

Surface and Foul Water Drainage Technical Note

September 2026

Our reference:

97708-Jolliff-CraysBrn

Prepared for:

Jolliff Developments NTS
LTD

Location:

Crays Barn
Crays Lane
Goose Green
Pulborough
West Sussex
RH20 2LR



Document Issue Record

Project Details	
Project:	Surface and Foul Water Drainage Technical Note
Prepared for:	Jolliff Developments NTS LTD
Application:	Demolition of 2no. agricultural buildings and the erection of 3no. dwellings
Location:	Crays Barn, Crays Lane, Goose Green, Pulborough, West Sussex, RH20 2LR
Our reference:	97708-Jolliff-CraysBrn
Issue no.:	v1.0
Issue date:	9 th September 2026

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1. Introduction

- 1.1. This Surface and Foul Water Drainage Technical Note has been prepared by Unda Consulting Limited on behalf of Jolliff Developments NTS LTD, to address Condition 4 of a planning application.
- 1.2. The planning application relates to the demolition of 2no. agricultural buildings and the erection of 3no. dwellings. These works are proposed to be undertaken at Crays Barn, Crays Lane, Goose Green, Pulborough, West Sussex, RH20 2LR.
- 1.3. Post development the proposed driveways, dwelling and garage roof areas will cover approximately 640m².
- 1.4. This report assesses the surface and foul water drainage arrangement for the proposed development, which forms Condition 4 of a planning application. Condition 4 states the following:

Condition 4:

Pre-Commencement Condition: No development other than demolition shall commence until a drainage strategy detailing the proposed means of foul and surface water disposal has been submitted to and approved in writing by the Local Planning Authority. The development shall be carried out in accordance with the approved scheme.

Reason: As this matter is fundamental to ensure that the development is properly drained and to comply with Policy 38 of the Horsham District Planning Framework (2015).

- 1.5. This Technical Note provides the information required to address the surface and foul water elements of planning application Condition 4.

2. Existing Site

- 2.1. The site is currently occupied by agricultural buildings.
- 2.2. The surrounding area is characterised by fields and woodland.
- 2.3. Existing plans are provided in the report Appendix.



Figure 1: Aerial view of the site and surrounding area (Source: Google Earth)

Site Topography:

- 2.4. Environment Agency LiDAR has been used to assess the topography across the site and wider area. Light Detection and Ranging (LiDAR) is an airborne mapping technique, which uses a laser to measure the distance between the aircraft and the ground surface. Up to 100,000 measurements per second are made of the ground, allowing highly detailed terrain models to be generated at high spatial resolutions. The EA's LiDAR data archive contains digital elevation data derived from surveys carried out by the EA's specialist remote sensing team. Accurate elevation data is available for over 70% of England. The LiDAR technique records an elevation accurate to +/-5cm to 15cm with spatial resolutions ranging from 25cm to 2 metres. This dataset is derived from a combination of the full dataset which has been merged and re-sampled to give the best possible coverage. The dataset can be supplied as a Digital Surface Model (DSM) produced from the signal returned to the LiDAR (which includes heights of objects, such as vehicles, buildings and vegetation, as well as the terrain surface) or as a Digital Terrain Model (DTM) produced by removing objects from the Digital Surface Model. 1.0m horizontal resolution DTM LiDAR data has been used for the purposes of this study.
- 2.5. LiDAR remotely sensed digital elevation data suggests that the ground topography on site ranges from approximately 29.18mAOD to 30.19mAOD.

- 2.6. An arbitrary levels survey has been provided by the applicant that shows the fall from the site to the ditch to the north.



Figure 2: Site levels Plan (Source: New Form Architecture)

Existing Ground Conditions:

- 2.7. The 1:50,000 BGS map shows that the bedrock underlying the site is Weald Clay Formation-Mudstone.
- 2.8. The BGS mapping shows there are no superficial deposits underlying the site.
- 2.9. The soil type taken from the UKSO Soil Map Viewer shows the site to be located upon relatively deep soils of claystone/ mudstone parent material with a soil texture of clay to clayey loam.
- 2.10. The published Environment Agency Groundwater Source Protection Zone map shows the site is not located within a Source Protection Zone.

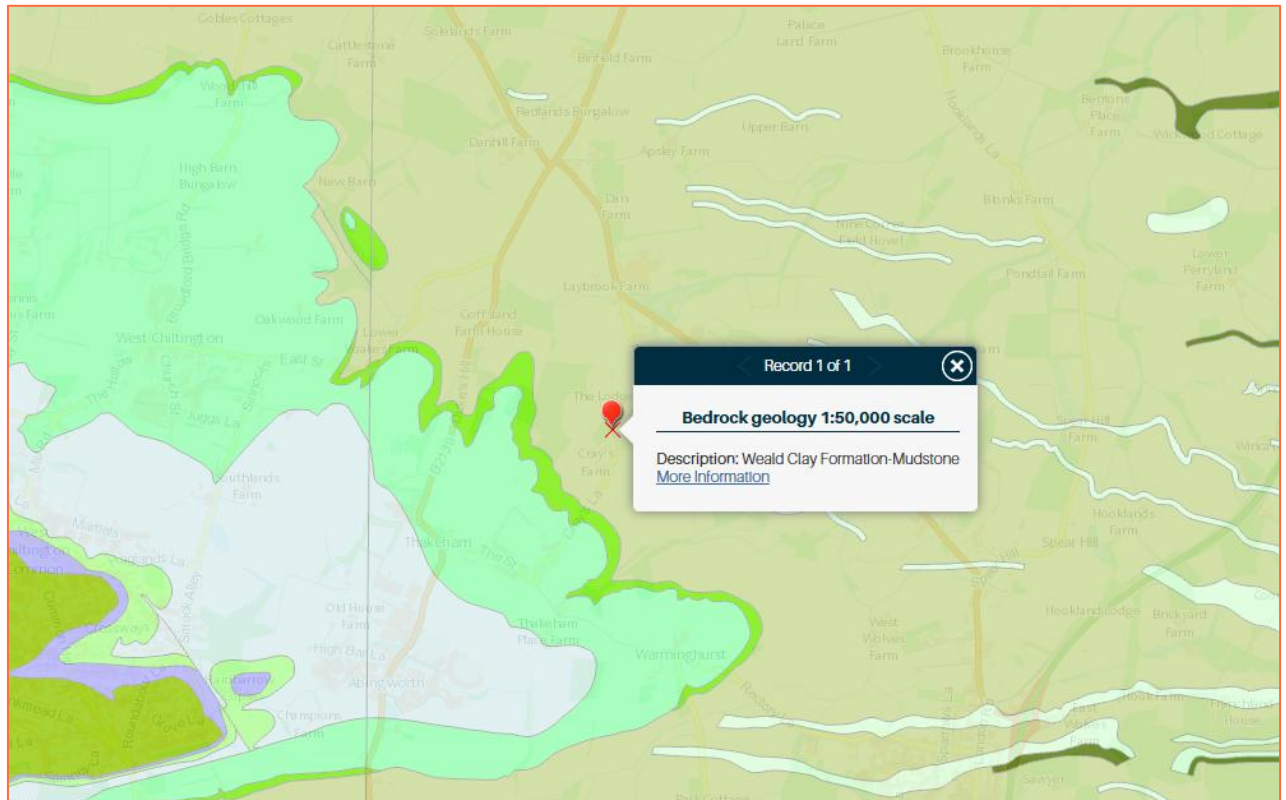


Figure 3: BGS Bedrock Geology (Source: BGS)

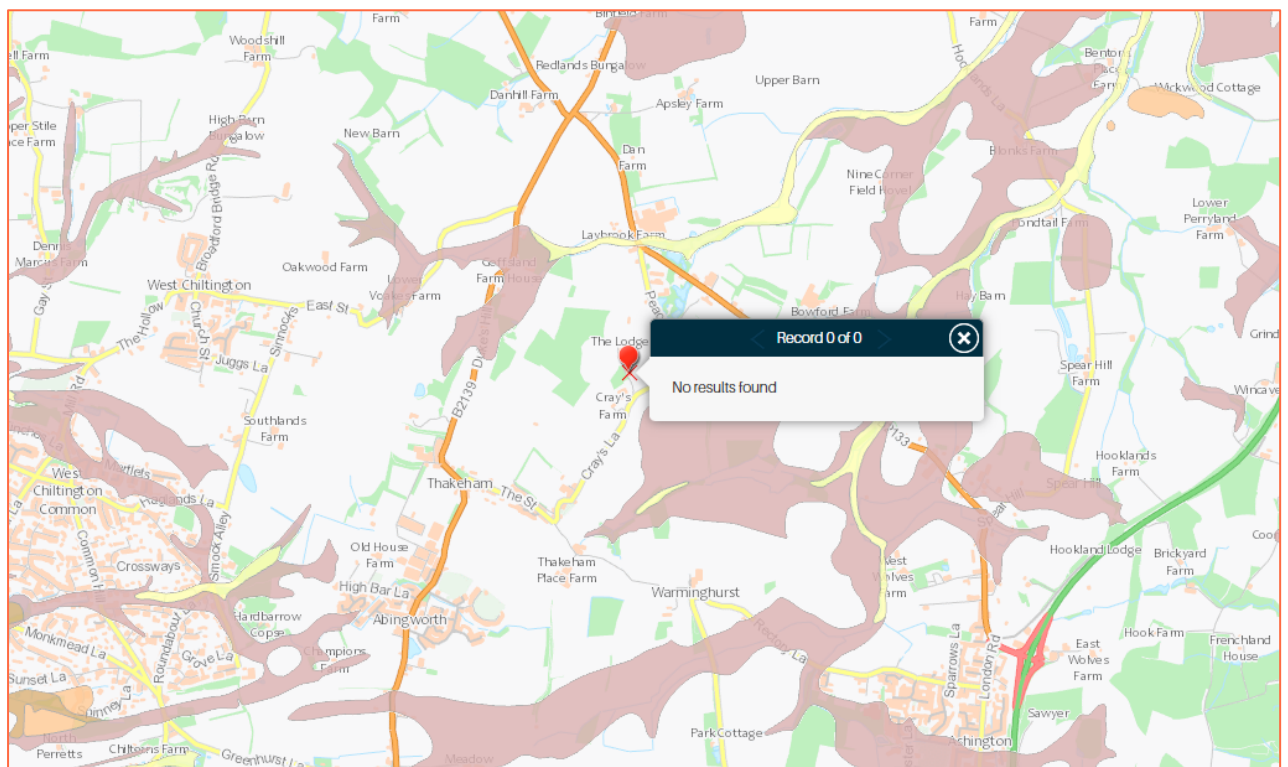


Figure 4: BGS Superficial Deposits (Source: BGS)

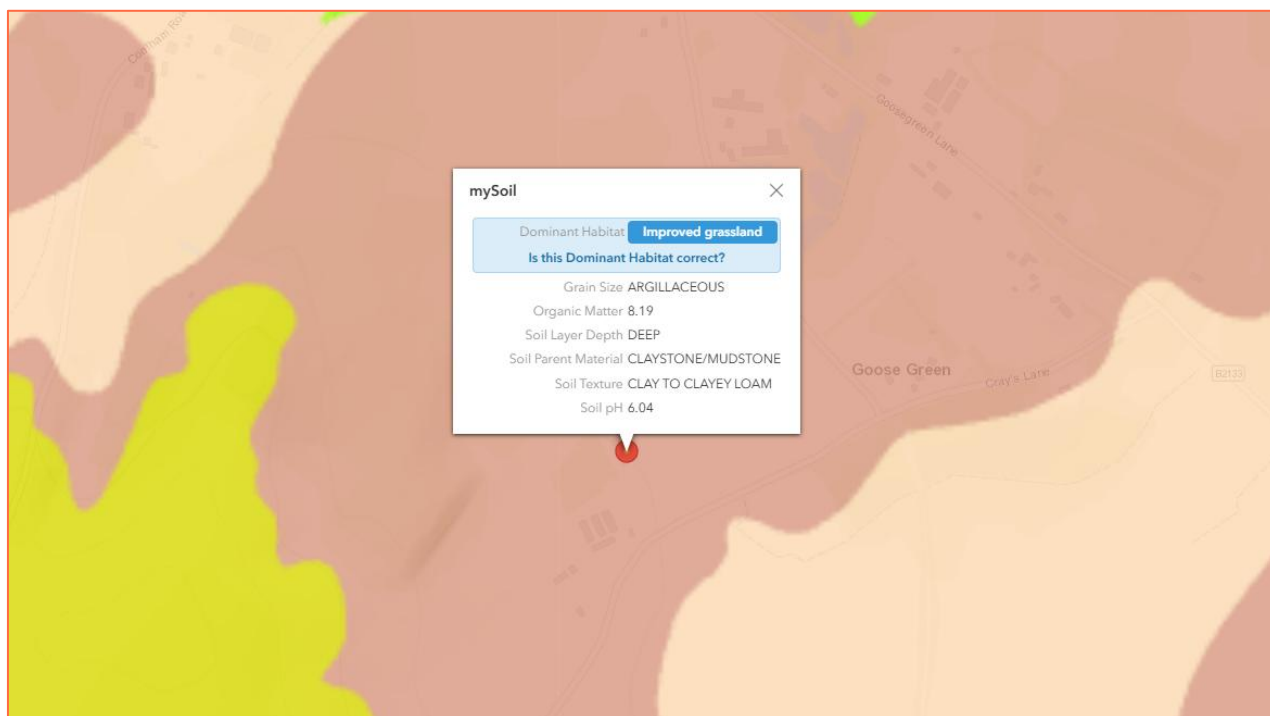


Figure 5: Soil map (Source: UK Soils, BGS)

Nearby Watercourses / Drainage Features:

- 2.11. A ditch is located approximately 56 m to the north of the site boundary. The ditch flows east towards Peacock Lane before turning north and passing beneath Peacock Lane via a culvert.
- 2.12. A further ditch is located approximately 96 m to the south of the site boundary, which the applicant has confirmed contains water throughout the year. This ditch flows northeast alongside Crays Lane before passing beneath Crays Lane via a culvert.
- 2.13. The photographs corresponding with the locations shown on Figure 6 are provided in Appendix D. The photographs were taken in late summer 2026 following a prolonged period of dry weather.



Figure 6: Connectivity of the relevant ditches in the local area (Source: Applicant)

3. Development Proposal

- 3.1. Discharge of Planning Condition 4 is for the demolition of 2no. agricultural buildings and the erection of 3no. dwellings at Crays Barn, Crays Lane, Goose Green, Pulborough, West Sussex, RH20 2LR.
- 3.2. Post development the proposed driveways, dwelling and garage roof areas will cover approximately 640m².
- 3.3. Proposed plans are provided in the report Appendix.

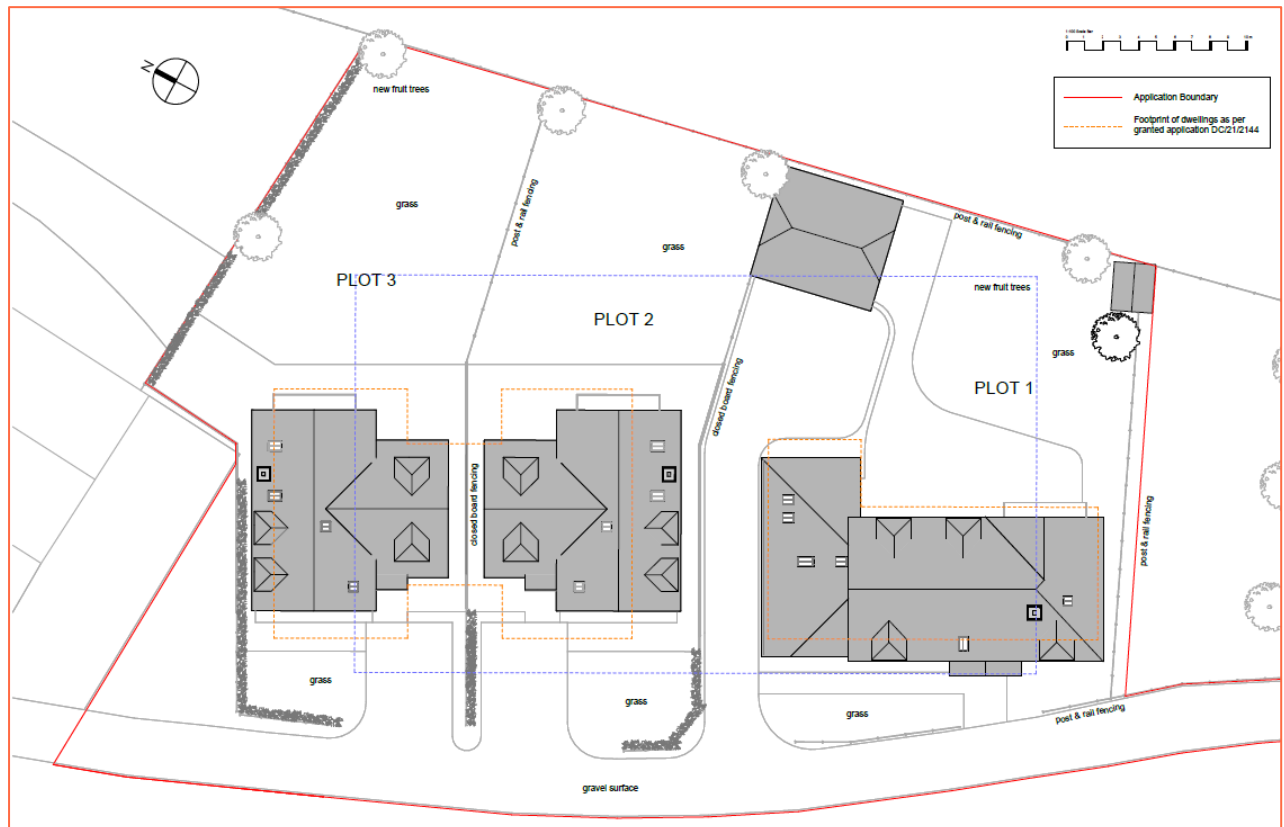


Figure 7: Proposed site/ roof plan (Source: New Form Architecture)

4. Surface Water Drainage Strategy

Existing Drainage:

- 4.1. The surface water runoff from the existing building onsite is understood to drain into the ditch to the north of the site at an unattenuated rate.

Drainage Hierarchy:

- 4.2. In order to mitigate flood risk posed by post development runoff, adequate control measures will need to be considered within the site. This will ensure that surface water runoff is dealt with at source and flood risk is not increased elsewhere.
- 4.3. The drainage strategy for the site has been prepared according to the drainage discharge hierarchy from CIRIA C753 The SuDS Manual, as follows:
1. Infiltration to the maximum extent that is practical;
 2. Discharge to surface waters;
 3. Discharge to surface water sewer;
 4. Discharge to combined sewer.

Infiltration Potential:

- 4.4. The 1:50,000 BGS map showed the site to be located upon the bedrock of Weald Clay Formation-Mudstone. The soil type taken from the UKSO Soil Map Viewer shows the site to be located upon relatively deep soils of claystone/mudstone parent material with a soil texture of clay to clayey loam.
- 4.5. BRE 365 infiltration testing undertaken at the site confirmed that infiltration SuDS are not feasible, as the test pits did not drain sufficiently over a period of three days.

Proposed Discharge Rate and Location:

- 4.6. The greenfield runoff rate for all areas of the site being attenuated has been calculated as 0.3 l/s for the 1:1 annual runoff event, 0.9 l/s for the 1:30 year event and 1.2 l/s for the 1:100 year event. The QBar for all areas of the site being attenuated has been calculated as 0.4 l/s. Refer to calculations in Appendix.
- 4.7. Runoff from the proposed driveways, dwelling and garage roof areas will be directed into the cellular storage located beneath the rear garden of each plot. From the cellular storage, runoff will be gradually discharged to the watercourse to the north of the site via orifice plates. The total discharge rate from the site for the 1:100 year plus climate change event will be 0.5 l/s.
- 4.8. Due to the small diameter of the orifice plates downstream of the cellular storage attenuation, a high-level overflow weir will be fitted to allow discharge should the orifice become blocked.
- 4.9. Water butts will be incorporated where feasible.
- 4.10. All remaining new ground surfaces will be of permeable construction.

Cellular Storage Attenuation Plot 1:

- 4.11. The proposed area discharging into the cellular storage amounts to approximately 343m².

- 4.12. In order to comply with CIRIA C753 The SuDS Manual, a 10% allowance will be added to take into account future urban creep. Applying a 10% allowance to all areas discharging to cellular storage gives a value of 377.3m². Therefore, all cellular storage drainage calculations have been made on a basis of a total impermeable area of 377.3m².
- 4.13. Preliminary calculations indicate that sufficient storage required to attenuate runoff from the proposed driveway, dwelling and garage roof areas arising from the critical 1:100 year + 45% climate change event can be provided by cellular storage of dimensions 57m² x 0.80m x 0.95 (voids).
- 4.14. Preliminary calculations indicated that some 43.32m³ of storage is required to attenuate the runoff for all storms up to and including the 1:100 year + 45% climate change event.
- 4.15. *Please note that the levels and locations of the cellular storage within the Causeway calculations are arbitrary for modelling purposes.*
- 4.16. All preliminary surface water drainage calculations have been undertaken using Causeway software. Refer to Appendix.

Cellular Storage Attenuation Plot 2:

- 4.17. The proposed area discharging into the cellular storage amounts to approximately 149m².
- 4.18. In order to comply with CIRIA C753 The SuDS Manual, a 10% allowance will be added to take into account future urban creep. Applying a 10% allowance to all areas discharging to cellular storage gives a value of 163.9m². Therefore, all cellular storage drainage calculations have been made on a basis of a total impermeable area of 163.9m².
- 4.19. Preliminary calculations indicate that sufficient storage required to attenuate runoff from the proposed driveway and dwelling roof area arising from the critical 1:100 year + 45% climate change event can be provided by cellular storage of dimensions 49m² x 0.40m x 0.95 (voids).
- 4.20. Preliminary calculations indicated that some 18.62m³ of storage is required to attenuate the runoff for all storms up to and including the 1:100 year + 45% climate change event.
- 4.21. *Please note that the levels and locations of the cellular storage within the Causeway calculations are arbitrary for modelling purposes.*
- 4.22. All preliminary surface water drainage calculations have been undertaken using Causeway software. Refer to Appendix.

Cellular Storage Attenuation Plot 3:

- 4.23. The proposed area discharging into the cellular storage amounts to approximately 148m².
- 4.24. In order to comply with CIRIA C753 The SuDS Manual, a 10% allowance will be added to take into account future urban creep. Applying a 10% allowance to all areas discharging to cellular storage gives a value of 162.8m². Therefore, all cellular storage drainage calculations have been made on a basis of a total impermeable area of 162.8m².
- 4.25. Preliminary calculations indicate that sufficient storage required to attenuate runoff from the proposed driveway and dwelling roof area arising from the critical 1:100 year + 45% climate change event can be provided by cellular storage of dimensions 49m² x 0.40m x 0.95 (voids).

- 4.26. Preliminary calculations indicated that some 18.62m³ of storage is required to attenuate the runoff for all storms up to and including the 1:100 year + 45% climate change event.
- 4.27. *Please note that the levels and locations of the cellular storage within the Causeway calculations are arbitrary for modelling purposes.*
- 4.28. All preliminary surface water drainage calculations have been undertaken using Causeway software. Refer to Appendix.

Water Quality:

- 4.29. Water quality has been assessed in line with the Simple Index approach from Chapter 26 of CIRIA C753 The SuDS Manual:

Step 1 – Allocate suitable pollution hazard indices for the proposed land use.

Step 2 – Select SuDS with a total pollution mitigation index that equals or exceeds the pollution hazard index.

- 4.30. The highest pollution hazard level for the proposed land use is Low (residential car parks). The pollution hazard indices for this land use are shown in the table below.

Land Uses	Pollution Hazard Level	Total Suspended Solids (TSS)	Metals	Hydrocarbons
Residential car parks	Low	0.5	0.4	0.4

Table 1: Pollution hazard indices for the proposed site (from Table 26.2 of CIRIA C753 The SuDS Manual)

- 4.31. All SuDS components are assessed for their effectiveness in pollutant removal prior to discharge in Table 26.3 in CIRIA C753 The SuDS Manual. The pollution mitigation indices for the Downstream Defender Vortex Plus are shown in the Table below.

SuDS Component	Total Suspended Solids (TSS)	Metals	Hydrocarbons
Downstream Defender Vortex Plus	0.5	0.4	0.5

Table 2: Pollution mitigation hazard indices for the Downstream Defender Vortex Plus

- 4.32. The Pollution Mitigation Indices for the Downstream Defender Vortex Plus are greater than the Pollution Hazard Indices for residential car parks. Therefore, the Downstream Defender Vortex Plus (or similar) will provide sufficient water quality treatment.
- 4.33. Roof water will contain negligible contaminant concentrations and does not warrant treatment. Nevertheless, it is suggested to include debris / sediment traps on any new drainage.

Design Exceedance:

- 4.34. Should the onsite drainage system fail under extreme rainfall events or blockage, flooding may occur within the site. In the event of the drainage system failure, the runoff flow can be managed through detailing the new external levels to direct water away from structures.

Adoption and Maintenance:

- 4.35. It is proposed that all SuDS facilities will be maintained privately by the end users.
- 4.36. A draft Maintenance Schedule is outlined below.

- 4.37. In addition, it is recommended that all drainage elements are inspected following the first storm event and monthly for the first 3 months following commissioning.

Cellular Storage:

- 4.38. It is not envisaged that silt build up within the cellular crate systems will require a rigorous maintenance regime so long as silt is removed from upstream catch pits and inspection chambers on a regular basis. Notwithstanding this, a suitable maintenance regime is outlined in the table below.

Maintenance Schedule	Action	Frequency
Routine Maintenance	• Remove silt build-up from system.	Action as required.
	• Remove debris from catchment surface if it may cause risks to performance.	Action as required.
Remedial Actions	• Repair inlets, outlets and overflows.	Action as required.
Monitoring	• CCTV inspection of crates for silt build-up to establish silt removal frequencies.	Following first storm event and every five years thereafter.
	• Inspection of inlet, outlet and overflow pipework for silt accumulation to establish silt removal frequencies.	Monthly for first 3 months and annually thereafter.
	• Inspection of inlets, outlets and overflows to ensure they are functioning correctly.	Annually.

Table 3: Suggested maintenance regime for cellular storage

- 4.39. Inspection and maintenance access can be gained via inspection chambers and inlet pipework.
- 4.40. Jetting should be undertaken in accordance with current jetting guidelines, particularly the Sewer Jetting Code of Practice published by The Water Research Centre. Jetting at 150 bar at 300 l/min should be more than adequate in removing any build-up of material. However, unlike regular jetting which relies heavily on high pressure to remove hardened deposits on the inner bore of pipes, effective cleansing of a crate system relies more on the delivery flow rate to flush solids back through the system.
- 4.41. A standard jet head with rear facing nozzles should be used. The head should be fed to the far end of the crate tunnel via the nearest inspection chamber, activated and retracted. As the nozzle is removed, debris will be swept back into the inspection chamber where it can then be removed with the use of a standard gully sucker. This method will ensure the effective removal of gross solids (carrier bags, cans, leaf litter etc.) from the system. Whilst 100% removal cannot be guaranteed, it has been shown that this jetting method will also remove an element of finer material which would otherwise be 'lost' within the system.

Water Butts:

- 4.42. Water butts should be maintained in line with manufacturer's guidance. However, some general maintenance and checks are outlined in the following table.

Maintenance Schedule	Action	Frequency
Routine Maintenance	• Clean debris or sediment build-up from inlets/outlets.	Every three months.
	• Remove and clean filter by soaking in a mixture of vinegar and water.	Every three months.
Occasional Maintenance	• Wash exterior with soapy water, a coarse brush and jet hose. • Clean interior of water butt with disinfectant.	Annually.
	• Descale using a mixture of vinegar and water.	Action as required.
Remedial Actions	• Replace lid if not fitting tightly.	Action as required.
Monitoring	• Monitor interior for evidence of stagnation, algae formation or limescale.	Every three months.
	• Inspect for signs of damage or cracking. • Ensure lid is fitting correctly.	Every three months.

Table 4: Suggested maintenance regime for water butts

Pipework, Inspection Chambers, Catchpits and Flow Controls

- 4.43. It is not envisaged that silt build up within the pipework systems will require a rigorous maintenance regime so long as silt is removed from upstream catch pits on a regular basis. Notwithstanding this, a suitable maintenance regime for the systems is outlined in the table below.

Maintenance Schedule	Action	Frequency
Routine Maintenance	• Remove silt and debris from inspection chambers, catchpits and flow controls. • Cleaning of gutters and downpipe filters.	Annually or as required.
	• Remove root ingress.	Action as required.
Monitoring	• Inspect for silt and debris.	Every three months.
	• CCTV survey of drainage system to identify alignment issues, cracked pipes or leaking joints.	Every 10 years.

Table 5: Suggested maintenance regime for pipework, inspection chambers, catchpits and flow controls

Downstream Defender Vortex Plus (or similar):

- 4.44. The Downstream Defender Vortex Plus (or similar) should be maintained in line with manufacturer's guidance.

5. Foul Drainage Strategy

Existing Drainage:

- 5.1. It is understood that there are no public sewers within the vicinity of the site.

Foul Drainage Hierarchy:

- 5.2. The drainage strategy for the site has been prepared according to the drainage discharge hierarchy from the NPPF, as follows.
1. Connection to public sewer;
 2. Installation of a package sewage treatment works;
 3. Installation of a septic tank.

Proposed Foul Drainage:

- 5.3. Post development, foul water will be discharged to a ditch to the south of the site via three sewage treatment plants and a pump.
- 5.4. Marsh has confirmed that a Marsh Ensign 6 PE sewage treatment plant would be suitable for each plot. Therefore, this unit, or similar, will be utilised.
- 5.5. The proposed development is for the demolition of 2no. agricultural buildings and the erection of 3no. dwellings. Proposed pipework will be sized to accommodate flows from each dwelling.

Adoption and Maintenance:

- 5.6. The sewers will be designed to an adoptable standard (where feasible).

6. Discussion and Conclusion

- 6.1. This Surface and Foul Water Drainage Technical Note has been prepared by Unda Consulting Limited on behalf of Jolliff Developments NTS LTD, to address Condition 4 of a planning application.
- 6.2. The planning application relates to the demolition of 2no. agricultural buildings and the erection of 3no. dwellings. These works are proposed to be undertaken at Crays Barn, Crays Lane, Goose Green, Pulborough, West Sussex, RH20 2LR.
- 6.3. Post development the proposed driveways, dwelling and garage roof areas will cover approximately 640m².
- 6.4. This report assesses the surface and foul water drainage arrangement for the proposed development, which forms Condition 4 of a planning application. Condition 4 states the following:

Condition 4:

Pre-Commencement Condition: No development other than demolition shall commence until a drainage strategy detailing the proposed means of foul and surface water disposal has been submitted to and approved in writing by the Local Planning Authority. The development shall be carried out in accordance with the approved scheme.

Reason: As this matter is fundamental to ensure that the development is properly drained and to comply with Policy 38 of the Horsham District Planning Framework (2015).

- 6.5. The site is currently occupied by agricultural buildings. The surrounding area is characterised by fields and woodland.
- 6.6. LiDAR remotely sensed digital elevation data suggests that the ground topography on site ranges from approximately 29.18mAOD to 30.19mAOD.
- 6.7. The 1:50,000 BGS map shows that the bedrock underlying the site is Weald Clay Formation-Mudstone.
- 6.8. The BGS mapping shows there are no superficial deposits underlying the site.
- 6.9. The soil type taken from the UKSO Soil Map Viewer shows the site to be located upon relatively deep soils of claystone/ mudstone parent material with a soil texture of clay to clayey loam.
- 6.10. The published Environment Agency Groundwater Source Protection Zone map shows the site is not located within a Source Protection Zone.

Surface Water Drainage Discussion:

- 6.11. The surface water runoff from the existing building onsite is understood to drain into the ditch to the north of the site at an unattenuated rate.
- 6.12. BRE 365 infiltration testing undertaken at the site confirmed that infiltration SuDS are not feasible, as the test pits did not drain sufficiently over a period of three days.
- 6.13. The greenfield runoff rate for all areas of the site being attenuated has been calculated as 0.3 l/s for the 1:1 annual runoff event, 0.9 l/s for the 1:30 year event and 1.2 l/s for the 1:100 year event. The QBar for all areas of the site being attenuated has been calculated as 0.4 l/s. Refer to calculations in Appendix.

- 6.14. Runoff from the proposed driveways, dwelling and garage roof areas will be directed into the cellular storage located beneath the rear garden of each plot. From the cellular storage, runoff will be gradually discharged to the watercourse to the north of the site via orifice plates. The total discharge rate from the site for the 1:100 year plus climate change event will be 0.5 l/s.
- 6.15. Due to the small diameter of the orifice plates downstream of the cellular storage attenuation, a high-level overflow weir will be fitted to allow discharge should the orifice become blocked.
- 6.16. Water butts will be incorporated where feasible.
- 6.17. All remaining new ground surfaces will be of permeable construction.

Cellular Storage Attenuation Plot 1

- 6.18. The proposed area discharging into the cellular storage amounts to approximately 343m².
- 6.19. In order to comply with CIRIA C753 The SuDS Manual, a 10% allowance will be added to take into account future urban creep. Applying a 10% allowance to all areas discharging to cellular storage gives a value of 377.3m². Therefore, all cellular storage drainage calculations have been made on a basis of a total impermeable area of 377.3m².
- 6.20. Preliminary calculations indicate that sufficient storage required to attenuate runoff from the proposed driveway, dwelling and garage roof areas arising from the critical 1:100 year + 45% climate change event can be provided by cellular storage of dimensions 57m² x 0.80m x 0.95 (voids).
- 6.21. Preliminary calculations indicated that some 43.32m³ of storage is required to attenuate the runoff for all storms up to and including the 1:100 year + 45% climate change event.
- 6.22. *Please note that the levels and locations of the cellular storage within the Causeway calculations are arbitrary for modelling purposes.*
- 6.23. All preliminary surface water drainage calculations have been undertaken using Causeway software. Refer to Appendix.

Cellular Storage Attenuation Plot 2

- 6.24. The proposed area discharging into the cellular storage amounts to approximately 149m².
- 6.25. In order to comply with CIRIA C753 The SuDS Manual, a 10% allowance will be added to take into account future urban creep. Applying a 10% allowance to all areas discharging to cellular storage gives a value of 163.9m². Therefore, all cellular storage drainage calculations have been made on a basis of a total impermeable area of 163.9m².
- 6.26. Preliminary calculations indicate that sufficient storage required to attenuate runoff from the proposed driveway and dwelling roof area arising from the critical 1:100 year + 45% climate change event can be provided by cellular storage of dimensions 49m² x 0.40m x 0.95 (voids).
- 6.27. Preliminary calculations indicated that some 18.62m³ of storage is required to attenuate the runoff for all storms up to and including the 1:100 year + 45% climate change event.
- 6.28. *Please note that the levels and locations of the cellular storage within the Causeway calculations are arbitrary for modelling purposes.*
- 6.29. All preliminary surface water drainage calculations have been undertaken using Causeway software. Refer to Appendix.

Cellular Storage Attenuation Plot 3

- 6.30. The proposed area discharging into the cellular storage amounts to approximately 148m².
- 6.31. In order to comply with CIRIA C753 The SuDS Manual, a 10% allowance will be added to take into account future urban creep. Applying a 10% allowance to all areas discharging to cellular storage gives a value of 162.8m². Therefore, all cellular storage drainage calculations have been made on a basis of a total impermeable area of 162.8m².
- 6.32. Preliminary calculations indicate that sufficient storage required to attenuate runoff from the proposed driveway and dwelling roof area arising from the critical 1:100 year + 45% climate change event can be provided by cellular storage of dimensions 49m² x 0.40m x 0.95 (voids).
- 6.33. Preliminary calculations indicated that some 18.62m³ of storage is required to attenuate the runoff for all storms up to and including the 1:100 year + 45% climate change event.
- 6.34. *Please note that the levels and locations of the cellular storage within the Causeway calculations are arbitrary for modelling purposes.*
- 6.35. All preliminary surface water drainage calculations have been undertaken using Causeway software. Refer to Appendix.
- 6.36. The Pollution Mitigation Indices for the Downstream Defender Vortex Plus are greater than the Pollution Hazard Indices for residential car parks. Therefore, the Downstream Defender Vortex Plus (or similar) will provide sufficient water quality treatment.
- 6.37. Roof water will contain negligible contaminant concentrations and does not warrant treatment. Nevertheless, it is suggested to include debris / sediment traps on any new drainage.
- 6.38. It is proposed that all SuDS facilities will be maintained privately by the end users. A draft Maintenance Schedule is outlined within the report.
- 6.39. Should the onsite drainage system fail under extreme rainfall events or blockage, flooding may occur within the site. In the event of the drainage system failure, the runoff flow can be managed through detailing the new external levels to direct water away from structures.

Foul Drainage Discussion:

- 6.40. Post development, foul water will be discharged to a ditch to the south of the site via three sewage treatment plants and a pump.
- 6.41. Marsh has confirmed that a Marsh Ensign 6 PE sewage treatment plant would be suitable for each plot. Therefore, this unit, or similar, will be utilised.
- 6.42. The proposed development is for the demolition of 2no. agricultural buildings and the erection of 3no. dwellings. Proposed pipework will be sized to accommodate flows from each dwelling.

This drainage strategy has been undertaken in accordance with the principles set out in NPPF. We can conclude that providing the development adheres to the conditions advised above, the said development proposals can be accommodated without increasing flood risk within the locality in accordance with objectives set by Central Government and the EA.

Unda Consulting Limited

Appendix

A – Development Plans:

- Proposed plans – New Form Architecture.

B– Causeway Calculations:

- IH124 Pre-Development Greenfield Runoff Calculations for the area of the site being attenuated;
- Surface Water Network Calculations.

C– Drainage Layout Plans:

- Proposed Drainage Layout [97708-01];
- Proposed Catchment Plan [97708-02].

D – Other:

- Photos of the watercourse – Applicant;
- Sewage Treatment plant Cross section – Marsh Industries LTD.



New Form Architecture Ltd.
All dimensions to be as noted.
Do not scale from this drawing.
Report any discrepancies to the Architect/CA immediately.
Areas are approximate and may alter in construction.

