.027	0.9	0.0000	0.0000	OK
240 minute winter	MH4	124	9.979	0.027	0.9	0.0000	0.0000	OK
240 minute winter	MH5	236	9.870	0.076	3.6	0.0214	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
240 minute winter	MH6	Infiltration		0.6			
240 minute winter	MH1	1.000	MH5	0.9	0.552	0.149	0.0172
240 minute winter	MH2	2.000	MH5	0.9	0.552	0.149	0.0176
240 minute winter	MH3	3.000	MH5	0.9	0.540	0.149	0.0042
240 minute winter	MH4	4.000	MH5	0.9	0.538	0.149	0.0027
240 minute winter	MH5	1.001	MH6	3.6	0.669	0.249	0.0516

**Results for 30 year +45% CC 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 (m ³)	Flood (m ³)	Status
360 minute summer	MH6	360	9.862	0.099	7.1	29.1328	0.0000	OK
360 minute summer	MH1	184	9.980	0.028	1.0	0.0000	0.0000	OK
360 minute summer	MH2	184	9.980	0.028	1.0	0.0000	0.0000	OK
360 minute summer	MH3	184	9.981	0.029	1.0	0.0000	0.0000	OK
360 minute summer	MH4	184	9.981	0.029	1.0	0.0000	0.0000	OK
360 minute summer	MH5	360	9.862	0.068	4.0	0.0194	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
360 minute summer	MH6	Infiltration		0.6			
360 minute summer	MH1	1.000	MH5	1.0	0.568	0.165	0.0185
360 minute summer	MH2	2.000	MH5	1.0	0.568	0.165	0.0189
360 minute summer	MH3	3.000	MH5	1.0	0.555	0.165	0.0045
360 minute summer	MH4	4.000	MH5	1.0	0.553	0.165	0.0029
360 minute summer	MH5	1.001	MH6	4.0	0.687	0.275	0.0468

**Results for 30 year +45% CC 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	MH6	352	9.857	0.094	4.8	28.8062	0.0000	OK
360 minute winter	MH1	184	9.975	0.023	0.7	0.0000	0.0000	OK
360 minute winter	MH2	184	9.975	0.023	0.7	0.0000	0.0000	OK
360 minute winter	MH3	184	9.976	0.024	0.7	0.0000	0.0000	OK
360 minute winter	MH4	184	9.976	0.024	0.7	0.0000	0.0000	OK
360 minute winter	MH5	352	9.857	0.063	2.8	0.0180	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute winter	MH6	Infiltration		0.6			
360 minute winter	MH1	1.000	MH5	0.7	0.513	0.115	0.0143
360 minute winter	MH2	2.000	MH5	0.7	0.513	0.115	0.0146
360 minute winter	MH3	3.000	MH5	0.7	0.503	0.115	0.0035
360 minute winter	MH4	4.000	MH5	0.7	0.501	0.115	0.0022
360 minute winter	MH5	1.001	MH6	2.8	0.623	0.192	0.0434

**Results for 30 year +45% CC 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 (m ³)	Flood (m ³)	Status
480 minute summer	MH6	480	9.856	0.093	5.6	28.7100	0.0000	OK
480 minute summer	MH1	248	9.977	0.025	0.8	0.0000	0.0000	OK
480 minute summer	MH2	248	9.977	0.025	0.8	0.0000	0.0000	OK
480 minute summer	MH3	248	9.977	0.025	0.8	0.0000	0.0000	OK
480 minute summer	MH4	248	9.978	0.026	0.8	0.0000	0.0000	OK
480 minute summer	MH5	480	9.856	0.062	3.2	0.0175	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
480 minute summer	MH6	Infiltration		0.6			
480 minute summer	MH1	1.000	MH5	0.8	0.533	0.133	0.0158
480 minute summer	MH2	2.000	MH5	0.8	0.533	0.133	0.0161
480 minute summer	MH3	3.000	MH5	0.8	0.522	0.133	0.0039
480 minute summer	MH4	4.000	MH5	0.8	0.520	0.133	0.0024
480 minute summer	MH5	1.001	MH6	3.2	0.648	0.221	0.0424

**Results for 30 year +45% CC 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 (m ³)	Flood (m ³)	Status
480 minute winter	MH6	464	9.856	0.093	3.6	28.7042	0.0000	OK
480 minute winter	MH1	224	9.972	0.020	0.5	0.0000	0.0000	OK
480 minute winter	MH2	224	9.972	0.020	0.5	0.0000	0.0000	OK
480 minute winter	MH3	224	9.972	0.020	0.5	0.0000	0.0000	OK
480 minute winter	MH4	224	9.972	0.020	0.5	0.0000	0.0000	OK
480 minute winter	MH5	464	9.856	0.062	2.0	0.0175	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
480 minute winter	MH6	Infiltration		0.6			
480 minute winter	MH1	1.000	MH5	0.5	0.466	0.083	0.0113
480 minute winter	MH2	2.000	MH5	0.5	0.466	0.083	0.0116
480 minute winter	MH3	3.000	MH5	0.5	0.458	0.083	0.0027
480 minute winter	MH4	4.000	MH5	0.5	0.457	0.083	0.0017
480 minute winter	MH5	1.001	MH6	2.0	0.569	0.138	0.0424

**Results for 30 year +45% CC 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 (m ³)	Flood (m ³)	Status
600 minute summer	MH6	600	9.830	0.067	4.4	26.9843	0.0000	OK
600 minute summer	MH1	315	9.973	0.021	0.6	0.0000	0.0000	OK
600 minute summer	MH2	315	9.973	0.021	0.6	0.0000	0.0000	OK
600 minute summer	MH3	315	9.974	0.022	0.6	0.0000	0.0000	OK
600 minute summer	MH4	315	9.974	0.022	0.6	0.0000	0.0000	OK
600 minute summer	MH5	315	9.836	0.042	2.4	0.0120	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
600 minute summer	MH6	Infiltration		0.6			
600 minute summer	MH1	1.000	MH5	0.6	0.491	0.099	0.0129
600 minute summer	MH2	2.000	MH5	0.6	0.491	0.099	0.0131
600 minute summer	MH3	3.000	MH5	0.6	0.482	0.099	0.0031
600 minute summer	MH4	4.000	MH5	0.6	0.481	0.099	0.0020
600 minute summer	MH5	1.001	MH6	2.4	0.599	0.166	0.0249

**Results for 30 year +45% CC 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 (m ³)	Flood (m ³)	Status
600 minute winter	MH6	570	9.824	0.061	2.9	26.6135	0.0000	OK
600 minute winter	MH1	285	9.970	0.018	0.4	0.0000	0.0000	OK
600 minute winter	MH2	285	9.970	0.018	0.4	0.0000	0.0000	OK
600 minute winter	MH3	285	9.970	0.018	0.4	0.0000	0.0000	OK
600 minute winter	MH4	285	9.970	0.018	0.4	0.0000	0.0000	OK
600 minute winter	MH5	285	9.828	0.034	1.6	0.0098	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
600 minute winter	MH6	Infiltration		0.6			
600 minute winter	MH1	1.000	MH5	0.4	0.436	0.066	0.0097
600 minute winter	MH2	2.000	MH5	0.4	0.436	0.066	0.0099
600 minute winter	MH3	3.000	MH5	0.4	0.429	0.066	0.0023
600 minute winter	MH4	4.000	MH5	0.4	0.428	0.066	0.0015
600 minute winter	MH5	1.001	MH6	1.6	0.535	0.111	0.0214

**Results for 30 year +45% CC 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 (m ³)	Flood (m ³)	Status
720 minute summer	MH6	690	9.836	0.073	3.7	27.3837	0.0000	OK
720 minute summer	MH1	360	9.972	0.020	0.5	0.0000	0.0000	OK
720 minute summer	MH2	360	9.972	0.020	0.5	0.0000	0.0000	OK
720 minute summer	MH3	360	9.972	0.020	0.5	0.0000	0.0000	OK
720 minute summer	MH4	360	9.972	0.020	0.5	0.0000	0.0000	OK
720 minute summer	MH5	690	9.836	0.042	2.0	0.0118	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
720 minute summer	MH6	Infiltration		0.6			
720 minute summer	MH1	1.000	MH5	0.5	0.466	0.083	0.0113
720 minute summer	MH2	2.000	MH5	0.5	0.466	0.083	0.0116
720 minute summer	MH3	3.000	MH5	0.5	0.458	0.083	0.0027
720 minute summer	MH4	4.000	MH5	0.5	0.457	0.083	0.0017
720 minute summer	MH5	1.001	MH6	2.0	0.569	0.138	0.0289