Revision	Description	Date	Drawn
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New Form Architecture Ltd
5 The Cairns
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Project:
High Barn, Crays Lane, Goose
Green, West Sussex, RH20 2LR

Drawing:
Proposed Site / Roof Plan

Date: 13/03/25	Project Number: NFA-070	Drawing: HB-03
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Scale As indicated@A1	Drawn: AM	Rev:
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Status
PLANNING

1 Proposed Site / Roof Plan
1 : 100

Simulation Settings

Rainfall Methodology	FEH-22	Additional Storage (m³/ha)	0.0
Rainfall Events	Singular	Starting Level (m)	
Summer CV	1.000	Check Discharge Rate(s)	✓
Winter CV	1.000	1 year (l/s)	0.3
Analysis Speed	Detailed	30 year (l/s)	0.9
Skip Steady State	x	100 year (l/s)	1.2
Drain Down Time (mins)	240	Check Discharge Volume	x

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 %)
1	0	0	0
30	0	0	0
100	0	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)	0.064	Betterment (%)	0
SAAR (mm)	831	QBar	0.4
Soil Index	4	Q 1 year (l/s)	0.3
SPR	0.47	Q 30 year (l/s)	0.9
Region	7	Q 100 year (l/s)	1.2
Growth Factor 1 year	0.85		

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)
MH1	0.005	5.00	30.091		1171099.081	-1370370.860	0.400	29.691
MH2	0.003	5.00	30.091		1171108.391	-1370370.860	0.500	29.591
MH3			30.091		1171108.391	-1370359.408	1.077	29.014
MH4	0.002	5.00	30.091		1171095.898	-1370370.860	0.400	29.691
MH5	0.004	5.00	30.091		1171088.965	-1370370.860	0.470	29.621
MH6	0.020	5.00	30.091	450	1171088.965	-1370358.875	0.590	29.501
MH7			30.091		1171096.748	-1370358.875	1.077	29.014
MH8	0.005	5.00	30.091		1171097.173	-1370345.148	0.400	29.691
MH9			30.091		1171098.131	-1370356.408	1.077	29.014
MH10	0.002	5.00	30.091	600	1171096.748	-1370358.343	1.100	28.991
MH11			30.000	600	1171082.080	-1370343.177	1.150	28.850
MH12			30.000	600	1171070.049	-1370337.105	1.240	28.760
MH13	0.005	5.00	30.000	600	1171084.980	-1370368.788	0.400	29.600
MH14			30.000	600	1171084.991	-1370354.800	0.540	29.460
MH15			30.000		1171083.074	-1370351.451	0.865	29.135
MH16	0.010	5.00	30.000		1171073.631	-1370366.482	0.400	29.600
MH17	0.002	5.00	30.000	450	1171073.651	-1370356.915	0.510	29.490
MH18			30.000		1171077.844	-1370353.366	0.865	29.135
MH19		5.00	30.000	600	1171082.945	-1370347.709	0.880	29.120
MH20	0.008	5.00	30.000		1171072.152	-1370366.482	0.400	29.600
MH21	0.004	5.00	30.000	450	1171072.085	-1370357.335	0.500	29.500
MH22			30.000		1171063.943	-1370352.491	0.872	29.128
MH23	0.003	5.00	30.000	450	1171060.803	-1370368.631	0.400	29.600
MH24	0.003	5.00	30.000	450	1171060.793	-1370356.138	0.530	29.470
MH25			30.000		1171062.857	-1370352.953	0.872	29.128
MH26		5.00	30.000	600	1171068.899	-1370340.273	0.900	29.100

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	MH2	9.310	0.600	29.691	29.591	0.100	93.1	100	5.19	50.0
1.001	MH2	MH3	11.452	0.600	29.591	29.471	0.120	95.4	100	5.44	50.0
2.000	MH4	MH5	6.933	0.600	29.691	29.621	0.070	99.0	100	5.15	50.0
2.001	MH5	MH6	11.985	0.600	29.621	29.501	0.120	99.9	100	5.41	50.0
2.002	MH6	MH7	7.783	0.600	29.501	29.421	0.080	97.3	150	5.54	50.0
3.000	MH8	MH9	11.301	0.600	29.691	29.578	0.113	100.0	100	5.25	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	0.797	6.3	0.9	0.300	0.400	0.005	0.0	25	0.561
1.001	0.787	6.2	1.4	0.400	0.520	0.008	0.0	33	0.645
2.000	0.772	6.1	0.4	0.300	0.370	0.002	0.0	17	0.422
2.001	0.769	6.0	1.1	0.370	0.490	0.006	0.0	29	0.579
2.002	1.019	18.0	4.7	0.440	0.520	0.026	0.0	52	0.860
3.000	0.769	6.0	0.9	0.300	0.413	0.005	0.0	26	0.551

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)
1.002	MH10	MH11	21.099	0.600	28.991	28.850	0.141	149.6	150	5.43	50.0
1.003	MH11	MH12	13.476	0.600	28.850	28.760	0.090	149.7	150	5.70	50.0
4.000	MH13	MH14	13.988	0.600	29.600	29.460	0.140	99.9	100	5.30	50.0
4.001	MH14	MH15	3.859	0.600	29.460	29.420	0.040	96.5	100	5.39	50.0
5.000	MH16	MH17	9.567	0.600	29.600	29.490	0.110	87.0	100	5.19	50.0
5.001	MH17	MH18	5.493	0.600	29.490	29.370	0.120	45.8	150	5.25	50.0
4.002	MH19	MH11	4.614	0.600	29.120	28.850	0.270	17.1	100	5.04	50.0
6.000	MH20	MH21	9.147	0.600	29.600	29.500	0.100	91.5	100	5.19	50.0
6.001	MH21	MH22	9.474	0.600	29.500	29.400	0.100	94.7	100	5.39	50.0
7.000	MH23	MH24	12.493	0.600	29.600	29.470	0.130	96.1	100	5.27	50.0
7.001	MH24	MH25	3.795	0.600	29.470	29.400	0.070	54.2	100	5.33	50.0
6.002	MH26	MH12	3.370	0.600	29.100	28.931	0.169	20.0	100	5.03	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)
1.002	0.819	14.5	0.4	0.950	1.000	0.002	0.0	17	0.347
1.003	0.819	14.5	0.4	1.000	1.090	0.002	0.0	17	0.347
4.000	0.769	6.0	0.9	0.300	0.440	0.005	0.0	26	0.551
4.001	0.783	6.1	0.9	0.440	0.480	0.005	0.0	26	0.561
5.000	0.825	6.5	1.8	0.300	0.410	0.010	0.0	36	0.709
5.001	1.491	26.3	2.2	0.360	0.480	0.012	0.0	29	0.902
4.002	1.877	14.7	0.0	0.780	1.050	0.000	0.0	0	0.000
6.000	0.804	6.3	1.4	0.300	0.400	0.008	0.0	32	0.650
6.001	0.790	6.2	2.2	0.400	0.500	0.012	0.0	41	0.721
7.000	0.784	6.2	0.5	0.300	0.430	0.003	0.0	20	0.477
7.001	1.048	8.2	1.1	0.430	0.500	0.006	0.0	25	0.726
6.002	1.734	13.6	0.0	0.800	0.969	0.000	0.0	0	0.000

Node MH10 Online Orifice Control

Flap Valve	x	Invert Level (m)	28.991	Discharge Coefficient	0.600
Replaces Downstream Link	x	Diameter (m)	0.011		

Node MH19 Online Orifice Control

Flap Valve	x	Invert Level (m)	29.120	Discharge Coefficient	0.600
Replaces Downstream Link	x	Diameter (m)	0.010		

Node MH26 Online Orifice Control

Flap Valve	x	Invert Level (m)	29.100	Discharge Coefficient	0.600
Replaces Downstream Link	x	Diameter (m)	0.010		

Node MH12 Online Weir Control

Flap Valve	x	Invert Level (m)	28.760	Discharge Coefficient	0.590
Replaces Downstream Link	x	Width (m)	1.000		

Node MH10 Flow through Pond Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Main Channel Length (m)	11.690
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	28.991	Main Channel Slope (1:X)	500.0
Safety Factor	2.0	Time to half empty (mins)		Main Channel n	0.012

Inlets

MH3 | MH9 | MH7



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	57.0	0.0	0.800	57.0	0.0	0.801	0.0	0.0

Node MH19 Flow through Pond Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Main Channel Length (m)	7.620
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	29.120	Main Channel Slope (1:X)	500.0
Safety Factor	2.0	Time to half empty (mins)		Main Channel n	0.012

Inlets

MH18 | MH15

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	49.0	0.0	0.400	49.0	0.0	0.401	0.0	0.0

Node MH26 Flow through Pond Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Porosity	0.95	Main Channel Length (m)	14.050
Side Inf Coefficient (m/hr)	0.00000	Invert Level (m)	29.100	Main Channel Slope (1:X)	500.0
Safety Factor	2.0	Time to half empty (mins)		Main Channel n	0.012

Inlets

MH25 | MH22

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	49.0	0.0	0.400	49.0	0.0	0.401	0.0	0.0

Results for 1 year Critical Storm Duration. Lowest mass balance: 97.13%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	MH1	11	29.712	0.021	0.6	0.0000	0.0000	OK
15 minute summer	MH2	11	29.618	0.027	1.0	0.0000	0.0000	OK
600 minute summer	MH3	570	29.127	0.112	0.2	0.0000	0.0000	OK
30 minute winter	MH4	20	29.703	0.012	0.2	0.0000	0.0000	OK
15 minute summer	MH5	11	29.644	0.023	0.7	0.0000	0.0000	OK
15 minute summer	MH6	10	29.544	0.043	3.1	0.0068	0.0000	OK
600 minute summer	MH7	570	29.127	0.112	0.7	0.0000	0.0000	OK
15 minute summer	MH8	11	29.712	0.021	0.6	0.0000	0.0000	OK
600 minute summer	MH9	570	29.127	0.112	0.1	0.0000	0.0000	OK
600 minute summer	MH10	570	29.126	0.135	0.6	0.0382	0.0000	OK
600 minute summer	MH11	435	28.863	0.013	0.1	0.0035	0.0000	OK
600 minute summer	MH12	420	28.762	0.002	0.2	0.0006	0.0000	OK
15 minute summer	MH13	10	29.622	0.022	0.6	0.0061	0.0000	OK
15 minute summer	MH14	11	29.482	0.022	0.6	0.0061	0.0000	OK
600 minute winter	MH15	465	29.185	0.050	0.1	0.0000	0.0000	OK
15 minute summer	MH16	10	29.630	0.030	1.2	0.0000	0.0000	OK
15 minute summer	MH17	10	29.514	0.024	1.4	0.0038	0.0000	OK
600 minute winter	MH18	465	29.185	0.050	0.2	0.0000	0.0000	OK
600 minute winter	MH19	465	29.185	0.065	0.2	0.0183	0.0000	OK
15 minute summer	MH20	10	29.627	0.027	1.0	0.0000	0.0000	OK
15 minute summer	MH21	10	29.533	0.033	1.5	0.0053	0.0000	OK
480 minute winter	MH22	360	29.175	0.047	0.3	0.0000	0.0000	OK
15 minute summer	MH23	11	29.617	0.017	0.4	0.0027	0.0000	OK
15 minute summer	MH24	11	29.492	0.022	0.8	0.0034	0.0000	OK
480 minute winter	MH25	360	29.175	0.047	0.2	0.0000	0.0000	OK
480 minute winter	MH26	360	29.175	0.075	0.5	0.0212	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	MH1	1.000	MH2	0.6	0.416	0.096	0.0135	6.5
15 minute summer	MH2	1.001	MH3	1.0	0.582	0.162	0.0197	
600 minute summer	MH3	Flow through Pond	MH10	0.5	0.006	0.000	6.6940	
30 minute winter	MH4	2.000	MH5	0.2	0.249	0.033	0.0061	
15 minute summer	MH5	2.001	MH6	0.7	0.315	0.116	0.0273	
15 minute summer	MH6	2.002	MH7	3.1	0.753	0.171	0.0318	
600 minute summer	MH7	Flow through Pond	MH10	0.5	0.006	0.000	6.6940	
15 minute summer	MH8	3.000	MH9	0.6	0.494	0.099	0.0137	
600 minute summer	MH9	Flow through Pond	MH10	0.5	0.006	0.000	6.6940	
600 minute summer	MH10	1.002	MH11	0.1	0.169	0.006	0.0115	
600 minute summer	MH11	1.003	MH12	0.1	0.444	0.010	0.0050	
600 minute summer	MH12	Weir		0.2				
15 minute summer	MH13	4.000	MH14	0.6	0.488	0.100	0.0173	
15 minute summer	MH14	4.001	MH15	0.6	0.493	0.098	0.0047	
600 minute winter	MH15	Flow through Pond	MH19	0.2	0.004	0.000	2.6659	
15 minute summer	MH16	5.000	MH17	1.2	0.700	0.185	0.0165	
15 minute summer	MH17	5.001	MH18	1.4	0.785	0.053	0.0098	
600 minute winter	MH18	Flow through Pond	MH19	0.2	0.004	0.000	2.6659	
600 minute winter	MH19	4.002	MH11	0.1	0.162	0.003	0.0016	
15 minute summer	MH20	6.000	MH21	1.0	0.495	0.154	0.0181	
15 minute summer	MH21	6.001	MH22	1.4	0.642	0.234	0.0214	
480 minute winter	MH22	Flow through Pond	MH26	0.5	0.009	0.000	2.8418	
15 minute summer	MH23	7.000	MH24	0.4	0.375	0.065	0.0134	
15 minute summer	MH24	7.001	MH25	0.8	0.657	0.097	0.0046	
480 minute winter	MH25	Flow through Pond	MH26	0.5	0.009	0.000	2.8418	
480 minute winter	MH26	6.002	MH12	0.1	0.419	0.004	0.0004	

Results for 30 year Critical Storm Duration. Lowest mass balance: 96.17%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	MH1	10	29.736	0.045	2.6	0.0000	0.0000	OK
15 minute summer	MH2	10	29.651	0.060	4.2	0.0000	0.0000	OK
480 minute winter	MH3	456	29.411	0.397	0.5	0.0000	0.0000	OK
15 minute summer	MH4	11	29.718	0.027	1.0	0.0000	0.0000	OK
15 minute summer	MH5	10	29.672	0.051	3.1	0.0000	0.0000	OK
15 minute summer	MH6	10	29.602	0.101	13.5	0.0161	0.0000	OK
480 minute winter	MH7	456	29.411	0.397	1.5	0.0000	0.0000	OK
15 minute summer	MH8	10	29.737	0.046	2.6	0.0000	0.0000	OK
480 minute winter	MH9	456	29.411	0.397	0.3	0.0000	0.0000	OK
480 minute winter	MH10	456	29.411	0.420	1.2	0.1188	0.0000	SURCHARGED
480 minute winter	MH11	464	28.866	0.016	0.3	0.0047	0.0000	OK
480 minute winter	MH12	464	28.763	0.003	0.3	0.0009	0.0000	OK
15 minute summer	MH13	10	29.647	0.047	2.6	0.0133	0.0000	OK
15 minute summer	MH14	10	29.507	0.047	2.6	0.0133	0.0000	OK
480 minute winter	MH15	464	29.325	0.189	0.3	0.0000	0.0000	OK
15 minute summer	MH16	10	29.671	0.071	5.2	0.0000	0.0000	OK
15 minute summer	MH17	10	29.541	0.051	6.2	0.0082	0.0000	OK
480 minute winter	MH18	464	29.325	0.189	0.7	0.0000	0.0000	OK
480 minute winter	MH19	464	29.324	0.204	0.5	0.0578	0.0000	SURCHARGED
15 minute summer	MH20	10	29.659	0.059	4.2	0.0000	0.0000	OK
15 minute summer	MH21	10	29.586	0.086	6.3	0.0136	0.0000	OK
240 minute winter	MH22	236	29.315	0.187	1.2	0.0000	0.0000	OK
15 minute summer	MH23	10	29.635	0.035	1.6	0.0055	0.0000	OK
15 minute summer	MH24	10	29.515	0.045	3.2	0.0072	0.0000	OK
240 minute winter	MH25	236	29.315	0.187	0.6	0.0000	0.0000	OK
240 minute winter	MH26	236	29.315	0.215	0.9	0.0608	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	MH1	1.000	MH2	2.6	0.624	0.412	0.0385	
15 minute summer	MH2	1.001	MH3	4.1	0.847	0.668	0.0559	
480 minute winter	MH3	Flow through Pond	MH10	1.1	0.011	0.000	22.1161	
15 minute summer	MH4	2.000	MH5	1.0	0.358	0.165	0.0198	
15 minute summer	MH5	2.001	MH6	3.1	0.483	0.510	0.0706	
15 minute summer	MH6	2.002	MH7	13.4	1.089	0.744	0.0956	
480 minute winter	MH7	Flow through Pond	MH10	1.1	0.011	0.000	22.1161	
15 minute summer	MH8	3.000	MH9	2.6	0.742	0.427	0.0393	
480 minute winter	MH9	Flow through Pond	MH10	1.1	0.011	0.000	22.1161	
480 minute winter	MH10	1.002	MH11	0.2	0.200	0.011	0.0173	
480 minute winter	MH11	1.003	MH12	0.3	0.524	0.018	0.0076	
480 minute winter	MH12	Weir		0.3				11.1
15 minute summer	MH13	4.000	MH14	2.6	0.716	0.427	0.0504	
15 minute summer	MH14	4.001	MH15	2.6	0.730	0.416	0.0135	
480 minute winter	MH15	Flow through Pond	MH19	0.5	0.005	0.000	9.1612	
15 minute summer	MH16	5.000	MH17	5.2	1.032	0.797	0.0477	
15 minute summer	MH17	5.001	MH18	6.1	1.185	0.233	0.0285	
480 minute winter	MH18	Flow through Pond	MH19	0.5	0.005	0.000	9.1612	
480 minute winter	MH19	4.002	MH11	0.1	0.197	0.006	0.0024	
15 minute summer	MH20	6.000	MH21	4.2	0.693	0.660	0.0547	
15 minute summer	MH21	6.001	MH22	6.2	0.890	0.993	0.0657	
240 minute winter	MH22	Flow through Pond	MH26	0.9	0.026	0.001	9.3521	
15 minute summer	MH23	7.000	MH24	1.6	0.545	0.256	0.0363	
15 minute summer	MH24	7.001	MH25	3.1	0.950	0.382	0.0126	
240 minute winter	MH25	Flow through Pond	MH26	0.9	0.026	0.001	9.3521	
240 minute winter	MH26	6.002	MH12	0.1	0.492	0.007	0.0007	

Results for 100 year Critical Storm Duration. Lowest mass balance: 96.07%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	MH1	10	29.742	0.051	3.3	0.0000	0.0000	OK
15 minute summer	MH2	10	29.661	0.070	5.3	0.0000	0.0000	OK
600 minute winter	MH3	570	29.521	0.506	0.5	0.0000	0.0000	OK
15 minute summer	MH4	11	29.722	0.031	1.3	0.0000	0.0000	OK
15 minute summer	MH5	10	29.679	0.058	3.9	0.0000	0.0000	OK
15 minute summer	MH6	10	29.624	0.123	17.0	0.0195	0.0000	OK
600 minute winter	MH7	570	29.521	0.506	1.5	0.0000	0.0000	OK
15 minute summer	MH8	10	29.743	0.052	3.3	0.0000	0.0000	OK
600 minute winter	MH9	570	29.521	0.506	0.3	0.0000	0.0000	OK
600 minute winter	MH10	570	29.520	0.529	1.2	0.1498	0.0000	SURCHARGED
600 minute winter	MH11	570	28.867	0.017	0.3	0.0049	0.0000	OK
600 minute winter	MH12	570	28.764	0.004	0.4	0.0010	0.0000	OK
15 minute summer	MH13	10	29.654	0.054	3.3	0.0153	0.0000	OK
15 minute summer	MH14	10	29.514	0.054	3.3	0.0152	0.0000	OK
600 minute winter	MH15	585	29.375	0.240	0.3	0.0000	0.0000	OK
15 minute summer	MH16	10	29.686	0.086	6.6	0.0000	0.0000	OK
15 minute summer	MH17	10	29.549	0.059	7.8	0.0093	0.0000	OK
600 minute winter	MH18	585	29.375	0.240	0.7	0.0000	0.0000	OK
600 minute winter	MH19	585	29.375	0.255	0.5	0.0721	0.0000	SURCHARGED
15 minute summer	MH20	11	29.695	0.095	5.2	0.0000	0.0000	OK
15 minute summer	MH21	11	29.632	0.132	7.5	0.0209	0.0000	SURCHARGED
360 minute summer	MH22	344	29.368	0.240	1.7	0.0000	0.0000	OK
15 minute summer	MH23	10	29.639	0.039	2.0	0.0062	0.0000	OK
15 minute summer	MH24	10	29.522	0.052	4.0	0.0082	0.0000	OK
360 minute summer	MH25	344	29.368	0.240	0.8	0.0000	0.0000	OK
360 minute summer	MH26	344	29.368	0.268	1.3	0.0758	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	MH1	1.000	MH2	3.3	0.657	0.522	0.0461	14.2
15 minute summer	MH2	1.001	MH3	5.2	0.886	0.839	0.0671	
600 minute winter	MH3	Flow through Pond	MH10	1.1	0.011	0.000	28.0370	
15 minute summer	MH4	2.000	MH5	1.3	0.386	0.214	0.0237	
15 minute summer	MH5	2.001	MH6	3.9	0.552	0.642	0.0752	
15 minute summer	MH6	2.002	MH7	16.9	1.129	0.937	0.1161	
600 minute winter	MH7	Flow through Pond	MH10	1.1	0.011	0.000	28.0370	
15 minute summer	MH8	3.000	MH9	3.3	0.787	0.540	0.0468	
600 minute winter	MH9	Flow through Pond	MH10	1.1	0.011	0.000	28.0370	
600 minute winter	MH10	1.002	MH11	0.2	0.208	0.013	0.0187	
600 minute winter	MH11	1.003	MH12	0.3	0.539	0.020	0.0083	
600 minute winter	MH12	Weir		0.4				
15 minute summer	MH13	4.000	MH14	3.3	0.757	0.540	0.0603	
15 minute summer	MH14	4.001	MH15	3.2	0.772	0.523	0.0161	
600 minute winter	MH15	Flow through Pond	MH19	0.5	0.006	0.000	11.5156	
15 minute summer	MH16	5.000	MH17	6.5	1.074	1.007	0.0572	
15 minute summer	MH17	5.001	MH18	7.8	1.262	0.296	0.0339	
600 minute winter	MH18	Flow through Pond	MH19	0.5	0.006	0.000	11.5156	
600 minute winter	MH19	4.002	MH11	0.1	0.204	0.007	0.0025	
15 minute summer	MH20	6.000	MH21	4.9	0.695	0.778	0.0710	
15 minute summer	MH21	6.001	MH22	7.3	0.941	1.181	0.0711	
360 minute summer	MH22	Flow through Pond	MH26	1.3	0.013	0.001	11.8167	
15 minute summer	MH23	7.000	MH24	2.0	0.576	0.322	0.0430	
15 minute summer	MH24	7.001	MH25	3.9	1.005	0.479	0.0149	
360 minute summer	MH25	Flow through Pond	MH26	1.3	0.013	0.001	11.8167	
360 minute summer	MH26	6.002	MH12	0.1	0.510	0.008	0.0007	

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 95.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	MH1	705	29.780	0.089	0.4	0.0000	0.0000	OK
720 minute winter	MH2	705	29.780	0.189	0.6	0.0000	0.0000	SURCHARGED
720 minute winter	MH3	705	29.781	0.766	0.6	0.0000	0.0000	OK
15 minute summer	MH4	11	29.813	0.122	1.9	0.0000	0.0000	FLOOD RISK
15 minute summer	MH5	11	29.807	0.186	5.2	0.0000	0.0000	FLOOD RISK
720 minute winter	MH6	705	29.780	0.279	1.9	0.0444	0.0000	SURCHARGED
720 minute winter	MH7	705	29.781	0.766	1.9	0.0000	0.0000	OK
720 minute winter	MH8	705	29.780	0.089	0.4	0.0000	0.0000	OK
720 minute winter	MH9	705	29.781	0.766	0.4	0.0000	0.0000	OK
720 minute winter	MH10	705	29.780	0.789	1.5	0.2234	0.0000	SURCHARGED
720 minute summer	MH11	705	28.869	0.019	0.3	0.0054	0.0000	OK
480 minute winter	MH12	464	28.764	0.004	0.5	0.0012	0.0000	OK
15 minute summer	MH13	10	29.670	0.070	4.8	0.0198	0.0000	OK
15 minute summer	MH14	10	29.529	0.069	4.7	0.0195	0.0000	OK
720 minute summer	MH15	705	29.497	0.362	0.5	0.0000	0.0000	OK
15 minute summer	MH16	11	29.832	0.232	9.5	0.0000	0.0000	FLOOD RISK
15 minute summer	MH17	11	29.561	0.071	10.9	0.0113	0.0000	OK
720 minute summer	MH18	705	29.497	0.362	1.3	0.0000	0.0000	OK
720 minute summer	MH19	705	29.497	0.377	0.9	0.1066	0.0000	SURCHARGED
15 minute summer	MH20	11	29.908	0.308	7.6	0.0000	0.0000	FLOOD RISK
15 minute summer	MH21	12	29.778	0.278	10.3	0.0443	0.0000	FLOOD RISK
480 minute winter	MH22	464	29.544	0.416	1.2	0.0000	0.0000	OK
15 minute summer	MH23	10	29.648	0.048	2.9	0.0076	0.0000	OK
480 minute winter	MH24	464	29.545	0.075	0.6	0.0119	0.0000	OK
480 minute winter	MH25	464	29.545	0.416	0.6	0.0000	0.0000	OK
480 minute winter	MH26	464	29.544	0.444	0.9	0.1258	0.0000	SURCHARGED

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	MH1	1.000	MH2	0.4	0.384	0.064	0.0708	
720 minute winter	MH2	1.001	MH3	0.6	0.502	0.097	0.0896	
720 minute winter	MH3	Flow through Pond	MH10	1.4	0.019	0.000	42.0570	
15 minute summer	MH4	2.000	MH5	2.5	0.387	0.412	0.0542	
15 minute summer	MH5	2.001	MH6	5.7	0.734	0.950	0.0938	
720 minute winter	MH6	2.002	MH7	1.9	0.658	0.106	0.1370	
720 minute winter	MH7	Flow through Pond	MH10	1.4	0.019	0.000	42.0570	
720 minute winter	MH8	3.000	MH9	0.4	0.438	0.066	0.0859	
720 minute winter	MH9	Flow through Pond	MH10	1.4	0.019	0.000	42.0570	
720 minute winter	MH10	1.002	MH11	0.2	0.223	0.015	0.0213	
720 minute summer	MH11	1.003	MH12	0.3	0.567	0.024	0.0095	
480 minute winter	MH12	Weir		0.5				15.5
15 minute summer	MH13	4.000	MH14	4.7	0.816	0.785	0.0812	
15 minute summer	MH14	4.001	MH15	4.7	0.839	0.759	0.0215	
720 minute summer	MH15	Flow through Pond	MH19	0.9	0.007	0.000	17.1617	
15 minute summer	MH16	5.000	MH17	9.1	1.224	1.409	0.0660	
15 minute summer	MH17	5.001	MH18	10.9	1.375	0.415	0.0437	
720 minute summer	MH18	Flow through Pond	MH19	0.9	0.007	0.000	17.1617	
720 minute summer	MH19	4.002	MH11	0.1	0.218	0.009	0.0029	
15 minute summer	MH20	6.000	MH21	6.7	0.858	1.062	0.0716	
15 minute summer	MH21	6.001	MH22	10.0	1.272	1.604	0.0733	
480 minute winter	MH22	Flow through Pond	MH26	0.9	0.020	0.001	18.8488	
15 minute summer	MH23	7.000	MH24	2.9	0.626	0.465	0.0571	
480 minute winter	MH24	7.001	MH25	0.6	0.604	0.073	0.0267	
480 minute winter	MH25	Flow through Pond	MH26	0.9	0.020	0.001	18.8488	
480 minute winter	MH26	6.002	MH12	0.1	0.551	0.010	0.0008	

Results for 1 year 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 98.28%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	MH1	11	29.712	0.021	0.6	0.0000	0.0000	OK
15 minute summer	MH2	11	29.618	0.027	1.0	0.0000	0.0000	OK
15 minute summer	MH3	12	29.045	0.031	1.0	0.0000	0.0000	OK
15 minute summer	MH4	12	29.703	0.012	0.2	0.0000	0.0000	OK
15 minute summer	MH5	11	29.644	0.023	0.7	0.0000	0.0000	OK
15 minute summer	MH6	10	29.544	0.043	3.1	0.0068	0.0000	OK
15 minute summer	MH7	10	29.061	0.046	3.1	0.0000	0.0000	OK
15 minute summer	MH8	11	29.712	0.021	0.6	0.0000	0.0000	OK
15 minute summer	MH9	31	29.040	0.026	0.6	0.0000	0.0000	OK
15 minute summer	MH10	21	29.040	0.049	4.6	0.0139	0.0000	OK
15 minute summer	MH11	26	28.860	0.010	0.1	0.0028	0.0000	OK
15 minute summer	MH12	26	28.762	0.002	0.1	0.0004	0.0000	OK
15 minute summer	MH13	10	29.622	0.022	0.6	0.0061	0.0000	OK
15 minute summer	MH14	11	29.482	0.022	0.6	0.0061	0.0000	OK
15 minute summer	MH15	11	29.157	0.021	0.6	0.0000	0.0000	OK
15 minute summer	MH16	10	29.630	0.030	1.2	0.0000	0.0000	OK
15 minute summer	MH17	10	29.514	0.024	1.4	0.0038	0.0000	OK
15 minute summer	MH18	21	29.146	0.010	1.4	0.0000	0.0000	OK
15 minute summer	MH19	22	29.146	0.026	2.0	0.0073	0.0000	OK
15 minute summer	MH20	10	29.627	0.027	1.0	0.0000	0.0000	OK
15 minute summer	MH21	10	29.533	0.033	1.5	0.0053	0.0000	OK
15 minute summer	MH22	11	29.167	0.038	1.4	0.0000	0.0000	OK
15 minute summer	MH23	11	29.617	0.017	0.4	0.0027	0.0000	OK
15 minute summer	MH24	11	29.492	0.022	0.8	0.0034	0.0000	OK
15 minute summer	MH25	11	29.134	0.006	0.8	0.0000	0.0000	OK
15 minute summer	MH26	22	29.134	0.034	2.2	0.0096	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	MH1	1.000	MH2	0.6	0.416	0.096	0.0135	1.6
15 minute summer	MH2	1.001	MH3	1.0	0.582	0.162	0.0197	
15 minute summer	MH3	Flow through Pond	MH10	4.4	0.081	0.001	2.0072	
15 minute summer	MH4	2.000	MH5	0.2	0.225	0.033	0.0066	
15 minute summer	MH5	2.001	MH6	0.7	0.315	0.116	0.0273	
15 minute summer	MH6	2.002	MH7	3.1	0.753	0.171	0.0318	
15 minute summer	MH7	Flow through Pond	MH10	4.4	0.081	0.001	2.0072	
15 minute summer	MH8	3.000	MH9	0.6	0.494	0.099	0.0137	
15 minute summer	MH9	Flow through Pond	MH10	4.4	0.081	0.001	2.0072	
15 minute summer	MH10	1.002	MH11	0.1	0.223	0.004	0.0079	
15 minute summer	MH11	1.003	MH12	0.1	0.384	0.006	0.0035	
15 minute summer	MH12	Weir		0.1				
15 minute summer	MH13	4.000	MH14	0.6	0.488	0.100	0.0173	
15 minute summer	MH14	4.001	MH15	0.6	0.493	0.098	0.0047	
15 minute summer	MH15	Flow through Pond	MH19	2.0	0.055	0.001	0.8397	
15 minute summer	MH16	5.000	MH17	1.2	0.700	0.185	0.0165	
15 minute summer	MH17	5.001	MH18	1.4	0.785	0.053	0.0098	
15 minute summer	MH18	Flow through Pond	MH19	2.0	0.055	0.001	0.8397	
15 minute summer	MH19	4.002	MH11	0.0	0.213	0.002	0.0011	
15 minute summer	MH20	6.000	MH21	1.0	0.495	0.154	0.0181	
15 minute summer	MH21	6.001	MH22	1.4	0.642	0.234	0.0214	
15 minute summer	MH22	Flow through Pond	MH26	2.2	0.102	0.002	0.9222	
15 minute summer	MH23	7.000	MH24	0.4	0.375	0.065	0.0134	
15 minute summer	MH24	7.001	MH25	0.8	0.657	0.097	0.0046	
15 minute summer	MH25	Flow through Pond	MH26	2.2	0.102	0.002	0.9222	
15 minute summer	MH26	6.002	MH12	0.0	0.371	0.003	0.0003	

Results for 1 year 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 98.28%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	MH1	10	29.711	0.020	0.6	0.0000	0.0000	OK
15 minute winter	MH2	11	29.616	0.025	0.9	0.0000	0.0000	OK
15 minute winter	MH3	11	29.042	0.028	0.9	0.0000	0.0000	OK
15 minute winter	MH4	12	29.703	0.012	0.2	0.0000	0.0000	OK
15 minute winter	MH5	10	29.643	0.022	0.7	0.0000	0.0000	OK
15 minute winter	MH6	10	29.543	0.042	3.0	0.0067	0.0000	OK
15 minute winter	MH7	11	29.059	0.045	2.9	0.0000	0.0000	OK
15 minute winter	MH8	10	29.712	0.021	0.6	0.0000	0.0000	OK
15 minute winter	MH9	30	29.040	0.025	0.6	0.0000	0.0000	OK
15 minute winter	MH10	21	29.040	0.049	4.2	0.0138	0.0000	OK
15 minute winter	MH11	26	28.860	0.010	0.1	0.0028	0.0000	OK
15 minute winter	MH12	25	28.762	0.002	0.1	0.0004	0.0000	OK
15 minute winter	MH13	10	29.621	0.021	0.6	0.0060	0.0000	OK
15 minute winter	MH14	11	29.481	0.021	0.6	0.0059	0.0000	OK
15 minute winter	MH15	11	29.156	0.020	0.6	0.0000	0.0000	OK
15 minute winter	MH16	10	29.629	0.029	1.1	0.0000	0.0000	OK
15 minute winter	MH17	10	29.513	0.023	1.3	0.0037	0.0000	OK
15 minute winter	MH18	21	29.145	0.010	1.3	0.0000	0.0000	OK
15 minute winter	MH19	25	29.145	0.025	1.8	0.0071	0.0000	OK
15 minute winter	MH20	11	29.626	0.026	0.9	0.0000	0.0000	OK
15 minute winter	MH21	10	29.532	0.032	1.4	0.0051	0.0000	OK
15 minute winter	MH22	11	29.165	0.037	1.4	0.0000	0.0000	OK
15 minute winter	MH23	12	29.615	0.015	0.3	0.0024	0.0000	OK
15 minute winter	MH24	12	29.489	0.019	0.6	0.0030	0.0000	OK
15 minute winter	MH25	11	29.134	0.006	0.6	0.0000	0.0000	OK
15 minute winter	MH26	21	29.133	0.033	1.9	0.0095	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	MH1	1.000	MH2	0.6	0.429	0.091	0.0124	1.5
15 minute winter	MH2	1.001	MH3	0.9	0.557	0.138	0.0176	
15 minute winter	MH3	Flow through Pond	MH10	4.0	0.089	0.001	1.9955	
15 minute winter	MH4	2.000	MH5	0.2	0.230	0.033	0.0065	
15 minute winter	MH5	2.001	MH6	0.7	0.308	0.111	0.0265	
15 minute winter	MH6	2.002	MH7	2.9	0.742	0.162	0.0307	
15 minute winter	MH7	Flow through Pond	MH10	4.0	0.089	0.001	1.9955	
15 minute winter	MH8	3.000	MH9	0.6	0.484	0.094	0.0133	
15 minute winter	MH9	Flow through Pond	MH10	4.0	0.089	0.001	1.9955	
15 minute winter	MH10	1.002	MH11	0.1	0.220	0.004	0.0079	
15 minute winter	MH11	1.003	MH12	0.1	0.383	0.006	0.0035	
15 minute winter	MH12	Weir		0.1				
15 minute winter	MH13	4.000	MH14	0.6	0.486	0.094	0.0163	
15 minute winter	MH14	4.001	MH15	0.6	0.484	0.091	0.0045	
15 minute winter	MH15	Flow through Pond	MH19	1.8	0.050	0.001	0.8223	
15 minute winter	MH16	5.000	MH17	1.1	0.680	0.170	0.0155	
15 minute winter	MH17	5.001	MH18	1.3	0.768	0.049	0.0093	
15 minute winter	MH18	Flow through Pond	MH19	1.8	0.050	0.001	0.8223	
15 minute winter	MH19	4.002	MH11	0.0	0.203	0.002	0.0011	
15 minute winter	MH20	6.000	MH21	0.9	0.487	0.142	0.0172	
15 minute winter	MH21	6.001	MH22	1.4	0.629	0.219	0.0205	
15 minute winter	MH22	Flow through Pond	MH26	1.9	0.105	0.001	0.8936	
15 minute winter	MH23	7.000	MH24	0.3	0.346	0.049	0.0109	
15 minute winter	MH24	7.001	MH25	0.6	0.604	0.073	0.0038	
15 minute winter	MH25	Flow through Pond	MH26	1.9	0.105	0.001	0.8936	
15 minute winter	MH26	6.002	MH12	0.0	0.370	0.003	0.0003	

Results for 1 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 97.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	MH1	19	29.710	0.019	0.5	0.0000	0.0000	OK
30 minute summer	MH2	19	29.615	0.024	0.8	0.0000	0.0000	OK
30 minute summer	MH3	41	29.051	0.036	0.8	0.0000	0.0000	OK
30 minute summer	MH4	20	29.703	0.012	0.2	0.0000	0.0000	OK
30 minute summer	MH5	19	29.642	0.021	0.6	0.0000	0.0000	OK
30 minute summer	MH6	18	29.542	0.041	2.8	0.0065	0.0000	OK
30 minute summer	MH7	18	29.059	0.045	2.8	0.0000	0.0000	OK
30 minute summer	MH8	19	29.710	0.019	0.5	0.0000	0.0000	OK
30 minute summer	MH9	41	29.051	0.036	0.5	0.0000	0.0000	OK
30 minute summer	MH10	36	29.050	0.059	3.2	0.0168	0.0000	OK
30 minute summer	MH11	39	28.860	0.010	0.1	0.0029	0.0000	OK
30 minute summer	MH12	38	28.762	0.002	0.1	0.0005	0.0000	OK
30 minute summer	MH13	17	29.620	0.020	0.5	0.0056	0.0000	OK
30 minute summer	MH14	18	29.480	0.020	0.5	0.0056	0.0000	OK
30 minute summer	MH15	20	29.155	0.019	0.5	0.0000	0.0000	OK
30 minute summer	MH16	18	29.629	0.029	1.1	0.0000	0.0000	OK
30 minute summer	MH17	18	29.513	0.023	1.3	0.0037	0.0000	OK
30 minute summer	MH18	37	29.151	0.016	1.3	0.0000	0.0000	OK
30 minute summer	MH19	39	29.151	0.031	1.7	0.0087	0.0000	OK
30 minute summer	MH20	18	29.626	0.026	0.9	0.0000	0.0000	OK
30 minute summer	MH21	18	29.531	0.031	1.3	0.0050	0.0000	OK
30 minute summer	MH22	18	29.163	0.035	1.3	0.0000	0.0000	OK
30 minute summer	MH23	19	29.615	0.015	0.3	0.0024	0.0000	OK
30 minute summer	MH24	19	29.489	0.019	0.6	0.0030	0.0000	OK
30 minute summer	MH25	37	29.139	0.010	0.6	0.0000	0.0000	OK
30 minute summer	MH26	33	29.138	0.038	1.9	0.0109	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	MH1	1.000	MH2	0.5	0.401	0.080	0.0117	1.8
30 minute summer	MH2	1.001	MH3	0.8	0.546	0.129	0.0168	
30 minute summer	MH3	Flow through Pond	MH10	3.0	0.049	0.000	2.5827	
30 minute summer	MH4	2.000	MH5	0.2	0.243	0.033	0.0062	
30 minute summer	MH5	2.001	MH6	0.6	0.298	0.099	0.0253	
30 minute summer	MH6	2.002	MH7	2.8	0.734	0.156	0.0297	
30 minute summer	MH7	Flow through Pond	MH10	3.0	0.049	0.000	2.5827	
30 minute summer	MH8	3.000	MH9	0.5	0.468	0.083	0.0121	
30 minute summer	MH9	Flow through Pond	MH10	3.0	0.049	0.000	2.5827	
30 minute summer	MH10	1.002	MH11	0.1	0.210	0.004	0.0086	
30 minute summer	MH11	1.003	MH12	0.1	0.397	0.006	0.0038	
30 minute summer	MH12	Weir		0.1				
30 minute summer	MH13	4.000	MH14	0.5	0.464	0.083	0.0152	
30 minute summer	MH14	4.001	MH15	0.5	0.468	0.081	0.0041	
30 minute summer	MH15	Flow through Pond	MH19	1.7	0.031	0.001	1.0731	
30 minute summer	MH16	5.000	MH17	1.1	0.680	0.170	0.0155	
30 minute summer	MH17	5.001	MH18	1.3	0.768	0.049	0.0093	
30 minute summer	MH18	Flow through Pond	MH19	1.7	0.031	0.001	1.0731	
30 minute summer	MH19	4.002	MH11	0.0	0.171	0.002	0.0012	
30 minute summer	MH20	6.000	MH21	0.9	0.491	0.142	0.0168	
30 minute summer	MH21	6.001	MH22	1.3	0.622	0.209	0.0198	
30 minute summer	MH22	Flow through Pond	MH26	1.9	0.055	0.001	1.1288	
30 minute summer	MH23	7.000	MH24	0.3	0.346	0.049	0.0109	
30 minute summer	MH24	7.001	MH25	0.6	0.604	0.073	0.0038	
30 minute summer	MH25	Flow through Pond	MH26	1.9	0.055	0.001	1.1288	
30 minute summer	MH26	6.002	MH12	0.0	0.378	0.003	0.0003	

Results for 1 year 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 97.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	MH1	20	29.708	0.017	0.4	0.0000	0.0000	OK
30 minute winter	MH2	19	29.614	0.023	0.7	0.0000	0.0000	OK
30 minute winter	MH3	35	29.052	0.038	0.7	0.0000	0.0000	OK
30 minute winter	MH4	20	29.703	0.012	0.2	0.0000	0.0000	OK
30 minute winter	MH5	18	29.642	0.021	0.6	0.0000	0.0000	OK
30 minute winter	MH6	18	29.539	0.038	2.4	0.0060	0.0000	OK
30 minute winter	MH7	19	29.055	0.040	2.4	0.0000	0.0000	OK
30 minute winter	MH8	20	29.708	0.017	0.4	0.0000	0.0000	OK
30 minute winter	MH9	36	29.052	0.038	0.4	0.0000	0.0000	OK
30 minute winter	MH10	40	29.051	0.060	3.0	0.0171	0.0000	OK
30 minute winter	MH11	39	28.860	0.010	0.1	0.0029	0.0000	OK
30 minute winter	MH12	38	28.762	0.002	0.1	0.0005	0.0000	OK
30 minute winter	MH13	16	29.618	0.018	0.4	0.0050	0.0000	OK
30 minute winter	MH14	18	29.478	0.018	0.4	0.0050	0.0000	OK
30 minute winter	MH15	21	29.153	0.017	0.4	0.0000	0.0000	OK
30 minute winter	MH16	18	29.626	0.026	0.9	0.0000	0.0000	OK
30 minute winter	MH17	18	29.511	0.021	1.1	0.0034	0.0000	OK
30 minute winter	MH18	36	29.151	0.016	1.1	0.0000	0.0000	OK
30 minute winter	MH19	39	29.151	0.031	1.4	0.0087	0.0000	OK
30 minute winter	MH20	19	29.622	0.022	0.7	0.0000	0.0000	OK
30 minute winter	MH21	18	29.529	0.029	1.1	0.0046	0.0000	OK
30 minute winter	MH22	18	29.160	0.032	1.1	0.0000	0.0000	OK
30 minute winter	MH23	19	29.615	0.015	0.3	0.0024	0.0000	OK
30 minute winter	MH24	19	29.489	0.019	0.6	0.0030	0.0000	OK
30 minute winter	MH25	35	29.140	0.012	0.6	0.0000	0.0000	OK
30 minute winter	MH26	36	29.140	0.040	1.7	0.0112	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	MH1	1.000	MH2	0.4	0.395	0.064	0.0104	1.8
30 minute winter	MH2	1.001	MH3	0.7	0.525	0.113	0.0153	
30 minute winter	MH3	Flow through Pond	MH10	2.8	0.053	0.000	2.6407	
30 minute winter	MH4	2.000	MH5	0.2	0.249	0.033	0.0061	
30 minute winter	MH5	2.001	MH6	0.6	0.311	0.099	0.0234	
30 minute winter	MH6	2.002	MH7	2.4	0.703	0.133	0.0266	
30 minute winter	MH7	Flow through Pond	MH10	2.8	0.053	0.000	2.6407	
30 minute winter	MH8	3.000	MH9	0.4	0.438	0.066	0.0103	
30 minute winter	MH9	Flow through Pond	MH10	2.8	0.053	0.000	2.6407	
30 minute winter	MH10	1.002	MH11	0.1	0.210	0.004	0.0086	
30 minute winter	MH11	1.003	MH12	0.1	0.397	0.006	0.0038	
30 minute winter	MH12	Weir		0.1				
30 minute winter	MH13	4.000	MH14	0.4	0.436	0.066	0.0129	
30 minute winter	MH14	4.001	MH15	0.4	0.438	0.065	0.0035	
30 minute winter	MH15	Flow through Pond	MH19	1.4	0.030	0.000	1.0740	
30 minute winter	MH16	5.000	MH17	0.9	0.636	0.139	0.0136	
30 minute winter	MH17	5.001	MH18	1.1	0.731	0.042	0.0083	
30 minute winter	MH18	Flow through Pond	MH19	1.4	0.030	0.000	1.0740	
30 minute winter	MH19	4.002	MH11	0.0	0.176	0.002	0.0012	
30 minute winter	MH20	6.000	MH21	0.7	0.457	0.111	0.0145	
30 minute winter	MH21	6.001	MH22	1.1	0.594	0.177	0.0175	
30 minute winter	MH22	Flow through Pond	MH26	1.7	0.054	0.001	1.1840	
30 minute winter	MH23	7.000	MH24	0.3	0.346	0.049	0.0109	
30 minute winter	MH24	7.001	MH25	0.6	0.604	0.073	0.0038	
30 minute winter	MH25	Flow through Pond	MH26	1.7	0.054	0.001	1.1840	
30 minute winter	MH26	6.002	MH12	0.0	0.380	0.003	0.0003	

Results for 1 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 97.67%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	MH1	35	29.708	0.017	0.4	0.0000	0.0000	OK
60 minute summer	MH2	33	29.614	0.023	0.7	0.0000	0.0000	OK
60 minute summer	MH3	63	29.061	0.046	0.7	0.0000	0.0000	OK
60 minute summer	MH4	34	29.703	0.012	0.2	0.0000	0.0000	OK
60 minute summer	MH5	34	29.640	0.019	0.5	0.0000	0.0000	OK
60 minute summer	MH6	33	29.537	0.036	2.2	0.0057	0.0000	OK
60 minute summer	MH7	63	29.061	0.047	2.2	0.0000	0.0000	OK
60 minute summer	MH8	35	29.708	0.017	0.4	0.0000	0.0000	OK
60 minute summer	MH9	62	29.061	0.046	0.4	0.0000	0.0000	OK
60 minute summer	MH10	64	29.061	0.069	2.4	0.0197	0.0000	OK
60 minute summer	MH11	66	28.861	0.011	0.1	0.0031	0.0000	OK
60 minute summer	MH12	67	28.762	0.002	0.1	0.0005	0.0000	OK
60 minute summer	MH13	31	29.618	0.018	0.4	0.0050	0.0000	OK
60 minute summer	MH14	33	29.478	0.018	0.4	0.0050	0.0000	OK
60 minute summer	MH15	63	29.156	0.021	0.4	0.0000	0.0000	OK
60 minute summer	MH16	32	29.625	0.025	0.8	0.0000	0.0000	OK
60 minute summer	MH17	33	29.510	0.020	1.0	0.0032	0.0000	OK
60 minute summer	MH18	63	29.156	0.021	1.0	0.0000	0.0000	OK
60 minute summer	MH19	64	29.156	0.036	1.1	0.0101	0.0000	OK
60 minute summer	MH20	33	29.622	0.022	0.7	0.0000	0.0000	OK
60 minute summer	MH21	33	29.527	0.027	1.0	0.0044	0.0000	OK
60 minute summer	MH22	33	29.158	0.030	1.0	0.0000	0.0000	OK
60 minute summer	MH23	33	29.615	0.015	0.3	0.0024	0.0000	OK
60 minute summer	MH24	33	29.489	0.019	0.6	0.0029	0.0000	OK
60 minute summer	MH25	63	29.143	0.015	0.6	0.0000	0.0000	OK
60 minute summer	MH26	65	29.143	0.043	1.5	0.0122	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	MH1	1.000	MH2	0.4	0.395	0.064	0.0103	2.1
60 minute summer	MH2	1.001	MH3	0.7	0.525	0.113	0.0153	
60 minute summer	MH3	Flow through Pond	MH10	2.2	0.025	0.000	3.1368	
60 minute summer	MH4	2.000	MH5	0.2	0.249	0.033	0.0056	
60 minute summer	MH5	2.001	MH6	0.5	0.287	0.083	0.0216	
60 minute summer	MH6	2.002	MH7	2.2	0.685	0.122	0.0249	
60 minute summer	MH7	Flow through Pond	MH10	2.2	0.025	0.000	3.1368	
60 minute summer	MH8	3.000	MH9	0.4	0.438	0.066	0.0103	
60 minute summer	MH9	Flow through Pond	MH10	2.2	0.025	0.000	3.1368	
60 minute summer	MH10	1.002	MH11	0.1	0.173	0.004	0.0091	
60 minute summer	MH11	1.003	MH12	0.1	0.407	0.007	0.0040	
60 minute summer	MH12	Weir		0.1				
60 minute summer	MH13	4.000	MH14	0.4	0.436	0.066	0.0129	
60 minute summer	MH14	4.001	MH15	0.4	0.438	0.065	0.0035	
60 minute summer	MH15	Flow through Pond	MH19	1.1	0.018	0.000	1.3038	
60 minute summer	MH16	5.000	MH17	0.8	0.611	0.123	0.0126	
60 minute summer	MH17	5.001	MH18	1.0	0.711	0.038	0.0077	
60 minute summer	MH18	Flow through Pond	MH19	1.1	0.018	0.000	1.3038	
60 minute summer	MH19	4.002	MH11	0.0	0.144	0.002	0.0013	
60 minute summer	MH20	6.000	MH21	0.7	0.459	0.111	0.0140	
60 minute summer	MH21	6.001	MH22	1.0	0.577	0.160	0.0163	
60 minute summer	MH22	Flow through Pond	MH26	1.5	0.034	0.001	1.3427	
60 minute summer	MH23	7.000	MH24	0.3	0.345	0.048	0.0108	
60 minute summer	MH24	7.001	MH25	0.6	0.601	0.072	0.0037	
60 minute summer	MH25	Flow through Pond	MH26	1.5	0.034	0.001	1.3427	
60 minute summer	MH26	6.002	MH12	0.0	0.385	0.003	0.0004	

Results for 1 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 97.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	MH1	35	29.706	0.015	0.3	0.0000	0.0000	OK
60 minute winter	MH2	34	29.610	0.019	0.5	0.0000	0.0000	OK
60 minute winter	MH3	65	29.062	0.048	0.5	0.0000	0.0000	OK
60 minute winter	MH4	36	29.700	0.009	0.1	0.0000	0.0000	OK
60 minute winter	MH5	34	29.636	0.015	0.3	0.0000	0.0000	OK
60 minute winter	MH6	34	29.531	0.030	1.5	0.0047	0.0000	OK
60 minute winter	MH7	65	29.062	0.048	1.5	0.0000	0.0000	OK
60 minute winter	MH8	34	29.706	0.015	0.3	0.0000	0.0000	OK
60 minute winter	MH9	65	29.062	0.048	0.3	0.0000	0.0000	OK
60 minute winter	MH10	63	29.062	0.071	1.7	0.0200	0.0000	OK
60 minute winter	MH11	66	28.861	0.011	0.1	0.0031	0.0000	OK
60 minute winter	MH12	65	28.762	0.002	0.1	0.0005	0.0000	OK
60 minute winter	MH13	29	29.615	0.015	0.3	0.0043	0.0000	OK
60 minute winter	MH14	31	29.475	0.015	0.3	0.0043	0.0000	OK
60 minute winter	MH15	62	29.156	0.021	0.3	0.0000	0.0000	OK
60 minute winter	MH16	32	29.621	0.021	0.6	0.0000	0.0000	OK
60 minute winter	MH17	32	29.507	0.017	0.7	0.0027	0.0000	OK
60 minute winter	MH18	62	29.156	0.021	0.7	0.0000	0.0000	OK
60 minute winter	MH19	64	29.156	0.036	0.8	0.0102	0.0000	OK
60 minute winter	MH20	35	29.619	0.019	0.5	0.0000	0.0000	OK
60 minute winter	MH21	35	29.523	0.023	0.7	0.0036	0.0000	OK
60 minute winter	MH22	35	29.152	0.024	0.7	0.0000	0.0000	OK
60 minute winter	MH23	37	29.612	0.012	0.2	0.0020	0.0000	OK
60 minute winter	MH24	37	29.485	0.015	0.4	0.0024	0.0000	OK
60 minute winter	MH25	63	29.144	0.016	0.4	0.0000	0.0000	OK
60 minute winter	MH26	61	29.144	0.044	1.1	0.0123	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	MH1	1.000	MH2	0.3	0.395	0.048	0.0083	2.1
60 minute winter	MH2	1.001	MH3	0.5	0.476	0.081	0.0120	
60 minute winter	MH3	Flow through Pond	MH10	1.6	0.025	0.000	3.2021	
60 minute winter	MH4	2.000	MH5	0.1	0.222	0.016	0.0038	
60 minute winter	MH5	2.001	MH6	0.3	0.261	0.050	0.0161	
60 minute winter	MH6	2.002	MH7	1.5	0.615	0.083	0.0190	
60 minute winter	MH7	Flow through Pond	MH10	1.6	0.025	0.000	3.2021	
60 minute winter	MH8	3.000	MH9	0.3	0.402	0.050	0.0084	
60 minute winter	MH9	Flow through Pond	MH10	1.6	0.025	0.000	3.2021	
60 minute winter	MH10	1.002	MH11	0.1	0.178	0.004	0.0092	
60 minute winter	MH11	1.003	MH12	0.1	0.408	0.007	0.0040	
60 minute winter	MH12	Weir		0.1				
60 minute winter	MH13	4.000	MH14	0.3	0.403	0.050	0.0105	
60 minute winter	MH14	4.001	MH15	0.3	0.403	0.049	0.0029	
60 minute winter	MH15	Flow through Pond	MH19	0.8	0.017	0.000	1.3250	
60 minute winter	MH16	5.000	MH17	0.6	0.571	0.093	0.0101	
60 minute winter	MH17	5.001	MH18	0.7	0.639	0.027	0.0060	
60 minute winter	MH18	Flow through Pond	MH19	0.8	0.017	0.000	1.3250	
60 minute winter	MH19	4.002	MH11	0.0	0.145	0.002	0.0013	
60 minute winter	MH20	6.000	MH21	0.5	0.421	0.079	0.0109	
60 minute winter	MH21	6.001	MH22	0.7	0.523	0.113	0.0127	
60 minute winter	MH22	Flow through Pond	MH26	1.1	0.040	0.001	1.3764	
60 minute winter	MH23	7.000	MH24	0.2	0.307	0.032	0.0082	
60 minute winter	MH24	7.001	MH25	0.4	0.538	0.049	0.0028	
60 minute winter	MH25	Flow through Pond	MH26	1.1	0.040	0.001	1.3764	
60 minute winter	MH26	6.002	MH12	0.0	0.386	0.003	0.0004	

Results for 1 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 97.25%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	MH1	64	29.708	0.017	0.4	0.0000	0.0000	OK
120 minute summer	MH2	64	29.612	0.021	0.6	0.0000	0.0000	OK
120 minute summer	MH3	124	29.087	0.072	0.6	0.0000	0.0000	OK
120 minute summer	MH4	64	29.700	0.009	0.1	0.0000	0.0000	OK
120 minute summer	MH5	66	29.638	0.017	0.4	0.0000	0.0000	OK
120 minute summer	MH6	64	29.534	0.033	1.8	0.0052	0.0000	OK
120 minute summer	MH7	124	29.087	0.072	1.8	0.0000	0.0000	OK
120 minute summer	MH8	64	29.708	0.017	0.4	0.0000	0.0000	OK
120 minute summer	MH9	124	29.087	0.072	0.4	0.0000	0.0000	OK
120 minute summer	MH10	122	29.086	0.095	1.6	0.0270	0.0000	OK
120 minute summer	MH11	124	28.862	0.012	0.1	0.0033	0.0000	OK
120 minute summer	MH12	124	28.762	0.002	0.2	0.0006	0.0000	OK
120 minute summer	MH13	64	29.618	0.018	0.4	0.0050	0.0000	OK
120 minute summer	MH14	64	29.478	0.018	0.4	0.0050	0.0000	OK
120 minute summer	MH15	122	29.170	0.034	0.4	0.0000	0.0000	OK
120 minute summer	MH16	64	29.623	0.023	0.7	0.0000	0.0000	OK
120 minute summer	MH17	64	29.508	0.018	0.8	0.0029	0.0000	OK
120 minute summer	MH18	122	29.170	0.034	0.8	0.0000	0.0000	OK
120 minute summer	MH19	122	29.169	0.049	0.6	0.0140	0.0000	OK
120 minute summer	MH20	64	29.621	0.021	0.6	0.0000	0.0000	OK
120 minute summer	MH21	64	29.526	0.026	0.9	0.0041	0.0000	OK
120 minute summer	MH22	122	29.158	0.029	0.9	0.0000	0.0000	OK
120 minute summer	MH23	68	29.612	0.012	0.2	0.0020	0.0000	OK
120 minute summer	MH24	66	29.485	0.015	0.4	0.0024	0.0000	OK
120 minute summer	MH25	122	29.158	0.029	0.4	0.0000	0.0000	OK
120 minute summer	MH26	122	29.157	0.057	1.0	0.0162	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	MH1	1.000	MH2	0.4	0.384	0.064	0.0097	2.9
120 minute summer	MH2	1.001	MH3	0.6	0.502	0.097	0.0137	
120 minute summer	MH3	Flow through Pond	MH10	1.5	0.014	0.000	4.5370	
120 minute summer	MH4	2.000	MH5	0.1	0.223	0.016	0.0044	
120 minute summer	MH5	2.001	MH6	0.4	0.268	0.066	0.0187	
120 minute summer	MH6	2.002	MH7	1.8	0.648	0.100	0.0216	
120 minute summer	MH7	Flow through Pond	MH10	1.5	0.014	0.000	4.5370	
120 minute summer	MH8	3.000	MH9	0.4	0.438	0.066	0.0103	
120 minute summer	MH9	Flow through Pond	MH10	1.5	0.014	0.000	4.5370	
120 minute summer	MH10	1.002	MH11	0.1	0.157	0.005	0.0103	
120 minute summer	MH11	1.003	MH12	0.1	0.426	0.008	0.0045	
120 minute summer	MH12	Weir		0.2				
120 minute summer	MH13	4.000	MH14	0.4	0.433	0.066	0.0129	
120 minute summer	MH14	4.001	MH15	0.4	0.438	0.065	0.0035	
120 minute summer	MH15	Flow through Pond	MH19	0.6	0.008	0.000	1.9533	
120 minute summer	MH16	5.000	MH17	0.7	0.601	0.108	0.0112	
120 minute summer	MH17	5.001	MH18	0.8	0.665	0.030	0.0066	
120 minute summer	MH18	Flow through Pond	MH19	0.6	0.008	0.000	1.9533	
120 minute summer	MH19	4.002	MH11	0.0	0.155	0.003	0.0014	
120 minute summer	MH20	6.000	MH21	0.6	0.431	0.095	0.0128	
120 minute summer	MH21	6.001	MH22	0.9	0.561	0.145	0.0152	
120 minute summer	MH22	Flow through Pond	MH26	1.0	0.020	0.001	2.0190	
120 minute summer	MH23	7.000	MH24	0.2	0.307	0.032	0.0082	
120 minute summer	MH24	7.001	MH25	0.4	0.538	0.049	0.0028	
120 minute summer	MH25	Flow through Pond	MH26	1.0	0.020	0.001	2.0190	
120 minute summer	MH26	6.002	MH12	0.0	0.403	0.004	0.0004	

Results for 1 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 97.23%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	MH1	56	29.703	0.012	0.2	0.0000	0.0000	OK
120 minute winter	MH2	56	29.606	0.015	0.3	0.0000	0.0000	OK
120 minute winter	MH3	122	29.089	0.075	0.3	0.0000	0.0000	OK
120 minute winter	MH4	60	29.700	0.009	0.1	0.0000	0.0000	OK
120 minute winter	MH5	60	29.636	0.015	0.3	0.0000	0.0000	OK
120 minute winter	MH6	64	29.529	0.028	1.3	0.0044	0.0000	OK
120 minute winter	MH7	120	29.089	0.075	1.3	0.0000	0.0000	OK
120 minute winter	MH8	56	29.704	0.012	0.2	0.0000	0.0000	OK
120 minute winter	MH9	122	29.089	0.075	0.2	0.0000	0.0000	OK
120 minute winter	MH10	120	29.089	0.098	1.2	0.0277	0.0000	OK
120 minute winter	MH11	122	28.862	0.012	0.1	0.0033	0.0000	OK
120 minute winter	MH12	122	28.762	0.002	0.2	0.0006	0.0000	OK
120 minute winter	MH13	50	29.613	0.013	0.2	0.0036	0.0000	OK
120 minute winter	MH14	52	29.473	0.013	0.2	0.0035	0.0000	OK
120 minute winter	MH15	120	29.170	0.035	0.2	0.0000	0.0000	OK
120 minute winter	MH16	60	29.619	0.019	0.5	0.0000	0.0000	OK
120 minute winter	MH17	60	29.506	0.016	0.6	0.0025	0.0000	OK
120 minute winter	MH18	120	29.170	0.035	0.6	0.0000	0.0000	OK
120 minute winter	MH19	120	29.170	0.050	0.5	0.0140	0.0000	OK
120 minute winter	MH20	64	29.617	0.017	0.4	0.0000	0.0000	OK
120 minute winter	MH21	64	29.521	0.021	0.6	0.0034	0.0000	OK
120 minute winter	MH22	120	29.157	0.029	0.6	0.0000	0.0000	OK
120 minute winter	MH23	50	29.609	0.009	0.1	0.0014	0.0000	OK
120 minute winter	MH24	50	29.481	0.011	0.2	0.0017	0.0000	OK
120 minute winter	MH25	120	29.157	0.029	0.2	0.0000	0.0000	OK
120 minute winter	MH26	118	29.157	0.057	0.7	0.0162	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	MH1	1.000	MH2	0.2	0.344	0.032	0.0060	2.9
120 minute winter	MH2	1.001	MH3	0.3	0.409	0.049	0.0084	
120 minute winter	MH3	Flow through Pond	MH10	1.1	0.016	0.000	4.6715	
120 minute winter	MH4	2.000	MH5	0.1	0.223	0.016	0.0038	
120 minute winter	MH5	2.001	MH6	0.3	0.262	0.050	0.0150	
120 minute winter	MH6	2.002	MH7	1.3	0.590	0.072	0.0172	
120 minute winter	MH7	Flow through Pond	MH10	1.1	0.016	0.000	4.6715	
120 minute winter	MH8	3.000	MH9	0.2	0.356	0.033	0.0064	
120 minute winter	MH9	Flow through Pond	MH10	1.1	0.016	0.000	4.6715	
120 minute winter	MH10	1.002	MH11	0.1	0.158	0.005	0.0103	
120 minute winter	MH11	1.003	MH12	0.1	0.427	0.008	0.0045	
120 minute winter	MH12	Weir		0.2				
120 minute winter	MH13	4.000	MH14	0.2	0.355	0.033	0.0079	
120 minute winter	MH14	4.001	MH15	0.2	0.357	0.033	0.0022	
120 minute winter	MH15	Flow through Pond	MH19	0.5	0.010	0.000	1.9577	
120 minute winter	MH16	5.000	MH17	0.5	0.538	0.077	0.0089	
120 minute winter	MH17	5.001	MH18	0.6	0.610	0.023	0.0054	
120 minute winter	MH18	Flow through Pond	MH19	0.5	0.010	0.000	1.9577	
120 minute winter	MH19	4.002	MH11	0.0	0.154	0.003	0.0014	
120 minute winter	MH20	6.000	MH21	0.4	0.383	0.063	0.0096	
120 minute winter	MH21	6.001	MH22	0.6	0.500	0.097	0.0114	
120 minute winter	MH22	Flow through Pond	MH26	0.7	0.024	0.000	2.0050	
120 minute winter	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
120 minute winter	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
120 minute winter	MH25	Flow through Pond	MH26	0.7	0.024	0.000	2.0050	
120 minute winter	MH26	6.002	MH12	0.0	0.403	0.003	0.0004	

Results for 1 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 97.18%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	MH1	96	29.706	0.015	0.3	0.0000	0.0000	OK
180 minute summer	MH2	96	29.610	0.019	0.5	0.0000	0.0000	OK
180 minute summer	MH3	184	29.100	0.086	0.5	0.0000	0.0000	OK
180 minute summer	MH4	92	29.700	0.009	0.1	0.0000	0.0000	OK
180 minute summer	MH5	92	29.636	0.015	0.3	0.0000	0.0000	OK
180 minute summer	MH6	96	29.531	0.030	1.5	0.0047	0.0000	OK
180 minute summer	MH7	184	29.100	0.086	1.5	0.0000	0.0000	OK
180 minute summer	MH8	96	29.706	0.015	0.3	0.0000	0.0000	OK
180 minute summer	MH9	184	29.100	0.086	0.3	0.0000	0.0000	OK
180 minute summer	MH10	184	29.100	0.109	1.3	0.0307	0.0000	OK
180 minute summer	MH11	188	28.862	0.012	0.1	0.0034	0.0000	OK
180 minute summer	MH12	184	28.762	0.002	0.2	0.0006	0.0000	OK
180 minute summer	MH13	96	29.615	0.015	0.3	0.0043	0.0000	OK
180 minute summer	MH14	96	29.475	0.015	0.3	0.0043	0.0000	OK
180 minute summer	MH15	184	29.179	0.044	0.3	0.0000	0.0000	OK
180 minute summer	MH16	96	29.621	0.021	0.6	0.0000	0.0000	OK
180 minute summer	MH17	96	29.507	0.017	0.7	0.0027	0.0000	OK
180 minute summer	MH18	184	29.179	0.044	0.7	0.0000	0.0000	OK
180 minute summer	MH19	184	29.179	0.059	0.5	0.0167	0.0000	OK
180 minute summer	MH20	96	29.619	0.019	0.5	0.0000	0.0000	OK
180 minute summer	MH21	96	29.523	0.023	0.7	0.0036	0.0000	OK
180 minute summer	MH22	160	29.163	0.035	0.7	0.0000	0.0000	OK
180 minute summer	MH23	96	29.612	0.012	0.2	0.0020	0.0000	OK
180 minute summer	MH24	96	29.485	0.015	0.4	0.0024	0.0000	OK
180 minute summer	MH25	160	29.163	0.035	0.4	0.0000	0.0000	OK
180 minute summer	MH26	160	29.163	0.063	0.7	0.0177	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	MH1	1.000	MH2	0.3	0.369	0.048	0.0083	3.5
180 minute summer	MH2	1.001	MH3	0.5	0.476	0.081	0.0120	
180 minute summer	MH3	Flow through Pond	MH10	1.2	0.011	0.000	5.2552	
180 minute summer	MH4	2.000	MH5	0.1	0.223	0.016	0.0038	
180 minute summer	MH5	2.001	MH6	0.3	0.262	0.050	0.0161	
180 minute summer	MH6	2.002	MH7	1.5	0.615	0.083	0.0190	
180 minute summer	MH7	Flow through Pond	MH10	1.2	0.011	0.000	5.2552	
180 minute summer	MH8	3.000	MH9	0.3	0.402	0.050	0.0084	
180 minute summer	MH9	Flow through Pond	MH10	1.2	0.011	0.000	5.2552	
180 minute summer	MH10	1.002	MH11	0.1	0.160	0.006	0.0108	
180 minute summer	MH11	1.003	MH12	0.1	0.435	0.009	0.0048	
180 minute summer	MH12	Weir		0.2				
180 minute summer	MH13	4.000	MH14	0.3	0.399	0.050	0.0105	
180 minute summer	MH14	4.001	MH15	0.3	0.403	0.049	0.0029	
180 minute summer	MH15	Flow through Pond	MH19	0.5	0.005	0.000	2.3965	
180 minute summer	MH16	5.000	MH17	0.6	0.571	0.093	0.0101	
180 minute summer	MH17	5.001	MH18	0.7	0.639	0.027	0.0060	
180 minute summer	MH18	Flow through Pond	MH19	0.5	0.005	0.000	2.3965	
180 minute summer	MH19	4.002	MH11	0.0	0.161	0.003	0.0015	
180 minute summer	MH20	6.000	MH21	0.5	0.420	0.079	0.0109	
180 minute summer	MH21	6.001	MH22	0.7	0.523	0.113	0.0127	
180 minute summer	MH22	Flow through Pond	MH26	0.7	0.018	0.000	2.2585	
180 minute summer	MH23	7.000	MH24	0.2	0.307	0.032	0.0082	
180 minute summer	MH24	7.001	MH25	0.4	0.538	0.049	0.0028	
180 minute summer	MH25	Flow through Pond	MH26	0.7	0.018	0.000	2.2585	
180 minute summer	MH26	6.002	MH12	0.1	0.408	0.004	0.0004	

Results for 1 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 97.13%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	MH1	88	29.703	0.012	0.2	0.0000	0.0000	OK
180 minute winter	MH2	88	29.606	0.015	0.3	0.0000	0.0000	OK
180 minute winter	MH3	180	29.105	0.091	0.3	0.0000	0.0000	OK
180 minute winter	MH4	88	29.700	0.009	0.1	0.0000	0.0000	OK
180 minute winter	MH5	96	29.636	0.015	0.3	0.0000	0.0000	OK
180 minute winter	MH6	96	29.526	0.025	1.1	0.0041	0.0000	OK
180 minute winter	MH7	180	29.105	0.091	1.1	0.0000	0.0000	OK
180 minute winter	MH8	88	29.704	0.012	0.2	0.0000	0.0000	OK
180 minute winter	MH9	180	29.105	0.091	0.2	0.0000	0.0000	OK
180 minute winter	MH10	180	29.105	0.114	0.9	0.0322	0.0000	OK
180 minute winter	MH11	180	28.862	0.012	0.1	0.0034	0.0000	OK
180 minute winter	MH12	176	28.762	0.002	0.2	0.0006	0.0000	OK
180 minute winter	MH13	84	29.613	0.013	0.2	0.0036	0.0000	OK
180 minute winter	MH14	84	29.473	0.013	0.2	0.0035	0.0000	OK
180 minute winter	MH15	176	29.180	0.045	0.2	0.0000	0.0000	OK
180 minute winter	MH16	88	29.617	0.017	0.4	0.0000	0.0000	OK
180 minute winter	MH17	88	29.505	0.015	0.5	0.0023	0.0000	OK
180 minute winter	MH18	176	29.180	0.045	0.5	0.0000	0.0000	OK
180 minute winter	MH19	176	29.180	0.060	0.4	0.0169	0.0000	OK
180 minute winter	MH20	88	29.615	0.015	0.3	0.0000	0.0000	OK
180 minute winter	MH21	96	29.519	0.019	0.5	0.0031	0.0000	OK
180 minute winter	MH22	172	29.166	0.038	0.5	0.0000	0.0000	OK
180 minute winter	MH23	76	29.609	0.009	0.1	0.0014	0.0000	OK
180 minute winter	MH24	76	29.481	0.011	0.2	0.0017	0.0000	OK
180 minute winter	MH25	172	29.166	0.038	0.2	0.0000	0.0000	OK
180 minute winter	MH26	172	29.166	0.066	0.5	0.0187	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	MH1	1.000	MH2	0.2	0.369	0.032	0.0060	3.6
180 minute winter	MH2	1.001	MH3	0.3	0.409	0.049	0.0084	
180 minute winter	MH3	Flow through Pond	MH10	0.8	0.013	0.000	5.5406	
180 minute winter	MH4	2.000	MH5	0.1	0.223	0.016	0.0038	
180 minute winter	MH5	2.001	MH6	0.3	0.264	0.050	0.0139	
180 minute winter	MH6	2.002	MH7	1.1	0.562	0.061	0.0152	
180 minute winter	MH7	Flow through Pond	MH10	0.8	0.013	0.000	5.5406	
180 minute winter	MH8	3.000	MH9	0.2	0.356	0.033	0.0064	
180 minute winter	MH9	Flow through Pond	MH10	0.8	0.013	0.000	5.5406	
180 minute winter	MH10	1.002	MH11	0.1	0.162	0.006	0.0109	
180 minute winter	MH11	1.003	MH12	0.1	0.436	0.009	0.0048	
180 minute winter	MH12	Weir		0.2				
180 minute winter	MH13	4.000	MH14	0.2	0.357	0.033	0.0079	
180 minute winter	MH14	4.001	MH15	0.2	0.357	0.033	0.0022	
180 minute winter	MH15	Flow through Pond	MH19	0.4	0.007	0.000	2.4227	
180 minute winter	MH16	5.000	MH17	0.4	0.498	0.062	0.0077	
180 minute winter	MH17	5.001	MH18	0.5	0.578	0.019	0.0047	
180 minute winter	MH18	Flow through Pond	MH19	0.4	0.007	0.000	2.4227	
180 minute winter	MH19	4.002	MH11	0.0	0.161	0.003	0.0015	
180 minute winter	MH20	6.000	MH21	0.3	0.369	0.047	0.0082	
180 minute winter	MH21	6.001	MH22	0.5	0.474	0.081	0.0100	
180 minute winter	MH22	Flow through Pond	MH26	0.5	0.017	0.000	2.4299	
180 minute winter	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
180 minute winter	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
180 minute winter	MH25	Flow through Pond	MH26	0.5	0.017	0.000	2.4299	
180 minute winter	MH26	6.002	MH12	0.1	0.412	0.004	0.0004	

Results for 1 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 97.19%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	MH1	124	29.706	0.015	0.3	0.0000	0.0000	OK
240 minute summer	MH2	124	29.610	0.019	0.5	0.0000	0.0000	OK
240 minute summer	MH3	240	29.109	0.095	0.5	0.0000	0.0000	OK
240 minute summer	MH4	120	29.700	0.009	0.1	0.0000	0.0000	OK
240 minute summer	MH5	124	29.636	0.015	0.3	0.0000	0.0000	OK
240 minute summer	MH6	124	29.529	0.028	1.3	0.0044	0.0000	OK
240 minute summer	MH7	240	29.109	0.095	1.3	0.0000	0.0000	OK
240 minute summer	MH8	124	29.706	0.015	0.3	0.0000	0.0000	OK
240 minute summer	MH9	240	29.109	0.095	0.3	0.0000	0.0000	OK
240 minute summer	MH10	240	29.109	0.118	1.1	0.0334	0.0000	OK
240 minute summer	MH11	228	28.862	0.012	0.1	0.0035	0.0000	OK
240 minute summer	MH12	224	28.762	0.002	0.2	0.0006	0.0000	OK
240 minute summer	MH13	124	29.615	0.015	0.3	0.0043	0.0000	OK
240 minute summer	MH14	124	29.475	0.015	0.3	0.0042	0.0000	OK
240 minute summer	MH15	224	29.184	0.048	0.3	0.0000	0.0000	OK
240 minute summer	MH16	124	29.619	0.019	0.5	0.0000	0.0000	OK
240 minute summer	MH17	124	29.506	0.016	0.6	0.0025	0.0000	OK
240 minute summer	MH18	224	29.184	0.048	0.6	0.0000	0.0000	OK
240 minute summer	MH19	224	29.183	0.063	0.4	0.0179	0.0000	OK
240 minute summer	MH20	124	29.617	0.017	0.4	0.0000	0.0000	OK
240 minute summer	MH21	128	29.521	0.021	0.6	0.0034	0.0000	OK
240 minute summer	MH22	196	29.165	0.037	0.6	0.0000	0.0000	OK
240 minute summer	MH23	124	29.612	0.012	0.2	0.0019	0.0000	OK
240 minute summer	MH24	124	29.485	0.015	0.4	0.0023	0.0000	OK
240 minute summer	MH25	196	29.165	0.037	0.4	0.0000	0.0000	OK
240 minute summer	MH26	196	29.165	0.065	0.7	0.0183	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	MH1	1.000	MH2	0.3	0.369	0.046	0.0080	4.0
240 minute summer	MH2	1.001	MH3	0.5	0.466	0.076	0.0115	
240 minute summer	MH3	Flow through Pond	MH10	1.0	0.010	0.000	5.7628	
240 minute summer	MH4	2.000	MH5	0.1	0.223	0.016	0.0038	
240 minute summer	MH5	2.001	MH6	0.3	0.262	0.050	0.0150	
240 minute summer	MH6	2.002	MH7	1.3	0.590	0.072	0.0172	
240 minute summer	MH7	Flow through Pond	MH10	1.0	0.010	0.000	5.7628	
240 minute summer	MH8	3.000	MH9	0.3	0.397	0.048	0.0082	
240 minute summer	MH9	Flow through Pond	MH10	1.0	0.010	0.000	5.7628	
240 minute summer	MH10	1.002	MH11	0.1	0.162	0.006	0.0111	
240 minute summer	MH11	1.003	MH12	0.1	0.439	0.009	0.0049	
240 minute summer	MH12	Weir		0.2				
240 minute summer	MH13	4.000	MH14	0.3	0.398	0.048	0.0102	
240 minute summer	MH14	4.001	MH15	0.3	0.393	0.045	0.0027	
240 minute summer	MH15	Flow through Pond	MH19	0.4	0.005	0.000	2.5966	
240 minute summer	MH16	5.000	MH17	0.5	0.538	0.077	0.0089	
240 minute summer	MH17	5.001	MH18	0.6	0.610	0.023	0.0054	
240 minute summer	MH18	Flow through Pond	MH19	0.4	0.005	0.000	2.5966	
240 minute summer	MH19	4.002	MH11	0.1	0.163	0.003	0.0015	
240 minute summer	MH20	6.000	MH21	0.4	0.383	0.063	0.0096	
240 minute summer	MH21	6.001	MH22	0.6	0.500	0.097	0.0114	
240 minute summer	MH22	Flow through Pond	MH26	0.7	0.016	0.000	2.3657	
240 minute summer	MH23	7.000	MH24	0.2	0.302	0.030	0.0078	
240 minute summer	MH24	7.001	MH25	0.4	0.524	0.045	0.0027	
240 minute summer	MH25	Flow through Pond	MH26	0.7	0.016	0.000	2.3657	
240 minute summer	MH26	6.002	MH12	0.1	0.410	0.004	0.0004	

Results for 1 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 97.17%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	MH1	120	29.703	0.012	0.2	0.0000	0.0000	OK
240 minute winter	MH2	120	29.606	0.015	0.3	0.0000	0.0000	OK
240 minute winter	MH3	236	29.112	0.097	0.3	0.0000	0.0000	OK
240 minute winter	MH4	120	29.700	0.009	0.1	0.0000	0.0000	OK
240 minute winter	MH5	116	29.633	0.012	0.2	0.0000	0.0000	OK
240 minute winter	MH6	124	29.524	0.023	0.9	0.0037	0.0000	OK
240 minute winter	MH7	236	29.112	0.097	0.9	0.0000	0.0000	OK
240 minute winter	MH8	120	29.704	0.012	0.2	0.0000	0.0000	OK
240 minute winter	MH9	236	29.112	0.097	0.2	0.0000	0.0000	OK
240 minute winter	MH10	236	29.111	0.120	0.8	0.0340	0.0000	OK
240 minute winter	MH11	236	28.862	0.012	0.1	0.0035	0.0000	OK
240 minute winter	MH12	232	28.762	0.002	0.2	0.0006	0.0000	OK
240 minute winter	MH13	116	29.613	0.013	0.2	0.0036	0.0000	OK
240 minute winter	MH14	116	29.473	0.013	0.2	0.0035	0.0000	OK
240 minute winter	MH15	232	29.183	0.048	0.2	0.0000	0.0000	OK
240 minute winter	MH16	108	29.615	0.015	0.3	0.0000	0.0000	OK
240 minute winter	MH17	108	29.503	0.013	0.4	0.0021	0.0000	OK
240 minute winter	MH18	232	29.183	0.048	0.4	0.0000	0.0000	OK
240 minute winter	MH19	232	29.183	0.063	0.3	0.0178	0.0000	OK
240 minute winter	MH20	124	29.615	0.015	0.3	0.0000	0.0000	OK
240 minute winter	MH21	124	29.517	0.017	0.4	0.0028	0.0000	OK
240 minute winter	MH22	200	29.167	0.039	0.4	0.0000	0.0000	OK
240 minute winter	MH23	100	29.609	0.009	0.1	0.0014	0.0000	OK
240 minute winter	MH24	100	29.481	0.011	0.2	0.0017	0.0000	OK
240 minute winter	MH25	200	29.167	0.039	0.2	0.0000	0.0000	OK
240 minute winter	MH26	200	29.167	0.067	0.5	0.0190	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	MH1	1.000	MH2	0.2	0.369	0.032	0.0060	4.1
240 minute winter	MH2	1.001	MH3	0.3	0.409	0.049	0.0084	
240 minute winter	MH3	Flow through Pond	MH10	0.7	0.010	0.000	5.8864	
240 minute winter	MH4	2.000	MH5	0.1	0.223	0.016	0.0031	
240 minute winter	MH5	2.001	MH6	0.2	0.237	0.033	0.0115	
240 minute winter	MH6	2.002	MH7	0.9	0.530	0.050	0.0132	
240 minute winter	MH7	Flow through Pond	MH10	0.7	0.010	0.000	5.8864	
240 minute winter	MH8	3.000	MH9	0.2	0.356	0.033	0.0064	
240 minute winter	MH9	Flow through Pond	MH10	0.7	0.010	0.000	5.8864	
240 minute winter	MH10	1.002	MH11	0.1	0.163	0.006	0.0112	
240 minute winter	MH11	1.003	MH12	0.1	0.440	0.009	0.0049	
240 minute winter	MH12	Weir		0.2				
240 minute winter	MH13	4.000	MH14	0.2	0.357	0.033	0.0079	
240 minute winter	MH14	4.001	MH15	0.2	0.357	0.033	0.0022	
240 minute winter	MH15	Flow through Pond	MH19	0.3	0.005	0.000	2.5861	
240 minute winter	MH16	5.000	MH17	0.3	0.449	0.046	0.0064	
240 minute winter	MH17	5.001	MH18	0.4	0.542	0.015	0.0041	
240 minute winter	MH18	Flow through Pond	MH19	0.3	0.005	0.000	2.5861	
240 minute winter	MH19	4.002	MH11	0.1	0.163	0.003	0.0015	
240 minute winter	MH20	6.000	MH21	0.3	0.369	0.047	0.0074	
240 minute winter	MH21	6.001	MH22	0.4	0.444	0.064	0.0085	
240 minute winter	MH22	Flow through Pond	MH26	0.5	0.017	0.000	2.4769	
240 minute winter	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
240 minute winter	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
240 minute winter	MH25	Flow through Pond	MH26	0.5	0.017	0.000	2.4769	
240 minute winter	MH26	6.002	MH12	0.1	0.413	0.004	0.0004	

Results for 1 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 97.31%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	MH1	184	29.703	0.012	0.2	0.0000	0.0000	OK
360 minute summer	MH2	184	29.606	0.015	0.3	0.0000	0.0000	OK
360 minute summer	MH3	360	29.117	0.102	0.3	0.0000	0.0000	OK
360 minute summer	MH4	184	29.700	0.009	0.1	0.0000	0.0000	OK
360 minute summer	MH5	184	29.636	0.015	0.3	0.0000	0.0000	OK
360 minute summer	MH6	184	29.526	0.025	1.1	0.0040	0.0000	OK
360 minute summer	MH7	360	29.117	0.103	1.1	0.0000	0.0000	OK
360 minute summer	MH8	184	29.704	0.012	0.2	0.0000	0.0000	OK
360 minute summer	MH9	360	29.117	0.102	0.2	0.0000	0.0000	OK
360 minute summer	MH10	360	29.116	0.125	0.8	0.0355	0.0000	OK
360 minute summer	MH11	288	28.862	0.012	0.1	0.0035	0.0000	OK
360 minute summer	MH12	280	28.762	0.002	0.2	0.0006	0.0000	OK
360 minute summer	MH13	184	29.613	0.013	0.2	0.0036	0.0000	OK
360 minute summer	MH14	184	29.473	0.013	0.2	0.0035	0.0000	OK
360 minute summer	MH15	288	29.182	0.047	0.2	0.0000	0.0000	OK
360 minute summer	MH16	184	29.617	0.017	0.4	0.0000	0.0000	OK
360 minute summer	MH17	184	29.505	0.015	0.5	0.0023	0.0000	OK
360 minute summer	MH18	288	29.182	0.047	0.5	0.0000	0.0000	OK
360 minute summer	MH19	288	29.182	0.062	0.4	0.0174	0.0000	OK
360 minute summer	MH20	184	29.615	0.015	0.3	0.0000	0.0000	OK
360 minute summer	MH21	184	29.519	0.019	0.5	0.0031	0.0000	OK
360 minute summer	MH22	264	29.168	0.040	0.5	0.0000	0.0000	OK
360 minute summer	MH23	168	29.609	0.009	0.1	0.0014	0.0000	OK
360 minute summer	MH24	168	29.481	0.011	0.2	0.0017	0.0000	OK
360 minute summer	MH25	264	29.168	0.040	0.2	0.0000	0.0000	OK
360 minute summer	MH26	264	29.168	0.068	0.5	0.0192	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	MH1	1.000	MH2	0.2	0.313	0.032	0.0060	4.8
360 minute summer	MH2	1.001	MH3	0.3	0.409	0.049	0.0084	
360 minute summer	MH3	Flow through Pond	MH10	0.7	0.007	0.000	6.1725	
360 minute summer	MH4	2.000	MH5	0.1	0.223	0.016	0.0037	
360 minute summer	MH5	2.001	MH6	0.3	0.261	0.049	0.0137	
360 minute summer	MH6	2.002	MH7	1.1	0.560	0.060	0.0151	
360 minute summer	MH7	Flow through Pond	MH10	0.7	0.007	0.000	6.1725	
360 minute summer	MH8	3.000	MH9	0.2	0.356	0.033	0.0064	
360 minute summer	MH9	Flow through Pond	MH10	0.7	0.007	0.000	6.1725	
360 minute summer	MH10	1.002	MH11	0.1	0.165	0.006	0.0112	
360 minute summer	MH11	1.003	MH12	0.1	0.440	0.009	0.0049	
360 minute summer	MH12	Weir		0.2				
360 minute summer	MH13	4.000	MH14	0.2	0.354	0.033	0.0079	
360 minute summer	MH14	4.001	MH15	0.2	0.357	0.033	0.0022	
360 minute summer	MH15	Flow through Pond	MH19	0.4	0.005	0.000	2.5189	
360 minute summer	MH16	5.000	MH17	0.4	0.498	0.062	0.0077	
360 minute summer	MH17	5.001	MH18	0.5	0.578	0.019	0.0047	
360 minute summer	MH18	Flow through Pond	MH19	0.4	0.005	0.000	2.5189	
360 minute summer	MH19	4.002	MH11	0.0	0.160	0.003	0.0015	
360 minute summer	MH20	6.000	MH21	0.3	0.368	0.047	0.0081	
360 minute summer	MH21	6.001	MH22	0.5	0.472	0.080	0.0099	
360 minute summer	MH22	Flow through Pond	MH26	0.5	0.017	0.000	2.5106	
360 minute summer	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
360 minute summer	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
360 minute summer	MH25	Flow through Pond	MH26	0.5	0.017	0.000	2.5106	
360 minute summer	MH26	6.002	MH12	0.1	0.413	0.004	0.0004	