**Results for 30 year +45% CC 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 (m ³)	Flood (m ³)	Status
720 minute winter	MH6	690	9.827	0.064	2.8	26.7775	0.0000	OK
720 minute winter	MH1	360	9.970	0.018	0.4	0.0000	0.0000	OK
720 minute winter	MH2	360	9.970	0.018	0.4	0.0000	0.0000	OK
720 minute winter	MH3	360	9.970	0.018	0.4	0.0000	0.0000	OK
720 minute winter	MH4	360	9.970	0.018	0.4	0.0000	0.0000	OK
720 minute winter	MH5	360	9.828	0.034	1.6	0.0098	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
720 minute winter	MH6	Infiltration		0.6			
720 minute winter	MH1	1.000	MH5	0.4	0.436	0.066	0.0097
720 minute winter	MH2	2.000	MH5	0.4	0.436	0.066	0.0099
720 minute winter	MH3	3.000	MH5	0.4	0.429	0.066	0.0023
720 minute winter	MH4	4.000	MH5	0.4	0.428	0.066	0.0015
720 minute winter	MH5	1.001	MH6	1.6	0.535	0.111	0.0229



Results for 30 year +45% CC 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	MH6	795	9.800	0.037	3.0	25.0412	0.0000	OK
960 minute summer	MH1	480	9.970	0.018	0.4	0.0000	0.0000	OK
960 minute summer	MH2	480	9.970	0.018	0.4	0.0000	0.0000	OK
960 minute summer	MH3	480	9.970	0.018	0.4	0.0000	0.0000	OK
960 minute summer	MH4	480	9.970	0.018	0.4	0.0000	0.0000	OK
960 minute summer	MH5	480	9.828	0.034	1.6	0.0098	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute summer	MH6	Infiltration		0.6			
960 minute summer	MH1	1.000	MH5	0.4	0.436	0.066	0.0097
960 minute summer	MH2	2.000	MH5	0.4	0.436	0.066	0.0099
960 minute summer	MH3	3.000	MH5	0.4	0.429	0.066	0.0023
960 minute summer	MH4	4.000	MH5	0.4	0.428	0.066	0.0015
960 minute summer	MH5	1.001	MH6	1.6	0.535	0.111	0.0139



Results for 30 year +45% CC 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	MH6	870	9.793	0.030	2.1	24.5635	0.0000	OK
960 minute winter	MH1	450	9.967	0.015	0.3	0.0000	0.0000	OK
960 minute winter	MH2	450	9.967	0.015	0.3	0.0000	0.0000	OK
960 minute winter	MH3	450	9.968	0.016	0.3	0.0000	0.0000	OK
960 minute winter	MH4	450	9.968	0.016	0.3	0.0000	0.0000	OK
960 minute winter	MH5	450	9.824	0.030	1.2	0.0084	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
960 minute winter	MH6	Infiltration		0.6			
960 minute winter	MH1	1.000	MH5	0.3	0.401	0.050	0.0079
960 minute winter	MH2	2.000	MH5	0.3	0.401	0.050	0.0081
960 minute winter	MH3	3.000	MH5	0.3	0.396	0.050	0.0019
960 minute winter	MH4	4.000	MH5	0.3	0.395	0.050	0.0012
960 minute winter	MH5	1.001	MH6	1.2	0.493	0.083	0.0113

**Results for 30 year +45% CC 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 (m ³)	Flood (m ³)	Status
1440 minute summer	MH6	1020	9.748	-0.015	2.2	21.5970	0.0000	OK
1440 minute summer	MH1	720	9.967	0.015	0.3	0.0000	0.0000	OK
1440 minute summer	MH2	720	9.967	0.015	0.3	0.0000	0.0000	OK
1440 minute summer	MH3	720	9.968	0.016	0.3	0.0000	0.0000	OK
1440 minute summer	MH4	720	9.968	0.016	0.3	0.0000	0.0000	OK
1440 minute summer	MH5	720	9.824	0.030	1.2	0.0084	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
1440 minute summer	MH6	Infiltration		0.6			
1440 minute summer	MH1	1.000	MH5	0.3	0.401	0.050	0.0079
1440 minute summer	MH2	2.000	MH5	0.3	0.401	0.050	0.0081
1440 minute summer	MH3	3.000	MH5	0.3	0.396	0.050	0.0019
1440 minute summer	MH4	4.000	MH5	0.3	0.395	0.050	0.0012
1440 minute summer	MH5	1.001	MH6	1.2	0.493	0.083	0.0113

**Results for 30 year +45% CC 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	MH6	1080	9.712	-0.051	1.4	19.2566	0.0000	OK
1440 minute winter	MH1	630	9.965	0.013	0.2	0.0000	0.0000	OK
1440 minute winter	MH2	630	9.965	0.013	0.2	0.0000	0.0000	OK
1440 minute winter	MH3	630	9.965	0.013	0.2	0.0000	0.0000	OK
1440 minute winter	MH4	630	9.965	0.013	0.2	0.0000	0.0000	OK
1440 minute winter	MH5	630	9.818	0.024	0.8	0.0069	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute winter	MH6	Infiltration		0.6			
1440 minute winter	MH1	1.000	MH5	0.2	0.355	0.033	0.0059
1440 minute winter	MH2	2.000	MH5	0.2	0.355	0.033	0.0061
1440 minute winter	MH3	3.000	MH5	0.2	0.351	0.033	0.0014
1440 minute winter	MH4	4.000	MH5	0.2	0.351	0.033	0.0009
1440 minute winter	MH5	1.001	MH6	0.8	0.438	0.055	0.0085

**Results for 30 year +45% CC 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 (m ³)	Flood (m ³)	Status
2160 minute summer	MH6	1440	9.680	-0.083	1.5	17.1521	0.0000	OK
2160 minute summer	MH1	1080	9.965	0.013	0.2	0.0000	0.0000	OK
2160 minute summer	MH2	1080	9.965	0.013	0.2	0.0000	0.0000	OK
2160 minute summer	MH3	1080	9.965	0.013	0.2	0.0000	0.0000	OK
2160 minute summer	MH4	1080	9.965	0.013	0.2	0.0000	0.0000	OK
2160 minute summer	MH5	1080	9.818	0.024	0.8	0.0069	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
2160 minute summer	MH6	Infiltration		0.6			
2160 minute summer	MH1	1.000	MH5	0.2	0.355	0.033	0.0059
2160 minute summer	MH2	2.000	MH5	0.2	0.355	0.033	0.0061
2160 minute summer	MH3	3.000	MH5	0.2	0.351	0.033	0.0014
2160 minute summer	MH4	4.000	MH5	0.2	0.351	0.033	0.0009
2160 minute summer	MH5	1.001	MH6	0.8	0.438	0.055	0.0085

**Results for 30 year +45% CC 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 (m ³)	Flood (m ³)	Status
2160 minute winter	MH6	1560	9.577	-0.186	0.9	10.3948	0.0000	OK
2160 minute winter	MH1	720	9.961	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH2	720	9.961	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH3	720	9.961	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH4	720	9.961	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH5	720	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
2160 minute winter	MH6	Infiltration		0.6			
2160 minute winter	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
2160 minute winter	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
2160 minute winter	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
2160 minute winter	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
2160 minute winter	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 30 year +45% CC 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 (m ³)	Flood (m ³)	Status
2880 minute summer	MH6	1860	9.639	-0.124	1.4	14.4229	0.0000	OK
2880 minute summer	MH1	1500	9.965	0.013	0.2	0.0000	0.0000	OK
2880 minute summer	MH2	1500	9.965	0.013	0.2	0.0000	0.0000	OK
2880 minute summer	MH3	1500	9.965	0.013	0.2	0.0000	0.0000	OK
2880 minute summer	MH4	1500	9.965	0.013	0.2	0.0000	0.0000	OK
2880 minute summer	MH5	1500	9.818	0.024	0.8	0.0069	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
2880 minute summer	MH6	Infiltration		0.6			
2880 minute summer	MH1	1.000	MH5	0.2	0.355	0.033	0.0059
2880 minute summer	MH2	2.000	MH5	0.2	0.355	0.033	0.0061
2880 minute summer	MH3	3.000	MH5	0.2	0.351	0.033	0.0014
2880 minute summer	MH4	4.000	MH5	0.2	0.351	0.033	0.0009
2880 minute summer	MH5	1.001	MH6	0.8	0.438	0.055	0.0085