Results for 1 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 97.30%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	MH1	128	29.700	0.009	0.1	0.0000	0.0000	OK
360 minute winter	MH2	152	29.603	0.012	0.2	0.0000	0.0000	OK
360 minute winter	MH3	352	29.118	0.104	0.2	0.0000	0.0000	OK
360 minute winter	MH4	192	29.700	0.009	0.1	0.0000	0.0000	OK
360 minute winter	MH5	192	29.633	0.012	0.2	0.0000	0.0000	OK
360 minute winter	MH6	192	29.521	0.020	0.7	0.0032	0.0000	OK
360 minute winter	MH7	352	29.118	0.104	0.7	0.0000	0.0000	OK
360 minute winter	MH8	136	29.700	0.009	0.1	0.0000	0.0000	OK
360 minute winter	MH9	352	29.118	0.104	0.1	0.0000	0.0000	OK
360 minute winter	MH10	352	29.118	0.127	0.6	0.0358	0.0000	OK
360 minute winter	MH11	296	28.862	0.012	0.1	0.0035	0.0000	OK
360 minute winter	MH12	288	28.762	0.002	0.2	0.0006	0.0000	OK
360 minute winter	MH13	136	29.609	0.009	0.1	0.0026	0.0000	OK
360 minute winter	MH14	128	29.469	0.009	0.1	0.0025	0.0000	OK
360 minute winter	MH15	296	29.181	0.046	0.1	0.0000	0.0000	OK
360 minute winter	MH16	184	29.615	0.015	0.3	0.0000	0.0000	OK
360 minute winter	MH17	184	29.503	0.013	0.4	0.0021	0.0000	OK
360 minute winter	MH18	296	29.181	0.046	0.4	0.0000	0.0000	OK
360 minute winter	MH19	296	29.181	0.061	0.3	0.0172	0.0000	OK
360 minute winter	MH20	160	29.612	0.012	0.2	0.0000	0.0000	OK
360 minute winter	MH21	160	29.515	0.015	0.3	0.0024	0.0000	OK
360 minute winter	MH22	280	29.174	0.046	0.3	0.0000	0.0000	OK
360 minute winter	MH23	160	29.609	0.009	0.1	0.0014	0.0000	OK
360 minute winter	MH24	160	29.481	0.011	0.2	0.0017	0.0000	OK
360 minute winter	MH25	280	29.174	0.046	0.2	0.0000	0.0000	OK
360 minute winter	MH26	280	29.174	0.074	0.5	0.0209	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	MH1	1.000	MH2	0.1	0.301	0.016	0.0041	4.9
360 minute winter	MH2	1.001	MH3	0.2	0.362	0.032	0.0063	
360 minute winter	MH3	Flow through Pond	MH10	0.5	0.006	0.000	6.2292	
360 minute winter	MH4	2.000	MH5	0.1	0.223	0.016	0.0031	
360 minute winter	MH5	2.001	MH6	0.2	0.238	0.033	0.0102	
360 minute winter	MH6	2.002	MH7	0.7	0.492	0.039	0.0111	
360 minute winter	MH7	Flow through Pond	MH10	0.5	0.006	0.000	6.2292	
360 minute winter	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
360 minute winter	MH9	Flow through Pond	MH10	0.5	0.006	0.000	6.2292	
360 minute winter	MH10	1.002	MH11	0.1	0.166	0.006	0.0113	
360 minute winter	MH11	1.003	MH12	0.1	0.440	0.009	0.0049	
360 minute winter	MH12	Weir		0.2				
360 minute winter	MH13	4.000	MH14	0.1	0.295	0.017	0.0049	
360 minute winter	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
360 minute winter	MH15	Flow through Pond	MH19	0.3	0.005	0.000	2.4856	
360 minute winter	MH16	5.000	MH17	0.3	0.449	0.046	0.0064	
360 minute winter	MH17	5.001	MH18	0.4	0.542	0.015	0.0041	
360 minute winter	MH18	Flow through Pond	MH19	0.3	0.005	0.000	2.4856	
360 minute winter	MH19	4.002	MH11	0.0	0.160	0.003	0.0015	
360 minute winter	MH20	6.000	MH21	0.2	0.313	0.032	0.0059	
360 minute winter	MH21	6.001	MH22	0.3	0.408	0.048	0.0070	
360 minute winter	MH22	Flow through Pond	MH26	0.5	0.012	0.000	2.7917	
360 minute winter	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
360 minute winter	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
360 minute winter	MH25	Flow through Pond	MH26	0.5	0.012	0.000	2.7917	
360 minute winter	MH26	6.002	MH12	0.1	0.419	0.004	0.0004	

Results for 1 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 97.43%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	MH1	248	29.703	0.012	0.2	0.0000	0.0000	OK
480 minute summer	MH2	248	29.606	0.015	0.3	0.0000	0.0000	OK
480 minute summer	MH3	480	29.123	0.108	0.3	0.0000	0.0000	OK
480 minute summer	MH4	248	29.700	0.009	0.1	0.0000	0.0000	OK
480 minute summer	MH5	248	29.633	0.012	0.2	0.0000	0.0000	OK
480 minute summer	MH6	248	29.523	0.022	0.8	0.0035	0.0000	OK
480 minute summer	MH7	480	29.123	0.109	0.8	0.0000	0.0000	OK
480 minute summer	MH8	248	29.704	0.012	0.2	0.0000	0.0000	OK
480 minute summer	MH9	480	29.123	0.108	0.2	0.0000	0.0000	OK
480 minute summer	MH10	480	29.122	0.131	0.7	0.0372	0.0000	OK
480 minute summer	MH11	352	28.862	0.012	0.1	0.0035	0.0000	OK
480 minute summer	MH12	344	28.762	0.002	0.2	0.0006	0.0000	OK
480 minute summer	MH13	248	29.613	0.013	0.2	0.0036	0.0000	OK
480 minute summer	MH14	248	29.473	0.013	0.2	0.0035	0.0000	OK
480 minute summer	MH15	352	29.182	0.047	0.2	0.0000	0.0000	OK
480 minute summer	MH16	240	29.615	0.015	0.3	0.0000	0.0000	OK
480 minute summer	MH17	240	29.503	0.013	0.4	0.0021	0.0000	OK
480 minute summer	MH18	352	29.182	0.047	0.4	0.0000	0.0000	OK
480 minute summer	MH19	352	29.182	0.062	0.3	0.0176	0.0000	OK
480 minute summer	MH20	248	29.615	0.015	0.3	0.0000	0.0000	OK
480 minute summer	MH21	248	29.517	0.017	0.4	0.0028	0.0000	OK
480 minute summer	MH22	336	29.170	0.042	0.4	0.0000	0.0000	OK
480 minute summer	MH23	224	29.609	0.009	0.1	0.0014	0.0000	OK
480 minute summer	MH24	224	29.481	0.011	0.2	0.0017	0.0000	OK
480 minute summer	MH25	336	29.170	0.042	0.2	0.0000	0.0000	OK
480 minute summer	MH26	336	29.170	0.070	0.5	0.0197	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	MH1	1.000	MH2	0.2	0.313	0.032	0.0060	5.7
480 minute summer	MH2	1.001	MH3	0.3	0.409	0.049	0.0084	
480 minute summer	MH3	Flow through Pond	MH10	0.6	0.007	0.000	6.4931	
480 minute summer	MH4	2.000	MH5	0.1	0.223	0.016	0.0031	
480 minute summer	MH5	2.001	MH6	0.2	0.225	0.033	0.0109	
480 minute summer	MH6	2.002	MH7	0.8	0.512	0.044	0.0122	
480 minute summer	MH7	Flow through Pond	MH10	0.6	0.007	0.000	6.4931	
480 minute summer	MH8	3.000	MH9	0.2	0.356	0.033	0.0064	
480 minute summer	MH9	Flow through Pond	MH10	0.6	0.007	0.000	6.4931	
480 minute summer	MH10	1.002	MH11	0.1	0.168	0.006	0.0114	
480 minute summer	MH11	1.003	MH12	0.1	0.442	0.010	0.0050	
480 minute summer	MH12	Weir		0.2				
480 minute summer	MH13	4.000	MH14	0.2	0.354	0.033	0.0079	
480 minute summer	MH14	4.001	MH15	0.2	0.357	0.033	0.0022	
480 minute summer	MH15	Flow through Pond	MH19	0.3	0.005	0.000	2.5443	
480 minute summer	MH16	5.000	MH17	0.3	0.449	0.046	0.0064	
480 minute summer	MH17	5.001	MH18	0.4	0.542	0.015	0.0041	
480 minute summer	MH18	Flow through Pond	MH19	0.3	0.005	0.000	2.5443	
480 minute summer	MH19	4.002	MH11	0.0	0.160	0.003	0.0016	
480 minute summer	MH20	6.000	MH21	0.3	0.369	0.047	0.0074	
480 minute summer	MH21	6.001	MH22	0.4	0.444	0.064	0.0085	
480 minute summer	MH22	Flow through Pond	MH26	0.5	0.013	0.000	2.5950	
480 minute summer	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
480 minute summer	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
480 minute summer	MH25	Flow through Pond	MH26	0.5	0.013	0.000	2.5950	
480 minute summer	MH26	6.002	MH12	0.1	0.415	0.004	0.0004	

Results for 1 year 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 97.46%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	MH1	176	29.700	0.009	0.1	0.0000	0.0000	OK
480 minute winter	MH2	216	29.603	0.012	0.2	0.0000	0.0000	OK
480 minute winter	MH3	464	29.120	0.106	0.2	0.0000	0.0000	OK
480 minute winter	MH4	8	29.691	0.000	0.0	0.0000	0.0000	OK
480 minute winter	MH5	200	29.630	0.009	0.1	0.0000	0.0000	OK
480 minute winter	MH6	216	29.518	0.017	0.5	0.0028	0.0000	OK
480 minute winter	MH7	464	29.120	0.106	0.5	0.0000	0.0000	OK
480 minute winter	MH8	184	29.700	0.009	0.1	0.0000	0.0000	OK
480 minute winter	MH9	464	29.120	0.106	0.1	0.0000	0.0000	OK
480 minute winter	MH10	464	29.120	0.129	0.4	0.0365	0.0000	OK
480 minute winter	MH11	376	28.862	0.012	0.1	0.0035	0.0000	OK
480 minute winter	MH12	368	28.762	0.002	0.2	0.0006	0.0000	OK
480 minute winter	MH13	184	29.609	0.009	0.1	0.0026	0.0000	OK
480 minute winter	MH14	176	29.469	0.009	0.1	0.0025	0.0000	OK
480 minute winter	MH15	376	29.180	0.045	0.1	0.0000	0.0000	OK
480 minute winter	MH16	208	29.613	0.013	0.2	0.0000	0.0000	OK
480 minute winter	MH17	208	29.499	0.009	0.2	0.0015	0.0000	OK
480 minute winter	MH18	376	29.180	0.045	0.2	0.0000	0.0000	OK
480 minute winter	MH19	376	29.180	0.060	0.2	0.0170	0.0000	OK
480 minute winter	MH20	224	29.612	0.012	0.2	0.0000	0.0000	OK
480 minute winter	MH21	224	29.515	0.015	0.3	0.0024	0.0000	OK
480 minute winter	MH22	360	29.175	0.047	0.3	0.0000	0.0000	OK
480 minute winter	MH23	224	29.609	0.009	0.1	0.0014	0.0000	OK
480 minute winter	MH24	224	29.481	0.011	0.2	0.0017	0.0000	OK
480 minute winter	MH25	360	29.175	0.047	0.2	0.0000	0.0000	OK
480 minute winter	MH26	360	29.175	0.075	0.5	0.0212	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	MH1	1.000	MH2	0.1	0.301	0.016	0.0041	5.8
480 minute winter	MH2	1.001	MH3	0.2	0.362	0.032	0.0063	
480 minute winter	MH3	Flow through Pond	MH10	0.4	0.006	0.000	6.3556	
480 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
480 minute winter	MH5	2.001	MH6	0.1	0.182	0.017	0.0075	
480 minute winter	MH6	2.002	MH7	0.5	0.445	0.028	0.0087	
480 minute winter	MH7	Flow through Pond	MH10	0.4	0.006	0.000	6.3556	
480 minute winter	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
480 minute winter	MH9	Flow through Pond	MH10	0.4	0.006	0.000	6.3556	
480 minute winter	MH10	1.002	MH11	0.1	0.167	0.006	0.0113	
480 minute winter	MH11	1.003	MH12	0.1	0.440	0.009	0.0049	
480 minute winter	MH12	Weir		0.2				
480 minute winter	MH13	4.000	MH14	0.1	0.295	0.017	0.0049	
480 minute winter	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
480 minute winter	MH15	Flow through Pond	MH19	0.2	0.005	0.000	2.4535	
480 minute winter	MH16	5.000	MH17	0.2	0.426	0.031	0.0045	
480 minute winter	MH17	5.001	MH18	0.2	0.437	0.008	0.0025	
480 minute winter	MH18	Flow through Pond	MH19	0.2	0.005	0.000	2.4535	
480 minute winter	MH19	4.002	MH11	0.0	0.159	0.003	0.0015	
480 minute winter	MH20	6.000	MH21	0.2	0.313	0.032	0.0059	
480 minute winter	MH21	6.001	MH22	0.3	0.408	0.048	0.0070	
480 minute winter	MH22	Flow through Pond	MH26	0.5	0.009	0.000	2.8418	
480 minute winter	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
480 minute winter	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
480 minute winter	MH25	Flow through Pond	MH26	0.5	0.009	0.000	2.8418	
480 minute winter	MH26	6.002	MH12	0.1	0.419	0.004	0.0004	

Results for 1 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 97.57%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	MH1	255	29.700	0.009	0.1	0.0000	0.0000	OK
600 minute summer	MH2	285	29.603	0.012	0.2	0.0000	0.0000	OK
600 minute summer	MH3	570	29.127	0.112	0.2	0.0000	0.0000	OK
600 minute summer	MH4	315	29.700	0.009	0.1	0.0000	0.0000	OK
600 minute summer	MH5	315	29.633	0.012	0.2	0.0000	0.0000	OK
600 minute summer	MH6	315	29.521	0.020	0.7	0.0032	0.0000	OK
600 minute summer	MH7	570	29.127	0.112	0.7	0.0000	0.0000	OK
600 minute summer	MH8	255	29.700	0.009	0.1	0.0000	0.0000	OK
600 minute summer	MH9	570	29.127	0.112	0.1	0.0000	0.0000	OK
600 minute summer	MH10	570	29.126	0.135	0.6	0.0382	0.0000	OK
600 minute summer	MH11	435	28.863	0.013	0.1	0.0035	0.0000	OK
600 minute summer	MH12	420	28.762	0.002	0.2	0.0006	0.0000	OK
600 minute summer	MH13	255	29.609	0.009	0.1	0.0026	0.0000	OK
600 minute summer	MH14	255	29.469	0.009	0.1	0.0025	0.0000	OK
600 minute summer	MH15	435	29.184	0.049	0.1	0.0000	0.0000	OK
600 minute summer	MH16	315	29.615	0.015	0.3	0.0000	0.0000	OK
600 minute summer	MH17	315	29.503	0.013	0.4	0.0021	0.0000	OK
600 minute summer	MH18	435	29.184	0.049	0.4	0.0000	0.0000	OK
600 minute summer	MH19	435	29.184	0.064	0.3	0.0181	0.0000	OK
600 minute summer	MH20	300	29.612	0.012	0.2	0.0000	0.0000	OK
600 minute summer	MH21	300	29.515	0.015	0.3	0.0024	0.0000	OK
600 minute summer	MH22	405	29.173	0.045	0.3	0.0000	0.0000	OK
600 minute summer	MH23	285	29.609	0.009	0.1	0.0014	0.0000	OK
600 minute summer	MH24	285	29.481	0.011	0.2	0.0017	0.0000	OK
600 minute summer	MH25	405	29.173	0.045	0.2	0.0000	0.0000	OK
600 minute summer	MH26	405	29.173	0.073	0.4	0.0205	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	MH1	1.000	MH2	0.1	0.295	0.016	0.0041	6.5
600 minute summer	MH2	1.001	MH3	0.2	0.362	0.032	0.0063	
600 minute summer	MH3	Flow through Pond	MH10	0.5	0.006	0.000	6.6940	
600 minute summer	MH4	2.000	MH5	0.1	0.223	0.016	0.0031	
600 minute summer	MH5	2.001	MH6	0.2	0.238	0.033	0.0102	
600 minute summer	MH6	2.002	MH7	0.7	0.492	0.039	0.0111	
600 minute summer	MH7	Flow through Pond	MH10	0.5	0.006	0.000	6.6940	
600 minute summer	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
600 minute summer	MH9	Flow through Pond	MH10	0.5	0.006	0.000	6.6940	
600 minute summer	MH10	1.002	MH11	0.1	0.169	0.006	0.0115	
600 minute summer	MH11	1.003	MH12	0.1	0.444	0.010	0.0050	
600 minute summer	MH12	Weir		0.2				
600 minute summer	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
600 minute summer	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
600 minute summer	MH15	Flow through Pond	MH19	0.3	0.004	0.000	2.6237	
600 minute summer	MH16	5.000	MH17	0.3	0.449	0.046	0.0064	
600 minute summer	MH17	5.001	MH18	0.4	0.542	0.015	0.0041	
600 minute summer	MH18	Flow through Pond	MH19	0.3	0.004	0.000	2.6237	
600 minute summer	MH19	4.002	MH11	0.1	0.161	0.003	0.0016	
600 minute summer	MH20	6.000	MH21	0.2	0.313	0.032	0.0059	
600 minute summer	MH21	6.001	MH22	0.3	0.408	0.048	0.0070	
600 minute summer	MH22	Flow through Pond	MH26	0.4	0.011	0.000	2.7244	
600 minute summer	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
600 minute summer	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
600 minute summer	MH25	Flow through Pond	MH26	0.4	0.011	0.000	2.7244	
600 minute summer	MH26	6.002	MH12	0.1	0.417	0.004	0.0004	

Results for 1 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 97.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	MH1	240	29.700	0.009	0.1	0.0000	0.0000	OK
600 minute winter	MH2	300	29.603	0.012	0.2	0.0000	0.0000	OK
600 minute winter	MH3	570	29.121	0.106	0.2	0.0000	0.0000	OK
600 minute winter	MH4	15	29.691	0.000	0.0	0.0000	0.0000	OK
600 minute winter	MH5	270	29.630	0.009	0.1	0.0000	0.0000	OK
600 minute winter	MH6	315	29.518	0.017	0.5	0.0028	0.0000	OK
600 minute winter	MH7	570	29.121	0.106	0.5	0.0000	0.0000	OK
600 minute winter	MH8	240	29.700	0.009	0.1	0.0000	0.0000	OK
600 minute winter	MH9	570	29.121	0.106	0.1	0.0000	0.0000	OK
600 minute winter	MH10	570	29.120	0.129	0.4	0.0366	0.0000	OK
600 minute winter	MH11	465	28.862	0.012	0.1	0.0035	0.0000	OK
600 minute winter	MH12	450	28.762	0.002	0.2	0.0006	0.0000	OK
600 minute winter	MH13	240	29.609	0.009	0.1	0.0026	0.0000	OK
600 minute winter	MH14	240	29.469	0.009	0.1	0.0025	0.0000	OK
600 minute winter	MH15	465	29.185	0.050	0.1	0.0000	0.0000	OK
600 minute winter	MH16	285	29.613	0.013	0.2	0.0000	0.0000	OK
600 minute winter	MH17	285	29.499	0.009	0.2	0.0015	0.0000	OK
600 minute winter	MH18	465	29.185	0.050	0.2	0.0000	0.0000	OK
600 minute winter	MH19	465	29.185	0.065	0.2	0.0183	0.0000	OK
600 minute winter	MH20	210	29.609	0.009	0.1	0.0000	0.0000	OK
600 minute winter	MH21	270	29.512	0.012	0.2	0.0020	0.0000	OK
600 minute winter	MH22	435	29.163	0.035	0.2	0.0000	0.0000	OK
600 minute winter	MH23	300	29.609	0.009	0.1	0.0014	0.0000	OK
600 minute winter	MH24	300	29.481	0.011	0.2	0.0017	0.0000	OK
600 minute winter	MH25	435	29.163	0.035	0.2	0.0000	0.0000	OK
600 minute winter	MH26	435	29.163	0.063	0.2	0.0179	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	MH1	1.000	MH2	0.1	0.295	0.016	0.0041	6.4
600 minute winter	MH2	1.001	MH3	0.2	0.362	0.032	0.0063	
600 minute winter	MH3	Flow through Pond	MH10	0.4	0.006	0.000	6.3835	
600 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
600 minute winter	MH5	2.001	MH6	0.1	0.182	0.017	0.0075	
600 minute winter	MH6	2.002	MH7	0.5	0.445	0.028	0.0087	
600 minute winter	MH7	Flow through Pond	MH10	0.4	0.006	0.000	6.3835	
600 minute winter	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
600 minute winter	MH9	Flow through Pond	MH10	0.4	0.006	0.000	6.3835	
600 minute winter	MH10	1.002	MH11	0.1	0.166	0.006	0.0114	
600 minute winter	MH11	1.003	MH12	0.1	0.443	0.010	0.0050	
600 minute winter	MH12	Weir		0.2				
600 minute winter	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
600 minute winter	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
600 minute winter	MH15	Flow through Pond	MH19	0.2	0.004	0.000	2.6659	
600 minute winter	MH16	5.000	MH17	0.2	0.426	0.031	0.0045	
600 minute winter	MH17	5.001	MH18	0.2	0.437	0.008	0.0025	
600 minute winter	MH18	Flow through Pond	MH19	0.2	0.004	0.000	2.6659	
600 minute winter	MH19	4.002	MH11	0.1	0.162	0.003	0.0016	
600 minute winter	MH20	6.000	MH21	0.1	0.296	0.016	0.0041	
600 minute winter	MH21	6.001	MH22	0.2	0.361	0.032	0.0052	
600 minute winter	MH22	Flow through Pond	MH26	0.2	0.007	0.000	2.2888	
600 minute winter	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
600 minute winter	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
600 minute winter	MH25	Flow through Pond	MH26	0.2	0.007	0.000	2.2888	
600 minute winter	MH26	6.002	MH12	0.1	0.409	0.004	0.0004	

Results for 1 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 97.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	MH1	315	29.700	0.009	0.1	0.0000	0.0000	OK
720 minute summer	MH2	360	29.603	0.012	0.2	0.0000	0.0000	OK
720 minute summer	MH3	615	29.117	0.103	0.2	0.0000	0.0000	OK
720 minute summer	MH4	15	29.691	0.000	0.0	0.0000	0.0000	OK
720 minute summer	MH5	330	29.630	0.009	0.1	0.0000	0.0000	OK
720 minute summer	MH6	375	29.520	0.019	0.6	0.0030	0.0000	OK
720 minute summer	MH7	615	29.117	0.103	0.6	0.0000	0.0000	OK
720 minute summer	MH8	315	29.700	0.009	0.1	0.0000	0.0000	OK
720 minute summer	MH9	615	29.117	0.103	0.1	0.0000	0.0000	OK
720 minute summer	MH10	615	29.117	0.126	0.5	0.0355	0.0000	OK
720 minute summer	MH11	495	28.862	0.012	0.1	0.0035	0.0000	OK
720 minute summer	MH12	480	28.762	0.002	0.2	0.0006	0.0000	OK
720 minute summer	MH13	315	29.609	0.009	0.1	0.0026	0.0000	OK
720 minute summer	MH14	315	29.469	0.009	0.1	0.0025	0.0000	OK
720 minute summer	MH15	495	29.177	0.042	0.1	0.0000	0.0000	OK
720 minute summer	MH16	345	29.613	0.013	0.2	0.0000	0.0000	OK
720 minute summer	MH17	345	29.499	0.009	0.2	0.0015	0.0000	OK
720 minute summer	MH18	495	29.177	0.042	0.2	0.0000	0.0000	OK
720 minute summer	MH19	495	29.177	0.057	0.2	0.0161	0.0000	OK
720 minute summer	MH20	360	29.612	0.012	0.2	0.0000	0.0000	OK
720 minute summer	MH21	360	29.515	0.015	0.3	0.0024	0.0000	OK
720 minute summer	MH22	480	29.168	0.040	0.3	0.0000	0.0000	OK
720 minute summer	MH23	360	29.609	0.009	0.1	0.0014	0.0000	OK
720 minute summer	MH24	360	29.481	0.011	0.2	0.0017	0.0000	OK
720 minute summer	MH25	480	29.168	0.040	0.2	0.0000	0.0000	OK
720 minute summer	MH26	480	29.168	0.068	0.5	0.0192	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	MH1	1.000	MH2	0.1	0.295	0.016	0.0041	6.7
720 minute summer	MH2	1.001	MH3	0.2	0.362	0.032	0.0063	
720 minute summer	MH3	Flow through Pond	MH10	0.5	0.006	0.000	6.1767	
720 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
720 minute summer	MH5	2.001	MH6	0.1	0.182	0.017	0.0082	
720 minute summer	MH6	2.002	MH7	0.6	0.470	0.033	0.0099	
720 minute summer	MH7	Flow through Pond	MH10	0.5	0.006	0.000	6.1767	
720 minute summer	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
720 minute summer	MH9	Flow through Pond	MH10	0.5	0.006	0.000	6.1767	
720 minute summer	MH10	1.002	MH11	0.1	0.167	0.006	0.0112	
720 minute summer	MH11	1.003	MH12	0.1	0.438	0.009	0.0049	
720 minute summer	MH12	Weir		0.2				
720 minute summer	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
720 minute summer	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
720 minute summer	MH15	Flow through Pond	MH19	0.2	0.004	0.000	2.3054	
720 minute summer	MH16	5.000	MH17	0.2	0.426	0.031	0.0045	
720 minute summer	MH17	5.001	MH18	0.2	0.437	0.008	0.0025	
720 minute summer	MH18	Flow through Pond	MH19	0.2	0.004	0.000	2.3054	
720 minute summer	MH19	4.002	MH11	0.0	0.156	0.003	0.0015	
720 minute summer	MH20	6.000	MH21	0.2	0.313	0.032	0.0059	
720 minute summer	MH21	6.001	MH22	0.3	0.408	0.048	0.0070	
720 minute summer	MH22	Flow through Pond	MH26	0.5	0.009	0.000	2.5075	
720 minute summer	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
720 minute summer	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
720 minute summer	MH25	Flow through Pond	MH26	0.5	0.009	0.000	2.5075	
720 minute summer	MH26	6.002	MH12	0.1	0.413	0.004	0.0004	

Results for 1 year 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 97.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	MH1	300	29.700	0.009	0.1	0.0000	0.0000	OK
720 minute winter	MH2	300	29.600	0.009	0.1	0.0000	0.0000	OK
720 minute winter	MH3	675	29.118	0.104	0.1	0.0000	0.0000	OK
720 minute winter	MH4	15	29.691	0.000	0.0	0.0000	0.0000	OK
720 minute winter	MH5	330	29.630	0.009	0.1	0.0000	0.0000	OK
720 minute winter	MH6	330	29.517	0.016	0.4	0.0025	0.0000	OK
720 minute winter	MH7	675	29.118	0.104	0.4	0.0000	0.0000	OK
720 minute winter	MH8	300	29.700	0.009	0.1	0.0000	0.0000	OK
720 minute winter	MH9	675	29.118	0.104	0.1	0.0000	0.0000	OK
720 minute winter	MH10	675	29.118	0.127	0.3	0.0359	0.0000	OK
720 minute winter	MH11	540	28.862	0.012	0.1	0.0035	0.0000	OK
720 minute winter	MH12	525	28.762	0.002	0.2	0.0006	0.0000	OK
720 minute winter	MH13	300	29.609	0.009	0.1	0.0026	0.0000	OK
720 minute winter	MH14	300	29.469	0.009	0.1	0.0025	0.0000	OK
720 minute winter	MH15	540	29.184	0.049	0.1	0.0000	0.0000	OK
720 minute winter	MH16	360	29.613	0.013	0.2	0.0000	0.0000	OK
720 minute winter	MH17	360	29.499	0.009	0.2	0.0015	0.0000	OK
720 minute winter	MH18	540	29.184	0.049	0.2	0.0000	0.0000	OK
720 minute winter	MH19	540	29.184	0.064	0.2	0.0180	0.0000	OK
720 minute winter	MH20	255	29.609	0.009	0.1	0.0000	0.0000	OK
720 minute winter	MH21	330	29.512	0.012	0.2	0.0020	0.0000	OK
720 minute winter	MH22	510	29.152	0.024	0.2	0.0000	0.0000	OK
720 minute winter	MH23	15	29.600	0.000	0.0	0.0000	0.0000	OK
720 minute winter	MH24	15	29.470	0.000	0.0	0.0000	0.0000	OK
720 minute winter	MH25	510	29.152	0.024	0.0	0.0000	0.0000	OK
720 minute winter	MH26	510	29.152	0.052	0.2	0.0147	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	MH1	1.000	MH2	0.1	0.295	0.016	0.0032	6.9
720 minute winter	MH2	1.001	MH3	0.1	0.294	0.016	0.0039	
720 minute winter	MH3	Flow through Pond	MH10	0.3	0.006	0.000	6.2446	
720 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
720 minute winter	MH5	2.001	MH6	0.1	0.182	0.017	0.0067	
720 minute winter	MH6	2.002	MH7	0.4	0.416	0.022	0.0075	
720 minute winter	MH7	Flow through Pond	MH10	0.3	0.006	0.000	6.2446	
720 minute winter	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
720 minute winter	MH9	Flow through Pond	MH10	0.3	0.006	0.000	6.2446	
720 minute winter	MH10	1.002	MH11	0.1	0.166	0.006	0.0113	
720 minute winter	MH11	1.003	MH12	0.1	0.443	0.009	0.0050	
720 minute winter	MH12	Weir		0.2				
720 minute winter	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
720 minute winter	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
720 minute winter	MH15	Flow through Pond	MH19	0.2	0.004	0.000	2.6090	
720 minute winter	MH16	5.000	MH17	0.2	0.426	0.031	0.0045	
720 minute winter	MH17	5.001	MH18	0.2	0.437	0.008	0.0025	
720 minute winter	MH18	Flow through Pond	MH19	0.2	0.004	0.000	2.6090	
720 minute winter	MH19	4.002	MH11	0.1	0.162	0.003	0.0016	
720 minute winter	MH20	6.000	MH21	0.1	0.296	0.016	0.0041	
720 minute winter	MH21	6.001	MH22	0.2	0.361	0.032	0.0052	
720 minute winter	MH22	Flow through Pond	MH26	0.2	0.007	0.000	1.7590	
720 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
720 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
720 minute winter	MH25	Flow through Pond	MH26	0.2	0.007	0.000	1.7590	
720 minute winter	MH26	6.002	MH12	0.0	0.397	0.003	0.0004	

Results for 1 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 98.22%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	MH1	435	29.700	0.009	0.1	0.0000	0.0000	OK
960 minute summer	MH2	480	29.603	0.012	0.2	0.0000	0.0000	OK
960 minute summer	MH3	750	29.115	0.101	0.2	0.0000	0.0000	OK
960 minute summer	MH4	15	29.691	0.000	0.0	0.0000	0.0000	OK
960 minute summer	MH5	450	29.630	0.009	0.1	0.0000	0.0000	OK
960 minute summer	MH6	495	29.518	0.017	0.5	0.0028	0.0000	OK
960 minute summer	MH7	750	29.115	0.101	0.5	0.0000	0.0000	OK
960 minute summer	MH8	435	29.700	0.009	0.1	0.0000	0.0000	OK
960 minute summer	MH9	750	29.115	0.101	0.1	0.0000	0.0000	OK
960 minute summer	MH10	750	29.115	0.124	0.4	0.0350	0.0000	OK
960 minute summer	MH11	630	28.862	0.012	0.1	0.0035	0.0000	OK
960 minute summer	MH12	615	28.762	0.002	0.2	0.0006	0.0000	OK
960 minute summer	MH13	435	29.609	0.009	0.1	0.0026	0.0000	OK
960 minute summer	MH14	435	29.469	0.009	0.1	0.0025	0.0000	OK
960 minute summer	MH15	630	29.176	0.041	0.1	0.0000	0.0000	OK
960 minute summer	MH16	480	29.613	0.013	0.2	0.0000	0.0000	OK
960 minute summer	MH17	480	29.499	0.009	0.2	0.0015	0.0000	OK
960 minute summer	MH18	630	29.176	0.041	0.2	0.0000	0.0000	OK
960 minute summer	MH19	630	29.176	0.056	0.2	0.0158	0.0000	OK
960 minute summer	MH20	495	29.612	0.012	0.2	0.0000	0.0000	OK
960 minute summer	MH21	495	29.515	0.015	0.3	0.0024	0.0000	OK
960 minute summer	MH22	615	29.167	0.039	0.3	0.0000	0.0000	OK
960 minute summer	MH23	480	29.609	0.009	0.1	0.0014	0.0000	OK
960 minute summer	MH24	480	29.481	0.011	0.2	0.0017	0.0000	OK
960 minute summer	MH25	615	29.167	0.039	0.2	0.0000	0.0000	OK
960 minute summer	MH26	615	29.167	0.067	0.3	0.0188	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	MH1	1.000	MH2	0.1	0.295	0.016	0.0041	7.8
960 minute summer	MH2	1.001	MH3	0.2	0.362	0.032	0.0063	
960 minute summer	MH3	Flow through Pond	MH10	0.4	0.006	0.000	6.0795	
960 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
960 minute summer	MH5	2.001	MH6	0.1	0.182	0.017	0.0075	
960 minute summer	MH6	2.002	MH7	0.5	0.445	0.028	0.0087	
960 minute summer	MH7	Flow through Pond	MH10	0.4	0.006	0.000	6.0795	
960 minute summer	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
960 minute summer	MH9	Flow through Pond	MH10	0.4	0.006	0.000	6.0795	
960 minute summer	MH10	1.002	MH11	0.1	0.167	0.006	0.0111	
960 minute summer	MH11	1.003	MH12	0.1	0.437	0.009	0.0048	
960 minute summer	MH12	Weir		0.2				
960 minute summer	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
960 minute summer	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
960 minute summer	MH15	Flow through Pond	MH19	0.2	0.004	0.000	2.2525	
960 minute summer	MH16	5.000	MH17	0.2	0.426	0.031	0.0045	
960 minute summer	MH17	5.001	MH18	0.2	0.437	0.008	0.0025	
960 minute summer	MH18	Flow through Pond	MH19	0.2	0.004	0.000	2.2525	
960 minute summer	MH19	4.002	MH11	0.0	0.155	0.003	0.0015	
960 minute summer	MH20	6.000	MH21	0.2	0.313	0.032	0.0059	
960 minute summer	MH21	6.001	MH22	0.3	0.408	0.048	0.0070	
960 minute summer	MH22	Flow through Pond	MH26	0.3	0.007	0.000	2.4487	
960 minute summer	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
960 minute summer	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
960 minute summer	MH25	Flow through Pond	MH26	0.3	0.007	0.000	2.4487	
960 minute summer	MH26	6.002	MH12	0.1	0.412	0.004	0.0004	

Results for 1 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 98.27%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	MH1	420	29.700	0.009	0.1	0.0000	0.0000	OK
960 minute winter	MH2	420	29.600	0.009	0.1	0.0000	0.0000	OK
960 minute winter	MH3	765	29.108	0.093	0.1	0.0000	0.0000	OK
960 minute winter	MH4	15	29.691	0.000	0.0	0.0000	0.0000	OK
960 minute winter	MH5	480	29.630	0.009	0.1	0.0000	0.0000	OK
960 minute winter	MH6	480	29.517	0.016	0.4	0.0025	0.0000	OK
960 minute winter	MH7	765	29.108	0.093	0.4	0.0000	0.0000	OK
960 minute winter	MH8	420	29.700	0.009	0.1	0.0000	0.0000	OK
960 minute winter	MH9	765	29.108	0.093	0.1	0.0000	0.0000	OK
960 minute winter	MH10	765	29.107	0.116	0.3	0.0329	0.0000	OK
960 minute winter	MH11	675	28.862	0.012	0.1	0.0035	0.0000	OK
960 minute winter	MH12	660	28.762	0.002	0.2	0.0006	0.0000	OK
960 minute winter	MH13	420	29.609	0.009	0.1	0.0026	0.0000	OK
960 minute winter	MH14	420	29.469	0.009	0.1	0.0025	0.0000	OK
960 minute winter	MH15	675	29.179	0.044	0.1	0.0000	0.0000	OK
960 minute winter	MH16	330	29.609	0.009	0.1	0.0000	0.0000	OK
960 minute winter	MH17	330	29.497	0.007	0.1	0.0011	0.0000	OK
960 minute winter	MH18	675	29.179	0.044	0.1	0.0000	0.0000	OK
960 minute winter	MH19	675	29.179	0.059	0.1	0.0167	0.0000	OK
960 minute winter	MH20	360	29.609	0.009	0.1	0.0000	0.0000	OK
960 minute winter	MH21	480	29.512	0.012	0.2	0.0020	0.0000	OK
960 minute winter	MH22	645	29.147	0.019	0.2	0.0000	0.0000	OK
960 minute winter	MH23	15	29.600	0.000	0.0	0.0000	0.0000	OK
960 minute winter	MH24	15	29.470	0.000	0.0	0.0000	0.0000	OK
960 minute winter	MH25	645	29.147	0.019	0.0	0.0000	0.0000	OK
960 minute winter	MH26	645	29.147	0.047	0.2	0.0134	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	MH1	1.000	MH2	0.1	0.295	0.016	0.0032	7.6
960 minute winter	MH2	1.001	MH3	0.1	0.294	0.016	0.0039	
960 minute winter	MH3	Flow through Pond	MH10	0.3	0.006	0.000	5.6770	
960 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
960 minute winter	MH5	2.001	MH6	0.1	0.182	0.017	0.0067	
960 minute winter	MH6	2.002	MH7	0.4	0.416	0.022	0.0075	
960 minute winter	MH7	Flow through Pond	MH10	0.3	0.006	0.000	5.6770	
960 minute winter	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
960 minute winter	MH9	Flow through Pond	MH10	0.3	0.006	0.000	5.6770	
960 minute winter	MH10	1.002	MH11	0.1	0.163	0.006	0.0110	
960 minute winter	MH11	1.003	MH12	0.1	0.438	0.009	0.0048	
960 minute winter	MH12	Weir		0.2				
960 minute winter	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
960 minute winter	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
960 minute winter	MH15	Flow through Pond	MH19	0.1	0.004	0.000	2.3985	
960 minute winter	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
960 minute winter	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
960 minute winter	MH18	Flow through Pond	MH19	0.1	0.004	0.000	2.3985	
960 minute winter	MH19	4.002	MH11	0.0	0.160	0.003	0.0015	
960 minute winter	MH20	6.000	MH21	0.1	0.296	0.016	0.0041	
960 minute winter	MH21	6.001	MH22	0.2	0.361	0.032	0.0052	
960 minute winter	MH22	Flow through Pond	MH26	0.2	0.007	0.000	1.5537	
960 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
960 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
960 minute winter	MH25	Flow through Pond	MH26	0.2	0.007	0.000	1.5537	
960 minute winter	MH26	6.002	MH12	0.0	0.392	0.003	0.0004	

Results for 1 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 98.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	MH1	720	29.700	0.009	0.1	0.0000	0.0000	OK
1440 minute summer	MH2	720	29.600	0.009	0.1	0.0000	0.0000	OK
1440 minute summer	MH3	1020	29.095	0.080	0.1	0.0000	0.0000	OK
1440 minute summer	MH4	30	29.691	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	MH5	750	29.630	0.009	0.1	0.0000	0.0000	OK
1440 minute summer	MH6	750	29.517	0.016	0.4	0.0025	0.0000	OK
1440 minute summer	MH7	1020	29.095	0.081	0.4	0.0000	0.0000	OK
1440 minute summer	MH8	720	29.700	0.009	0.1	0.0000	0.0000	OK
1440 minute summer	MH9	1020	29.095	0.080	0.1	0.0000	0.0000	OK
1440 minute summer	MH10	1020	29.094	0.103	0.3	0.0293	0.0000	OK
1440 minute summer	MH11	930	28.862	0.012	0.1	0.0034	0.0000	OK
1440 minute summer	MH12	900	28.762	0.002	0.2	0.0006	0.0000	OK
1440 minute summer	MH13	720	29.609	0.009	0.1	0.0026	0.0000	OK
1440 minute summer	MH14	720	29.469	0.009	0.1	0.0025	0.0000	OK
1440 minute summer	MH15	930	29.172	0.037	0.1	0.0000	0.0000	OK
1440 minute summer	MH16	600	29.609	0.009	0.1	0.0000	0.0000	OK
1440 minute summer	MH17	600	29.497	0.007	0.1	0.0011	0.0000	OK
1440 minute summer	MH18	930	29.172	0.037	0.1	0.0000	0.0000	OK
1440 minute summer	MH19	930	29.172	0.052	0.1	0.0147	0.0000	OK
1440 minute summer	MH20	630	29.609	0.009	0.1	0.0000	0.0000	OK
1440 minute summer	MH21	750	29.512	0.012	0.2	0.0020	0.0000	OK
1440 minute summer	MH22	900	29.147	0.019	0.2	0.0000	0.0000	OK
1440 minute summer	MH23	30	29.600	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	MH24	30	29.470	0.000	0.0	0.0000	0.0000	OK
1440 minute summer	MH25	900	29.147	0.019	0.0	0.0000	0.0000	OK
1440 minute summer	MH26	900	29.147	0.047	0.1	0.0133	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	MH1	1.000	MH2	0.1	0.295	0.016	0.0032	8.8
1440 minute summer	MH2	1.001	MH3	0.1	0.294	0.016	0.0039	
1440 minute summer	MH3	Flow through Pond	MH10	0.3	0.005	0.000	4.9811	
1440 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
1440 minute summer	MH5	2.001	MH6	0.1	0.182	0.017	0.0067	
1440 minute summer	MH6	2.002	MH7	0.4	0.416	0.022	0.0075	
1440 minute summer	MH7	Flow through Pond	MH10	0.3	0.005	0.000	4.9811	
1440 minute summer	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
1440 minute summer	MH9	Flow through Pond	MH10	0.3	0.005	0.000	4.9811	
1440 minute summer	MH10	1.002	MH11	0.1	0.161	0.005	0.0105	
1440 minute summer	MH11	1.003	MH12	0.1	0.431	0.008	0.0046	
1440 minute summer	MH12	Weir		0.2				
1440 minute summer	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
1440 minute summer	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
1440 minute summer	MH15	Flow through Pond	MH19	0.1	0.003	0.000	2.0761	
1440 minute summer	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
1440 minute summer	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
1440 minute summer	MH18	Flow through Pond	MH19	0.1	0.003	0.000	2.0761	
1440 minute summer	MH19	4.002	MH11	0.0	0.156	0.003	0.0014	
1440 minute summer	MH20	6.000	MH21	0.1	0.296	0.016	0.0041	
1440 minute summer	MH21	6.001	MH22	0.2	0.361	0.032	0.0052	
1440 minute summer	MH22	Flow through Pond	MH26	0.1	0.006	0.000	1.5363	
1440 minute summer	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
1440 minute summer	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
1440 minute summer	MH25	Flow through Pond	MH26	0.1	0.006	0.000	1.5363	
1440 minute summer	MH26	6.002	MH12	0.0	0.391	0.003	0.0004	

Results for 1 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 99.33%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	MH1	30	29.691	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	MH2	30	29.591	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	MH3	1080	29.067	0.053	0.0	0.0000	0.0000	OK
1440 minute winter	MH4	30	29.691	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	MH5	30	29.621	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	MH6	660	29.512	0.011	0.2	0.0018	0.0000	OK
1440 minute winter	MH7	1080	29.067	0.053	0.2	0.0000	0.0000	OK
1440 minute winter	MH8	30	29.691	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	MH9	1080	29.067	0.053	0.0	0.0000	0.0000	OK
1440 minute winter	MH10	1080	29.067	0.076	0.1	0.0215	0.0000	OK
1440 minute winter	MH11	960	28.861	0.011	0.1	0.0031	0.0000	OK
1440 minute winter	MH12	960	28.762	0.002	0.1	0.0005	0.0000	OK
1440 minute winter	MH13	30	29.600	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	MH14	30	29.460	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	MH15	960	29.164	0.029	0.0	0.0000	0.0000	OK
1440 minute winter	MH16	570	29.609	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	MH17	570	29.497	0.007	0.1	0.0011	0.0000	OK
1440 minute winter	MH18	960	29.164	0.029	0.1	0.0000	0.0000	OK
1440 minute winter	MH19	960	29.164	0.044	0.1	0.0123	0.0000	OK
1440 minute winter	MH20	600	29.609	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	MH21	600	29.509	0.009	0.1	0.0014	0.0000	OK
1440 minute winter	MH22	930	29.145	0.017	0.1	0.0000	0.0000	OK
1440 minute winter	MH23	30	29.600	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	MH24	30	29.470	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	MH25	930	29.145	0.017	0.0	0.0000	0.0000	OK
1440 minute winter	MH26	930	29.145	0.045	0.1	0.0127	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	8.1
1440 minute winter	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
1440 minute winter	MH3	Flow through Pond	MH10	0.1	0.005	0.000	3.4923	
1440 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
1440 minute winter	MH5	2.001	MH6	0.0	0.000	0.000	0.0029	
1440 minute winter	MH6	2.002	MH7	0.2	0.337	0.011	0.0046	
1440 minute winter	MH7	Flow through Pond	MH10	0.1	0.005	0.000	3.4923	
1440 minute winter	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
1440 minute winter	MH9	Flow through Pond	MH10	0.1	0.005	0.000	3.4923	
1440 minute winter	MH10	1.002	MH11	0.1	0.150	0.005	0.0094	
1440 minute winter	MH11	1.003	MH12	0.1	0.414	0.007	0.0042	
1440 minute winter	MH12	Weir		0.1				
1440 minute winter	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
1440 minute winter	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
1440 minute winter	MH15	Flow through Pond	MH19	0.1	0.003	0.000	1.6811	
1440 minute winter	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
1440 minute winter	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
1440 minute winter	MH18	Flow through Pond	MH19	0.1	0.003	0.000	1.6811	
1440 minute winter	MH19	4.002	MH11	0.0	0.155	0.003	0.0013	
1440 minute winter	MH20	6.000	MH21	0.1	0.296	0.016	0.0031	
1440 minute winter	MH21	6.001	MH22	0.1	0.294	0.016	0.0032	
1440 minute winter	MH22	Flow through Pond	MH26	0.1	0.006	0.000	1.4326	
1440 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
1440 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
1440 minute winter	MH25	Flow through Pond	MH26	0.1	0.006	0.000	1.4326	
1440 minute winter	MH26	6.002	MH12	0.0	0.388	0.003	0.0004	

Results for 1 year 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.51%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	MH1	1140	29.700	0.009	0.1	0.0000	0.0000	OK
2160 minute summer	MH2	1140	29.600	0.009	0.1	0.0000	0.0000	OK
2160 minute summer	MH3	1440	29.088	0.074	0.1	0.0000	0.0000	OK
2160 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	MH6	1080	29.512	0.011	0.2	0.0018	0.0000	OK
2160 minute summer	MH7	1440	29.088	0.074	0.2	0.0000	0.0000	OK
2160 minute summer	MH8	1140	29.700	0.009	0.1	0.0000	0.0000	OK
2160 minute summer	MH9	1440	29.088	0.074	0.1	0.0000	0.0000	OK
2160 minute summer	MH10	1440	29.088	0.097	0.2	0.0274	0.0000	OK
2160 minute summer	MH11	1320	28.862	0.012	0.1	0.0033	0.0000	OK
2160 minute summer	MH12	1320	28.762	0.002	0.2	0.0006	0.0000	OK
2160 minute summer	MH13	1140	29.609	0.009	0.1	0.0026	0.0000	OK
2160 minute summer	MH14	1140	29.469	0.009	0.1	0.0025	0.0000	OK
2160 minute summer	MH15	1320	29.172	0.036	0.1	0.0000	0.0000	OK
2160 minute summer	MH16	1020	29.609	0.009	0.1	0.0000	0.0000	OK
2160 minute summer	MH17	1020	29.497	0.007	0.1	0.0011	0.0000	OK
2160 minute summer	MH18	1320	29.172	0.036	0.1	0.0000	0.0000	OK
2160 minute summer	MH19	1320	29.171	0.051	0.1	0.0145	0.0000	OK
2160 minute summer	MH20	1020	29.609	0.009	0.1	0.0000	0.0000	OK
2160 minute summer	MH21	1020	29.509	0.009	0.1	0.0014	0.0000	OK
2160 minute summer	MH22	1320	29.144	0.016	0.1	0.0000	0.0000	OK
2160 minute summer	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	MH25	1320	29.144	0.016	0.0	0.0000	0.0000	OK
2160 minute summer	MH26	1320	29.144	0.044	0.1	0.0125	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	MH1	1.000	MH2	0.1	0.295	0.016	0.0032	10.4
2160 minute summer	MH2	1.001	MH3	0.1	0.294	0.016	0.0039	
2160 minute summer	MH3	Flow through Pond	MH10	0.2	0.003	0.000	4.6167	
2160 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
2160 minute summer	MH5	2.001	MH6	0.0	0.000	0.000	0.0029	
2160 minute summer	MH6	2.002	MH7	0.2	0.337	0.011	0.0046	
2160 minute summer	MH7	Flow through Pond	MH10	0.2	0.003	0.000	4.6167	
2160 minute summer	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
2160 minute summer	MH9	Flow through Pond	MH10	0.2	0.003	0.000	4.6167	
2160 minute summer	MH10	1.002	MH11	0.1	0.158	0.005	0.0103	
2160 minute summer	MH11	1.003	MH12	0.1	0.428	0.008	0.0045	
2160 minute summer	MH12	Weir		0.2				
2160 minute summer	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
2160 minute summer	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
2160 minute summer	MH15	Flow through Pond	MH19	0.1	0.005	0.000	2.0380	
2160 minute summer	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
2160 minute summer	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
2160 minute summer	MH18	Flow through Pond	MH19	0.1	0.005	0.000	2.0380	
2160 minute summer	MH19	4.002	MH11	0.0	0.157	0.003	0.0014	
2160 minute summer	MH20	6.000	MH21	0.1	0.296	0.016	0.0031	
2160 minute summer	MH21	6.001	MH22	0.1	0.294	0.016	0.0032	
2160 minute summer	MH22	Flow through Pond	MH26	0.1	0.009	0.000	1.3979	
2160 minute summer	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
2160 minute summer	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
2160 minute summer	MH25	Flow through Pond	MH26	0.1	0.009	0.000	1.3979	
2160 minute summer	MH26	6.002	MH12	0.0	0.387	0.003	0.0004	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	MH3	1500	29.052	0.037	0.0	0.0000	0.0000	OK
2160 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	MH6	780	29.509	0.008	0.1	0.0013	0.0000	OK
2160 minute winter	MH7	1500	29.052	0.037	0.1	0.0000	0.0000	OK
2160 minute winter	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	MH9	1500	29.052	0.037	0.0	0.0000	0.0000	OK
2160 minute winter	MH10	1500	29.051	0.060	0.1	0.0170	0.0000	OK
2160 minute winter	MH11	1500	28.861	0.011	0.1	0.0030	0.0000	OK
2160 minute winter	MH12	1380	28.762	0.002	0.1	0.0005	0.0000	OK
2160 minute winter	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	MH15	1380	29.167	0.032	0.0	0.0000	0.0000	OK
2160 minute winter	MH16	960	29.609	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH17	960	29.497	0.007	0.1	0.0011	0.0000	OK
2160 minute winter	MH18	1380	29.167	0.032	0.1	0.0000	0.0000	OK
2160 minute winter	MH19	1380	29.167	0.047	0.1	0.0133	0.0000	OK
2160 minute winter	MH20	1080	29.609	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH21	1080	29.509	0.009	0.1	0.0014	0.0000	OK
2160 minute winter	MH22	1200	29.136	0.008	0.1	0.0000	0.0000	OK
2160 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	MH25	1260	29.135	0.007	0.0	0.0000	0.0000	OK
2160 minute winter	MH26	1260	29.135	0.035	0.1	0.0100	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	8.6
2160 minute winter	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
2160 minute winter	MH3	Flow through Pond	MH10	0.1	0.003	0.000	2.6355	
2160 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
2160 minute winter	MH5	2.001	MH6	0.0	0.000	0.000	0.0018	
2160 minute winter	MH6	2.002	MH7	0.1	0.273	0.006	0.0029	
2160 minute winter	MH7	Flow through Pond	MH10	0.1	0.003	0.000	2.6355	
2160 minute winter	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
2160 minute winter	MH9	Flow through Pond	MH10	0.1	0.003	0.000	2.6355	
2160 minute winter	MH10	1.002	MH11	0.1	0.146	0.004	0.0089	
2160 minute winter	MH11	1.003	MH12	0.1	0.408	0.007	0.0040	
2160 minute winter	MH12	Weir		0.1				
2160 minute winter	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
2160 minute winter	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
2160 minute winter	MH15	Flow through Pond	MH19	0.1	0.005	0.000	1.8407	
2160 minute winter	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
2160 minute winter	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
2160 minute winter	MH18	Flow through Pond	MH19	0.1	0.005	0.000	1.8407	
2160 minute winter	MH19	4.002	MH11	0.0	0.166	0.003	0.0013	
2160 minute winter	MH20	6.000	MH21	0.1	0.296	0.016	0.0031	
2160 minute winter	MH21	6.001	MH22	0.1	0.294	0.016	0.0032	
2160 minute winter	MH22	Flow through Pond	MH26	0.1	0.009	0.000	0.9912	
2160 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
2160 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
2160 minute winter	MH25	Flow through Pond	MH26	0.1	0.009	0.000	0.9912	
2160 minute winter	MH26	6.002	MH12	0.0	0.373	0.003	0.0003	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	MH3	1860	29.062	0.047	0.0	0.0000	0.0000	OK
2880 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	MH6	1500	29.512	0.011	0.2	0.0018	0.0000	OK
2880 minute summer	MH7	1860	29.062	0.047	0.2	0.0000	0.0000	OK
2880 minute summer	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	MH9	1860	29.062	0.047	0.0	0.0000	0.0000	OK
2880 minute summer	MH10	1860	29.061	0.070	0.1	0.0199	0.0000	OK
2880 minute summer	MH11	1740	28.861	0.011	0.1	0.0031	0.0000	OK
2880 minute summer	MH12	1740	28.762	0.002	0.1	0.0005	0.0000	OK
2880 minute summer	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	MH15	1740	29.167	0.032	0.0	0.0000	0.0000	OK
2880 minute summer	MH16	1320	29.609	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	MH17	1320	29.497	0.007	0.1	0.0011	0.0000	OK
2880 minute summer	MH18	1740	29.167	0.032	0.1	0.0000	0.0000	OK
2880 minute summer	MH19	1740	29.167	0.047	0.1	0.0133	0.0000	OK
2880 minute summer	MH20	1440	29.609	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	MH21	1440	29.509	0.009	0.1	0.0014	0.0000	OK
2880 minute summer	MH22	1560	29.136	0.008	0.1	0.0000	0.0000	OK
2880 minute summer	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	MH25	1620	29.135	0.007	0.0	0.0000	0.0000	OK
2880 minute summer	MH26	1620	29.135	0.035	0.1	0.0100	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	9.7
2880 minute summer	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
2880 minute summer	MH3	Flow through Pond	MH10	0.1	0.003	0.000	3.1771	
2880 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
2880 minute summer	MH5	2.001	MH6	0.0	0.000	0.000	0.0029	
2880 minute summer	MH6	2.002	MH7	0.2	0.337	0.011	0.0046	
2880 minute summer	MH7	Flow through Pond	MH10	0.1	0.003	0.000	3.1771	
2880 minute summer	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
2880 minute summer	MH9	Flow through Pond	MH10	0.1	0.003	0.000	3.1771	
2880 minute summer	MH10	1.002	MH11	0.1	0.146	0.004	0.0093	
2880 minute summer	MH11	1.003	MH12	0.1	0.415	0.007	0.0041	
2880 minute summer	MH12	Weir		0.1				
2880 minute summer	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
2880 minute summer	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
2880 minute summer	MH15	Flow through Pond	MH19	0.1	0.005	0.000	1.8407	
2880 minute summer	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
2880 minute summer	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
2880 minute summer	MH18	Flow through Pond	MH19	0.1	0.005	0.000	1.8407	
2880 minute summer	MH19	4.002	MH11	0.0	0.161	0.003	0.0013	
2880 minute summer	MH20	6.000	MH21	0.1	0.296	0.016	0.0031	
2880 minute summer	MH21	6.001	MH22	0.1	0.294	0.016	0.0032	
2880 minute summer	MH22	Flow through Pond	MH26	0.1	0.009	0.000	0.9912	
2880 minute summer	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
2880 minute summer	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
2880 minute summer	MH25	Flow through Pond	MH26	0.1	0.009	0.000	0.9912	
2880 minute summer	MH26	6.002	MH12	0.0	0.373	0.003	0.0003	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	MH3	1980	29.061	0.047	0.0	0.0000	0.0000	OK
2880 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	MH6	1020	29.509	0.008	0.1	0.0013	0.0000	OK
2880 minute winter	MH7	1980	29.061	0.047	0.1	0.0000	0.0000	OK
2880 minute winter	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	MH9	1980	29.061	0.047	0.0	0.0000	0.0000	OK
2880 minute winter	MH10	1980	29.061	0.070	0.1	0.0198	0.0000	OK
2880 minute winter	MH11	1680	28.861	0.011	0.1	0.0030	0.0000	OK
2880 minute winter	MH12	1680	28.761	0.001	0.1	0.0004	0.0000	OK
2880 minute winter	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	MH15	1680	29.159	0.024	0.0	0.0000	0.0000	OK
2880 minute winter	MH16	1380	29.609	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH17	1380	29.497	0.007	0.1	0.0011	0.0000	OK
2880 minute winter	MH18	1680	29.159	0.024	0.1	0.0000	0.0000	OK
2880 minute winter	MH19	1680	29.159	0.039	0.1	0.0109	0.0000	OK
2880 minute winter	MH20	60	29.600	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	MH21	60	29.500	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	MH22	60	29.128	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	MH25	60	29.128	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	MH26	60	29.100	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)	Discharge Vol (m³)
2880 minute winter	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	8.2
2880 minute winter	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
2880 minute winter	MH3	Flow through Pond	MH10	0.1	0.003	0.000	3.1670	
2880 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
2880 minute winter	MH5	2.001	MH6	0.0	0.000	0.000	0.0018	
2880 minute winter	MH6	2.002	MH7	0.1	0.273	0.006	0.0029	
2880 minute winter	MH7	Flow through Pond	MH10	0.1	0.003	0.000	3.1670	
2880 minute winter	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
2880 minute winter	MH9	Flow through Pond	MH10	0.1	0.003	0.000	3.1670	
2880 minute winter	MH10	1.002	MH11	0.1	0.156	0.004	0.0090	
2880 minute winter	MH11	1.003	MH12	0.1	0.412	0.007	0.0039	
2880 minute winter	MH12	Weir		0.1				
2880 minute winter	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
2880 minute winter	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
2880 minute winter	MH15	Flow through Pond	MH19	0.1	0.005	0.000	1.4454	
2880 minute winter	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
2880 minute winter	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
2880 minute winter	MH18	Flow through Pond	MH19	0.1	0.005	0.000	1.4454	
2880 minute winter	MH19	4.002	MH11	0.0	0.151	0.003	0.0013	
2880 minute winter	MH20	6.000	MH21	0.0	0.000	0.000	0.0000	
2880 minute winter	MH21	6.001	MH22	0.0	0.000	0.000	0.0000	
2880 minute winter	MH22	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
2880 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
2880 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
2880 minute winter	MH25	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
2880 minute winter	MH26	6.002	MH12	0.0	0.000	0.000	0.0000	

Results for 1 year 4320 minute summer. 4560 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	MH3	2640	29.057	0.042	0.0	0.0000	0.0000	OK
4320 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	MH6	1800	29.509	0.008	0.1	0.0013	0.0000	OK
4320 minute summer	MH7	2640	29.057	0.042	0.1	0.0000	0.0000	OK
4320 minute summer	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	MH9	2640	29.057	0.042	0.0	0.0000	0.0000	OK
4320 minute summer	MH10	2640	29.056	0.065	0.1	0.0185	0.0000	OK
4320 minute summer	MH11	2460	28.861	0.011	0.1	0.0030	0.0000	OK
4320 minute summer	MH12	2400	28.762	0.002	0.1	0.0005	0.0000	OK
4320 minute summer	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	MH15	2400	29.159	0.024	0.0	0.0000	0.0000	OK
4320 minute summer	MH16	2100	29.609	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH17	2100	29.497	0.007	0.1	0.0011	0.0000	OK
4320 minute summer	MH18	2400	29.159	0.024	0.1	0.0000	0.0000	OK
4320 minute summer	MH19	2400	29.159	0.039	0.1	0.0109	0.0000	OK
4320 minute summer	MH20	2160	29.609	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH21	2160	29.509	0.009	0.1	0.0014	0.0000	OK
4320 minute summer	MH22	2280	29.136	0.008	0.1	0.0000	0.0000	OK
4320 minute summer	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	MH25	2340	29.135	0.007	0.0	0.0000	0.0000	OK
4320 minute summer	MH26	2340	29.135	0.035	0.1	0.0100	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	9.2
4320 minute summer	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
4320 minute summer	MH3	Flow through Pond	MH10	0.1	0.003	0.000	2.9099	
4320 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
4320 minute summer	MH5	2.001	MH6	0.0	0.000	0.000	0.0018	
4320 minute summer	MH6	2.002	MH7	0.1	0.273	0.006	0.0029	
4320 minute summer	MH7	Flow through Pond	MH10	0.1	0.003	0.000	2.9099	
4320 minute summer	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
4320 minute summer	MH9	Flow through Pond	MH10	0.1	0.003	0.000	2.9099	
4320 minute summer	MH10	1.002	MH11	0.1	0.154	0.004	0.0088	
4320 minute summer	MH11	1.003	MH12	0.1	0.402	0.006	0.0038	
4320 minute summer	MH12	Weir		0.1				
4320 minute summer	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
4320 minute summer	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
4320 minute summer	MH15	Flow through Pond	MH19	0.1	0.005	0.000	1.4454	
4320 minute summer	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
4320 minute summer	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
4320 minute summer	MH18	Flow through Pond	MH19	0.1	0.005	0.000	1.4454	
4320 minute summer	MH19	4.002	MH11	0.0	0.155	0.003	0.0012	
4320 minute summer	MH20	6.000	MH21	0.1	0.296	0.016	0.0031	
4320 minute summer	MH21	6.001	MH22	0.1	0.294	0.016	0.0032	
4320 minute summer	MH22	Flow through Pond	MH26	0.1	0.009	0.000	0.9912	
4320 minute summer	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
4320 minute summer	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
4320 minute summer	MH25	Flow through Pond	MH26	0.1	0.009	0.000	0.9912	
4320 minute summer	MH26	6.002	MH12	0.0	0.373	0.003	0.0003	

Results for 1 year 4320 minute winter. 4560 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH3	2820	29.070	0.056	0.0	0.0000	0.0000	OK
4320 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH6	1620	29.509	0.008	0.1	0.0013	0.0000	OK
4320 minute winter	MH7	2820	29.070	0.056	0.1	0.0000	0.0000	OK
4320 minute winter	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH9	2820	29.070	0.056	0.0	0.0000	0.0000	OK
4320 minute winter	MH10	2820	29.070	0.079	0.1	0.0223	0.0000	OK
4320 minute winter	MH11	2820	28.859	0.009	0.1	0.0026	0.0000	OK
4320 minute winter	MH12	2820	28.761	0.001	0.1	0.0003	0.0000	OK
4320 minute winter	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH15	60	29.135	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH16	60	29.600	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH17	60	29.490	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH18	60	29.135	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH19	60	29.120	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH20	60	29.600	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH21	60	29.500	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH22	60	29.128	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH25	60	29.128	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH26	60	29.100	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)	Discharge Vol (m³)
4320 minute winter	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	7.8
4320 minute winter	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
4320 minute winter	MH3	Flow through Pond	MH10	0.1	0.003	0.000	3.6370	
4320 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
4320 minute winter	MH5	2.001	MH6	0.0	0.000	0.000	0.0018	
4320 minute winter	MH6	2.002	MH7	0.1	0.273	0.006	0.0029	
4320 minute winter	MH7	Flow through Pond	MH10	0.1	0.003	0.000	3.6370	
4320 minute winter	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
4320 minute winter	MH9	Flow through Pond	MH10	0.1	0.003	0.000	3.6370	
4320 minute winter	MH10	1.002	MH11	0.1	0.177	0.005	0.0080	
4320 minute winter	MH11	1.003	MH12	0.1	0.375	0.005	0.0031	
4320 minute winter	MH12	Weir		0.1				
4320 minute winter	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
4320 minute winter	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
4320 minute winter	MH15	Flow through Pond	MH19	0.0	0.000	0.000	0.0014	
4320 minute winter	MH16	5.000	MH17	0.0	0.000	0.000	0.0000	
4320 minute winter	MH17	5.001	MH18	0.0	0.000	0.000	0.0000	
4320 minute winter	MH18	Flow through Pond	MH19	0.0	0.000	0.000	0.0014	
4320 minute winter	MH19	4.002	MH11	0.0	0.000	0.000	0.0008	
4320 minute winter	MH20	6.000	MH21	0.0	0.000	0.000	0.0000	
4320 minute winter	MH21	6.001	MH22	0.0	0.000	0.000	0.0000	
4320 minute winter	MH22	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
4320 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
4320 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
4320 minute winter	MH25	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
4320 minute winter	MH26	6.002	MH12	0.0	0.000	0.000	0.0000	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	MH3	3480	29.066	0.051	0.0	0.0000	0.0000	OK
5760 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	MH6	2400	29.509	0.008	0.1	0.0013	0.0000	OK
5760 minute summer	MH7	3480	29.066	0.052	0.1	0.0000	0.0000	OK
5760 minute summer	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	MH9	3480	29.066	0.051	0.0	0.0000	0.0000	OK
5760 minute summer	MH10	3480	29.065	0.074	0.1	0.0211	0.0000	OK
5760 minute summer	MH11	3120	28.861	0.011	0.1	0.0031	0.0000	OK
5760 minute summer	MH12	3120	28.761	0.001	0.1	0.0004	0.0000	OK
5760 minute summer	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	MH15	3120	29.159	0.024	0.0	0.0000	0.0000	OK
5760 minute summer	MH16	2820	29.609	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH17	2820	29.497	0.007	0.1	0.0011	0.0000	OK
5760 minute summer	MH18	3120	29.159	0.024	0.1	0.0000	0.0000	OK
5760 minute summer	MH19	3120	29.159	0.039	0.1	0.0109	0.0000	OK
5760 minute summer	MH20	60	29.600	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	MH21	60	29.500	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	MH22	60	29.128	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	MH25	60	29.128	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	MH26	60	29.100	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)	Discharge Vol (m³)
5760 minute summer	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	9.3
5760 minute summer	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
5760 minute summer	MH3	Flow through Pond	MH10	0.1	0.003	0.000	3.4090	
5760 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
5760 minute summer	MH5	2.001	MH6	0.0	0.000	0.000	0.0018	
5760 minute summer	MH6	2.002	MH7	0.1	0.273	0.006	0.0029	
5760 minute summer	MH7	Flow through Pond	MH10	0.1	0.003	0.000	3.4090	
5760 minute summer	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
5760 minute summer	MH9	Flow through Pond	MH10	0.1	0.003	0.000	3.4090	
5760 minute summer	MH10	1.002	MH11	0.1	0.158	0.005	0.0091	
5760 minute summer	MH11	1.003	MH12	0.1	0.414	0.007	0.0039	
5760 minute summer	MH12	Weir		0.1				
5760 minute summer	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
5760 minute summer	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
5760 minute summer	MH15	Flow through Pond	MH19	0.1	0.005	0.000	1.4454	
5760 minute summer	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
5760 minute summer	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
5760 minute summer	MH18	Flow through Pond	MH19	0.1	0.005	0.000	1.4454	
5760 minute summer	MH19	4.002	MH11	0.0	0.150	0.003	0.0013	
5760 minute summer	MH20	6.000	MH21	0.0	0.000	0.000	0.0000	
5760 minute summer	MH21	6.001	MH22	0.0	0.000	0.000	0.0000	
5760 minute summer	MH22	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
5760 minute summer	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
5760 minute summer	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
5760 minute summer	MH25	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
5760 minute summer	MH26	6.002	MH12	0.0	0.000	0.000	0.0000	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH3	3600	29.074	0.060	0.0	0.0000	0.0000	OK
5760 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH6	2280	29.509	0.008	0.1	0.0013	0.0000	OK
5760 minute winter	MH7	3600	29.074	0.060	0.1	0.0000	0.0000	OK
5760 minute winter	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH9	3600	29.074	0.060	0.0	0.0000	0.0000	OK
5760 minute winter	MH10	3600	29.074	0.083	0.1	0.0234	0.0000	OK
5760 minute winter	MH11	3600	28.859	0.009	0.1	0.0026	0.0000	OK
5760 minute winter	MH12	3600	28.761	0.001	0.1	0.0003	0.0000	OK
5760 minute winter	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH15	60	29.135	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH16	60	29.600	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH17	60	29.490	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH18	60	29.135	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH19	60	29.120	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH20	60	29.600	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH21	60	29.500	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH22	60	29.128	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH25	60	29.128	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH26	60	29.100	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)	Discharge Vol (m³)
5760 minute winter	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	8.6
5760 minute winter	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
5760 minute winter	MH3	Flow through Pond	MH10	0.1	0.003	0.000	3.8521	
5760 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
5760 minute winter	MH5	2.001	MH6	0.0	0.000	0.000	0.0018	
5760 minute winter	MH6	2.002	MH7	0.1	0.273	0.006	0.0029	
5760 minute winter	MH7	Flow through Pond	MH10	0.1	0.003	0.000	3.8521	
5760 minute winter	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
5760 minute winter	MH9	Flow through Pond	MH10	0.1	0.003	0.000	3.8521	
5760 minute winter	MH10	1.002	MH11	0.1	0.179	0.005	0.0082	
5760 minute winter	MH11	1.003	MH12	0.1	0.378	0.005	0.0031	
5760 minute winter	MH12	Weir		0.1				
5760 minute winter	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
5760 minute winter	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
5760 minute winter	MH15	Flow through Pond	MH19	0.0	0.000	0.000	0.0014	
5760 minute winter	MH16	5.000	MH17	0.0	0.000	0.000	0.0000	
5760 minute winter	MH17	5.001	MH18	0.0	0.000	0.000	0.0000	
5760 minute winter	MH18	Flow through Pond	MH19	0.0	0.000	0.000	0.0014	
5760 minute winter	MH19	4.002	MH11	0.0	0.000	0.000	0.0008	
5760 minute winter	MH20	6.000	MH21	0.0	0.000	0.000	0.0000	
5760 minute winter	MH21	6.001	MH22	0.0	0.000	0.000	0.0000	
5760 minute winter	MH22	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
5760 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
5760 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
5760 minute winter	MH25	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
5760 minute winter	MH26	6.002	MH12	0.0	0.000	0.000	0.0000	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	MH3	4260	29.070	0.056	0.0	0.0000	0.0000	OK
7200 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	MH6	3060	29.509	0.008	0.1	0.0013	0.0000	OK
7200 minute summer	MH7	4260	29.070	0.056	0.1	0.0000	0.0000	OK
7200 minute summer	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	MH9	4260	29.070	0.056	0.0	0.0000	0.0000	OK
7200 minute summer	MH10	4260	29.070	0.079	0.1	0.0223	0.0000	OK
7200 minute summer	MH11	3780	28.861	0.011	0.1	0.0030	0.0000	OK
7200 minute summer	MH12	3780	28.761	0.001	0.1	0.0004	0.0000	OK
7200 minute summer	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	MH15	3780	29.150	0.014	0.0	0.0000	0.0000	OK
7200 minute summer	MH16	3600	29.609	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH17	3600	29.497	0.007	0.1	0.0011	0.0000	OK
7200 minute summer	MH18	3780	29.150	0.014	0.1	0.0000	0.0000	OK
7200 minute summer	MH19	3780	29.149	0.029	0.1	0.0083	0.0000	OK
7200 minute summer	MH20	60	29.600	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	MH21	60	29.500	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	MH22	60	29.128	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	MH25	60	29.128	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	MH26	60	29.100	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)	Discharge Vol (m³)
7200 minute summer	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	9.3
7200 minute summer	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
7200 minute summer	MH3	Flow through Pond	MH10	0.1	0.003	0.000	3.6370	
7200 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
7200 minute summer	MH5	2.001	MH6	0.0	0.000	0.000	0.0018	
7200 minute summer	MH6	2.002	MH7	0.1	0.273	0.006	0.0029	
7200 minute summer	MH7	Flow through Pond	MH10	0.1	0.003	0.000	3.6370	
7200 minute summer	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
7200 minute summer	MH9	Flow through Pond	MH10	0.1	0.003	0.000	3.6370	
7200 minute summer	MH10	1.002	MH11	0.1	0.165	0.005	0.0089	
7200 minute summer	MH11	1.003	MH12	0.1	0.407	0.006	0.0038	
7200 minute summer	MH12	Weir		0.1				
7200 minute summer	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
7200 minute summer	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
7200 minute summer	MH15	Flow through Pond	MH19	0.1	0.005	0.000	1.0172	
7200 minute summer	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
7200 minute summer	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
7200 minute summer	MH18	Flow through Pond	MH19	0.1	0.005	0.000	1.0172	
7200 minute summer	MH19	4.002	MH11	0.0	0.136	0.002	0.0012	
7200 minute summer	MH20	6.000	MH21	0.0	0.000	0.000	0.0000	
7200 minute summer	MH21	6.001	MH22	0.0	0.000	0.000	0.0000	
7200 minute summer	MH22	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
7200 minute summer	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
7200 minute summer	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
7200 minute summer	MH25	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
7200 minute summer	MH26	6.002	MH12	0.0	0.000	0.000	0.0000	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH3	4380	29.078	0.063	0.0	0.0000	0.0000	OK
7200 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH6	2940	29.509	0.008	0.1	0.0013	0.0000	OK
7200 minute winter	MH7	4380	29.078	0.063	0.1	0.0000	0.0000	OK
7200 minute winter	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH9	4380	29.078	0.063	0.0	0.0000	0.0000	OK
7200 minute winter	MH10	4380	29.077	0.086	0.1	0.0244	0.0000	OK
7200 minute winter	MH11	4380	28.859	0.009	0.1	0.0027	0.0000	OK
7200 minute winter	MH12	4380	28.761	0.001	0.1	0.0003	0.0000	OK
7200 minute winter	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH15	60	29.135	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH16	60	29.600	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH17	60	29.490	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH18	60	29.135	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH19	60	29.120	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH20	60	29.600	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH21	60	29.500	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH22	60	29.128	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH25	60	29.128	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH26	60	29.100	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)	Discharge Vol (m³)
7200 minute winter	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	9.3
7200 minute winter	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
7200 minute winter	MH3	Flow through Pond	MH10	0.1	0.003	0.000	4.0553	
7200 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
7200 minute winter	MH5	2.001	MH6	0.0	0.000	0.000	0.0018	
7200 minute winter	MH6	2.002	MH7	0.1	0.273	0.006	0.0029	
7200 minute winter	MH7	Flow through Pond	MH10	0.1	0.003	0.000	4.0553	
7200 minute winter	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
7200 minute winter	MH9	Flow through Pond	MH10	0.1	0.003	0.000	4.0553	
7200 minute winter	MH10	1.002	MH11	0.1	0.180	0.005	0.0083	
7200 minute winter	MH11	1.003	MH12	0.1	0.380	0.005	0.0032	
7200 minute winter	MH12	Weir		0.1				
7200 minute winter	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
7200 minute winter	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
7200 minute winter	MH15	Flow through Pond	MH19	0.0	0.000	0.000	0.0014	
7200 minute winter	MH16	5.000	MH17	0.0	0.000	0.000	0.0000	
7200 minute winter	MH17	5.001	MH18	0.0	0.000	0.000	0.0000	
7200 minute winter	MH18	Flow through Pond	MH19	0.0	0.000	0.000	0.0014	
7200 minute winter	MH19	4.002	MH11	0.0	0.000	0.000	0.0009	
7200 minute winter	MH20	6.000	MH21	0.0	0.000	0.000	0.0000	
7200 minute winter	MH21	6.001	MH22	0.0	0.000	0.000	0.0000	
7200 minute winter	MH22	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
7200 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
7200 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
7200 minute winter	MH25	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
7200 minute winter	MH26	6.002	MH12	0.0	0.000	0.000	0.0000	

Results for 1 year 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH3	5040	29.074	0.060	0.0	0.0000	0.0000	OK
8640 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH6	3720	29.509	0.008	0.1	0.0013	0.0000	OK
8640 minute summer	MH7	5040	29.074	0.060	0.1	0.0000	0.0000	OK
8640 minute summer	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH9	5040	29.074	0.060	0.0	0.0000	0.0000	OK
8640 minute summer	MH10	5040	29.074	0.083	0.1	0.0234	0.0000	OK
8640 minute summer	MH11	4440	28.860	0.010	0.1	0.0029	0.0000	OK
8640 minute summer	MH12	4440	28.761	0.001	0.1	0.0004	0.0000	OK
8640 minute summer	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH15	4440	29.139	0.004	0.0	0.0000	0.0000	OK
8640 minute summer	MH16	4380	29.609	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH17	4380	29.497	0.007	0.1	0.0011	0.0000	OK
8640 minute summer	MH18	4440	29.140	0.004	0.1	0.0000	0.0000	OK
8640 minute summer	MH19	4440	29.139	0.019	0.1	0.0055	0.0000	OK
8640 minute summer	MH20	60	29.600	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH21	60	29.500	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH22	60	29.128	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH25	60	29.128	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH26	60	29.100	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)	Discharge Vol (m³)
8640 minute summer	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	9.3
8640 minute summer	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
8640 minute summer	MH3	Flow through Pond	MH10	0.1	0.003	0.000	3.8521	
8640 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
8640 minute summer	MH5	2.001	MH6	0.0	0.000	0.000	0.0018	
8640 minute summer	MH6	2.002	MH7	0.1	0.273	0.006	0.0029	
8640 minute summer	MH7	Flow through Pond	MH10	0.1	0.003	0.000	3.8521	
8640 minute summer	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
8640 minute summer	MH9	Flow through Pond	MH10	0.1	0.003	0.000	3.8521	
8640 minute summer	MH10	1.002	MH11	0.1	0.176	0.005	0.0085	
8640 minute summer	MH11	1.003	MH12	0.1	0.396	0.006	0.0036	
8640 minute summer	MH12	Weir		0.1				
8640 minute summer	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
8640 minute summer	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
8640 minute summer	MH15	Flow through Pond	MH19	0.1	0.005	0.000	0.5473	
8640 minute summer	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
8640 minute summer	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
8640 minute summer	MH18	Flow through Pond	MH19	0.1	0.005	0.000	0.5473	
8640 minute summer	MH19	4.002	MH11	0.0	0.114	0.002	0.0011	
8640 minute summer	MH20	6.000	MH21	0.0	0.000	0.000	0.0000	
8640 minute summer	MH21	6.001	MH22	0.0	0.000	0.000	0.0000	
8640 minute summer	MH22	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
8640 minute summer	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
8640 minute summer	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
8640 minute summer	MH25	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
8640 minute summer	MH26	6.002	MH12	0.0	0.000	0.000	0.0000	

Results for 1 year 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH3	5100	29.078	0.063	0.0	0.0000	0.0000	OK
8640 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH6	3660	29.509	0.008	0.1	0.0013	0.0000	OK
8640 minute winter	MH7	5100	29.078	0.063	0.1	0.0000	0.0000	OK
8640 minute winter	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH9	5100	29.078	0.063	0.0	0.0000	0.0000	OK
8640 minute winter	MH10	5100	29.077	0.086	0.1	0.0244	0.0000	OK
8640 minute winter	MH11	5100	28.859	0.009	0.1	0.0027	0.0000	OK
8640 minute winter	MH12	5100	28.761	0.001	0.1	0.0003	0.0000	OK
8640 minute winter	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH15	60	29.135	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH16	60	29.600	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH17	60	29.490	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH18	60	29.135	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH19	60	29.120	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH20	60	29.600	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH21	60	29.500	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH22	60	29.128	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH25	60	29.128	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH26	60	29.100	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)	Discharge Vol (m³)
8640 minute winter	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	9.3
8640 minute winter	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
8640 minute winter	MH3	Flow through Pond	MH10	0.1	0.003	0.000	4.0553	
8640 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
8640 minute winter	MH5	2.001	MH6	0.0	0.000	0.000	0.0018	
8640 minute winter	MH6	2.002	MH7	0.1	0.273	0.006	0.0029	
8640 minute winter	MH7	Flow through Pond	MH10	0.1	0.003	0.000	4.0553	
8640 minute winter	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
8640 minute winter	MH9	Flow through Pond	MH10	0.1	0.003	0.000	4.0553	
8640 minute winter	MH10	1.002	MH11	0.1	0.180	0.005	0.0083	
8640 minute winter	MH11	1.003	MH12	0.1	0.380	0.005	0.0032	
8640 minute winter	MH12	Weir		0.1				
8640 minute winter	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
8640 minute winter	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
8640 minute winter	MH15	Flow through Pond	MH19	0.0	0.000	0.000	0.0014	
8640 minute winter	MH16	5.000	MH17	0.0	0.000	0.000	0.0000	
8640 minute winter	MH17	5.001	MH18	0.0	0.000	0.000	0.0000	
8640 minute winter	MH18	Flow through Pond	MH19	0.0	0.000	0.000	0.0014	
8640 minute winter	MH19	4.002	MH11	0.0	0.000	0.000	0.0009	
8640 minute winter	MH20	6.000	MH21	0.0	0.000	0.000	0.0000	
8640 minute winter	MH21	6.001	MH22	0.0	0.000	0.000	0.0000	
8640 minute winter	MH22	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
8640 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
8640 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
8640 minute winter	MH25	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
8640 minute winter	MH26	6.002	MH12	0.0	0.000	0.000	0.0000	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH3	5820	29.078	0.063	0.0	0.0000	0.0000	OK
10080 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH6	4380	29.509	0.008	0.1	0.0013	0.0000	OK
10080 minute summer	MH7	5820	29.078	0.063	0.1	0.0000	0.0000	OK
10080 minute summer	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH9	5820	29.078	0.063	0.0	0.0000	0.0000	OK
10080 minute summer	MH10	5820	29.077	0.086	0.1	0.0244	0.0000	OK
10080 minute summer	MH11	5820	28.859	0.009	0.1	0.0027	0.0000	OK
10080 minute summer	MH12	5820	28.761	0.001	0.1	0.0003	0.0000	OK
10080 minute summer	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH15	60	29.135	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH16	60	29.600	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH17	60	29.490	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH18	60	29.135	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH19	60	29.120	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH20	60	29.600	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH21	60	29.500	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH22	60	29.128	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH25	60	29.128	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH26	60	29.100	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)	Discharge Vol (m³)
10080 minute summer	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	9.3
10080 minute summer	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
10080 minute summer	MH3	Flow through Pond	MH10	0.1	0.003	0.000	4.0553	
10080 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
10080 minute summer	MH5	2.001	MH6	0.0	0.000	0.000	0.0018	
10080 minute summer	MH6	2.002	MH7	0.1	0.273	0.006	0.0029	
10080 minute summer	MH7	Flow through Pond	MH10	0.1	0.003	0.000	4.0553	
10080 minute summer	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
10080 minute summer	MH9	Flow through Pond	MH10	0.1	0.003	0.000	4.0553	
10080 minute summer	MH10	1.002	MH11	0.1	0.180	0.005	0.0083	
10080 minute summer	MH11	1.003	MH12	0.1	0.380	0.005	0.0032	
10080 minute summer	MH12	Weir		0.1				
10080 minute summer	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
10080 minute summer	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
10080 minute summer	MH15	Flow through Pond	MH19	0.0	0.000	0.000	0.0014	
10080 minute summer	MH16	5.000	MH17	0.0	0.000	0.000	0.0000	
10080 minute summer	MH17	5.001	MH18	0.0	0.000	0.000	0.0000	
10080 minute summer	MH18	Flow through Pond	MH19	0.0	0.000	0.000	0.0014	
10080 minute summer	MH19	4.002	MH11	0.0	0.000	0.000	0.0009	
10080 minute summer	MH20	6.000	MH21	0.0	0.000	0.000	0.0000	
10080 minute summer	MH21	6.001	MH22	0.0	0.000	0.000	0.0000	
10080 minute summer	MH22	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
10080 minute summer	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
10080 minute summer	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
10080 minute summer	MH25	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
10080 minute summer	MH26	6.002	MH12	0.0	0.000	0.000	0.0000	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH3	5820	29.078	0.063	0.0	0.0000	0.0000	OK
10080 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH6	4380	29.509	0.008	0.1	0.0013	0.0000	OK
10080 minute winter	MH7	5820	29.078	0.063	0.1	0.0000	0.0000	OK
10080 minute winter	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH9	5820	29.078	0.063	0.0	0.0000	0.0000	OK
10080 minute winter	MH10	5820	29.077	0.086	0.1	0.0244	0.0000	OK
10080 minute winter	MH11	5820	28.859	0.009	0.1	0.0027	0.0000	OK
10080 minute winter	MH12	5820	28.761	0.001	0.1	0.0003	0.0000	OK
10080 minute winter	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH15	60	29.135	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH16	60	29.600	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH17	60	29.490	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH18	60	29.135	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH19	60	29.120	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH20	60	29.600	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH21	60	29.500	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH22	60	29.128	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH25	60	29.128	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH26	60	29.100	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)	Discharge Vol (m³)
10080 minute winter	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	9.3
10080 minute winter	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
10080 minute winter	MH3	Flow through Pond	MH10	0.1	0.003	0.000	4.0553	
10080 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
10080 minute winter	MH5	2.001	MH6	0.0	0.000	0.000	0.0018	
10080 minute winter	MH6	2.002	MH7	0.1	0.273	0.006	0.0029	
10080 minute winter	MH7	Flow through Pond	MH10	0.1	0.003	0.000	4.0553	
10080 minute winter	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
10080 minute winter	MH9	Flow through Pond	MH10	0.1	0.003	0.000	4.0553	
10080 minute winter	MH10	1.002	MH11	0.1	0.180	0.005	0.0083	
10080 minute winter	MH11	1.003	MH12	0.1	0.380	0.005	0.0032	
10080 minute winter	MH12	Weir		0.1				
10080 minute winter	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
10080 minute winter	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
10080 minute winter	MH15	Flow through Pond	MH19	0.0	0.000	0.000	0.0014	
10080 minute winter	MH16	5.000	MH17	0.0	0.000	0.000	0.0000	
10080 minute winter	MH17	5.001	MH18	0.0	0.000	0.000	0.0000	
10080 minute winter	MH18	Flow through Pond	MH19	0.0	0.000	0.000	0.0014	
10080 minute winter	MH19	4.002	MH11	0.0	0.000	0.000	0.0009	
10080 minute winter	MH20	6.000	MH21	0.0	0.000	0.000	0.0000	
10080 minute winter	MH21	6.001	MH22	0.0	0.000	0.000	0.0000	
10080 minute winter	MH22	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
10080 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
10080 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
10080 minute winter	MH25	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
10080 minute winter	MH26	6.002	MH12	0.0	0.000	0.000	0.0000	