**Results for 30 year +45% CC 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 (m ³)	Flood (m ³)	Status
2880 minute winter	MH6	1980	9.559	-0.204	0.8	9.1813	0.0000	OK
2880 minute winter	MH1	1020	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH2	1020	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH3	1020	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH4	1020	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH5	1020	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
2880 minute winter	MH6	Infiltration		0.6			
2880 minute winter	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
2880 minute winter	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
2880 minute winter	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
2880 minute winter	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
2880 minute winter	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 30 year +45% 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 (m ³)	Flood (m ³)	Status
4320 minute summer	MH6	2640	9.555	-0.208	0.8	8.9549	0.0000	OK
4320 minute summer	MH1	1800	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH2	1800	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH3	1800	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH4	1800	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH5	1800	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
4320 minute summer	MH6	Infiltration		0.6			
4320 minute summer	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
4320 minute summer	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
4320 minute summer	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
4320 minute summer	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
4320 minute summer	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 30 year +45% 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	MH6	2760	9.529	-0.234	0.7	7.2115	0.0000	OK
4320 minute winter	MH1	1680	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH2	1680	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH3	1680	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH4	1680	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH5	1680	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
4320 minute winter	MH6	Infiltration		0.6			
4320 minute winter	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
4320 minute winter	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
4320 minute winter	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
4320 minute winter	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
4320 minute winter	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 30 year +45% 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 (m ³)	Flood (m ³)	Status
5760 minute summer	MH6	3420	9.537	-0.226	0.8	7.7732	0.0000	OK
5760 minute summer	MH1	2460	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH2	2460	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH3	2460	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH4	2460	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH5	2460	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
5760 minute summer	MH6	Infiltration		0.6			
5760 minute summer	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
5760 minute summer	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
5760 minute summer	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
5760 minute summer	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
5760 minute summer	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 30 year +45% 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 (m ³)	Flood (m ³)	Status
5760 minute winter	MH6	3480	9.485	-0.278	0.6	4.3315	0.0000	OK
5760 minute winter	MH1	2400	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	MH2	2400	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	MH3	2400	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	MH4	2400	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	MH5	2400	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
5760 minute winter	MH6	Infiltration		0.6			
5760 minute winter	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
5760 minute winter	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
5760 minute winter	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
5760 minute winter	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
5760 minute winter	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 30 year +45% 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 (m ³)	Flood (m ³)	Status
7200 minute summer	MH6	4140	9.516	-0.247	0.7	6.3475	0.0000	OK
7200 minute summer	MH1	3180	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH2	3180	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH3	3180	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH4	3180	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH5	3180	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
7200 minute summer	MH6	Infiltration		0.6			
7200 minute summer	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
7200 minute summer	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
7200 minute summer	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
7200 minute summer	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
7200 minute summer	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 30 year +45% 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 (m ³)	Flood (m ³)	Status
7200 minute winter	MH6	4200	9.485	-0.278	0.6	4.3315	0.0000	OK
7200 minute winter	MH1	3120	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	MH2	3120	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	MH3	3120	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	MH4	3120	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	MH5	3120	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
7200 minute winter	MH6	Infiltration		0.6			
7200 minute winter	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
7200 minute winter	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
7200 minute winter	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
7200 minute winter	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
7200 minute winter	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 30 year +45% 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 (m ³)	Flood (m ³)	Status
8640 minute summer	MH6	4920	9.507	-0.256	0.7	5.7605	0.0000	OK
8640 minute summer	MH1	3840	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH2	3840	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH3	3840	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH4	3840	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH5	3840	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
8640 minute summer	MH6	Infiltration		0.6			
8640 minute summer	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
8640 minute summer	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
8640 minute summer	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
8640 minute summer	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
8640 minute summer	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 30 year +45% 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 (m ³)	Flood (m ³)	Status
8640 minute winter	MH6	4740	9.479	-0.284	0.6	3.9093	0.0000	OK
8640 minute winter	MH1	4020	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	MH2	4020	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	MH3	4020	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	MH4	4020	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	MH5	4020	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
8640 minute winter	MH6	Infiltration		0.6			
8640 minute winter	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
8640 minute winter	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
8640 minute winter	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
8640 minute winter	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
8640 minute winter	MH5	1.001	MH6	0.4	0.357	0.028	0.0052



Results for 30 year +45% 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	MH6	5640	9.485	-0.278	0.6	4.3205	0.0000	OK
10080 minute summer	MH1	4560	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH2	4560	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH3	4560	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH4	4560	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH5	4560	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
10080 minute summer	MH6	Infiltration		0.6			
10080 minute summer	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
10080 minute summer	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
10080 minute summer	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
10080 minute summer	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
10080 minute summer	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 30 year +45% CC 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
10080 minute winter	MH6	5220	9.470	-0.293	0.6	3.3351	0.0000	OK
10080 minute winter	MH1	4980	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	MH2	4980	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	MH3	4980	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	MH4	4980	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	MH5	4980	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
10080 minute winter	MH6	Infiltration		0.6			
10080 minute winter	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
10080 minute winter	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
10080 minute winter	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
10080 minute winter	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
10080 minute winter	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 100 year +45% CC 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 (m ³)	Flood (m ³)	Status
15 minute summer	MH6	20	9.693	-0.070	41.0	17.9699	0.0000	OK
15 minute summer	MH1	11	10.110	0.158	6.0	0.0000	0.0000	FLOOD RISK
15 minute summer	MH2	11	10.112	0.160	6.0	0.0000	0.0000	FLOOD RISK
15 minute summer	MH3	10	10.040	0.088	6.0	0.0000	0.0000	OK
15 minute summer	MH4	10	10.040	0.088	6.0	0.0000	0.0000	OK
15 minute summer	MH5	11	10.002	0.208	22.9	0.0589	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
15 minute summer	MH6	Infiltration		0.6			
15 minute summer	MH1	1.000	MH5	5.7	0.733	0.940	0.0826
15 minute summer	MH2	2.000	MH5	5.7	0.725	0.939	0.0842
15 minute summer	MH3	3.000	MH5	5.9	0.851	0.982	0.0175
15 minute summer	MH4	4.000	MH5	5.9	0.848	0.982	0.0111
15 minute summer	MH5	1.001	MH6	22.9	1.302	1.585	0.0795

**Results for 100 year +45% CC 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	MH6	20	9.693	-0.070	38.4	18.0323	0.0000	OK
15 minute winter	MH1	11	10.079	0.127	5.6	0.0000	0.0000	FLOOD RISK
15 minute winter	MH2	11	10.081	0.129	5.6	0.0000	0.0000	FLOOD RISK
15 minute winter	MH3	10	10.034	0.082	5.6	0.0000	0.0000	OK
15 minute winter	MH4	10	10.034	0.082	5.6	0.0000	0.0000	OK
15 minute winter	MH5	11	9.986	0.192	21.3	0.0542	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
15 minute winter	MH6	Infiltration		0.6			
15 minute winter	MH1	1.000	MH5	5.3	0.715	0.876	0.0826
15 minute winter	MH2	2.000	MH5	5.3	0.696	0.876	0.0842
15 minute winter	MH3	3.000	MH5	5.5	0.837	0.915	0.0166
15 minute winter	MH4	4.000	MH5	5.5	0.838	0.915	0.0104
15 minute winter	MH5	1.001	MH6	21.4	1.215	1.478	0.0789

**Results for 100 year +45% CC 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 (m ³)	Flood (m ³)	Status
30 minute summer	MH6	35	9.783	0.020	38.6	23.9368	0.0000	OK
30 minute summer	MH1	18	10.075	0.123	5.5	0.0000	0.0000	FLOOD RISK
30 minute summer	MH2	18	10.077	0.125	5.5	0.0000	0.0000	FLOOD RISK
30 minute summer	MH3	18	10.033	0.081	5.5	0.0000	0.0000	OK
30 minute summer	MH4	18	10.034	0.082	5.5	0.0000	0.0000	OK
30 minute summer	MH5	18	9.985	0.191	21.4	0.0539	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
30 minute summer	MH6	Infiltration		0.6			
30 minute summer	MH1	1.000	MH5	5.3	0.722	0.875	0.0826
30 minute summer	MH2	2.000	MH5	5.3	0.705	0.875	0.0842
30 minute summer	MH3	3.000	MH5	5.5	0.838	0.911	0.0165
30 minute summer	MH4	4.000	MH5	5.5	0.838	0.911	0.0104
30 minute summer	MH5	1.001	MH6	21.2	1.207	1.467	0.0788

**Results for 100 year +45% CC 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	MH6	35	9.784	0.021	32.1	23.9665	0.0000	OK
30 minute winter	MH1	18	10.016	0.064	4.5	0.0000	0.0000	OK
30 minute winter	MH2	18	10.016	0.064	4.5	0.0000	0.0000	OK
30 minute winter	MH3	18	10.021	0.069	4.5	0.0000	0.0000	OK
30 minute winter	MH4	18	10.022	0.070	4.5	0.0000	0.0000	OK
30 minute winter	MH5	18	9.953	0.159	18.0	0.0449	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
30 minute winter	MH6	Infiltration		0.6			
30 minute winter	MH1	1.000	MH5	4.5	0.730	0.745	0.0693
30 minute winter	MH2	2.000	MH5	4.5	0.717	0.745	0.0707
30 minute winter	MH3	3.000	MH5	4.5	0.811	0.745	0.0139
30 minute winter	MH4	4.000	MH5	4.5	0.810	0.745	0.0088
30 minute winter	MH5	1.001	MH6	18.0	1.048	1.245	0.0767

**Results for 100 year +45% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
60 minute summer	MH6	65	9.876	0.113	30.1	29.9945	0.0000	OK
60 minute summer	MH1	33	10.013	0.061	4.2	0.0000	0.0000	OK
60 minute summer	MH2	33	10.013	0.061	4.2	0.0000	0.0000	OK
60 minute summer	MH3	33	10.018	0.066	4.2	0.0000	0.0000	OK
60 minute summer	MH4	33	10.018	0.066	4.2	0.0000	0.0000	OK
60 minute summer	MH5	33	9.938	0.144	16.8	0.0408	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
60 minute summer	MH6	Infiltration		0.6			
60 minute summer	MH1	1.000	MH5	4.2	0.727	0.696	0.0664
60 minute summer	MH2	2.000	MH5	4.2	0.718	0.696	0.0682
60 minute summer	MH3	3.000	MH5	4.2	0.800	0.696	0.0132
60 minute summer	MH4	4.000	MH5	4.2	0.798	0.696	0.0083
60 minute summer	MH5	1.001	MH6	16.8	1.023	1.162	0.0752

**Results for 100 year +45% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
60 minute winter	MH6	63	9.879	0.116	22.0	30.1962	0.0000	OK
60 minute winter	MH1	33	10.003	0.051	3.1	0.0000	0.0000	OK
60 minute winter	MH2	33	10.003	0.051	3.1	0.0000	0.0000	OK
60 minute winter	MH3	33	10.006	0.054	3.1	0.0000	0.0000	OK
60 minute winter	MH4	33	10.007	0.055	3.1	0.0000	0.0000	OK
60 minute winter	MH5	33	9.906	0.112	12.4	0.0317	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
60 minute winter	MH6	Infiltration		0.6			
60 minute winter	MH1	1.000	MH5	3.1	0.730	0.513	0.0472
60 minute winter	MH2	2.000	MH5	3.1	0.716	0.513	0.0491
60 minute winter	MH3	3.000	MH5	3.1	0.746	0.513	0.0104
60 minute winter	MH4	4.000	MH5	3.1	0.743	0.513	0.0066
60 minute winter	MH5	1.001	MH6	12.4	0.917	0.858	0.0626



Results for 100 year +45% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	MH6	124	9.946	0.183	19.3	34.6416	0.0000	OK
120 minute summer	MH1	64	9.999	0.047	2.7	0.0000	0.0000	OK
120 minute summer	MH2	64	9.999	0.047	2.7	0.0000	0.0000	OK
120 minute summer	MH3	64	10.002	0.050	2.7	0.0000	0.0000	OK
120 minute summer	MH4	64	10.002	0.050	2.7	0.0000	0.0000	OK
120 minute summer	MH5	124	9.946	0.152	10.8	0.0431	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
120 minute summer	MH6	Infiltration		0.6			
120 minute summer	MH1	1.000	MH5	2.7	0.727	0.447	0.0446
120 minute summer	MH2	2.000	MH5	2.7	0.720	0.447	0.0459
120 minute summer	MH3	3.000	MH5	2.7	0.722	0.447	0.0094
120 minute summer	MH4	4.000	MH5	2.7	0.718	0.447	0.0060
120 minute summer	MH5	1.001	MH6	10.8	0.877	0.747	0.0815

**Results for 100 year +45% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
120 minute winter	MH6	122	9.939	0.176	13.4	34.1955	0.0000	OK
120 minute winter	MH1	64	9.991	0.039	1.9	0.0000	0.0000	OK
120 minute winter	MH2	64	9.991	0.039	1.9	0.0000	0.0000	OK
120 minute winter	MH3	64	9.993	0.041	1.9	0.0000	0.0000	OK
120 minute winter	MH4	64	9.993	0.041	1.9	0.0000	0.0000	OK
120 minute winter	MH5	122	9.940	0.146	7.6	0.0412	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
120 minute winter	MH6	Infiltration		0.6			
120 minute winter	MH1	1.000	MH5	1.9	0.678	0.315	0.0430
120 minute winter	MH2	2.000	MH5	1.9	0.678	0.315	0.0445
120 minute winter	MH3	3.000	MH5	1.9	0.660	0.315	0.0072
120 minute winter	MH4	4.000	MH5	1.9	0.657	0.315	0.0046
120 minute winter	MH5	1.001	MH6	7.6	0.812	0.526	0.0812



Results for 100 year +45% CC 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	MH6	184	9.976	0.213	14.2	36.6230	0.0000	OK
180 minute summer	MH1	96	9.992	0.040	2.0	0.0000	0.0000	OK
180 minute summer	MH2	96	9.992	0.040	2.0	0.0000	0.0000	OK
180 minute summer	MH3	96	9.994	0.042	2.0	0.0000	0.0000	OK
180 minute summer	MH4	96	9.994	0.042	2.0	0.0000	0.0000	OK
180 minute summer	MH5	184	9.976	0.182	8.0	0.0515	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute summer	MH6	Infiltration		0.6			
180 minute summer	MH1	1.000	MH5	2.0	0.687	0.331	0.0493
180 minute summer	MH2	2.000	MH5	2.0	0.687	0.331	0.0503
180 minute summer	MH3	3.000	MH5	2.0	0.669	0.331	0.0075
180 minute summer	MH4	4.000	MH5	2.0	0.666	0.331	0.0048
180 minute summer	MH5	1.001	MH6	8.0	0.822	0.553	0.0815



Results for 100 year +45% CC 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	MH6	180	9.978	0.215	9.9	36.7458	0.0000	OK
180 minute winter	MH1	96	9.985	0.033	1.4	0.0000	0.0000	OK
180 minute winter	MH2	96	9.985	0.033	1.4	0.0000	0.0000	OK
180 minute winter	MH3	96	9.986	0.034	1.4	0.0000	0.0000	OK
180 minute winter	MH4	96	9.987	0.035	1.4	0.0000	0.0000	OK
180 minute winter	MH5	180	9.978	0.184	5.6	0.0522	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
180 minute winter	MH6	Infiltration		0.6			
180 minute winter	MH1	1.000	MH5	1.4	0.624	0.232	0.0500
180 minute winter	MH2	2.000	MH5	1.4	0.624	0.232	0.0510
180 minute winter	MH3	3.000	MH5	1.4	0.609	0.232	0.0071
180 minute winter	MH4	4.000	MH5	1.4	0.606	0.232	0.0037
180 minute winter	MH5	1.001	MH6	5.6	0.752	0.387	0.0815