Results for 30 year 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 96.45%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	MH1	10	29.736	0.045	2.6	0.0000	0.0000	OK
15 minute summer	MH2	10	29.651	0.060	4.2	0.0000	0.0000	OK
15 minute summer	MH3	23	29.161	0.147	4.1	0.0000	0.0000	OK
15 minute summer	MH4	11	29.718	0.027	1.0	0.0000	0.0000	OK
15 minute summer	MH5	10	29.672	0.051	3.1	0.0000	0.0000	OK
15 minute summer	MH6	10	29.602	0.101	13.5	0.0161	0.0000	OK
15 minute summer	MH7	25	29.162	0.147	13.4	0.0000	0.0000	OK
15 minute summer	MH8	10	29.737	0.046	2.6	0.0000	0.0000	OK
15 minute summer	MH9	25	29.161	0.147	2.6	0.0000	0.0000	OK
15 minute summer	MH10	21	29.162	0.171	13.3	0.0484	0.0000	SURCHARGED
15 minute summer	MH11	25	28.863	0.013	0.2	0.0038	0.0000	OK
15 minute summer	MH12	25	28.762	0.002	0.2	0.0007	0.0000	OK
15 minute summer	MH13	10	29.647	0.047	2.6	0.0133	0.0000	OK
15 minute summer	MH14	10	29.507	0.047	2.6	0.0133	0.0000	OK
15 minute summer	MH15	24	29.206	0.071	2.6	0.0000	0.0000	OK
15 minute summer	MH16	10	29.671	0.071	5.2	0.0000	0.0000	OK
15 minute summer	MH17	10	29.541	0.051	6.2	0.0082	0.0000	OK
15 minute summer	MH18	24	29.206	0.071	6.1	0.0000	0.0000	OK
15 minute summer	MH19	21	29.206	0.086	5.9	0.0242	0.0000	OK
15 minute summer	MH20	10	29.659	0.059	4.2	0.0000	0.0000	OK
15 minute summer	MH21	10	29.586	0.086	6.3	0.0136	0.0000	OK
15 minute summer	MH22	11	29.231	0.103	6.2	0.0000	0.0000	OK
15 minute summer	MH23	10	29.635	0.035	1.6	0.0055	0.0000	OK
15 minute summer	MH24	10	29.515	0.045	3.2	0.0072	0.0000	OK
15 minute summer	MH25	21	29.198	0.069	3.1	0.0000	0.0000	OK
15 minute summer	MH26	24	29.197	0.097	7.3	0.0276	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	MH1	1.000	MH2	2.6	0.624	0.412	0.0385	
15 minute summer	MH2	1.001	MH3	4.1	0.847	0.668	0.0559	
15 minute summer	MH3	Flow through Pond	MH10	12.5	0.106	0.002	8.6064	
15 minute summer	MH4	2.000	MH5	1.0	0.358	0.165	0.0198	
15 minute summer	MH5	2.001	MH6	3.1	0.483	0.510	0.0706	
15 minute summer	MH6	2.002	MH7	13.4	1.089	0.744	0.0956	
15 minute summer	MH7	Flow through Pond	MH10	12.5	0.106	0.002	8.6064	
15 minute summer	MH8	3.000	MH9	2.6	0.742	0.427	0.0393	
15 minute summer	MH9	Flow through Pond	MH10	12.5	0.106	0.002	8.6064	
15 minute summer	MH10	1.002	MH11	0.1	0.235	0.007	0.0126	
15 minute summer	MH11	1.003	MH12	0.2	0.459	0.011	0.0055	
15 minute summer	MH12	Weir		0.2				3.1
15 minute summer	MH13	4.000	MH14	2.6	0.716	0.427	0.0504	
15 minute summer	MH14	4.001	MH15	2.6	0.730	0.416	0.0135	
15 minute summer	MH15	Flow through Pond	MH19	5.9	0.060	0.002	3.6274	
15 minute summer	MH16	5.000	MH17	5.2	1.032	0.797	0.0477	
15 minute summer	MH17	5.001	MH18	6.1	1.185	0.233	0.0285	
15 minute summer	MH18	Flow through Pond	MH19	5.9	0.060	0.002	3.6274	
15 minute summer	MH19	4.002	MH11	0.1	0.305	0.004	0.0017	
15 minute summer	MH20	6.000	MH21	4.2	0.693	0.660	0.0547	
15 minute summer	MH21	6.001	MH22	6.2	0.890	0.993	0.0657	
15 minute summer	MH22	Flow through Pond	MH26	7.3	0.112	0.005	3.8334	
15 minute summer	MH23	7.000	MH24	1.6	0.545	0.256	0.0363	
15 minute summer	MH24	7.001	MH25	3.1	0.950	0.382	0.0126	
15 minute summer	MH25	Flow through Pond	MH26	7.3	0.112	0.005	3.8334	
15 minute summer	MH26	6.002	MH12	0.1	0.436	0.005	0.0005	

Results for 30 year 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 96.45%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	MH1	10	29.734	0.043	2.4	0.0000	0.0000	OK
15 minute winter	MH2	10	29.648	0.057	3.9	0.0000	0.0000	OK
15 minute winter	MH3	21	29.162	0.148	3.8	0.0000	0.0000	OK
15 minute winter	MH4	10	29.718	0.027	1.0	0.0000	0.0000	OK
15 minute winter	MH5	10	29.669	0.048	2.9	0.0000	0.0000	OK
15 minute winter	MH6	10	29.597	0.096	12.5	0.0153	0.0000	OK
15 minute winter	MH7	20	29.162	0.148	12.4	0.0000	0.0000	OK
15 minute winter	MH8	10	29.735	0.044	2.4	0.0000	0.0000	OK
15 minute winter	MH9	21	29.162	0.148	2.4	0.0000	0.0000	OK
15 minute winter	MH10	23	29.163	0.172	12.9	0.0486	0.0000	SURCHARGED
15 minute winter	MH11	25	28.863	0.013	0.2	0.0038	0.0000	OK
15 minute winter	MH12	25	28.762	0.002	0.2	0.0007	0.0000	OK
15 minute winter	MH13	10	29.645	0.045	2.4	0.0127	0.0000	OK
15 minute winter	MH14	10	29.505	0.045	2.4	0.0126	0.0000	OK
15 minute winter	MH15	23	29.206	0.070	2.4	0.0000	0.0000	OK
15 minute winter	MH16	10	29.668	0.068	4.9	0.0000	0.0000	OK
15 minute winter	MH17	10	29.540	0.050	5.8	0.0079	0.0000	OK
15 minute winter	MH18	23	29.206	0.070	5.8	0.0000	0.0000	OK
15 minute winter	MH19	26	29.205	0.085	5.8	0.0241	0.0000	OK
15 minute winter	MH20	10	29.657	0.057	3.9	0.0000	0.0000	OK
15 minute winter	MH21	10	29.578	0.078	5.8	0.0125	0.0000	OK
15 minute winter	MH22	11	29.226	0.098	5.7	0.0000	0.0000	OK
15 minute winter	MH23	10	29.633	0.033	1.5	0.0053	0.0000	OK
15 minute winter	MH24	10	29.513	0.043	3.0	0.0069	0.0000	OK
15 minute winter	MH25	21	29.197	0.068	2.9	0.0000	0.0000	OK
15 minute winter	MH26	24	29.196	0.096	6.8	0.0273	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	MH1	1.000	MH2	2.4	0.611	0.380	0.0363	
15 minute winter	MH2	1.001	MH3	3.8	0.832	0.619	0.0527	
15 minute winter	MH3	Flow through Pond	MH10	11.9	0.112	0.002	8.6489	
15 minute winter	MH4	2.000	MH5	1.0	0.362	0.161	0.0189	
15 minute winter	MH5	2.001	MH6	2.8	0.469	0.470	0.0687	
15 minute winter	MH6	2.002	MH7	12.4	1.073	0.690	0.0902	
15 minute winter	MH7	Flow through Pond	MH10	11.9	0.112	0.002	8.6489	
15 minute winter	MH8	3.000	MH9	2.4	0.727	0.394	0.0370	
15 minute winter	MH9	Flow through Pond	MH10	11.9	0.112	0.002	8.6489	
15 minute winter	MH10	1.002	MH11	0.1	0.240	0.007	0.0126	
15 minute winter	MH11	1.003	MH12	0.2	0.459	0.011	0.0055	
15 minute winter	MH12	Weir		0.2				3.1
15 minute winter	MH13	4.000	MH14	2.4	0.702	0.394	0.0474	
15 minute winter	MH14	4.001	MH15	2.4	0.715	0.383	0.0127	
15 minute winter	MH15	Flow through Pond	MH19	5.8	0.068	0.002	3.6131	
15 minute winter	MH16	5.000	MH17	4.8	1.014	0.748	0.0456	
15 minute winter	MH17	5.001	MH18	5.8	1.166	0.220	0.0273	
15 minute winter	MH18	Flow through Pond	MH19	5.8	0.068	0.002	3.6131	
15 minute winter	MH19	4.002	MH11	0.1	0.295	0.004	0.0017	
15 minute winter	MH20	6.000	MH21	3.9	0.689	0.613	0.0510	
15 minute winter	MH21	6.001	MH22	5.7	0.884	0.916	0.0611	
15 minute winter	MH22	Flow through Pond	MH26	6.8	0.117	0.005	3.7915	
15 minute winter	MH23	7.000	MH24	1.5	0.536	0.240	0.0346	
15 minute winter	MH24	7.001	MH25	2.9	0.934	0.358	0.0120	
15 minute winter	MH25	Flow through Pond	MH26	6.8	0.117	0.005	3.7915	
15 minute winter	MH26	6.002	MH12	0.1	0.435	0.005	0.0005	

Results for 30 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 96.28%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	MH1	18	29.734	0.043	2.4	0.0000	0.0000	OK
30 minute summer	MH2	18	29.648	0.057	3.8	0.0000	0.0000	OK
30 minute summer	MH3	37	29.214	0.199	3.8	0.0000	0.0000	OK
30 minute summer	MH4	19	29.717	0.026	0.9	0.0000	0.0000	OK
30 minute summer	MH5	18	29.669	0.048	2.8	0.0000	0.0000	OK
30 minute summer	MH6	18	29.596	0.095	12.3	0.0152	0.0000	OK
30 minute summer	MH7	37	29.214	0.199	12.3	0.0000	0.0000	OK
30 minute summer	MH8	18	29.735	0.044	2.4	0.0000	0.0000	OK
30 minute summer	MH9	37	29.214	0.199	2.4	0.0000	0.0000	OK
30 minute summer	MH10	35	29.213	0.222	11.1	0.0628	0.0000	SURCHARGED
30 minute summer	MH11	39	28.864	0.014	0.2	0.0040	0.0000	OK
30 minute summer	MH12	38	28.763	0.003	0.3	0.0008	0.0000	OK
30 minute summer	MH13	18	29.645	0.045	2.4	0.0127	0.0000	OK
30 minute summer	MH14	18	29.505	0.045	2.4	0.0128	0.0000	OK
30 minute summer	MH15	37	29.230	0.094	2.4	0.0000	0.0000	OK
30 minute summer	MH16	18	29.666	0.066	4.7	0.0000	0.0000	OK
30 minute summer	MH17	18	29.539	0.049	5.6	0.0078	0.0000	OK
30 minute summer	MH18	37	29.230	0.094	5.6	0.0000	0.0000	OK
30 minute summer	MH19	38	29.229	0.109	4.5	0.0310	0.0000	SURCHARGED
30 minute summer	MH20	18	29.656	0.056	3.8	0.0000	0.0000	OK
30 minute summer	MH21	18	29.578	0.078	5.7	0.0125	0.0000	OK
30 minute summer	MH22	19	29.229	0.101	5.7	0.0000	0.0000	OK
30 minute summer	MH23	18	29.632	0.032	1.4	0.0052	0.0000	OK
30 minute summer	MH24	18	29.512	0.042	2.8	0.0067	0.0000	OK
30 minute summer	MH25	35	29.222	0.094	2.8	0.0000	0.0000	OK
30 minute summer	MH26	39	29.222	0.122	5.7	0.0346	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	MH1	1.000	MH2	2.4	0.618	0.383	0.0362	
30 minute summer	MH2	1.001	MH3	3.8	0.832	0.615	0.0523	
30 minute summer	MH3	Flow through Pond	MH10	10.2	0.082	0.002	11.4001	
30 minute summer	MH4	2.000	MH5	0.9	0.354	0.148	0.0184	
30 minute summer	MH5	2.001	MH6	2.8	0.467	0.463	0.0682	
30 minute summer	MH6	2.002	MH7	12.3	1.072	0.683	0.0893	
30 minute summer	MH7	Flow through Pond	MH10	10.2	0.082	0.002	11.4001	
30 minute summer	MH8	3.000	MH9	2.4	0.729	0.398	0.0372	
30 minute summer	MH9	Flow through Pond	MH10	10.2	0.082	0.002	11.4001	
30 minute summer	MH10	1.002	MH11	0.1	0.224	0.008	0.0138	
30 minute summer	MH11	1.003	MH12	0.2	0.476	0.013	0.0061	
30 minute summer	MH12	Weir		0.3				3.7
30 minute summer	MH13	4.000	MH14	2.4	0.703	0.397	0.0478	
30 minute summer	MH14	4.001	MH15	2.4	0.719	0.390	0.0129	
30 minute summer	MH15	Flow through Pond	MH19	4.5	0.045	0.002	4.7448	
30 minute summer	MH16	5.000	MH17	4.7	1.011	0.725	0.0444	
30 minute summer	MH17	5.001	MH18	5.6	1.157	0.213	0.0266	
30 minute summer	MH18	Flow through Pond	MH19	4.5	0.045	0.002	4.7448	
30 minute summer	MH19	4.002	MH11	0.1	0.215	0.005	0.0019	
30 minute summer	MH20	6.000	MH21	3.8	0.685	0.602	0.0506	
30 minute summer	MH21	6.001	MH22	5.7	0.883	0.918	0.0611	
30 minute summer	MH22	Flow through Pond	MH26	5.7	0.093	0.004	5.0286	
30 minute summer	MH23	7.000	MH24	1.4	0.528	0.227	0.0332	
30 minute summer	MH24	7.001	MH25	2.8	0.923	0.340	0.0115	
30 minute summer	MH25	Flow through Pond	MH26	5.7	0.093	0.004	5.0286	
30 minute summer	MH26	6.002	MH12	0.1	0.451	0.005	0.0005	

Results for 30 year 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 96.29%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	MH1	18	29.729	0.038	1.9	0.0000	0.0000	OK
30 minute winter	MH2	18	29.640	0.049	3.0	0.0000	0.0000	OK
30 minute winter	MH3	36	29.213	0.199	3.0	0.0000	0.0000	OK
30 minute winter	MH4	18	29.716	0.025	0.8	0.0000	0.0000	OK
30 minute winter	MH5	18	29.664	0.043	2.3	0.0000	0.0000	OK
30 minute winter	MH6	18	29.584	0.083	9.9	0.0132	0.0000	OK
30 minute winter	MH7	36	29.213	0.199	9.9	0.0000	0.0000	OK
30 minute winter	MH8	18	29.729	0.038	1.9	0.0000	0.0000	OK
30 minute winter	MH9	36	29.213	0.199	1.9	0.0000	0.0000	OK
30 minute winter	MH10	35	29.213	0.222	8.7	0.0627	0.0000	SURCHARGED
30 minute winter	MH11	38	28.864	0.014	0.2	0.0040	0.0000	OK
30 minute winter	MH12	39	28.763	0.003	0.3	0.0008	0.0000	OK
30 minute winter	MH13	18	29.639	0.039	1.9	0.0111	0.0000	OK
30 minute winter	MH14	18	29.500	0.040	1.9	0.0112	0.0000	OK
30 minute winter	MH15	36	29.230	0.094	1.9	0.0000	0.0000	OK
30 minute winter	MH16	18	29.657	0.057	3.8	0.0000	0.0000	OK
30 minute winter	MH17	18	29.534	0.044	4.6	0.0070	0.0000	OK
30 minute winter	MH18	36	29.230	0.094	4.6	0.0000	0.0000	OK
30 minute winter	MH19	37	29.229	0.109	4.0	0.0310	0.0000	SURCHARGED
30 minute winter	MH20	18	29.650	0.050	3.1	0.0000	0.0000	OK
30 minute winter	MH21	18	29.566	0.066	4.6	0.0105	0.0000	OK
30 minute winter	MH22	37	29.222	0.094	4.6	0.0000	0.0000	OK
30 minute winter	MH23	19	29.629	0.029	1.1	0.0045	0.0000	OK
30 minute winter	MH24	19	29.507	0.037	2.2	0.0058	0.0000	OK
30 minute winter	MH25	37	29.222	0.094	2.2	0.0000	0.0000	OK
30 minute winter	MH26	36	29.222	0.122	4.1	0.0345	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	MH1	1.000	MH2	1.9	0.583	0.303	0.0304	
30 minute winter	MH2	1.001	MH3	3.0	0.786	0.485	0.0437	
30 minute winter	MH3	Flow through Pond	MH10	8.0	0.095	0.001	11.3778	
30 minute winter	MH4	2.000	MH5	0.8	0.346	0.132	0.0162	
30 minute winter	MH5	2.001	MH6	2.3	0.445	0.380	0.0606	
30 minute winter	MH6	2.002	MH7	9.9	1.022	0.550	0.0754	
30 minute winter	MH7	Flow through Pond	MH10	8.0	0.095	0.001	11.3778	
30 minute winter	MH8	3.000	MH9	1.9	0.685	0.315	0.0314	
30 minute winter	MH9	Flow through Pond	MH10	8.0	0.095	0.001	11.3778	
30 minute winter	MH10	1.002	MH11	0.1	0.228	0.008	0.0138	
30 minute winter	MH11	1.003	MH12	0.2	0.476	0.013	0.0061	
30 minute winter	MH12	Weir		0.3				3.7
30 minute winter	MH13	4.000	MH14	1.9	0.663	0.315	0.0401	
30 minute winter	MH14	4.001	MH15	1.9	0.677	0.309	0.0108	
30 minute winter	MH15	Flow through Pond	MH19	4.0	0.055	0.001	4.7419	
30 minute winter	MH16	5.000	MH17	3.8	0.954	0.586	0.0381	
30 minute winter	MH17	5.001	MH18	4.6	1.098	0.175	0.0230	
30 minute winter	MH18	Flow through Pond	MH19	4.0	0.055	0.001	4.7419	
30 minute winter	MH19	4.002	MH11	0.1	0.236	0.005	0.0019	
30 minute winter	MH20	6.000	MH21	3.1	0.661	0.491	0.0428	
30 minute winter	MH21	6.001	MH22	4.6	0.855	0.742	0.0510	
30 minute winter	MH22	Flow through Pond	MH26	4.1	0.088	0.003	5.0013	
30 minute winter	MH23	7.000	MH24	1.1	0.496	0.179	0.0278	
30 minute winter	MH24	7.001	MH25	2.2	0.867	0.267	0.0096	
30 minute winter	MH25	Flow through Pond	MH26	4.1	0.088	0.003	5.0013	
30 minute winter	MH26	6.002	MH12	0.1	0.451	0.005	0.0005	

Results for 30 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 96.20%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	MH1	33	29.728	0.037	1.8	0.0000	0.0000	OK
60 minute summer	MH2	33	29.639	0.048	2.9	0.0000	0.0000	OK
60 minute summer	MH3	65	29.268	0.254	2.9	0.0000	0.0000	OK
60 minute summer	MH4	34	29.714	0.023	0.7	0.0000	0.0000	OK
60 minute summer	MH5	34	29.662	0.041	2.1	0.0000	0.0000	OK
60 minute summer	MH6	33	29.581	0.080	9.3	0.0127	0.0000	OK
60 minute summer	MH7	64	29.268	0.254	9.3	0.0000	0.0000	OK
60 minute summer	MH8	33	29.728	0.037	1.8	0.0000	0.0000	OK
60 minute summer	MH9	66	29.268	0.254	1.8	0.0000	0.0000	OK
60 minute summer	MH10	66	29.268	0.277	7.4	0.0784	0.0000	SURCHARGED
60 minute summer	MH11	68	28.865	0.015	0.2	0.0042	0.0000	OK
60 minute summer	MH12	68	28.763	0.003	0.3	0.0008	0.0000	OK
60 minute summer	MH13	33	29.638	0.038	1.8	0.0108	0.0000	OK
60 minute summer	MH14	33	29.498	0.038	1.8	0.0109	0.0000	OK
60 minute summer	MH15	66	29.256	0.121	1.8	0.0000	0.0000	OK
60 minute summer	MH16	33	29.656	0.056	3.6	0.0000	0.0000	OK
60 minute summer	MH17	33	29.532	0.042	4.3	0.0067	0.0000	OK
60 minute summer	MH18	66	29.256	0.121	4.3	0.0000	0.0000	OK
60 minute summer	MH19	66	29.256	0.136	3.0	0.0384	0.0000	SURCHARGED
60 minute summer	MH20	33	29.648	0.048	2.9	0.0000	0.0000	OK
60 minute summer	MH21	33	29.563	0.063	4.3	0.0100	0.0000	OK
60 minute summer	MH22	67	29.250	0.122	4.3	0.0000	0.0000	OK
60 minute summer	MH23	33	29.629	0.029	1.1	0.0045	0.0000	OK
60 minute summer	MH24	33	29.507	0.037	2.2	0.0058	0.0000	OK
60 minute summer	MH25	65	29.250	0.122	2.2	0.0000	0.0000	OK
60 minute summer	MH26	66	29.250	0.150	3.7	0.0425	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	MH1	1.000	MH2	1.8	0.571	0.288	0.0294	4.5
60 minute summer	MH2	1.001	MH3	2.9	0.779	0.469	0.0426	
60 minute summer	MH3	Flow through Pond	MH10	6.7	0.078	0.001	14.3774	
60 minute summer	MH4	2.000	MH5	0.7	0.328	0.115	0.0150	
60 minute summer	MH5	2.001	MH6	2.1	0.436	0.348	0.0579	
60 minute summer	MH6	2.002	MH7	9.3	1.007	0.517	0.0719	
60 minute summer	MH7	Flow through Pond	MH10	6.7	0.078	0.001	14.3774	
60 minute summer	MH8	3.000	MH9	1.8	0.675	0.298	0.0301	
60 minute summer	MH9	Flow through Pond	MH10	6.7	0.078	0.001	14.3774	
60 minute summer	MH10	1.002	MH11	0.1	0.208	0.009	0.0149	
60 minute summer	MH11	1.003	MH12	0.2	0.492	0.014	0.0066	
60 minute summer	MH12	Weir		0.3				
60 minute summer	MH13	4.000	MH14	1.8	0.654	0.298	0.0385	
60 minute summer	MH14	4.001	MH15	1.8	0.667	0.293	0.0104	
60 minute summer	MH15	Flow through Pond	MH19	3.0	0.030	0.001	5.9617	
60 minute summer	MH16	5.000	MH17	3.6	0.944	0.556	0.0365	
60 minute summer	MH17	5.001	MH18	4.3	1.077	0.163	0.0219	
60 minute summer	MH18	Flow through Pond	MH19	3.0	0.030	0.001	5.9617	
60 minute summer	MH19	4.002	MH11	0.1	0.184	0.005	0.0020	
60 minute summer	MH20	6.000	MH21	2.9	0.651	0.459	0.0407	
60 minute summer	MH21	6.001	MH22	4.3	0.843	0.693	0.0484	
60 minute summer	MH22	Flow through Pond	MH26	3.7	0.061	0.003	6.3287	
60 minute summer	MH23	7.000	MH24	1.1	0.496	0.179	0.0278	
60 minute summer	MH24	7.001	MH25	2.2	0.867	0.267	0.0096	
60 minute summer	MH25	Flow through Pond	MH26	3.7	0.061	0.003	6.3287	
60 minute summer	MH26	6.002	MH12	0.1	0.466	0.006	0.0006	

Results for 30 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 96.20%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	MH1	34	29.722	0.031	1.3	0.0000	0.0000	OK
60 minute winter	MH2	34	29.631	0.040	2.1	0.0000	0.0000	OK
60 minute winter	MH3	64	29.267	0.253	2.1	0.0000	0.0000	OK
60 minute winter	MH4	34	29.710	0.019	0.5	0.0000	0.0000	OK
60 minute winter	MH5	33	29.655	0.034	1.5	0.0000	0.0000	OK
60 minute winter	MH6	33	29.567	0.066	6.7	0.0104	0.0000	OK
60 minute winter	MH7	64	29.267	0.253	6.7	0.0000	0.0000	OK
60 minute winter	MH8	32	29.722	0.031	1.3	0.0000	0.0000	OK
60 minute winter	MH9	64	29.267	0.253	1.3	0.0000	0.0000	OK
60 minute winter	MH10	65	29.267	0.276	5.6	0.0780	0.0000	SURCHARGED
60 minute winter	MH11	67	28.865	0.015	0.2	0.0042	0.0000	OK
60 minute winter	MH12	66	28.763	0.003	0.3	0.0008	0.0000	OK
60 minute winter	MH13	32	29.632	0.032	1.3	0.0091	0.0000	OK
60 minute winter	MH14	33	29.492	0.032	1.3	0.0091	0.0000	OK
60 minute winter	MH15	65	29.256	0.120	1.3	0.0000	0.0000	OK
60 minute winter	MH16	33	29.646	0.046	2.6	0.0000	0.0000	OK
60 minute winter	MH17	33	29.526	0.036	3.1	0.0057	0.0000	OK
60 minute winter	MH18	65	29.255	0.120	3.1	0.0000	0.0000	OK
60 minute winter	MH19	65	29.255	0.135	2.3	0.0383	0.0000	SURCHARGED
60 minute winter	MH20	33	29.640	0.040	2.1	0.0000	0.0000	OK
60 minute winter	MH21	33	29.551	0.051	3.1	0.0081	0.0000	OK
60 minute winter	MH22	64	29.249	0.121	3.1	0.0000	0.0000	OK
60 minute winter	MH23	34	29.624	0.024	0.8	0.0039	0.0000	OK
60 minute winter	MH24	34	29.501	0.031	1.6	0.0049	0.0000	OK
60 minute winter	MH25	64	29.249	0.121	1.6	0.0000	0.0000	OK
60 minute winter	MH26	65	29.249	0.149	3.0	0.0422	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	MH1	1.000	MH2	1.3	0.523	0.208	0.0232	4.5
60 minute winter	MH2	1.001	MH3	2.1	0.716	0.340	0.0336	
60 minute winter	MH3	Flow through Pond	MH10	5.1	0.068	0.001	14.3114	
60 minute winter	MH4	2.000	MH5	0.5	0.307	0.082	0.0118	
60 minute winter	MH5	2.001	MH6	1.5	0.394	0.248	0.0466	
60 minute winter	MH6	2.002	MH7	6.7	0.928	0.372	0.0562	
60 minute winter	MH7	Flow through Pond	MH10	5.1	0.068	0.001	14.3114	
60 minute winter	MH8	3.000	MH9	1.3	0.616	0.215	0.0238	
60 minute winter	MH9	Flow through Pond	MH10	5.1	0.068	0.001	14.3114	
60 minute winter	MH10	1.002	MH11	0.1	0.208	0.009	0.0149	
60 minute winter	MH11	1.003	MH12	0.2	0.491	0.014	0.0066	
60 minute winter	MH12	Weir		0.3				
60 minute winter	MH13	4.000	MH14	1.3	0.601	0.215	0.0303	
60 minute winter	MH14	4.001	MH15	1.3	0.611	0.211	0.0082	
60 minute winter	MH15	Flow through Pond	MH19	2.3	0.038	0.001	5.9463	
60 minute winter	MH16	5.000	MH17	2.6	0.865	0.401	0.0288	
60 minute winter	MH17	5.001	MH18	3.1	0.984	0.118	0.0173	
60 minute winter	MH18	Flow through Pond	MH19	2.3	0.038	0.001	5.9463	
60 minute winter	MH19	4.002	MH11	0.1	0.184	0.005	0.0020	
60 minute winter	MH20	6.000	MH21	2.1	0.608	0.332	0.0316	
60 minute winter	MH21	6.001	MH22	3.1	0.782	0.500	0.0375	
60 minute winter	MH22	Flow through Pond	MH26	3.0	0.070	0.002	6.2936	
60 minute winter	MH23	7.000	MH24	0.8	0.455	0.130	0.0220	
60 minute winter	MH24	7.001	MH25	1.6	0.796	0.194	0.0076	
60 minute winter	MH25	Flow through Pond	MH26	3.0	0.070	0.002	6.2936	
60 minute winter	MH26	6.002	MH12	0.1	0.465	0.006	0.0006	

Results for 30 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 96.17%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	MH1	64	29.721	0.030	1.2	0.0000	0.0000	OK
120 minute summer	MH2	64	29.629	0.038	1.9	0.0000	0.0000	OK
120 minute summer	MH3	126	29.330	0.315	1.9	0.0000	0.0000	OK
120 minute summer	MH4	64	29.710	0.019	0.5	0.0000	0.0000	OK
120 minute summer	MH5	64	29.655	0.034	1.5	0.0000	0.0000	OK
120 minute summer	MH6	64	29.564	0.063	6.3	0.0101	0.0000	OK
120 minute summer	MH7	126	29.330	0.315	6.3	0.0000	0.0000	OK
120 minute summer	MH8	64	29.721	0.030	1.2	0.0000	0.0000	OK
120 minute summer	MH9	126	29.330	0.315	1.2	0.0000	0.0000	OK
120 minute summer	MH10	126	29.329	0.338	4.7	0.0957	0.0000	SURCHARGED
120 minute summer	MH11	128	28.866	0.016	0.2	0.0044	0.0000	OK
120 minute summer	MH12	128	28.763	0.003	0.3	0.0009	0.0000	OK
120 minute summer	MH13	64	29.631	0.031	1.2	0.0087	0.0000	OK
120 minute summer	MH14	64	29.491	0.031	1.2	0.0087	0.0000	OK
120 minute summer	MH15	126	29.284	0.149	1.2	0.0000	0.0000	OK
120 minute summer	MH16	64	29.644	0.044	2.4	0.0000	0.0000	OK
120 minute summer	MH17	64	29.525	0.035	2.9	0.0055	0.0000	OK
120 minute summer	MH18	126	29.284	0.149	2.9	0.0000	0.0000	OK
120 minute summer	MH19	126	29.284	0.164	2.0	0.0464	0.0000	SURCHARGED
120 minute summer	MH20	64	29.638	0.038	1.9	0.0000	0.0000	OK
120 minute summer	MH21	64	29.549	0.049	2.9	0.0078	0.0000	OK
120 minute summer	MH22	126	29.283	0.155	2.9	0.0000	0.0000	OK
120 minute summer	MH23	64	29.623	0.023	0.7	0.0036	0.0000	OK
120 minute summer	MH24	64	29.499	0.029	1.4	0.0046	0.0000	OK
120 minute summer	MH25	126	29.283	0.155	1.4	0.0000	0.0000	OK
120 minute summer	MH26	126	29.283	0.183	2.3	0.0518	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	MH1	1.000	MH2	1.2	0.515	0.192	0.0217	5.7
120 minute summer	MH2	1.001	MH3	1.9	0.697	0.307	0.0312	
120 minute summer	MH3	Flow through Pond	MH10	4.2	0.044	0.001	17.6922	
120 minute summer	MH4	2.000	MH5	0.5	0.299	0.082	0.0118	
120 minute summer	MH5	2.001	MH6	1.5	0.398	0.248	0.0453	
120 minute summer	MH6	2.002	MH7	6.3	0.914	0.350	0.0537	
120 minute summer	MH7	Flow through Pond	MH10	4.2	0.044	0.001	17.6922	
120 minute summer	MH8	3.000	MH9	1.2	0.603	0.199	0.0225	
120 minute summer	MH9	Flow through Pond	MH10	4.2	0.044	0.001	17.6922	
120 minute summer	MH10	1.002	MH11	0.1	0.197	0.010	0.0160	
120 minute summer	MH11	1.003	MH12	0.2	0.506	0.016	0.0071	
120 minute summer	MH12	Weir		0.3				
120 minute summer	MH13	4.000	MH14	1.2	0.588	0.199	0.0286	
120 minute summer	MH14	4.001	MH15	1.2	0.598	0.195	0.0077	
120 minute summer	MH15	Flow through Pond	MH19	2.0	0.016	0.001	7.2850	
120 minute summer	MH16	5.000	MH17	2.4	0.843	0.370	0.0273	
120 minute summer	MH17	5.001	MH18	2.9	0.966	0.110	0.0165	
120 minute summer	MH18	Flow through Pond	MH19	2.0	0.016	0.001	7.2850	
120 minute summer	MH19	4.002	MH11	0.1	0.190	0.006	0.0022	
120 minute summer	MH20	6.000	MH21	1.9	0.585	0.301	0.0298	
120 minute summer	MH21	6.001	MH22	2.9	0.770	0.467	0.0357	
120 minute summer	MH22	Flow through Pond	MH26	2.3	0.042	0.002	7.8599	
120 minute summer	MH23	7.000	MH24	0.7	0.439	0.114	0.0200	
120 minute summer	MH24	7.001	MH25	1.4	0.768	0.170	0.0069	
120 minute summer	MH25	Flow through Pond	MH26	2.3	0.042	0.002	7.8599	
120 minute summer	MH26	6.002	MH12	0.1	0.480	0.006	0.0006	

Results for 30 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 96.17%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	MH1	62	29.715	0.024	0.8	0.0000	0.0000	OK
120 minute winter	MH2	62	29.622	0.031	1.3	0.0000	0.0000	OK
120 minute winter	MH3	124	29.332	0.318	1.3	0.0000	0.0000	OK
120 minute winter	MH4	58	29.706	0.015	0.3	0.0000	0.0000	OK
120 minute winter	MH5	64	29.649	0.028	1.0	0.0000	0.0000	OK
120 minute winter	MH6	64	29.552	0.051	4.3	0.0081	0.0000	OK
120 minute winter	MH7	124	29.332	0.318	4.3	0.0000	0.0000	OK
120 minute winter	MH8	62	29.716	0.025	0.8	0.0000	0.0000	OK
120 minute winter	MH9	124	29.332	0.318	0.8	0.0000	0.0000	OK
120 minute winter	MH10	124	29.332	0.341	3.2	0.0965	0.0000	SURCHARGED
120 minute winter	MH11	126	28.866	0.016	0.2	0.0044	0.0000	OK
120 minute winter	MH12	126	28.763	0.003	0.3	0.0009	0.0000	OK
120 minute winter	MH13	60	29.625	0.025	0.8	0.0070	0.0000	OK
120 minute winter	MH14	60	29.485	0.025	0.8	0.0071	0.0000	OK
120 minute winter	MH15	124	29.285	0.150	0.8	0.0000	0.0000	OK
120 minute winter	MH16	62	29.635	0.035	1.6	0.0000	0.0000	OK
120 minute winter	MH17	62	29.518	0.028	1.9	0.0044	0.0000	OK
120 minute winter	MH18	124	29.285	0.150	1.9	0.0000	0.0000	OK
120 minute winter	MH19	124	29.285	0.165	1.4	0.0466	0.0000	SURCHARGED
120 minute winter	MH20	64	29.631	0.031	1.3	0.0000	0.0000	OK
120 minute winter	MH21	64	29.540	0.040	2.0	0.0063	0.0000	OK
120 minute winter	MH22	122	29.281	0.153	2.0	0.0000	0.0000	OK
120 minute winter	MH23	62	29.619	0.019	0.5	0.0031	0.0000	OK
120 minute winter	MH24	62	29.494	0.024	1.0	0.0038	0.0000	OK
120 minute winter	MH25	122	29.281	0.153	1.0	0.0000	0.0000	OK
120 minute winter	MH26	122	29.280	0.180	1.6	0.0511	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	MH1	1.000	MH2	0.8	0.455	0.128	0.0164	
120 minute winter	MH2	1.001	MH3	1.3	0.627	0.210	0.0238	
120 minute winter	MH3	Flow through Pond	MH10	2.9	0.042	0.000	17.8345	
120 minute winter	MH4	2.000	MH5	0.3	0.273	0.049	0.0086	
120 minute winter	MH5	2.001	MH6	1.0	0.350	0.166	0.0347	
120 minute winter	MH6	2.002	MH7	4.3	0.826	0.239	0.0405	
120 minute winter	MH7	Flow through Pond	MH10	2.9	0.042	0.000	17.8345	
120 minute winter	MH8	3.000	MH9	0.8	0.536	0.133	0.0169	
120 minute winter	MH9	Flow through Pond	MH10	2.9	0.042	0.000	17.8345	
120 minute winter	MH10	1.002	MH11	0.1	0.194	0.010	0.0160	
120 minute winter	MH11	1.003	MH12	0.2	0.507	0.016	0.0071	
120 minute winter	MH12	Weir		0.3				5.7
120 minute winter	MH13	4.000	MH14	0.8	0.526	0.132	0.0213	
120 minute winter	MH14	4.001	MH15	0.8	0.534	0.130	0.0058	
120 minute winter	MH15	Flow through Pond	MH19	1.4	0.026	0.000	7.3195	
120 minute winter	MH16	5.000	MH17	1.6	0.756	0.247	0.0203	
120 minute winter	MH17	5.001	MH18	1.9	0.856	0.072	0.0122	
120 minute winter	MH18	Flow through Pond	MH19	1.4	0.026	0.000	7.3195	
120 minute winter	MH19	4.002	MH11	0.1	0.190	0.006	0.0022	
120 minute winter	MH20	6.000	MH21	1.3	0.539	0.206	0.0226	
120 minute winter	MH21	6.001	MH22	2.0	0.700	0.322	0.0271	
120 minute winter	MH22	Flow through Pond	MH26	1.6	0.044	0.001	7.7502	
120 minute winter	MH23	7.000	MH24	0.5	0.400	0.081	0.0157	
120 minute winter	MH24	7.001	MH25	1.0	0.699	0.121	0.0054	
120 minute winter	MH25	Flow through Pond	MH26	1.6	0.044	0.001	7.7502	
120 minute winter	MH26	6.002	MH12	0.1	0.479	0.006	0.0006	