**Results for 100 year +45% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
240 minute summer	MH6	244	9.991	0.228	12.0	37.5984	0.0000	OK
240 minute summer	MH1	244	9.991	0.039	1.7	0.0000	0.0000	OK
240 minute summer	MH2	244	9.991	0.039	1.7	0.0000	0.0000	OK
240 minute summer	MH3	244	9.992	0.040	1.7	0.0000	0.0000	OK
240 minute summer	MH4	236	9.992	0.040	1.7	0.0000	0.0000	OK
240 minute summer	MH5	244	9.991	0.197	6.8	0.0558	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
240 minute summer	MH6	Infiltration		0.6			
240 minute summer	MH1	1.000	MH5	1.7	0.657	0.281	0.0564
240 minute summer	MH2	2.000	MH5	1.7	0.657	0.281	0.0575
240 minute summer	MH3	3.000	MH5	1.7	0.641	0.281	0.0104
240 minute summer	MH4	4.000	MH5	1.7	0.637	0.281	0.0057
240 minute summer	MH5	1.001	MH6	6.8	0.789	0.468	0.0815

**Results for 100 year +45% CC 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	MH6	240	9.993	0.230	7.9	37.7179	0.0000	OK
240 minute winter	MH1	240	9.993	0.041	1.1	0.0000	0.0000	OK
240 minute winter	MH2	240	9.993	0.041	1.1	0.0000	0.0000	OK
240 minute winter	MH3	240	9.994	0.042	1.1	0.0000	0.0000	OK
240 minute winter	MH4	236	9.994	0.042	1.1	0.0000	0.0000	OK
240 minute winter	MH5	236	9.993	0.199	4.4	0.0563	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
240 minute winter	MH6	Infiltration		0.6			
240 minute winter	MH1	1.000	MH5	1.1	0.584	0.182	0.0574
240 minute winter	MH2	2.000	MH5	1.1	0.584	0.182	0.0585
240 minute winter	MH3	3.000	MH5	1.1	0.571	0.182	0.0108
240 minute winter	MH4	4.000	MH5	1.1	0.568	0.182	0.0061
240 minute winter	MH5	1.001	MH6	4.4	0.706	0.304	0.0815

**Results for 100 year +45% CC 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	MH6	360	9.996	0.233	8.7	37.8970	0.0000	OK
360 minute summer	MH1	360	9.996	0.044	1.2	0.0000	0.0000	OK
360 minute summer	MH2	360	9.996	0.044	1.2	0.0000	0.0000	OK
360 minute summer	MH3	360	9.996	0.044	1.2	0.0000	0.0000	OK
360 minute summer	MH4	360	9.996	0.044	1.2	0.0000	0.0000	OK
360 minute summer	MH5	360	9.996	0.202	4.8	0.0571	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute summer	MH6	Infiltration		0.6			
360 minute summer	MH1	1.000	MH5	1.2	0.598	0.198	0.0588
360 minute summer	MH2	2.000	MH5	1.2	0.598	0.198	0.0599
360 minute summer	MH3	3.000	MH5	1.2	0.584	0.198	0.0114
360 minute summer	MH4	4.000	MH5	1.2	0.581	0.198	0.0065
360 minute summer	MH5	1.001	MH6	4.8	0.722	0.331	0.0815

**Results for 100 year +45% CC 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	MH6	352	9.984	0.221	5.7	37.1078	0.0000	OK
360 minute winter	MH1	352	9.984	0.032	0.8	0.0000	0.0000	OK
360 minute winter	MH2	352	9.984	0.032	0.8	0.0000	0.0000	OK
360 minute winter	MH3	344	9.984	0.032	0.8	0.0000	0.0000	OK
360 minute winter	MH4	352	9.985	0.033	0.8	0.0000	0.0000	OK
360 minute winter	MH5	352	9.984	0.190	3.2	0.0538	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
360 minute winter	MH6	Infiltration		0.6			
360 minute winter	MH1	1.000	MH5	0.8	0.533	0.133	0.0526
360 minute winter	MH2	2.000	MH5	0.8	0.533	0.133	0.0536
360 minute winter	MH3	3.000	MH5	0.8	0.522	0.133	0.0084
360 minute winter	MH4	4.000	MH5	0.8	0.520	0.133	0.0047
360 minute winter	MH5	1.001	MH6	3.2	0.648	0.221	0.0815

**Results for 100 year +45% CC 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 (m ³)	Flood (m ³)	Status
480 minute summer	MH6	480	9.979	0.216	7.0	36.8198	0.0000	OK
480 minute summer	MH1	248	9.980	0.028	1.0	0.0000	0.0000	OK
480 minute summer	MH2	248	9.980	0.028	1.0	0.0000	0.0000	OK
480 minute summer	MH3	248	9.981	0.029	1.0	0.0000	0.0000	OK
480 minute summer	MH4	248	9.981	0.029	1.0	0.0000	0.0000	OK
480 minute summer	MH5	480	9.980	0.186	4.0	0.0526	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
480 minute summer	MH6	Infiltration		0.6			
480 minute summer	MH1	1.000	MH5	1.0	0.568	0.166	0.0505
480 minute summer	MH2	2.000	MH5	1.0	0.568	0.166	0.0515
480 minute summer	MH3	3.000	MH5	1.0	0.556	0.166	0.0074
480 minute summer	MH4	4.000	MH5	1.0	0.553	0.166	0.0040
480 minute summer	MH5	1.001	MH6	4.0	0.688	0.277	0.0815



Results for 100 year +45% CC 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	MH6	472	9.984	0.221	4.4	37.1315	0.0000	OK
480 minute winter	MH1	464	9.984	0.032	0.6	0.0000	0.0000	OK
480 minute winter	MH2	464	9.984	0.032	0.6	0.0000	0.0000	OK
480 minute winter	MH3	464	9.985	0.033	0.6	0.0000	0.0000	OK
480 minute winter	MH4	472	9.986	0.034	0.6	0.0000	0.0000	OK
480 minute winter	MH5	472	9.984	0.190	2.4	0.0539	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
480 minute winter	MH6	Infiltration		0.6			
480 minute winter	MH1	1.000	MH5	0.6	0.491	0.099	0.0528
480 minute winter	MH2	2.000	MH5	0.6	0.491	0.099	0.0538
480 minute winter	MH3	3.000	MH5	0.6	0.482	0.099	0.0086
480 minute winter	MH4	4.000	MH5	0.6	0.481	0.099	0.0048
480 minute winter	MH5	1.001	MH6	2.4	0.599	0.166	0.0815

**Results for 100 year +45% CC 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 (m ³)	Flood (m ³)	Status
600 minute summer	MH6	600	9.975	0.212	5.6	36.5539	0.0000	OK
600 minute summer	MH1	315	9.977	0.025	0.8	0.0000	0.0000	OK
600 minute summer	MH2	315	9.977	0.025	0.8	0.0000	0.0000	OK
600 minute summer	MH3	315	9.977	0.025	0.8	0.0000	0.0000	OK
600 minute summer	MH4	315	9.978	0.026	0.8	0.0000	0.0000	OK
600 minute summer	MH5	585	9.975	0.181	3.2	0.0513	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
600 minute summer	MH6	Infiltration		0.6			
600 minute summer	MH1	1.000	MH5	0.8	0.533	0.133	0.0487
600 minute summer	MH2	2.000	MH5	0.8	0.533	0.133	0.0497
600 minute summer	MH3	3.000	MH5	0.8	0.522	0.133	0.0066
600 minute summer	MH4	4.000	MH5	0.8	0.520	0.133	0.0035
600 minute summer	MH5	1.001	MH6	3.2	0.648	0.221	0.0815

**Results for 100 year +45% CC 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	MH6	585	9.982	0.219	3.7	37.0161	0.0000	OK
600 minute winter	MH1	585	9.982	0.030	0.5	0.0000	0.0000	OK
600 minute winter	MH2	585	9.982	0.030	0.5	0.0000	0.0000	OK
600 minute winter	MH3	570	9.983	0.031	0.5	0.0000	0.0000	OK
600 minute winter	MH4	585	9.983	0.031	0.5	0.0000	0.0000	OK
600 minute winter	MH5	585	9.983	0.189	2.0	0.0534	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
600 minute winter	MH6	Infiltration		0.6			
600 minute winter	MH1	1.000	MH5	0.5	0.466	0.083	0.0519
600 minute winter	MH2	2.000	MH5	0.5	0.466	0.083	0.0529
600 minute winter	MH3	3.000	MH5	0.5	0.458	0.083	0.0081
600 minute winter	MH4	4.000	MH5	0.5	0.457	0.083	0.0045
600 minute winter	MH5	1.001	MH6	2.0	0.569	0.139	0.0815

**Results for 100 year +45% CC 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	MH6	720	9.972	0.209	4.9	36.3039	0.0000	OK
720 minute summer	MH1	375	9.975	0.023	0.7	0.0000	0.0000	OK
720 minute summer	MH2	375	9.975	0.023	0.7	0.0000	0.0000	OK
720 minute summer	MH3	375	9.976	0.024	0.7	0.0000	0.0000	OK
720 minute summer	MH4	375	9.976	0.024	0.7	0.0000	0.0000	OK
720 minute summer	MH5	720	9.972	0.178	2.8	0.0505	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
720 minute summer	MH6	Infiltration		0.6			
720 minute summer	MH1	1.000	MH5	0.7	0.514	0.116	0.0469
720 minute summer	MH2	2.000	MH5	0.7	0.513	0.116	0.0479
720 minute summer	MH3	3.000	MH5	0.7	0.503	0.116	0.0057
720 minute summer	MH4	4.000	MH5	0.7	0.502	0.116	0.0029
720 minute summer	MH5	1.001	MH6	2.8	0.625	0.194	0.0815

**Results for 100 year +45% CC 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	MH6	690	9.957	0.194	3.4	35.3687	0.0000	OK
720 minute winter	MH1	375	9.972	0.020	0.5	0.0000	0.0000	OK
720 minute winter	MH2	375	9.972	0.020	0.5	0.0000	0.0000	OK
720 minute winter	MH3	375	9.972	0.020	0.5	0.0000	0.0000	OK
720 minute winter	MH4	375	9.972	0.020	0.5	0.0000	0.0000	OK
720 minute winter	MH5	690	9.957	0.163	2.0	0.0462	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
720 minute winter	MH6	Infiltration		0.6			
720 minute winter	MH1	1.000	MH5	0.5	0.466	0.083	0.0431
720 minute winter	MH2	2.000	MH5	0.5	0.466	0.083	0.0440
720 minute winter	MH3	3.000	MH5	0.5	0.458	0.083	0.0030
720 minute winter	MH4	4.000	MH5	0.5	0.457	0.083	0.0017
720 minute winter	MH5	1.001	MH6	2.0	0.569	0.138	0.0815

**Results for 100 year +45% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
960 minute summer	MH6	900	9.929	0.166	3.7	33.5090	0.0000	OK
960 minute summer	MH1	480	9.972	0.020	0.5	0.0000	0.0000	OK
960 minute summer	MH2	480	9.972	0.020	0.5	0.0000	0.0000	OK
960 minute summer	MH3	480	9.972	0.020	0.5	0.0000	0.0000	OK
960 minute summer	MH4	480	9.972	0.020	0.5	0.0000	0.0000	OK
960 minute summer	MH5	900	9.929	0.135	2.0	0.0382	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
960 minute summer	MH6	Infiltration		0.6			
960 minute summer	MH1	1.000	MH5	0.5	0.466	0.083	0.0385
960 minute summer	MH2	2.000	MH5	0.5	0.466	0.083	0.0401
960 minute summer	MH3	3.000	MH5	0.5	0.458	0.083	0.0027
960 minute summer	MH4	4.000	MH5	0.5	0.457	0.083	0.0017
960 minute summer	MH5	1.001	MH6	2.0	0.569	0.138	0.0794

**Results for 100 year +45% CC 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 (m ³)	Flood (m ³)	Status
960 minute winter	MH6	915	9.931	0.168	2.7	33.6688	0.0000	OK
960 minute winter	MH1	480	9.970	0.018	0.4	0.0000	0.0000	OK
960 minute winter	MH2	480	9.970	0.018	0.4	0.0000	0.0000	OK
960 minute winter	MH3	480	9.970	0.018	0.4	0.0000	0.0000	OK
960 minute winter	MH4	480	9.970	0.018	0.4	0.0000	0.0000	OK
960 minute winter	MH5	915	9.931	0.137	1.6	0.0389	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
960 minute winter	MH6	Infiltration		0.6			
960 minute winter	MH1	1.000	MH5	0.4	0.436	0.066	0.0395
960 minute winter	MH2	2.000	MH5	0.4	0.436	0.066	0.0410
960 minute winter	MH3	3.000	MH5	0.4	0.429	0.066	0.0023
960 minute winter	MH4	4.000	MH5	0.4	0.428	0.066	0.0015
960 minute winter	MH5	1.001	MH6	1.6	0.535	0.111	0.0799



Results for 100 year +45% CC 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	MH6	1110	9.879	0.116	2.8	30.2033	0.0000	OK
1440 minute summer	MH1	750	9.970	0.018	0.4	0.0000	0.0000	OK
1440 minute summer	MH2	750	9.970	0.018	0.4	0.0000	0.0000	OK
1440 minute summer	MH3	750	9.970	0.018	0.4	0.0000	0.0000	OK
1440 minute summer	MH4	750	9.970	0.018	0.4	0.0000	0.0000	OK
1440 minute summer	MH5	1110	9.879	0.085	1.6	0.0240	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
1440 minute summer	MH6	Infiltration		0.6			
1440 minute summer	MH1	1.000	MH5	0.4	0.436	0.066	0.0136
1440 minute summer	MH2	2.000	MH5	0.4	0.436	0.066	0.0149
1440 minute summer	MH3	3.000	MH5	0.4	0.429	0.066	0.0023
1440 minute summer	MH4	4.000	MH5	0.4	0.428	0.066	0.0015
1440 minute summer	MH5	1.001	MH6	1.6	0.535	0.111	0.0575

**Results for 100 year +45% CC 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 (m ³)	Flood (m ³)	Status
1440 minute winter	MH6	1140	9.856	0.093	2.0	28.6918	0.0000	OK
1440 minute winter	MH1	750	9.967	0.015	0.3	0.0000	0.0000	OK
1440 minute winter	MH2	750	9.967	0.015	0.3	0.0000	0.0000	OK
1440 minute winter	MH3	750	9.968	0.016	0.3	0.0000	0.0000	OK
1440 minute winter	MH4	750	9.968	0.016	0.3	0.0000	0.0000	OK
1440 minute winter	MH5	1140	9.856	0.062	1.2	0.0175	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
1440 minute winter	MH6	Infiltration		0.6			
1440 minute winter	MH1	1.000	MH5	0.3	0.401	0.050	0.0079
1440 minute winter	MH2	2.000	MH5	0.3	0.401	0.050	0.0081
1440 minute winter	MH3	3.000	MH5	0.3	0.396	0.050	0.0019
1440 minute winter	MH4	4.000	MH5	0.3	0.395	0.050	0.0012
1440 minute winter	MH5	1.001	MH6	1.2	0.493	0.083	0.0423

**Results for 100 year +45% CC 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 (m ³)	Flood (m ³)	Status
2160 minute summer	MH6	1500	9.835	0.072	2.0	27.3377	0.0000	OK
2160 minute summer	MH1	1140	9.967	0.015	0.3	0.0000	0.0000	OK
2160 minute summer	MH2	1140	9.967	0.015	0.3	0.0000	0.0000	OK
2160 minute summer	MH3	1140	9.968	0.016	0.3	0.0000	0.0000	OK
2160 minute summer	MH4	1140	9.968	0.016	0.3	0.0000	0.0000	OK
2160 minute summer	MH5	1500	9.835	0.041	1.2	0.0116	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
2160 minute summer	MH6	Infiltration		0.6			
2160 minute summer	MH1	1.000	MH5	0.3	0.401	0.050	0.0079
2160 minute summer	MH2	2.000	MH5	0.3	0.401	0.050	0.0081
2160 minute summer	MH3	3.000	MH5	0.3	0.396	0.050	0.0019
2160 minute summer	MH4	4.000	MH5	0.3	0.395	0.050	0.0012
2160 minute summer	MH5	1.001	MH6	1.2	0.493	0.083	0.0284