Results for 30 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 96.20%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	MH1	96	29.717	0.026	0.9	0.0000	0.0000	OK
180 minute summer	MH2	96	29.623	0.032	1.4	0.0000	0.0000	OK
180 minute summer	MH3	188	29.364	0.350	1.4	0.0000	0.0000	OK
180 minute summer	MH4	96	29.708	0.017	0.4	0.0000	0.0000	OK
180 minute summer	MH5	96	29.650	0.029	1.1	0.0000	0.0000	OK
180 minute summer	MH6	96	29.555	0.054	4.7	0.0086	0.0000	OK
180 minute summer	MH7	188	29.364	0.350	4.7	0.0000	0.0000	OK
180 minute summer	MH8	96	29.717	0.026	0.9	0.0000	0.0000	OK
180 minute summer	MH9	188	29.364	0.350	0.9	0.0000	0.0000	OK
180 minute summer	MH10	188	29.364	0.373	3.6	0.1055	0.0000	SURCHARGED
180 minute summer	MH11	188	28.866	0.016	0.2	0.0045	0.0000	OK
180 minute summer	MH12	188	28.763	0.003	0.3	0.0009	0.0000	OK
180 minute summer	MH13	96	29.626	0.026	0.9	0.0075	0.0000	OK
180 minute summer	MH14	96	29.487	0.026	0.9	0.0075	0.0000	OK
180 minute summer	MH15	188	29.299	0.164	0.9	0.0000	0.0000	OK
180 minute summer	MH16	96	29.637	0.037	1.8	0.0000	0.0000	OK
180 minute summer	MH17	96	29.520	0.030	2.2	0.0048	0.0000	OK
180 minute summer	MH18	188	29.299	0.164	2.2	0.0000	0.0000	OK
180 minute summer	MH19	188	29.299	0.179	1.5	0.0505	0.0000	SURCHARGED
180 minute summer	MH20	96	29.632	0.032	1.4	0.0000	0.0000	OK
180 minute summer	MH21	96	29.541	0.041	2.1	0.0065	0.0000	OK
180 minute summer	MH22	184	29.302	0.174	2.1	0.0000	0.0000	OK
180 minute summer	MH23	92	29.619	0.019	0.5	0.0031	0.0000	OK
180 minute summer	MH24	92	29.494	0.024	1.0	0.0038	0.0000	OK
180 minute summer	MH25	184	29.302	0.174	1.0	0.0000	0.0000	OK
180 minute summer	MH26	184	29.302	0.202	1.6	0.0571	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	MH1	1.000	MH2	0.9	0.479	0.144	0.0175	
180 minute summer	MH2	1.001	MH3	1.4	0.640	0.226	0.0251	
180 minute summer	MH3	Flow through Pond	MH10	3.2	0.046	0.000	19.5720	
180 minute summer	MH4	2.000	MH5	0.4	0.292	0.066	0.0096	
180 minute summer	MH5	2.001	MH6	1.1	0.360	0.182	0.0369	
180 minute summer	MH6	2.002	MH7	4.7	0.846	0.261	0.0433	
180 minute summer	MH7	Flow through Pond	MH10	3.2	0.046	0.000	19.5720	
180 minute summer	MH8	3.000	MH9	0.9	0.555	0.149	0.0183	
180 minute summer	MH9	Flow through Pond	MH10	3.2	0.046	0.000	19.5720	
180 minute summer	MH10	1.002	MH11	0.2	0.197	0.011	0.0165	
180 minute summer	MH11	1.003	MH12	0.2	0.513	0.017	0.0073	
180 minute summer	MH12	Weir		0.3				6.8
180 minute summer	MH13	4.000	MH14	0.9	0.544	0.149	0.0232	
180 minute summer	MH14	4.001	MH15	0.9	0.552	0.146	0.0063	
180 minute summer	MH15	Flow through Pond	MH19	1.5	0.016	0.001	7.9618	
180 minute summer	MH16	5.000	MH17	1.8	0.776	0.278	0.0222	
180 minute summer	MH17	5.001	MH18	2.2	0.894	0.084	0.0135	
180 minute summer	MH18	Flow through Pond	MH19	1.5	0.016	0.001	7.9618	
180 minute summer	MH19	4.002	MH11	0.1	0.192	0.006	0.0022	
180 minute summer	MH20	6.000	MH21	1.4	0.544	0.222	0.0236	
180 minute summer	MH21	6.001	MH22	2.1	0.709	0.338	0.0281	
180 minute summer	MH22	Flow through Pond	MH26	1.6	0.038	0.001	8.7459	
180 minute summer	MH23	7.000	MH24	0.5	0.400	0.081	0.0157	
180 minute summer	MH24	7.001	MH25	1.0	0.699	0.121	0.0054	
180 minute summer	MH25	Flow through Pond	MH26	1.6	0.038	0.001	8.7459	
180 minute summer	MH26	6.002	MH12	0.1	0.488	0.007	0.0006	

Results for 30 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 96.21%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	MH1	92	29.712	0.021	0.6	0.0000	0.0000	OK
180 minute winter	MH2	92	29.618	0.027	1.0	0.0000	0.0000	OK
180 minute winter	MH3	184	29.355	0.340	1.0	0.0000	0.0000	OK
180 minute winter	MH4	80	29.703	0.012	0.2	0.0000	0.0000	OK
180 minute winter	MH5	92	29.644	0.023	0.7	0.0000	0.0000	OK
180 minute winter	MH6	96	29.545	0.044	3.2	0.0070	0.0000	OK
180 minute winter	MH7	184	29.355	0.340	3.2	0.0000	0.0000	OK
180 minute winter	MH8	92	29.712	0.021	0.6	0.0000	0.0000	OK
180 minute winter	MH9	184	29.355	0.340	0.6	0.0000	0.0000	OK
180 minute winter	MH10	184	29.354	0.363	2.4	0.1028	0.0000	SURCHARGED
180 minute winter	MH11	184	28.866	0.016	0.2	0.0045	0.0000	OK
180 minute winter	MH12	184	28.763	0.003	0.3	0.0009	0.0000	OK
180 minute winter	MH13	92	29.622	0.022	0.6	0.0061	0.0000	OK
180 minute winter	MH14	92	29.482	0.022	0.6	0.0061	0.0000	OK
180 minute winter	MH15	184	29.294	0.159	0.6	0.0000	0.0000	OK
180 minute winter	MH16	92	29.630	0.030	1.2	0.0000	0.0000	OK
180 minute winter	MH17	92	29.514	0.024	1.4	0.0038	0.0000	OK
180 minute winter	MH18	184	29.294	0.159	1.4	0.0000	0.0000	OK
180 minute winter	MH19	184	29.294	0.174	1.0	0.0491	0.0000	SURCHARGED
180 minute winter	MH20	96	29.627	0.027	1.0	0.0000	0.0000	OK
180 minute winter	MH21	96	29.534	0.034	1.5	0.0054	0.0000	OK
180 minute winter	MH22	180	29.302	0.174	1.5	0.0000	0.0000	OK
180 minute winter	MH23	96	29.617	0.017	0.4	0.0027	0.0000	OK
180 minute winter	MH24	96	29.492	0.022	0.8	0.0034	0.0000	OK
180 minute winter	MH25	180	29.302	0.174	0.8	0.0000	0.0000	OK
180 minute winter	MH26	180	29.302	0.202	1.1	0.0571	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	MH1	1.000	MH2	0.6	0.415	0.096	0.0135	6.7
180 minute winter	MH2	1.001	MH3	1.0	0.582	0.162	0.0197	
180 minute winter	MH3	Flow through Pond	MH10	2.2	0.040	0.000	19.0556	
180 minute winter	MH4	2.000	MH5	0.2	0.247	0.033	0.0066	
180 minute winter	MH5	2.001	MH6	0.7	0.315	0.116	0.0279	
180 minute winter	MH6	2.002	MH7	3.2	0.762	0.178	0.0327	
180 minute winter	MH7	Flow through Pond	MH10	2.2	0.040	0.000	19.0556	
180 minute winter	MH8	3.000	MH9	0.6	0.494	0.099	0.0137	
180 minute winter	MH9	Flow through Pond	MH10	2.2	0.040	0.000	19.0556	
180 minute winter	MH10	1.002	MH11	0.2	0.196	0.010	0.0164	
180 minute winter	MH11	1.003	MH12	0.2	0.511	0.016	0.0072	
180 minute winter	MH12	Weir		0.3				
180 minute winter	MH13	4.000	MH14	0.6	0.486	0.099	0.0173	
180 minute winter	MH14	4.001	MH15	0.6	0.493	0.098	0.0047	
180 minute winter	MH15	Flow through Pond	MH19	1.0	0.015	0.000	7.7283	
180 minute winter	MH16	5.000	MH17	1.2	0.700	0.185	0.0165	
180 minute winter	MH17	5.001	MH18	1.4	0.785	0.053	0.0098	
180 minute winter	MH18	Flow through Pond	MH19	1.0	0.015	0.000	7.7283	
180 minute winter	MH19	4.002	MH11	0.1	0.191	0.006	0.0022	
180 minute winter	MH20	6.000	MH21	1.0	0.497	0.158	0.0185	
180 minute winter	MH21	6.001	MH22	1.5	0.647	0.242	0.0220	
180 minute winter	MH22	Flow through Pond	MH26	1.1	0.037	0.001	8.7342	
180 minute winter	MH23	7.000	MH24	0.4	0.375	0.065	0.0134	
180 minute winter	MH24	7.001	MH25	0.8	0.657	0.097	0.0046	
180 minute winter	MH25	Flow through Pond	MH26	1.1	0.037	0.001	8.7342	
180 minute winter	MH26	6.002	MH12	0.1	0.487	0.007	0.0006	

Results for 30 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 96.24%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	MH1	124	29.714	0.023	0.7	0.0000	0.0000	OK
240 minute summer	MH2	124	29.620	0.029	1.1	0.0000	0.0000	OK
240 minute summer	MH3	244	29.385	0.371	1.1	0.0000	0.0000	OK
240 minute summer	MH4	128	29.706	0.015	0.3	0.0000	0.0000	OK
240 minute summer	MH5	128	29.647	0.026	0.9	0.0000	0.0000	OK
240 minute summer	MH6	124	29.550	0.049	3.9	0.0077	0.0000	OK
240 minute summer	MH7	244	29.385	0.371	3.9	0.0000	0.0000	OK
240 minute summer	MH8	124	29.714	0.023	0.7	0.0000	0.0000	OK
240 minute summer	MH9	244	29.385	0.371	0.7	0.0000	0.0000	OK
240 minute summer	MH10	244	29.385	0.394	2.9	0.1115	0.0000	SURCHARGED
240 minute summer	MH11	248	28.866	0.016	0.2	0.0046	0.0000	OK
240 minute summer	MH12	248	28.763	0.003	0.3	0.0009	0.0000	OK
240 minute summer	MH13	124	29.623	0.023	0.7	0.0066	0.0000	OK
240 minute summer	MH14	124	29.483	0.023	0.7	0.0066	0.0000	OK
240 minute summer	MH15	248	29.304	0.169	0.7	0.0000	0.0000	OK
240 minute summer	MH16	124	29.634	0.034	1.5	0.0000	0.0000	OK
240 minute summer	MH17	124	29.517	0.027	1.8	0.0043	0.0000	OK
240 minute summer	MH18	248	29.304	0.169	1.8	0.0000	0.0000	OK
240 minute summer	MH19	248	29.304	0.184	1.2	0.0519	0.0000	SURCHARGED
240 minute summer	MH20	124	29.629	0.029	1.2	0.0000	0.0000	OK
240 minute summer	MH21	124	29.537	0.037	1.8	0.0059	0.0000	OK
240 minute summer	MH22	244	29.310	0.182	1.8	0.0000	0.0000	OK
240 minute summer	MH23	124	29.617	0.017	0.4	0.0027	0.0000	OK
240 minute summer	MH24	124	29.492	0.022	0.8	0.0034	0.0000	OK
240 minute summer	MH25	244	29.310	0.182	0.8	0.0000	0.0000	OK
240 minute summer	MH26	244	29.310	0.210	1.3	0.0595	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	MH1	1.000	MH2	0.7	0.444	0.112	0.0147	
240 minute summer	MH2	1.001	MH3	1.1	0.598	0.178	0.0211	
240 minute summer	MH3	Flow through Pond	MH10	2.6	0.024	0.000	20.7131	
240 minute summer	MH4	2.000	MH5	0.3	0.259	0.049	0.0082	
240 minute summer	MH5	2.001	MH6	0.9	0.346	0.149	0.0323	
240 minute summer	MH6	2.002	MH7	3.9	0.803	0.216	0.0377	
240 minute summer	MH7	Flow through Pond	MH10	2.6	0.024	0.000	20.7131	
240 minute summer	MH8	3.000	MH9	0.7	0.516	0.116	0.0153	
240 minute summer	MH9	Flow through Pond	MH10	2.6	0.024	0.000	20.7131	
240 minute summer	MH10	1.002	MH11	0.2	0.199	0.011	0.0168	
240 minute summer	MH11	1.003	MH12	0.2	0.517	0.017	0.0074	
240 minute summer	MH12	Weir		0.3				7.7
240 minute summer	MH13	4.000	MH14	0.7	0.507	0.116	0.0193	
240 minute summer	MH14	4.001	MH15	0.7	0.515	0.114	0.0052	
240 minute summer	MH15	Flow through Pond	MH19	1.2	0.008	0.000	8.1959	
240 minute summer	MH16	5.000	MH17	1.5	0.739	0.231	0.0194	
240 minute summer	MH17	5.001	MH18	1.8	0.842	0.068	0.0117	
240 minute summer	MH18	Flow through Pond	MH19	1.2	0.008	0.000	8.1959	
240 minute summer	MH19	4.002	MH11	0.1	0.192	0.006	0.0023	
240 minute summer	MH20	6.000	MH21	1.2	0.522	0.189	0.0210	
240 minute summer	MH21	6.001	MH22	1.8	0.679	0.288	0.0250	
240 minute summer	MH22	Flow through Pond	MH26	1.3	0.019	0.001	9.1290	
240 minute summer	MH23	7.000	MH24	0.4	0.375	0.065	0.0134	
240 minute summer	MH24	7.001	MH25	0.8	0.657	0.097	0.0046	
240 minute summer	MH25	Flow through Pond	MH26	1.3	0.019	0.001	9.1290	
240 minute summer	MH26	6.002	MH12	0.1	0.491	0.007	0.0006	

Results for 30 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 96.24%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	MH1	120	29.710	0.019	0.5	0.0000	0.0000	OK
240 minute winter	MH2	120	29.615	0.024	0.8	0.0000	0.0000	OK
240 minute winter	MH3	240	29.388	0.374	0.8	0.0000	0.0000	OK
240 minute winter	MH4	112	29.703	0.012	0.2	0.0000	0.0000	OK
240 minute winter	MH5	116	29.642	0.021	0.6	0.0000	0.0000	OK
240 minute winter	MH6	124	29.540	0.039	2.6	0.0063	0.0000	OK
240 minute winter	MH7	240	29.388	0.374	2.6	0.0000	0.0000	OK
240 minute winter	MH8	116	29.710	0.019	0.5	0.0000	0.0000	OK
240 minute winter	MH9	240	29.388	0.374	0.5	0.0000	0.0000	OK
240 minute winter	MH10	240	29.388	0.397	2.0	0.1124	0.0000	SURCHARGED
240 minute winter	MH11	244	28.866	0.016	0.2	0.0046	0.0000	OK
240 minute winter	MH12	244	28.763	0.003	0.3	0.0009	0.0000	OK
240 minute winter	MH13	120	29.620	0.020	0.5	0.0056	0.0000	OK
240 minute winter	MH14	116	29.480	0.020	0.5	0.0056	0.0000	OK
240 minute winter	MH15	244	29.310	0.175	0.5	0.0000	0.0000	OK
240 minute winter	MH16	120	29.628	0.028	1.0	0.0000	0.0000	OK
240 minute winter	MH17	120	29.512	0.022	1.2	0.0035	0.0000	OK
240 minute winter	MH18	244	29.310	0.175	1.2	0.0000	0.0000	OK
240 minute winter	MH19	244	29.310	0.190	0.9	0.0537	0.0000	SURCHARGED
240 minute winter	MH20	120	29.624	0.024	0.8	0.0000	0.0000	OK
240 minute winter	MH21	120	29.530	0.030	1.2	0.0048	0.0000	OK
240 minute winter	MH22	236	29.315	0.187	1.2	0.0000	0.0000	OK
240 minute winter	MH23	116	29.615	0.015	0.3	0.0024	0.0000	OK
240 minute winter	MH24	116	29.489	0.019	0.6	0.0030	0.0000	OK
240 minute winter	MH25	236	29.315	0.187	0.6	0.0000	0.0000	OK
240 minute winter	MH26	236	29.315	0.215	0.9	0.0608	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	MH1	1.000	MH2	0.5	0.400	0.080	0.0117	
240 minute winter	MH2	1.001	MH3	0.8	0.546	0.129	0.0168	
240 minute winter	MH3	Flow through Pond	MH10	1.8	0.027	0.000	20.8755	
240 minute winter	MH4	2.000	MH5	0.2	0.249	0.033	0.0062	
240 minute winter	MH5	2.001	MH6	0.6	0.311	0.099	0.0244	
240 minute winter	MH6	2.002	MH7	2.6	0.719	0.144	0.0282	
240 minute winter	MH7	Flow through Pond	MH10	1.8	0.027	0.000	20.8755	
240 minute winter	MH8	3.000	MH9	0.5	0.468	0.083	0.0121	
240 minute winter	MH9	Flow through Pond	MH10	1.8	0.027	0.000	20.8755	
240 minute winter	MH10	1.002	MH11	0.2	0.199	0.011	0.0169	
240 minute winter	MH11	1.003	MH12	0.2	0.518	0.017	0.0075	
240 minute winter	MH12	Weir		0.3				7.8
240 minute winter	MH13	4.000	MH14	0.5	0.462	0.083	0.0152	
240 minute winter	MH14	4.001	MH15	0.5	0.468	0.081	0.0041	
240 minute winter	MH15	Flow through Pond	MH19	0.9	0.013	0.000	8.4849	
240 minute winter	MH16	5.000	MH17	1.0	0.659	0.154	0.0146	
240 minute winter	MH17	5.001	MH18	1.2	0.750	0.046	0.0088	
240 minute winter	MH18	Flow through Pond	MH19	0.9	0.013	0.000	8.4849	
240 minute winter	MH19	4.002	MH11	0.1	0.194	0.006	0.0023	
240 minute winter	MH20	6.000	MH21	0.8	0.467	0.127	0.0157	
240 minute winter	MH21	6.001	MH22	1.2	0.609	0.193	0.0187	
240 minute winter	MH22	Flow through Pond	MH26	0.9	0.026	0.001	9.3521	
240 minute winter	MH23	7.000	MH24	0.3	0.346	0.049	0.0109	
240 minute winter	MH24	7.001	MH25	0.6	0.604	0.073	0.0038	
240 minute winter	MH25	Flow through Pond	MH26	0.9	0.026	0.001	9.3521	
240 minute winter	MH26	6.002	MH12	0.1	0.492	0.007	0.0007	

Results for 30 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 96.35%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	MH1	184	29.712	0.021	0.6	0.0000	0.0000	OK
360 minute summer	MH2	184	29.617	0.026	0.9	0.0000	0.0000	OK
360 minute summer	MH3	360	29.401	0.387	0.9	0.0000	0.0000	OK
360 minute summer	MH4	176	29.703	0.012	0.2	0.0000	0.0000	OK
360 minute summer	MH5	184	29.642	0.021	0.6	0.0000	0.0000	OK
360 minute summer	MH6	184	29.542	0.041	2.8	0.0065	0.0000	OK
360 minute summer	MH7	360	29.401	0.387	2.8	0.0000	0.0000	OK
360 minute summer	MH8	184	29.712	0.021	0.6	0.0000	0.0000	OK
360 minute summer	MH9	360	29.401	0.387	0.6	0.0000	0.0000	OK
360 minute summer	MH10	360	29.401	0.410	2.2	0.1160	0.0000	SURCHARGED
360 minute summer	MH11	360	28.866	0.016	0.3	0.0046	0.0000	OK
360 minute summer	MH12	360	28.763	0.003	0.3	0.0009	0.0000	OK
360 minute summer	MH13	184	29.621	0.021	0.6	0.0061	0.0000	OK
360 minute summer	MH14	184	29.481	0.021	0.6	0.0061	0.0000	OK
360 minute summer	MH15	360	29.319	0.183	0.6	0.0000	0.0000	OK
360 minute summer	MH16	184	29.629	0.029	1.1	0.0000	0.0000	OK
360 minute summer	MH17	184	29.513	0.023	1.3	0.0037	0.0000	OK
360 minute summer	MH18	360	29.319	0.183	1.3	0.0000	0.0000	OK
360 minute summer	MH19	360	29.318	0.198	0.9	0.0561	0.0000	SURCHARGED
360 minute summer	MH20	184	29.625	0.025	0.9	0.0000	0.0000	OK
360 minute summer	MH21	184	29.531	0.031	1.3	0.0050	0.0000	OK
360 minute summer	MH22	360	29.305	0.177	1.3	0.0000	0.0000	OK
360 minute summer	MH23	184	29.615	0.015	0.3	0.0024	0.0000	OK
360 minute summer	MH24	184	29.489	0.019	0.6	0.0030	0.0000	OK
360 minute summer	MH25	360	29.305	0.177	0.6	0.0000	0.0000	OK
360 minute summer	MH26	360	29.305	0.205	1.0	0.0580	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	MH1	1.000	MH2	0.6	0.432	0.095	0.0129	9.4
360 minute summer	MH2	1.001	MH3	0.9	0.563	0.144	0.0182	
360 minute summer	MH3	Flow through Pond	MH10	2.0	0.018	0.000	21.5734	
360 minute summer	MH4	2.000	MH5	0.2	0.248	0.033	0.0062	
360 minute summer	MH5	2.001	MH6	0.6	0.305	0.099	0.0253	
360 minute summer	MH6	2.002	MH7	2.8	0.733	0.155	0.0296	
360 minute summer	MH7	Flow through Pond	MH10	2.0	0.018	0.000	21.5734	
360 minute summer	MH8	3.000	MH9	0.6	0.493	0.099	0.0137	
360 minute summer	MH9	Flow through Pond	MH10	2.0	0.018	0.000	21.5734	
360 minute summer	MH10	1.002	MH11	0.2	0.199	0.011	0.0171	
360 minute summer	MH11	1.003	MH12	0.3	0.522	0.017	0.0076	
360 minute summer	MH12	Weir		0.3				
360 minute summer	MH13	4.000	MH14	0.6	0.486	0.099	0.0172	
360 minute summer	MH14	4.001	MH15	0.6	0.491	0.096	0.0047	
360 minute summer	MH15	Flow through Pond	MH19	0.9	0.009	0.000	8.8833	
360 minute summer	MH16	5.000	MH17	1.1	0.680	0.169	0.0155	
360 minute summer	MH17	5.001	MH18	1.3	0.767	0.049	0.0093	
360 minute summer	MH18	Flow through Pond	MH19	0.9	0.009	0.000	8.8833	
360 minute summer	MH19	4.002	MH11	0.1	0.196	0.006	0.0023	
360 minute summer	MH20	6.000	MH21	0.9	0.490	0.142	0.0168	
360 minute summer	MH21	6.001	MH22	1.3	0.621	0.208	0.0197	
360 minute summer	MH22	Flow through Pond	MH26	1.0	0.009	0.001	8.8846	
360 minute summer	MH23	7.000	MH24	0.3	0.346	0.049	0.0109	
360 minute summer	MH24	7.001	MH25	0.6	0.604	0.073	0.0038	
360 minute summer	MH25	Flow through Pond	MH26	1.0	0.009	0.001	8.8846	
360 minute summer	MH26	6.002	MH12	0.1	0.489	0.007	0.0006	

Results for 30 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 96.35%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	MH1	184	29.708	0.017	0.4	0.0000	0.0000	OK
360 minute winter	MH2	184	29.612	0.021	0.6	0.0000	0.0000	OK
360 minute winter	MH3	352	29.403	0.389	0.6	0.0000	0.0000	OK
360 minute winter	MH4	128	29.700	0.009	0.1	0.0000	0.0000	OK
360 minute winter	MH5	176	29.638	0.017	0.4	0.0000	0.0000	OK
360 minute winter	MH6	184	29.534	0.033	1.9	0.0053	0.0000	OK
360 minute winter	MH7	352	29.403	0.389	1.9	0.0000	0.0000	OK
360 minute winter	MH8	184	29.708	0.017	0.4	0.0000	0.0000	OK
360 minute winter	MH9	352	29.403	0.389	0.4	0.0000	0.0000	OK
360 minute winter	MH10	352	29.403	0.412	1.5	0.1165	0.0000	SURCHARGED
360 minute winter	MH11	352	28.866	0.016	0.3	0.0046	0.0000	OK
360 minute winter	MH12	352	28.763	0.003	0.3	0.0009	0.0000	OK
360 minute winter	MH13	184	29.618	0.018	0.4	0.0050	0.0000	OK
360 minute winter	MH14	184	29.478	0.018	0.4	0.0050	0.0000	OK
360 minute winter	MH15	352	29.315	0.180	0.4	0.0000	0.0000	OK
360 minute winter	MH16	176	29.623	0.023	0.7	0.0000	0.0000	OK
360 minute winter	MH17	176	29.508	0.018	0.8	0.0029	0.0000	OK
360 minute winter	MH18	352	29.315	0.180	0.8	0.0000	0.0000	OK
360 minute winter	MH19	352	29.315	0.195	0.6	0.0551	0.0000	SURCHARGED
360 minute winter	MH20	184	29.621	0.021	0.6	0.0000	0.0000	OK
360 minute winter	MH21	184	29.526	0.026	0.9	0.0041	0.0000	OK
360 minute winter	MH22	352	29.308	0.180	0.9	0.0000	0.0000	OK
360 minute winter	MH23	160	29.612	0.012	0.2	0.0020	0.0000	OK
360 minute winter	MH24	160	29.485	0.015	0.4	0.0024	0.0000	OK
360 minute winter	MH25	352	29.308	0.180	0.4	0.0000	0.0000	OK
360 minute winter	MH26	352	29.308	0.208	0.7	0.0588	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	MH1	1.000	MH2	0.4	0.384	0.064	0.0097	
360 minute winter	MH2	1.001	MH3	0.6	0.502	0.097	0.0137	
360 minute winter	MH3	Flow through Pond	MH10	1.4	0.016	0.000	21.6696	
360 minute winter	MH4	2.000	MH5	0.1	0.223	0.016	0.0044	
360 minute winter	MH5	2.001	MH6	0.4	0.269	0.066	0.0192	
360 minute winter	MH6	2.002	MH7	1.9	0.658	0.105	0.0224	
360 minute winter	MH7	Flow through Pond	MH10	1.4	0.016	0.000	21.6696	
360 minute winter	MH8	3.000	MH9	0.4	0.438	0.066	0.0103	
360 minute winter	MH9	Flow through Pond	MH10	1.4	0.016	0.000	21.6696	
360 minute winter	MH10	1.002	MH11	0.2	0.200	0.011	0.0171	
360 minute winter	MH11	1.003	MH12	0.3	0.521	0.017	0.0075	
360 minute winter	MH12	Weir		0.3				9.4
360 minute winter	MH13	4.000	MH14	0.4	0.433	0.066	0.0129	
360 minute winter	MH14	4.001	MH15	0.4	0.438	0.065	0.0035	
360 minute winter	MH15	Flow through Pond	MH19	0.6	0.010	0.000	8.7213	
360 minute winter	MH16	5.000	MH17	0.7	0.601	0.108	0.0112	
360 minute winter	MH17	5.001	MH18	0.8	0.665	0.030	0.0066	
360 minute winter	MH18	Flow through Pond	MH19	0.6	0.010	0.000	8.7213	
360 minute winter	MH19	4.002	MH11	0.1	0.195	0.006	0.0023	
360 minute winter	MH20	6.000	MH21	0.6	0.431	0.095	0.0128	
360 minute winter	MH21	6.001	MH22	0.9	0.561	0.145	0.0152	
360 minute winter	MH22	Flow through Pond	MH26	0.7	0.015	0.000	9.0154	
360 minute winter	MH23	7.000	MH24	0.2	0.307	0.032	0.0082	
360 minute winter	MH24	7.001	MH25	0.4	0.538	0.049	0.0028	
360 minute winter	MH25	Flow through Pond	MH26	0.7	0.015	0.000	9.0154	
360 minute winter	MH26	6.002	MH12	0.1	0.490	0.007	0.0006	

Results for 30 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 96.48%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	MH1	240	29.708	0.017	0.4	0.0000	0.0000	OK
480 minute summer	MH2	248	29.614	0.023	0.7	0.0000	0.0000	OK
480 minute summer	MH3	472	29.396	0.382	0.7	0.0000	0.0000	OK
480 minute summer	MH4	240	29.703	0.012	0.2	0.0000	0.0000	OK
480 minute summer	MH5	240	29.640	0.019	0.5	0.0000	0.0000	OK
480 minute summer	MH6	248	29.537	0.036	2.2	0.0057	0.0000	OK
480 minute summer	MH7	472	29.396	0.382	2.2	0.0000	0.0000	OK
480 minute summer	MH8	240	29.708	0.017	0.4	0.0000	0.0000	OK
480 minute summer	MH9	472	29.396	0.382	0.4	0.0000	0.0000	OK
480 minute summer	MH10	472	29.396	0.404	1.7	0.1145	0.0000	SURCHARGED
480 minute summer	MH11	480	28.866	0.016	0.2	0.0046	0.0000	OK
480 minute summer	MH12	480	28.763	0.003	0.3	0.0009	0.0000	OK
480 minute summer	MH13	240	29.618	0.018	0.4	0.0050	0.0000	OK
480 minute summer	MH14	240	29.478	0.018	0.4	0.0050	0.0000	OK
480 minute summer	MH15	480	29.315	0.180	0.4	0.0000	0.0000	OK
480 minute summer	MH16	248	29.626	0.026	0.9	0.0000	0.0000	OK
480 minute summer	MH17	248	29.511	0.021	1.1	0.0034	0.0000	OK
480 minute summer	MH18	480	29.315	0.180	1.1	0.0000	0.0000	OK
480 minute summer	MH19	480	29.315	0.195	0.8	0.0552	0.0000	SURCHARGED
480 minute summer	MH20	248	29.622	0.022	0.7	0.0000	0.0000	OK
480 minute summer	MH21	248	29.527	0.027	1.0	0.0044	0.0000	OK
480 minute summer	MH22	480	29.303	0.175	1.0	0.0000	0.0000	OK
480 minute summer	MH23	248	29.615	0.015	0.3	0.0024	0.0000	OK
480 minute summer	MH24	248	29.489	0.019	0.6	0.0030	0.0000	OK
480 minute summer	MH25	480	29.303	0.175	0.6	0.0000	0.0000	OK
480 minute summer	MH26	480	29.303	0.203	0.8	0.0574	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	MH1	1.000	MH2	0.4	0.384	0.064	0.0104	10.9
480 minute summer	MH2	1.001	MH3	0.7	0.525	0.113	0.0153	
480 minute summer	MH3	Flow through Pond	MH10	1.5	0.010	0.000	21.2806	
480 minute summer	MH4	2.000	MH5	0.2	0.249	0.033	0.0056	
480 minute summer	MH5	2.001	MH6	0.5	0.295	0.083	0.0216	
480 minute summer	MH6	2.002	MH7	2.2	0.686	0.122	0.0250	
480 minute summer	MH7	Flow through Pond	MH10	1.5	0.010	0.000	21.2806	
480 minute summer	MH8	3.000	MH9	0.4	0.438	0.066	0.0103	
480 minute summer	MH9	Flow through Pond	MH10	1.5	0.010	0.000	21.2806	
480 minute summer	MH10	1.002	MH11	0.2	0.199	0.011	0.0170	
480 minute summer	MH11	1.003	MH12	0.2	0.520	0.017	0.0075	
480 minute summer	MH12	Weir		0.3				
480 minute summer	MH13	4.000	MH14	0.4	0.433	0.066	0.0129	
480 minute summer	MH14	4.001	MH15	0.4	0.438	0.065	0.0035	
480 minute summer	MH15	Flow through Pond	MH19	0.8	0.005	0.000	8.7264	
480 minute summer	MH16	5.000	MH17	0.9	0.636	0.139	0.0136	
480 minute summer	MH17	5.001	MH18	1.1	0.731	0.042	0.0083	
480 minute summer	MH18	Flow through Pond	MH19	0.8	0.005	0.000	8.7264	
480 minute summer	MH19	4.002	MH11	0.1	0.195	0.006	0.0023	
480 minute summer	MH20	6.000	MH21	0.7	0.459	0.111	0.0140	
480 minute summer	MH21	6.001	MH22	1.0	0.578	0.161	0.0164	
480 minute summer	MH22	Flow through Pond	MH26	0.8	0.009	0.001	8.7833	
480 minute summer	MH23	7.000	MH24	0.3	0.346	0.049	0.0109	
480 minute summer	MH24	7.001	MH25	0.6	0.604	0.073	0.0038	
480 minute summer	MH25	Flow through Pond	MH26	0.8	0.009	0.001	8.7833	
480 minute summer	MH26	6.002	MH12	0.1	0.488	0.007	0.0006	

Results for 30 year 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 96.46%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	MH1	224	29.706	0.015	0.3	0.0000	0.0000	OK
480 minute winter	MH2	224	29.610	0.019	0.5	0.0000	0.0000	OK
480 minute winter	MH3	456	29.411	0.397	0.5	0.0000	0.0000	OK
480 minute winter	MH4	176	29.700	0.009	0.1	0.0000	0.0000	OK
480 minute winter	MH5	200	29.636	0.015	0.3	0.0000	0.0000	OK
480 minute winter	MH6	248	29.531	0.030	1.5	0.0047	0.0000	OK
480 minute winter	MH7	456	29.411	0.397	1.5	0.0000	0.0000	OK
480 minute winter	MH8	224	29.706	0.015	0.3	0.0000	0.0000	OK
480 minute winter	MH9	456	29.411	0.397	0.3	0.0000	0.0000	OK
480 minute winter	MH10	456	29.411	0.420	1.2	0.1188	0.0000	SURCHARGED
480 minute winter	MH11	464	28.866	0.016	0.3	0.0047	0.0000	OK
480 minute winter	MH12	464	28.763	0.003	0.3	0.0009	0.0000	OK
480 minute winter	MH13	224	29.615	0.015	0.3	0.0043	0.0000	OK
480 minute winter	MH14	224	29.475	0.015	0.3	0.0043	0.0000	OK
480 minute winter	MH15	464	29.325	0.189	0.3	0.0000	0.0000	OK
480 minute winter	MH16	240	29.621	0.021	0.6	0.0000	0.0000	OK
480 minute winter	MH17	240	29.507	0.017	0.7	0.0027	0.0000	OK
480 minute winter	MH18	464	29.325	0.189	0.7	0.0000	0.0000	OK
480 minute winter	MH19	464	29.324	0.204	0.5	0.0578	0.0000	SURCHARGED
480 minute winter	MH20	248	29.619	0.019	0.5	0.0000	0.0000	OK
480 minute winter	MH21	248	29.523	0.023	0.7	0.0036	0.0000	OK
480 minute winter	MH22	464	29.309	0.181	0.7	0.0000	0.0000	OK
480 minute winter	MH23	224	29.612	0.012	0.2	0.0020	0.0000	OK
480 minute winter	MH24	224	29.485	0.015	0.4	0.0024	0.0000	OK
480 minute winter	MH25	464	29.309	0.181	0.4	0.0000	0.0000	OK
480 minute winter	MH26	464	29.309	0.209	0.6	0.0591	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	MH1	1.000	MH2	0.3	0.339	0.048	0.0083	11.1
480 minute winter	MH2	1.001	MH3	0.5	0.476	0.081	0.0120	
480 minute winter	MH3	Flow through Pond	MH10	1.1	0.011	0.000	22.1161	
480 minute winter	MH4	2.000	MH5	0.1	0.223	0.016	0.0038	
480 minute winter	MH5	2.001	MH6	0.3	0.263	0.050	0.0161	
480 minute winter	MH6	2.002	MH7	1.5	0.615	0.083	0.0190	
480 minute winter	MH7	Flow through Pond	MH10	1.1	0.011	0.000	22.1161	
480 minute winter	MH8	3.000	MH9	0.3	0.402	0.050	0.0084	
480 minute winter	MH9	Flow through Pond	MH10	1.1	0.011	0.000	22.1161	
480 minute winter	MH10	1.002	MH11	0.2	0.200	0.011	0.0173	
480 minute winter	MH11	1.003	MH12	0.3	0.524	0.018	0.0076	
480 minute winter	MH12	Weir		0.3				
480 minute winter	MH13	4.000	MH14	0.3	0.399	0.050	0.0105	
480 minute winter	MH14	4.001	MH15	0.3	0.403	0.049	0.0029	
480 minute winter	MH15	Flow through Pond	MH19	0.5	0.005	0.000	9.1612	
480 minute winter	MH16	5.000	MH17	0.6	0.571	0.093	0.0101	
480 minute winter	MH17	5.001	MH18	0.7	0.639	0.027	0.0060	
480 minute winter	MH18	Flow through Pond	MH19	0.5	0.005	0.000	9.1612	
480 minute winter	MH19	4.002	MH11	0.1	0.197	0.006	0.0024	
480 minute winter	MH20	6.000	MH21	0.5	0.420	0.079	0.0109	
480 minute winter	MH21	6.001	MH22	0.7	0.523	0.113	0.0127	
480 minute winter	MH22	Flow through Pond	MH26	0.6	0.008	0.000	9.0655	
480 minute winter	MH23	7.000	MH24	0.2	0.307	0.032	0.0082	
480 minute winter	MH24	7.001	MH25	0.4	0.538	0.049	0.0028	
480 minute winter	MH25	Flow through Pond	MH26	0.6	0.008	0.000	9.0655	
480 minute winter	MH26	6.002	MH12	0.1	0.490	0.007	0.0006	

Results for 30 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 96.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	MH1	300	29.706	0.015	0.3	0.0000	0.0000	OK
600 minute summer	MH2	300	29.610	0.019	0.5	0.0000	0.0000	OK
600 minute summer	MH3	510	29.373	0.359	0.5	0.0000	0.0000	OK
600 minute summer	MH4	255	29.700	0.009	0.1	0.0000	0.0000	OK
600 minute summer	MH5	315	29.638	0.017	0.4	0.0000	0.0000	OK
600 minute summer	MH6	315	29.534	0.033	1.8	0.0052	0.0000	OK
600 minute summer	MH7	525	29.373	0.359	1.8	0.0000	0.0000	OK
600 minute summer	MH8	300	29.706	0.015	0.3	0.0000	0.0000	OK
600 minute summer	MH9	510	29.373	0.359	0.3	0.0000	0.0000	OK
600 minute summer	MH10	510	29.373	0.382	1.3	0.1081	0.0000	SURCHARGED
600 minute summer	MH11	525	28.866	0.016	0.2	0.0046	0.0000	OK
600 minute summer	MH12	525	28.763	0.003	0.3	0.0009	0.0000	OK
600 minute summer	MH13	300	29.615	0.015	0.3	0.0043	0.0000	OK
600 minute summer	MH14	300	29.475	0.015	0.3	0.0043	0.0000	OK
600 minute summer	MH15	600	29.312	0.177	0.3	0.0000	0.0000	OK
600 minute summer	MH16	315	29.623	0.023	0.7	0.0000	0.0000	OK
600 minute summer	MH17	315	29.508	0.018	0.8	0.0029	0.0000	OK
600 minute summer	MH18	600	29.312	0.177	0.8	0.0000	0.0000	OK
600 minute summer	MH19	600	29.312	0.192	0.6	0.0544	0.0000	SURCHARGED
600 minute summer	MH20	315	29.621	0.021	0.6	0.0000	0.0000	OK
600 minute summer	MH21	315	29.526	0.026	0.9	0.0041	0.0000	OK
600 minute summer	MH22	585	29.301	0.172	0.9	0.0000	0.0000	OK
600 minute summer	MH23	300	29.612	0.012	0.2	0.0020	0.0000	OK
600 minute summer	MH24	300	29.485	0.015	0.4	0.0024	0.0000	OK
600 minute summer	MH25	585	29.301	0.172	0.4	0.0000	0.0000	OK
600 minute summer	MH26	585	29.300	0.200	0.7	0.0567	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	MH1	1.000	MH2	0.3	0.339	0.048	0.0083	
600 minute summer	MH2	1.001	MH3	0.5	0.476	0.081	0.0120	
600 minute summer	MH3	Flow through Pond	MH10	1.2	0.005	0.000	20.0622	
600 minute summer	MH4	2.000	MH5	0.1	0.223	0.016	0.0044	
600 minute summer	MH5	2.001	MH6	0.4	0.262	0.066	0.0187	
600 minute summer	MH6	2.002	MH7	1.8	0.648	0.100	0.0216	
600 minute summer	MH7	Flow through Pond	MH10	1.2	0.005	0.000	20.0622	
600 minute summer	MH8	3.000	MH9	0.3	0.402	0.050	0.0084	
600 minute summer	MH9	Flow through Pond	MH10	1.2	0.005	0.000	20.0622	
600 minute summer	MH10	1.002	MH11	0.2	0.197	0.011	0.0167	
600 minute summer	MH11	1.003	MH12	0.2	0.517	0.017	0.0074	
600 minute summer	MH12	Weir		0.3				12.2
600 minute summer	MH13	4.000	MH14	0.3	0.399	0.050	0.0105	
600 minute summer	MH14	4.001	MH15	0.3	0.403	0.049	0.0029	
600 minute summer	MH15	Flow through Pond	MH19	0.6	0.005	0.000	8.5968	
600 minute summer	MH16	5.000	MH17	0.7	0.601	0.108	0.0112	
600 minute summer	MH17	5.001	MH18	0.8	0.665	0.030	0.0066	
600 minute summer	MH18	Flow through Pond	MH19	0.6	0.005	0.000	8.5968	
600 minute summer	MH19	4.002	MH11	0.1	0.196	0.006	0.0023	
600 minute summer	MH20	6.000	MH21	0.6	0.431	0.095	0.0128	
600 minute summer	MH21	6.001	MH22	0.9	0.561	0.145	0.0152	
600 minute summer	MH22	Flow through Pond	MH26	0.7	0.007	0.000	8.6791	
600 minute summer	MH23	7.000	MH24	0.2	0.307	0.032	0.0082	
600 minute summer	MH24	7.001	MH25	0.4	0.538	0.049	0.0028	
600 minute summer	MH25	Flow through Pond	MH26	0.7	0.007	0.000	8.6791	
600 minute summer	MH26	6.002	MH12	0.1	0.487	0.007	0.0006	