**Results for 100 year +45% CC 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 (m ³)	Flood (m ³)	Status
2160 minute winter	MH6	1620	9.777	0.014	1.4	23.4984	0.0000	OK
2160 minute winter	MH1	1020	9.965	0.013	0.2	0.0000	0.0000	OK
2160 minute winter	MH2	1020	9.965	0.013	0.2	0.0000	0.0000	OK
2160 minute winter	MH3	1020	9.965	0.013	0.2	0.0000	0.0000	OK
2160 minute winter	MH4	1020	9.965	0.013	0.2	0.0000	0.0000	OK
2160 minute winter	MH5	1020	9.818	0.024	0.8	0.0069	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
2160 minute winter	MH6	Infiltration		0.6			
2160 minute winter	MH1	1.000	MH5	0.2	0.355	0.033	0.0059
2160 minute winter	MH2	2.000	MH5	0.2	0.355	0.033	0.0061
2160 minute winter	MH3	3.000	MH5	0.2	0.351	0.033	0.0014
2160 minute winter	MH4	4.000	MH5	0.2	0.351	0.033	0.0009
2160 minute winter	MH5	1.001	MH6	0.8	0.438	0.055	0.0085

**Results for 100 year +45% CC 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 (m ³)	Flood (m ³)	Status
2880 minute summer	MH6	1920	9.739	-0.024	1.5	21.0469	0.0000	OK
2880 minute summer	MH1	1440	9.965	0.013	0.2	0.0000	0.0000	OK
2880 minute summer	MH2	1440	9.965	0.013	0.2	0.0000	0.0000	OK
2880 minute summer	MH3	1440	9.965	0.013	0.2	0.0000	0.0000	OK
2880 minute summer	MH4	1440	9.965	0.013	0.2	0.0000	0.0000	OK
2880 minute summer	MH5	1440	9.818	0.024	0.8	0.0069	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
2880 minute summer	MH6	Infiltration		0.6			
2880 minute summer	MH1	1.000	MH5	0.2	0.355	0.033	0.0059
2880 minute summer	MH2	2.000	MH5	0.2	0.355	0.033	0.0061
2880 minute summer	MH3	3.000	MH5	0.2	0.351	0.033	0.0014
2880 minute summer	MH4	4.000	MH5	0.2	0.351	0.033	0.0009
2880 minute summer	MH5	1.001	MH6	0.8	0.438	0.055	0.0085

**Results for 100 year +45% CC 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 (m ³)	Flood (m ³)	Status
2880 minute winter	MH6	2040	9.614	-0.149	0.9	12.8429	0.0000	OK
2880 minute winter	MH1	960	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH2	960	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH3	960	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH4	960	9.961	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH5	960	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
2880 minute winter	MH6	Infiltration		0.6			
2880 minute winter	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
2880 minute winter	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
2880 minute winter	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
2880 minute winter	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
2880 minute winter	MH5	1.001	MH6	0.4	0.357	0.028	0.0052



Results for 100 year +45% 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	MH6	2700	9.657	-0.106	1.3	15.6065	0.0000	OK
4320 minute summer	MH1	2220	9.965	0.013	0.2	0.0000	0.0000	OK
4320 minute summer	MH2	2220	9.965	0.013	0.2	0.0000	0.0000	OK
4320 minute summer	MH3	2220	9.965	0.013	0.2	0.0000	0.0000	OK
4320 minute summer	MH4	2220	9.965	0.013	0.2	0.0000	0.0000	OK
4320 minute summer	MH5	2220	9.818	0.024	0.8	0.0069	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)
4320 minute summer	MH6	Infiltration		0.6			
4320 minute summer	MH1	1.000	MH5	0.2	0.355	0.033	0.0059
4320 minute summer	MH2	2.000	MH5	0.2	0.355	0.033	0.0061
4320 minute summer	MH3	3.000	MH5	0.2	0.351	0.033	0.0014
4320 minute summer	MH4	4.000	MH5	0.2	0.351	0.033	0.0009
4320 minute summer	MH5	1.001	MH6	0.8	0.438	0.055	0.0085

**Results for 100 year +45% 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 (m ³)	Flood (m ³)	Status
4320 minute winter	MH6	2880	9.566	-0.197	0.7	9.6578	0.0000	OK
4320 minute winter	MH1	1560	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH2	1560	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH3	1560	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH4	1560	9.961	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH5	1560	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
4320 minute winter	MH6	Infiltration		0.6			
4320 minute winter	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
4320 minute winter	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
4320 minute winter	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
4320 minute winter	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
4320 minute winter	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 100 year +45% 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 (m ³)	Flood (m ³)	Status
5760 minute summer	MH6	3480	9.583	-0.180	0.8	10.7839	0.0000	OK
5760 minute summer	MH1	2400	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH2	2400	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH3	2400	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH4	2400	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH5	2400	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
5760 minute summer	MH6	Infiltration		0.6			
5760 minute summer	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
5760 minute summer	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
5760 minute summer	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
5760 minute summer	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
5760 minute summer	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 100 year +45% 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 (m ³)	Flood (m ³)	Status
5760 minute winter	MH6	3660	9.535	-0.228	0.7	7.6435	0.0000	OK
5760 minute winter	MH1	2220	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	MH2	2220	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	MH3	2220	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	MH4	2220	9.961	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	MH5	2220	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
5760 minute winter	MH6	Infiltration		0.6			
5760 minute winter	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
5760 minute winter	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
5760 minute winter	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
5760 minute winter	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
5760 minute winter	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 100 year +45% 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 (m ³)	Flood (m ³)	Status
7200 minute summer	MH6	4320	9.566	-0.197	0.8	9.6485	0.0000	OK
7200 minute summer	MH1	3000	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH2	3000	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH3	3000	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH4	3000	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH5	3000	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
7200 minute summer	MH6	Infiltration		0.6			
7200 minute summer	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
7200 minute summer	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
7200 minute summer	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
7200 minute summer	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
7200 minute summer	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 100 year +45% 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 (m ³)	Flood (m ³)	Status
7200 minute winter	MH6	4440	9.494	-0.269	0.6	4.9075	0.0000	OK
7200 minute winter	MH1	2880	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	MH2	2880	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	MH3	2880	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	MH4	2880	9.961	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	MH5	2880	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
7200 minute winter	MH6	Infiltration		0.6			
7200 minute winter	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
7200 minute winter	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
7200 minute winter	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
7200 minute winter	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
7200 minute winter	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 100 year +45% 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 (m ³)	Flood (m ³)	Status
8640 minute summer	MH6	5040	9.544	-0.219	0.7	8.2195	0.0000	OK
8640 minute summer	MH1	3720	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH2	3720	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH3	3720	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH4	3720	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH5	3720	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
8640 minute summer	MH6	Infiltration		0.6			
8640 minute summer	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
8640 minute summer	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
8640 minute summer	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
8640 minute summer	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
8640 minute summer	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 100 year +45% 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 (m ³)	Flood (m ³)	Status
8640 minute winter	MH6	5100	9.492	-0.271	0.6	4.7635	0.0000	OK
8640 minute winter	MH1	3660	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	MH2	3660	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	MH3	3660	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	MH4	3660	9.961	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	MH5	3660	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
8640 minute winter	MH6	Infiltration		0.6			
8640 minute winter	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
8640 minute winter	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
8640 minute winter	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
8640 minute winter	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
8640 minute winter	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

**Results for 100 year +45% 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 (m ³)	Flood (m ³)	Status
10080 minute summer	MH6	5760	9.533	-0.230	0.7	7.4995	0.0000	OK
10080 minute summer	MH1	4440	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH2	4440	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH3	4440	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH4	4440	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH5	4440	9.811	0.017	0.4	0.0049	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
10080 minute summer	MH6	Infiltration		0.6			
10080 minute summer	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
10080 minute summer	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
10080 minute summer	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
10080 minute summer	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
10080 minute summer	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

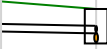
**Results for 100 year +45% CC 10080 minute winter. 10320 minute analysis at 60 minute timestep. Mass balance: 100.00%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m ³)	Flood (m ³)	Status
10080 minute winter	MH6	5760	9.489	-0.274	0.6	4.6195	0.0000	OK
10080 minute winter	MH1	4440	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	MH2	4440	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	MH3	4440	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	MH4	4440	9.961	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	MH5	4440	9.811	0.017	0.4	0.0049	0.0000	OK

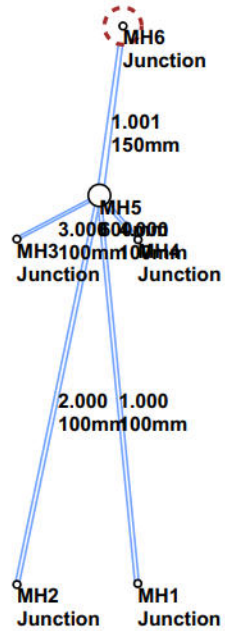
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m ³)
10080 minute winter	MH6	Infiltration		0.6			
10080 minute winter	MH1	1.000	MH5	0.1	0.289	0.017	0.0037
10080 minute winter	MH2	2.000	MH5	0.1	0.289	0.017	0.0037
10080 minute winter	MH3	3.000	MH5	0.1	0.286	0.017	0.0009
10080 minute winter	MH4	4.000	MH5	0.1	0.286	0.017	0.0006
10080 minute winter	MH5	1.001	MH6	0.4	0.357	0.028	0.0052

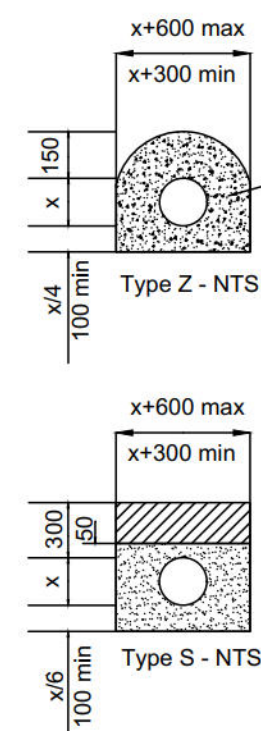
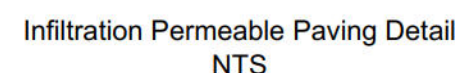
Node Name		MH1	MH5	MH6
A4 drawing Hor Scale 200 Ver Scale 100 Datum (m) 4.000				
	Link Name	1.000	1.001	
	Section Type	100mm	150mm	
	Slope (1:X)	100.0	150.0	
	Cover Level (m)	10.350	10.250	10.130
Invert Level (m)		9.952	9.846 9.794	9.763
Length (m)		10.560	4.629	

Node Name		MH2	MH5
A4 drawing Hor Scale 200 Ver Scale 100 Datum (m) 4.000			
	Link Name	2.000	
	Section Type	100mm	
	Slope (1:X)	100.0	
	Cover Level (m)	10.350	10.250
Invert Level (m)		9.952	9.844
Length (m)		10.766	

Node Name		MH3	MH5
A4 drawing Hor Scale 200 Ver Scale 100 Datum (m) 4.000			
		3.000	
		100mm	
		100.0	
		10.350	10.250
Invert Level (m)		9.952	9.927
Length (m)		2.515	

Node Name	MH4 MH5	
A4 drawing Hor Scale 200 Ver Scale 100 Datum (m) 4.000		
	Link Name	4.000
	Section Type	100m
	Slope (1:X)	100.0
	Cover Level (m)	10.350 10.250
Invert Level (m)	9.952 9.936	
Length (m)	1.586	





1. All dimensions are in mm
2. Dimension z is the external diameter of the pipe.
3. The minimum or maximum width of the trench applies on and below line 300mm above the outside top of the pipe. Above 300mm line the trench backfill material shall be as described in Clause 505 of SHW.
4. The concrete bed or surround may extend to the sides of the trench or be of minimum width. Class 8 material is to be used to fill any voids so formed.
5. For Type Z trench the concrete cover may be formed to a radius batter or horizontal surface. Min cover of concrete shall be 150.

Permeable Paving
Min GL of Permeable Paving = 10.130
Top of gravel sub-base attenuation = 10.000
IL of gravel sub-base attenuation = 9.419
Gravel sub-base volume = $219\text{m}^2 \times 580\text{mm deep} \times 0.30$
(voids)
 38.1m^3 of attenuation storage

- Notes:**
1. Discharge of surface water via permeable paving. Preliminary calculations indicate that sufficient storage required to attenuate runoff arising from the proposed impermeable areas being drained, during the critical 1 in 100 year + 45% Climate Change event, can be provided within permeable paving with a gravel sub-base of dimensions 219m² x 0.580m deep x 0.3 (voids).
 2. All levels are arbitrary.
 3. Proposed site and drainage levels to be confirmed at the detailed design stage.

Legend

-  Proposed Permeable Paving
-  Proposed Surface Water Pipework
-  Proposed Surface Water Manhole
-  Proposed Surface Water Downpipe
-  Proposed Permeavoid Diffuser
-  5m Offset From Proposed Dwellings
-  Design Exceedance Route
-  Proposed Water Butt
-  MH1 Catchment
-  MH2 Catchment
-  MH3 Catchment
-  MH4 Catchment



Unda Consulting Limited Tel: 01293 214444
Unit 3 Email: info@unda.co.uk
Oak Cottage Web: www.unda.co.uk
County Oak Way
County Oak
Crawley
RH11 7ST

Client:
Glenn Heaven

Site Address:
Pippin Cottage
Yapton
BN18 0DS

Job Reference: 95823-RecOrdArch-PippinCttn	Date: 11-Jun-26
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Drawing Number: 95823-01	Revision: v1
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Designed by: AR	Drawn by: AR	Checked by: EW
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Scale: 1:100@A2	Disclaimer: The drawings provided are for planning purposes only.
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Annex 3: Flood Risk Vulnerability Classification	
Essential Infrastructure:	• Essential transport infrastructure (including mass evacuation routes) which has to cross the area at risk. • Essential utility infrastructure which has to be located in a flood risk area for operational reasons, including infrastructure for electricity supply including generation, storage and distribution systems; including electricity generating power stations, grid and primary substations storage; and water treatment works that need to remain operational in times of flood. • Wind turbines. • Solar farms.
Highly Vulnerable:	• Police and ambulance stations; fire stations and command centres; telecommunications installations required to be operational during flooding. • Emergency dispersal points. • Basement dwellings. • Caravans, mobile homes and park homes intended for permanent residential use. • Installations requiring hazardous substances consent. (Where there is a demonstrable need to locate such installations for bulk storage of materials with port or other similar facilities, or such installations with energy infrastructure or carbon capture and storage installations, that require coastal or water-side locations, or need to be located in other high flood risk areas, in these instances the facilities should be classified as 'Essential Infrastructure'.)
More Vulnerable: * Landfill is as defined in Schedule 10 of the Environmental Permitting (England and Wales) Regulations 2010	• Hospitals. • Residential institutions such as residential care homes, children's homes, social services homes, prisons and hostels. • Buildings used for dwelling houses, student halls of residence, drinking establishments, nightclubs and hotels. • Non-residential uses for health services, nurseries and educational establishments. • Landfill* and sites used for waste management facilities for hazardous waste. • Sites used for holiday or short-let caravans and camping, subject to a specific warning and evacuation plan.
Less Vulnerable:	• Police, ambulance and fire stations which are not required to be operational during flooding. • Buildings used for shops; financial, professional and other services; restaurants, cafes and hot food takeaways; offices; general industry, storage and distribution; non-residential institutions not included in the 'more vulnerable' class; and assembly and leisure. • Land and buildings used for agriculture and forestry. • Waste treatment (except landfill* and hazardous waste facilities). • Minerals working and processing (except for sand and gravel working). • Water treatment works which do not need to remain operational during times of flood. • Sewage treatment works, if adequate measures to control pollution and manage sewage during flooding events are in place. • Car parks.
Water-Compatible Development:	• Flood control infrastructure. • Water transmission infrastructure and pumping stations. • Sewage transmission infrastructure and pumping stations. • Sand and gravel working. • Docks, marinas and wharves. • Navigation facilities. • Ministry of Defence installations. • Ship building, repairing and dismantling, dockside fish processing and refrigeration and compatible activities requiring a waterside location. • Water-based recreation (excluding sleeping accommodation). • Lifeguard and coastguard stations. • Amenity open space, nature conservation and biodiversity, outdoor sports and recreation and essential facilities such as changing rooms. • Essential ancillary sleeping or residential accommodation for staff required by uses in this category, subject to a specific warning and evacuation plan.

National Planning Policy Framework Annex 3: Flood risk vulnerability classification