Results for 30 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 96.61%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	MH1	255	29.703	0.012	0.2	0.0000	0.0000	OK
600 minute winter	MH2	255	29.606	0.015	0.3	0.0000	0.0000	OK
600 minute winter	MH3	555	29.390	0.376	0.3	0.0000	0.0000	OK
600 minute winter	MH4	240	29.700	0.009	0.1	0.0000	0.0000	OK
600 minute winter	MH5	285	29.636	0.015	0.3	0.0000	0.0000	OK
600 minute winter	MH6	315	29.529	0.028	1.3	0.0044	0.0000	OK
600 minute winter	MH7	555	29.390	0.376	1.3	0.0000	0.0000	OK
600 minute winter	MH8	255	29.704	0.012	0.2	0.0000	0.0000	OK
600 minute winter	MH9	555	29.390	0.376	0.2	0.0000	0.0000	OK
600 minute winter	MH10	555	29.390	0.399	1.0	0.1128	0.0000	SURCHARGED
600 minute winter	MH11	570	28.866	0.016	0.2	0.0046	0.0000	OK
600 minute winter	MH12	570	28.763	0.003	0.3	0.0009	0.0000	OK
600 minute winter	MH13	255	29.613	0.013	0.2	0.0036	0.0000	OK
600 minute winter	MH14	255	29.473	0.013	0.2	0.0035	0.0000	OK
600 minute winter	MH15	585	29.315	0.180	0.2	0.0000	0.0000	OK
600 minute winter	MH16	300	29.619	0.019	0.5	0.0000	0.0000	OK
600 minute winter	MH17	300	29.506	0.016	0.6	0.0025	0.0000	OK
600 minute winter	MH18	585	29.315	0.180	0.6	0.0000	0.0000	OK
600 minute winter	MH19	585	29.315	0.195	0.4	0.0551	0.0000	SURCHARGED
600 minute winter	MH20	300	29.617	0.017	0.4	0.0000	0.0000	OK
600 minute winter	MH21	300	29.521	0.021	0.6	0.0034	0.0000	OK
600 minute winter	MH22	570	29.302	0.174	0.6	0.0000	0.0000	OK
600 minute winter	MH23	210	29.609	0.009	0.1	0.0014	0.0000	OK
600 minute winter	MH24	210	29.481	0.011	0.2	0.0017	0.0000	OK
600 minute winter	MH25	570	29.302	0.174	0.2	0.0000	0.0000	OK
600 minute winter	MH26	570	29.302	0.202	0.4	0.0573	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	MH1	1.000	MH2	0.2	0.313	0.032	0.0060	
600 minute winter	MH2	1.001	MH3	0.3	0.409	0.049	0.0084	
600 minute winter	MH3	Flow through Pond	MH10	0.9	0.009	0.000	20.9636	
600 minute winter	MH4	2.000	MH5	0.1	0.223	0.016	0.0038	
600 minute winter	MH5	2.001	MH6	0.3	0.263	0.050	0.0150	
600 minute winter	MH6	2.002	MH7	1.3	0.590	0.072	0.0172	
600 minute winter	MH7	Flow through Pond	MH10	0.9	0.009	0.000	20.9636	
600 minute winter	MH8	3.000	MH9	0.2	0.356	0.033	0.0064	
600 minute winter	MH9	Flow through Pond	MH10	0.9	0.009	0.000	20.9636	
600 minute winter	MH10	1.002	MH11	0.2	0.198	0.011	0.0169	
600 minute winter	MH11	1.003	MH12	0.2	0.519	0.017	0.0075	
600 minute winter	MH12	Weir		0.3				12.3
600 minute winter	MH13	4.000	MH14	0.2	0.354	0.033	0.0079	
600 minute winter	MH14	4.001	MH15	0.2	0.357	0.033	0.0022	
600 minute winter	MH15	Flow through Pond	MH19	0.4	0.004	0.000	8.7093	
600 minute winter	MH16	5.000	MH17	0.5	0.538	0.077	0.0089	
600 minute winter	MH17	5.001	MH18	0.6	0.610	0.023	0.0054	
600 minute winter	MH18	Flow through Pond	MH19	0.4	0.004	0.000	8.7093	
600 minute winter	MH19	4.002	MH11	0.1	0.196	0.006	0.0023	
600 minute winter	MH20	6.000	MH21	0.4	0.383	0.063	0.0096	
600 minute winter	MH21	6.001	MH22	0.6	0.500	0.097	0.0114	
600 minute winter	MH22	Flow through Pond	MH26	0.4	0.007	0.000	8.7660	
600 minute winter	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
600 minute winter	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
600 minute winter	MH25	Flow through Pond	MH26	0.4	0.007	0.000	8.7660	
600 minute winter	MH26	6.002	MH12	0.1	0.488	0.007	0.0006	

Results for 30 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 96.74%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	MH1	360	29.706	0.015	0.3	0.0000	0.0000	OK
720 minute summer	MH2	360	29.610	0.019	0.5	0.0000	0.0000	OK
720 minute summer	MH3	570	29.377	0.362	0.5	0.0000	0.0000	OK
720 minute summer	MH4	315	29.700	0.009	0.1	0.0000	0.0000	OK
720 minute summer	MH5	345	29.636	0.015	0.3	0.0000	0.0000	OK
720 minute summer	MH6	375	29.531	0.030	1.5	0.0047	0.0000	OK
720 minute summer	MH7	570	29.377	0.363	1.5	0.0000	0.0000	OK
720 minute summer	MH8	360	29.706	0.015	0.3	0.0000	0.0000	OK
720 minute summer	MH9	570	29.377	0.362	0.3	0.0000	0.0000	OK
720 minute summer	MH10	570	29.376	0.385	1.2	0.1091	0.0000	SURCHARGED
720 minute summer	MH11	585	28.866	0.016	0.2	0.0046	0.0000	OK
720 minute summer	MH12	585	28.763	0.003	0.3	0.0009	0.0000	OK
720 minute summer	MH13	360	29.615	0.015	0.3	0.0043	0.0000	OK
720 minute summer	MH14	360	29.475	0.015	0.3	0.0043	0.0000	OK
720 minute summer	MH15	720	29.307	0.172	0.3	0.0000	0.0000	OK
720 minute summer	MH16	375	29.621	0.021	0.6	0.0000	0.0000	OK
720 minute summer	MH17	375	29.507	0.017	0.7	0.0027	0.0000	OK
720 minute summer	MH18	720	29.307	0.172	0.7	0.0000	0.0000	OK
720 minute summer	MH19	720	29.307	0.187	0.5	0.0530	0.0000	SURCHARGED
720 minute summer	MH20	375	29.619	0.019	0.5	0.0000	0.0000	OK
720 minute summer	MH21	375	29.523	0.023	0.7	0.0036	0.0000	OK
720 minute summer	MH22	630	29.299	0.171	0.7	0.0000	0.0000	OK
720 minute summer	MH23	360	29.612	0.012	0.2	0.0020	0.0000	OK
720 minute summer	MH24	360	29.485	0.015	0.4	0.0024	0.0000	OK
720 minute summer	MH25	630	29.299	0.171	0.4	0.0000	0.0000	OK
720 minute summer	MH26	630	29.299	0.199	0.6	0.0564	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	MH1	1.000	MH2	0.3	0.339	0.048	0.0083	
720 minute summer	MH2	1.001	MH3	0.5	0.476	0.081	0.0120	
720 minute summer	MH3	Flow through Pond	MH10	1.1	0.005	0.000	20.2514	
720 minute summer	MH4	2.000	MH5	0.1	0.223	0.016	0.0038	
720 minute summer	MH5	2.001	MH6	0.3	0.263	0.050	0.0161	
720 minute summer	MH6	2.002	MH7	1.5	0.615	0.083	0.0190	
720 minute summer	MH7	Flow through Pond	MH10	1.1	0.005	0.000	20.2514	
720 minute summer	MH8	3.000	MH9	0.3	0.402	0.050	0.0084	
720 minute summer	MH9	Flow through Pond	MH10	1.1	0.005	0.000	20.2514	
720 minute summer	MH10	1.002	MH11	0.2	0.198	0.011	0.0167	
720 minute summer	MH11	1.003	MH12	0.2	0.516	0.017	0.0074	
720 minute summer	MH12	Weir		0.3				13.5
720 minute summer	MH13	4.000	MH14	0.3	0.399	0.050	0.0105	
720 minute summer	MH14	4.001	MH15	0.3	0.403	0.049	0.0029	
720 minute summer	MH15	Flow through Pond	MH19	0.5	0.005	0.000	8.3667	
720 minute summer	MH16	5.000	MH17	0.6	0.571	0.093	0.0101	
720 minute summer	MH17	5.001	MH18	0.7	0.639	0.027	0.0060	
720 minute summer	MH18	Flow through Pond	MH19	0.5	0.005	0.000	8.3667	
720 minute summer	MH19	4.002	MH11	0.1	0.195	0.006	0.0023	
720 minute summer	MH20	6.000	MH21	0.5	0.420	0.079	0.0109	
720 minute summer	MH21	6.001	MH22	0.7	0.523	0.113	0.0127	
720 minute summer	MH22	Flow through Pond	MH26	0.6	0.007	0.000	8.6173	
720 minute summer	MH23	7.000	MH24	0.2	0.307	0.032	0.0082	
720 minute summer	MH24	7.001	MH25	0.4	0.538	0.049	0.0028	
720 minute summer	MH25	Flow through Pond	MH26	0.6	0.007	0.000	8.6173	
720 minute summer	MH26	6.002	MH12	0.1	0.487	0.007	0.0006	

Results for 30 year 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 96.72%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	MH1	315	29.703	0.012	0.2	0.0000	0.0000	OK
720 minute winter	MH2	315	29.606	0.015	0.3	0.0000	0.0000	OK
720 minute winter	MH3	585	29.393	0.378	0.3	0.0000	0.0000	OK
720 minute winter	MH4	300	29.700	0.009	0.1	0.0000	0.0000	OK
720 minute winter	MH5	360	29.636	0.015	0.3	0.0000	0.0000	OK
720 minute winter	MH6	360	29.526	0.025	1.1	0.0041	0.0000	OK
720 minute winter	MH7	585	29.393	0.378	1.1	0.0000	0.0000	OK
720 minute winter	MH8	315	29.704	0.012	0.2	0.0000	0.0000	OK
720 minute winter	MH9	585	29.393	0.378	0.2	0.0000	0.0000	OK
720 minute winter	MH10	585	29.392	0.401	0.9	0.1136	0.0000	SURCHARGED
720 minute winter	MH11	600	28.866	0.016	0.2	0.0046	0.0000	OK
720 minute winter	MH12	600	28.763	0.003	0.3	0.0009	0.0000	OK
720 minute winter	MH13	315	29.613	0.013	0.2	0.0036	0.0000	OK
720 minute winter	MH14	315	29.473	0.013	0.2	0.0035	0.0000	OK
720 minute winter	MH15	690	29.315	0.180	0.2	0.0000	0.0000	OK
720 minute winter	MH16	345	29.617	0.017	0.4	0.0000	0.0000	OK
720 minute winter	MH17	345	29.505	0.015	0.5	0.0023	0.0000	OK
720 minute winter	MH18	690	29.315	0.180	0.5	0.0000	0.0000	OK
720 minute winter	MH19	690	29.315	0.195	0.4	0.0552	0.0000	SURCHARGED
720 minute winter	MH20	330	29.615	0.015	0.3	0.0000	0.0000	OK
720 minute winter	MH21	360	29.519	0.019	0.5	0.0031	0.0000	OK
720 minute winter	MH22	675	29.303	0.174	0.5	0.0000	0.0000	OK
720 minute winter	MH23	255	29.609	0.009	0.1	0.0014	0.0000	OK
720 minute winter	MH24	255	29.481	0.011	0.2	0.0017	0.0000	OK
720 minute winter	MH25	675	29.303	0.174	0.2	0.0000	0.0000	OK
720 minute winter	MH26	675	29.302	0.202	0.4	0.0573	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	MH1	1.000	MH2	0.2	0.313	0.032	0.0060	13.9
720 minute winter	MH2	1.001	MH3	0.3	0.409	0.049	0.0084	
720 minute winter	MH3	Flow through Pond	MH10	0.8	0.006	0.000	21.1130	
720 minute winter	MH4	2.000	MH5	0.1	0.223	0.016	0.0038	
720 minute winter	MH5	2.001	MH6	0.3	0.264	0.050	0.0139	
720 minute winter	MH6	2.002	MH7	1.1	0.562	0.061	0.0152	
720 minute winter	MH7	Flow through Pond	MH10	0.8	0.006	0.000	21.1130	
720 minute winter	MH8	3.000	MH9	0.2	0.356	0.033	0.0064	
720 minute winter	MH9	Flow through Pond	MH10	0.8	0.006	0.000	21.1130	
720 minute winter	MH10	1.002	MH11	0.2	0.199	0.011	0.0170	
720 minute winter	MH11	1.003	MH12	0.2	0.520	0.017	0.0075	
720 minute winter	MH12	Weir		0.3				
720 minute winter	MH13	4.000	MH14	0.2	0.354	0.033	0.0079	
720 minute winter	MH14	4.001	MH15	0.2	0.357	0.033	0.0022	
720 minute winter	MH15	Flow through Pond	MH19	0.4	0.004	0.000	8.7248	
720 minute winter	MH16	5.000	MH17	0.4	0.498	0.062	0.0077	
720 minute winter	MH17	5.001	MH18	0.5	0.578	0.019	0.0047	
720 minute winter	MH18	Flow through Pond	MH19	0.4	0.004	0.000	8.7248	
720 minute winter	MH19	4.002	MH11	0.1	0.196	0.006	0.0023	
720 minute winter	MH20	6.000	MH21	0.3	0.369	0.047	0.0082	
720 minute winter	MH21	6.001	MH22	0.5	0.474	0.081	0.0100	
720 minute winter	MH22	Flow through Pond	MH26	0.4	0.007	0.000	8.7704	
720 minute winter	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
720 minute winter	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
720 minute winter	MH25	Flow through Pond	MH26	0.4	0.007	0.000	8.7704	
720 minute winter	MH26	6.002	MH12	0.1	0.488	0.007	0.0006	

Results for 30 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 96.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	MH1	450	29.703	0.012	0.2	0.0000	0.0000	OK
960 minute summer	MH2	450	29.606	0.015	0.3	0.0000	0.0000	OK
960 minute summer	MH3	705	29.360	0.345	0.3	0.0000	0.0000	OK
960 minute summer	MH4	435	29.700	0.009	0.1	0.0000	0.0000	OK
960 minute summer	MH5	480	29.636	0.015	0.3	0.0000	0.0000	OK
960 minute summer	MH6	495	29.529	0.028	1.3	0.0044	0.0000	OK
960 minute summer	MH7	705	29.360	0.345	1.3	0.0000	0.0000	OK
960 minute summer	MH8	450	29.704	0.012	0.2	0.0000	0.0000	OK
960 minute summer	MH9	705	29.360	0.345	0.2	0.0000	0.0000	OK
960 minute summer	MH10	705	29.359	0.368	1.0	0.1042	0.0000	SURCHARGED
960 minute summer	MH11	705	28.866	0.016	0.2	0.0045	0.0000	OK
960 minute summer	MH12	705	28.763	0.003	0.3	0.0009	0.0000	OK
960 minute summer	MH13	450	29.613	0.013	0.2	0.0036	0.0000	OK
960 minute summer	MH14	450	29.473	0.013	0.2	0.0035	0.0000	OK
960 minute summer	MH15	825	29.300	0.165	0.2	0.0000	0.0000	OK
960 minute summer	MH16	495	29.619	0.019	0.5	0.0000	0.0000	OK
960 minute summer	MH17	495	29.506	0.016	0.6	0.0025	0.0000	OK
960 minute summer	MH18	825	29.300	0.165	0.6	0.0000	0.0000	OK
960 minute summer	MH19	825	29.300	0.180	0.4	0.0509	0.0000	SURCHARGED
960 minute summer	MH20	495	29.617	0.017	0.4	0.0000	0.0000	OK
960 minute summer	MH21	495	29.521	0.021	0.6	0.0034	0.0000	OK
960 minute summer	MH22	750	29.286	0.157	0.6	0.0000	0.0000	OK
960 minute summer	MH23	390	29.609	0.009	0.1	0.0014	0.0000	OK
960 minute summer	MH24	390	29.481	0.011	0.2	0.0017	0.0000	OK
960 minute summer	MH25	750	29.286	0.157	0.2	0.0000	0.0000	OK
960 minute summer	MH26	750	29.285	0.185	0.4	0.0525	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	MH1	1.000	MH2	0.2	0.313	0.032	0.0060	15.7
960 minute summer	MH2	1.001	MH3	0.3	0.409	0.049	0.0084	
960 minute summer	MH3	Flow through Pond	MH10	0.9	0.005	0.000	19.3109	
960 minute summer	MH4	2.000	MH5	0.1	0.223	0.016	0.0038	
960 minute summer	MH5	2.001	MH6	0.3	0.253	0.050	0.0150	
960 minute summer	MH6	2.002	MH7	1.3	0.590	0.072	0.0172	
960 minute summer	MH7	Flow through Pond	MH10	0.9	0.005	0.000	19.3109	
960 minute summer	MH8	3.000	MH9	0.2	0.356	0.033	0.0064	
960 minute summer	MH9	Flow through Pond	MH10	0.9	0.005	0.000	19.3109	
960 minute summer	MH10	1.002	MH11	0.2	0.196	0.010	0.0165	
960 minute summer	MH11	1.003	MH12	0.2	0.513	0.016	0.0073	
960 minute summer	MH12	Weir		0.3				
960 minute summer	MH13	4.000	MH14	0.2	0.354	0.033	0.0079	
960 minute summer	MH14	4.001	MH15	0.2	0.357	0.033	0.0022	
960 minute summer	MH15	Flow through Pond	MH19	0.4	0.004	0.000	8.0197	
960 minute summer	MH16	5.000	MH17	0.5	0.538	0.077	0.0089	
960 minute summer	MH17	5.001	MH18	0.6	0.610	0.023	0.0054	
960 minute summer	MH18	Flow through Pond	MH19	0.4	0.004	0.000	8.0197	
960 minute summer	MH19	4.002	MH11	0.1	0.193	0.006	0.0022	
960 minute summer	MH20	6.000	MH21	0.4	0.383	0.063	0.0096	
960 minute summer	MH21	6.001	MH22	0.6	0.500	0.097	0.0114	
960 minute summer	MH22	Flow through Pond	MH26	0.4	0.007	0.000	7.9804	
960 minute summer	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
960 minute summer	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
960 minute summer	MH25	Flow through Pond	MH26	0.4	0.007	0.000	7.9804	
960 minute summer	MH26	6.002	MH12	0.1	0.481	0.006	0.0006	

Results for 30 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 96.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	MH1	465	29.703	0.012	0.2	0.0000	0.0000	OK
960 minute winter	MH2	465	29.606	0.015	0.3	0.0000	0.0000	OK
960 minute winter	MH3	735	29.382	0.367	0.3	0.0000	0.0000	OK
960 minute winter	MH4	420	29.700	0.009	0.1	0.0000	0.0000	OK
960 minute winter	MH5	420	29.633	0.012	0.2	0.0000	0.0000	OK
960 minute winter	MH6	450	29.523	0.022	0.8	0.0035	0.0000	OK
960 minute winter	MH7	735	29.382	0.367	0.8	0.0000	0.0000	OK
960 minute winter	MH8	465	29.704	0.012	0.2	0.0000	0.0000	OK
960 minute winter	MH9	735	29.382	0.367	0.2	0.0000	0.0000	OK
960 minute winter	MH10	735	29.381	0.390	0.7	0.1104	0.0000	SURCHARGED
960 minute winter	MH11	750	28.866	0.016	0.2	0.0046	0.0000	OK
960 minute winter	MH12	750	28.763	0.003	0.3	0.0009	0.0000	OK
960 minute winter	MH13	465	29.613	0.013	0.2	0.0036	0.0000	OK
960 minute winter	MH14	465	29.473	0.013	0.2	0.0035	0.0000	OK
960 minute winter	MH15	900	29.316	0.180	0.2	0.0000	0.0000	OK
960 minute winter	MH16	420	29.615	0.015	0.3	0.0000	0.0000	OK
960 minute winter	MH17	420	29.503	0.013	0.4	0.0021	0.0000	OK
960 minute winter	MH18	900	29.316	0.180	0.4	0.0000	0.0000	OK
960 minute winter	MH19	900	29.315	0.195	0.3	0.0553	0.0000	SURCHARGED
960 minute winter	MH20	480	29.615	0.015	0.3	0.0000	0.0000	OK
960 minute winter	MH21	480	29.517	0.017	0.4	0.0028	0.0000	OK
960 minute winter	MH22	765	29.300	0.172	0.4	0.0000	0.0000	OK
960 minute winter	MH23	360	29.609	0.009	0.1	0.0014	0.0000	OK
960 minute winter	MH24	360	29.481	0.011	0.2	0.0017	0.0000	OK
960 minute winter	MH25	765	29.300	0.172	0.2	0.0000	0.0000	OK
960 minute winter	MH26	765	29.300	0.200	0.3	0.0566	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	MH1	1.000	MH2	0.2	0.313	0.032	0.0060	
960 minute winter	MH2	1.001	MH3	0.3	0.409	0.049	0.0084	
960 minute winter	MH3	Flow through Pond	MH10	0.6	0.006	0.000	20.5060	
960 minute winter	MH4	2.000	MH5	0.1	0.223	0.016	0.0031	
960 minute winter	MH5	2.001	MH6	0.2	0.238	0.033	0.0109	
960 minute winter	MH6	2.002	MH7	0.8	0.512	0.044	0.0122	
960 minute winter	MH7	Flow through Pond	MH10	0.6	0.006	0.000	20.5060	
960 minute winter	MH8	3.000	MH9	0.2	0.356	0.033	0.0064	
960 minute winter	MH9	Flow through Pond	MH10	0.6	0.006	0.000	20.5060	
960 minute winter	MH10	1.002	MH11	0.2	0.197	0.011	0.0168	
960 minute winter	MH11	1.003	MH12	0.2	0.518	0.017	0.0074	
960 minute winter	MH12	Weir		0.3				16.5
960 minute winter	MH13	4.000	MH14	0.2	0.354	0.033	0.0079	
960 minute winter	MH14	4.001	MH15	0.2	0.357	0.033	0.0022	
960 minute winter	MH15	Flow through Pond	MH19	0.3	0.004	0.000	8.7442	
960 minute winter	MH16	5.000	MH17	0.3	0.449	0.046	0.0064	
960 minute winter	MH17	5.001	MH18	0.4	0.542	0.015	0.0041	
960 minute winter	MH18	Flow through Pond	MH19	0.3	0.004	0.000	8.7442	
960 minute winter	MH19	4.002	MH11	0.1	0.197	0.006	0.0023	
960 minute winter	MH20	6.000	MH21	0.3	0.369	0.047	0.0074	
960 minute winter	MH21	6.001	MH22	0.4	0.444	0.064	0.0085	
960 minute winter	MH22	Flow through Pond	MH26	0.3	0.007	0.000	8.6502	
960 minute winter	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
960 minute winter	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
960 minute winter	MH25	Flow through Pond	MH26	0.3	0.007	0.000	8.6502	
960 minute winter	MH26	6.002	MH12	0.1	0.487	0.007	0.0006	

Results for 30 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 97.36%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	MH1	750	29.703	0.012	0.2	0.0000	0.0000	OK
1440 minute summer	MH2	750	29.606	0.015	0.3	0.0000	0.0000	OK
1440 minute summer	MH3	990	29.368	0.354	0.3	0.0000	0.0000	OK
1440 minute summer	MH4	720	29.700	0.009	0.1	0.0000	0.0000	OK
1440 minute summer	MH5	720	29.633	0.012	0.2	0.0000	0.0000	OK
1440 minute summer	MH6	750	29.524	0.023	0.9	0.0037	0.0000	OK
1440 minute summer	MH7	990	29.368	0.354	0.9	0.0000	0.0000	OK
1440 minute summer	MH8	750	29.704	0.012	0.2	0.0000	0.0000	OK
1440 minute summer	MH9	990	29.368	0.354	0.2	0.0000	0.0000	OK
1440 minute summer	MH10	990	29.368	0.377	0.8	0.1066	0.0000	SURCHARGED
1440 minute summer	MH11	990	28.866	0.016	0.2	0.0045	0.0000	OK
1440 minute summer	MH12	990	28.763	0.003	0.3	0.0009	0.0000	OK
1440 minute summer	MH13	750	29.613	0.013	0.2	0.0036	0.0000	OK
1440 minute summer	MH14	750	29.473	0.013	0.2	0.0035	0.0000	OK
1440 minute summer	MH15	1080	29.291	0.156	0.2	0.0000	0.0000	OK
1440 minute summer	MH16	720	29.615	0.015	0.3	0.0000	0.0000	OK
1440 minute summer	MH17	720	29.503	0.013	0.4	0.0021	0.0000	OK
1440 minute summer	MH18	1080	29.291	0.156	0.4	0.0000	0.0000	OK
1440 minute summer	MH19	1080	29.291	0.171	0.3	0.0483	0.0000	SURCHARGED
1440 minute summer	MH20	750	29.615	0.015	0.3	0.0000	0.0000	OK
1440 minute summer	MH21	750	29.517	0.017	0.4	0.0028	0.0000	OK
1440 minute summer	MH22	990	29.282	0.154	0.4	0.0000	0.0000	OK
1440 minute summer	MH23	660	29.609	0.009	0.1	0.0014	0.0000	OK
1440 minute summer	MH24	660	29.481	0.011	0.2	0.0017	0.0000	OK
1440 minute summer	MH25	990	29.282	0.154	0.2	0.0000	0.0000	OK
1440 minute summer	MH26	990	29.282	0.182	0.3	0.0514	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	MH1	1.000	MH2	0.2	0.313	0.032	0.0060	20.6
1440 minute summer	MH2	1.001	MH3	0.3	0.409	0.049	0.0084	
1440 minute summer	MH3	Flow through Pond	MH10	0.7	0.004	0.000	19.7801	
1440 minute summer	MH4	2.000	MH5	0.1	0.223	0.016	0.0031	
1440 minute summer	MH5	2.001	MH6	0.2	0.225	0.033	0.0115	
1440 minute summer	MH6	2.002	MH7	0.9	0.530	0.050	0.0132	
1440 minute summer	MH7	Flow through Pond	MH10	0.7	0.004	0.000	19.7801	
1440 minute summer	MH8	3.000	MH9	0.2	0.356	0.033	0.0064	
1440 minute summer	MH9	Flow through Pond	MH10	0.7	0.004	0.000	19.7801	
1440 minute summer	MH10	1.002	MH11	0.2	0.198	0.011	0.0165	
1440 minute summer	MH11	1.003	MH12	0.2	0.513	0.016	0.0073	
1440 minute summer	MH12	Weir		0.3				
1440 minute summer	MH13	4.000	MH14	0.2	0.354	0.033	0.0079	
1440 minute summer	MH14	4.001	MH15	0.2	0.357	0.033	0.0022	
1440 minute summer	MH15	Flow through Pond	MH19	0.3	0.003	0.000	7.6011	
1440 minute summer	MH16	5.000	MH17	0.3	0.449	0.046	0.0064	
1440 minute summer	MH17	5.001	MH18	0.4	0.542	0.015	0.0041	
1440 minute summer	MH18	Flow through Pond	MH19	0.3	0.003	0.000	7.6011	
1440 minute summer	MH19	4.002	MH11	0.1	0.189	0.006	0.0022	
1440 minute summer	MH20	6.000	MH21	0.3	0.369	0.047	0.0074	
1440 minute summer	MH21	6.001	MH22	0.4	0.444	0.064	0.0085	
1440 minute summer	MH22	Flow through Pond	MH26	0.3	0.006	0.000	7.8046	
1440 minute summer	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
1440 minute summer	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
1440 minute summer	MH25	Flow through Pond	MH26	0.3	0.006	0.000	7.8046	
1440 minute summer	MH26	6.002	MH12	0.1	0.480	0.006	0.0006	

Results for 30 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 97.40%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	MH1	510	29.700	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	MH2	630	29.603	0.012	0.2	0.0000	0.0000	OK
1440 minute winter	MH3	1050	29.350	0.336	0.2	0.0000	0.0000	OK
1440 minute winter	MH4	30	29.691	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	MH5	570	29.630	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	MH6	750	29.520	0.019	0.6	0.0030	0.0000	OK
1440 minute winter	MH7	1050	29.350	0.336	0.6	0.0000	0.0000	OK
1440 minute winter	MH8	510	29.700	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	MH9	1050	29.350	0.336	0.1	0.0000	0.0000	OK
1440 minute winter	MH10	1050	29.350	0.359	0.5	0.1016	0.0000	SURCHARGED
1440 minute winter	MH11	1050	28.866	0.016	0.2	0.0044	0.0000	OK
1440 minute winter	MH12	1050	28.763	0.003	0.3	0.0009	0.0000	OK
1440 minute winter	MH13	510	29.609	0.009	0.1	0.0026	0.0000	OK
1440 minute winter	MH14	510	29.469	0.009	0.1	0.0025	0.0000	OK
1440 minute winter	MH15	1110	29.280	0.145	0.1	0.0000	0.0000	OK
1440 minute winter	MH16	600	29.613	0.013	0.2	0.0000	0.0000	OK
1440 minute winter	MH17	600	29.499	0.009	0.2	0.0015	0.0000	OK
1440 minute winter	MH18	1110	29.280	0.145	0.2	0.0000	0.0000	OK
1440 minute winter	MH19	1110	29.280	0.160	0.2	0.0453	0.0000	SURCHARGED
1440 minute winter	MH20	660	29.612	0.012	0.2	0.0000	0.0000	OK
1440 minute winter	MH21	660	29.515	0.015	0.3	0.0024	0.0000	OK
1440 minute winter	MH22	1050	29.300	0.172	0.3	0.0000	0.0000	OK
1440 minute winter	MH23	630	29.609	0.009	0.1	0.0014	0.0000	OK
1440 minute winter	MH24	630	29.481	0.011	0.2	0.0017	0.0000	OK
1440 minute winter	MH25	1050	29.300	0.172	0.2	0.0000	0.0000	OK
1440 minute winter	MH26	1050	29.300	0.200	0.3	0.0566	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	MH1	1.000	MH2	0.1	0.295	0.016	0.0041	
1440 minute winter	MH2	1.001	MH3	0.2	0.362	0.032	0.0063	
1440 minute winter	MH3	Flow through Pond	MH10	0.5	0.005	0.000	18.8134	
1440 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
1440 minute winter	MH5	2.001	MH6	0.1	0.182	0.017	0.0082	
1440 minute winter	MH6	2.002	MH7	0.6	0.470	0.033	0.0099	
1440 minute winter	MH7	Flow through Pond	MH10	0.5	0.005	0.000	18.8134	
1440 minute winter	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
1440 minute winter	MH9	Flow through Pond	MH10	0.5	0.005	0.000	18.8134	
1440 minute winter	MH10	1.002	MH11	0.1	0.197	0.010	0.0162	
1440 minute winter	MH11	1.003	MH12	0.2	0.508	0.016	0.0071	
1440 minute winter	MH12	Weir		0.3				20.7
1440 minute winter	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
1440 minute winter	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
1440 minute winter	MH15	Flow through Pond	MH19	0.2	0.003	0.000	7.1001	
1440 minute winter	MH16	5.000	MH17	0.2	0.426	0.031	0.0045	
1440 minute winter	MH17	5.001	MH18	0.2	0.437	0.008	0.0025	
1440 minute winter	MH18	Flow through Pond	MH19	0.2	0.003	0.000	7.1001	
1440 minute winter	MH19	4.002	MH11	0.1	0.187	0.006	0.0022	
1440 minute winter	MH20	6.000	MH21	0.2	0.313	0.032	0.0059	
1440 minute winter	MH21	6.001	MH22	0.3	0.408	0.048	0.0070	
1440 minute winter	MH22	Flow through Pond	MH26	0.3	0.006	0.000	8.6524	
1440 minute winter	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
1440 minute winter	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
1440 minute winter	MH25	Flow through Pond	MH26	0.3	0.006	0.000	8.6524	
1440 minute winter	MH26	6.002	MH12	0.1	0.487	0.007	0.0006	

Results for 30 year 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 97.99%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	MH1	960	29.700	0.009	0.1	0.0000	0.0000	OK
2160 minute summer	MH2	1080	29.603	0.012	0.2	0.0000	0.0000	OK
2160 minute summer	MH3	1440	29.335	0.320	0.2	0.0000	0.0000	OK
2160 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
2160 minute summer	MH5	1020	29.630	0.009	0.1	0.0000	0.0000	OK
2160 minute summer	MH6	1140	29.520	0.019	0.6	0.0030	0.0000	OK
2160 minute summer	MH7	1440	29.335	0.320	0.6	0.0000	0.0000	OK
2160 minute summer	MH8	960	29.700	0.009	0.1	0.0000	0.0000	OK
2160 minute summer	MH9	1440	29.335	0.320	0.1	0.0000	0.0000	OK
2160 minute summer	MH10	1440	29.334	0.343	0.5	0.0971	0.0000	SURCHARGED
2160 minute summer	MH11	1440	28.865	0.015	0.2	0.0044	0.0000	OK
2160 minute summer	MH12	1440	28.763	0.003	0.3	0.0008	0.0000	OK
2160 minute summer	MH13	960	29.609	0.009	0.1	0.0026	0.0000	OK
2160 minute summer	MH14	960	29.469	0.009	0.1	0.0025	0.0000	OK
2160 minute summer	MH15	1440	29.258	0.123	0.1	0.0000	0.0000	OK
2160 minute summer	MH16	1080	29.613	0.013	0.2	0.0000	0.0000	OK
2160 minute summer	MH17	1080	29.499	0.009	0.2	0.0015	0.0000	OK
2160 minute summer	MH18	1440	29.258	0.123	0.2	0.0000	0.0000	OK
2160 minute summer	MH19	1440	29.258	0.138	0.2	0.0389	0.0000	SURCHARGED
2160 minute summer	MH20	1140	29.612	0.012	0.2	0.0000	0.0000	OK
2160 minute summer	MH21	1140	29.515	0.015	0.3	0.0024	0.0000	OK
2160 minute summer	MH22	1380	29.264	0.136	0.3	0.0000	0.0000	OK
2160 minute summer	MH23	1080	29.609	0.009	0.1	0.0014	0.0000	OK
2160 minute summer	MH24	1080	29.481	0.011	0.2	0.0017	0.0000	OK
2160 minute summer	MH25	1380	29.264	0.136	0.2	0.0000	0.0000	OK
2160 minute summer	MH26	1380	29.264	0.164	0.3	0.0464	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	MH1	1.000	MH2	0.1	0.295	0.016	0.0041	25.2
2160 minute summer	MH2	1.001	MH3	0.2	0.362	0.032	0.0063	
2160 minute summer	MH3	Flow through Pond	MH10	0.5	0.003	0.000	17.9625	
2160 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
2160 minute summer	MH5	2.001	MH6	0.1	0.182	0.017	0.0082	
2160 minute summer	MH6	2.002	MH7	0.6	0.470	0.033	0.0099	
2160 minute summer	MH7	Flow through Pond	MH10	0.5	0.003	0.000	17.9625	
2160 minute summer	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
2160 minute summer	MH9	Flow through Pond	MH10	0.5	0.003	0.000	17.9625	
2160 minute summer	MH10	1.002	MH11	0.1	0.198	0.010	0.0158	
2160 minute summer	MH11	1.003	MH12	0.2	0.503	0.015	0.0069	
2160 minute summer	MH12	Weir		0.3				
2160 minute summer	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
2160 minute summer	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
2160 minute summer	MH15	Flow through Pond	MH19	0.2	0.005	0.000	6.0573	
2160 minute summer	MH16	5.000	MH17	0.2	0.426	0.031	0.0045	
2160 minute summer	MH17	5.001	MH18	0.2	0.437	0.008	0.0025	
2160 minute summer	MH18	Flow through Pond	MH19	0.2	0.005	0.000	6.0573	
2160 minute summer	MH19	4.002	MH11	0.1	0.178	0.005	0.0021	
2160 minute summer	MH20	6.000	MH21	0.2	0.313	0.032	0.0059	
2160 minute summer	MH21	6.001	MH22	0.3	0.408	0.048	0.0070	
2160 minute summer	MH22	Flow through Pond	MH26	0.3	0.009	0.000	6.9765	
2160 minute summer	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
2160 minute summer	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
2160 minute summer	MH25	Flow through Pond	MH26	0.3	0.009	0.000	6.9765	
2160 minute summer	MH26	6.002	MH12	0.1	0.472	0.006	0.0006	

Results for 30 year 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 98.03%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	MH1	900	29.700	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH2	900	29.600	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH3	1500	29.313	0.299	0.1	0.0000	0.0000	OK
2160 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	MH5	1020	29.630	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH6	1020	29.517	0.016	0.4	0.0025	0.0000	OK
2160 minute winter	MH7	1500	29.313	0.299	0.4	0.0000	0.0000	OK
2160 minute winter	MH8	900	29.700	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH9	1500	29.313	0.299	0.1	0.0000	0.0000	OK
2160 minute winter	MH10	1500	29.313	0.322	0.4	0.0911	0.0000	SURCHARGED
2160 minute winter	MH11	1500	28.866	0.016	0.2	0.0044	0.0000	OK
2160 minute winter	MH12	1500	28.763	0.003	0.3	0.0008	0.0000	OK
2160 minute winter	MH13	900	29.609	0.009	0.1	0.0026	0.0000	OK
2160 minute winter	MH14	900	29.469	0.009	0.1	0.0025	0.0000	OK
2160 minute winter	MH15	1560	29.281	0.146	0.1	0.0000	0.0000	OK
2160 minute winter	MH16	1080	29.613	0.013	0.2	0.0000	0.0000	OK
2160 minute winter	MH17	1080	29.499	0.009	0.2	0.0015	0.0000	OK
2160 minute winter	MH18	1560	29.281	0.146	0.2	0.0000	0.0000	OK
2160 minute winter	MH19	1560	29.281	0.161	0.2	0.0456	0.0000	SURCHARGED
2160 minute winter	MH20	780	29.609	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH21	1020	29.512	0.012	0.2	0.0020	0.0000	OK
2160 minute winter	MH22	1500	29.210	0.082	0.2	0.0000	0.0000	OK
2160 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	MH25	1500	29.210	0.082	0.0	0.0000	0.0000	OK
2160 minute winter	MH26	1500	29.210	0.110	0.1	0.0312	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	MH1	1.000	MH2	0.1	0.295	0.016	0.0032	25.6
2160 minute winter	MH2	1.001	MH3	0.1	0.294	0.016	0.0039	
2160 minute winter	MH3	Flow through Pond	MH10	0.4	0.003	0.000	16.7999	
2160 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
2160 minute winter	MH5	2.001	MH6	0.1	0.182	0.017	0.0067	
2160 minute winter	MH6	2.002	MH7	0.4	0.416	0.022	0.0075	
2160 minute winter	MH7	Flow through Pond	MH10	0.4	0.003	0.000	16.7999	
2160 minute winter	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
2160 minute winter	MH9	Flow through Pond	MH10	0.4	0.003	0.000	16.7999	
2160 minute winter	MH10	1.002	MH11	0.1	0.192	0.010	0.0158	
2160 minute winter	MH11	1.003	MH12	0.2	0.506	0.015	0.0070	
2160 minute winter	MH12	Weir		0.3				
2160 minute winter	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
2160 minute winter	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
2160 minute winter	MH15	Flow through Pond	MH19	0.2	0.005	0.000	7.1453	
2160 minute winter	MH16	5.000	MH17	0.2	0.426	0.031	0.0045	
2160 minute winter	MH17	5.001	MH18	0.2	0.437	0.008	0.0025	
2160 minute winter	MH18	Flow through Pond	MH19	0.2	0.005	0.000	7.1453	
2160 minute winter	MH19	4.002	MH11	0.1	0.190	0.006	0.0022	
2160 minute winter	MH20	6.000	MH21	0.1	0.296	0.016	0.0041	
2160 minute winter	MH21	6.001	MH22	0.2	0.361	0.032	0.0052	
2160 minute winter	MH22	Flow through Pond	MH26	0.1	0.009	0.000	4.4816	
2160 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
2160 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
2160 minute winter	MH25	Flow through Pond	MH26	0.1	0.009	0.000	4.4816	
2160 minute winter	MH26	6.002	MH12	0.1	0.444	0.005	0.0005	

Results for 30 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 98.58%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	MH1	1320	29.700	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	MH2	1500	29.603	0.012	0.2	0.0000	0.0000	OK
2880 minute summer	MH3	1800	29.300	0.286	0.2	0.0000	0.0000	OK
2880 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	MH5	1380	29.630	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	MH6	1500	29.518	0.017	0.5	0.0028	0.0000	OK
2880 minute summer	MH7	1800	29.300	0.286	0.5	0.0000	0.0000	OK
2880 minute summer	MH8	1320	29.700	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	MH9	1800	29.300	0.286	0.1	0.0000	0.0000	OK
2880 minute summer	MH10	1800	29.300	0.309	0.4	0.0874	0.0000	SURCHARGED
2880 minute summer	MH11	1800	28.865	0.015	0.2	0.0043	0.0000	OK
2880 minute summer	MH12	1800	28.763	0.003	0.3	0.0008	0.0000	OK
2880 minute summer	MH13	1320	29.609	0.009	0.1	0.0026	0.0000	OK
2880 minute summer	MH14	1320	29.469	0.009	0.1	0.0025	0.0000	OK
2880 minute summer	MH15	1860	29.264	0.128	0.1	0.0000	0.0000	OK
2880 minute summer	MH16	1440	29.613	0.013	0.2	0.0000	0.0000	OK
2880 minute summer	MH17	1440	29.499	0.009	0.2	0.0015	0.0000	OK
2880 minute summer	MH18	1860	29.264	0.128	0.2	0.0000	0.0000	OK
2880 minute summer	MH19	1860	29.263	0.143	0.2	0.0406	0.0000	SURCHARGED
2880 minute summer	MH20	1500	29.612	0.012	0.2	0.0000	0.0000	OK
2880 minute summer	MH21	1500	29.515	0.015	0.3	0.0024	0.0000	OK
2880 minute summer	MH22	1800	29.243	0.115	0.3	0.0000	0.0000	OK
2880 minute summer	MH23	1500	29.609	0.009	0.1	0.0014	0.0000	OK
2880 minute summer	MH24	1500	29.481	0.011	0.2	0.0017	0.0000	OK
2880 minute summer	MH25	1800	29.243	0.115	0.2	0.0000	0.0000	OK
2880 minute summer	MH26	1800	29.243	0.143	0.3	0.0405	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	MH1	1.000	MH2	0.1	0.295	0.016	0.0041	29.3
2880 minute summer	MH2	1.001	MH3	0.2	0.362	0.032	0.0063	
2880 minute summer	MH3	Flow through Pond	MH10	0.4	0.003	0.000	16.0909	
2880 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
2880 minute summer	MH5	2.001	MH6	0.1	0.182	0.017	0.0075	
2880 minute summer	MH6	2.002	MH7	0.5	0.445	0.028	0.0087	
2880 minute summer	MH7	Flow through Pond	MH10	0.4	0.003	0.000	16.0909	
2880 minute summer	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
2880 minute summer	MH9	Flow through Pond	MH10	0.4	0.003	0.000	16.0909	
2880 minute summer	MH10	1.002	MH11	0.1	0.192	0.010	0.0154	
2880 minute summer	MH11	1.003	MH12	0.2	0.499	0.015	0.0068	
2880 minute summer	MH12	Weir		0.3				
2880 minute summer	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
2880 minute summer	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
2880 minute summer	MH15	Flow through Pond	MH19	0.2	0.005	0.000	6.3229	
2880 minute summer	MH16	5.000	MH17	0.2	0.426	0.031	0.0045	
2880 minute summer	MH17	5.001	MH18	0.2	0.437	0.008	0.0025	
2880 minute summer	MH18	Flow through Pond	MH19	0.2	0.005	0.000	6.3229	
2880 minute summer	MH19	4.002	MH11	0.1	0.184	0.005	0.0021	
2880 minute summer	MH20	6.000	MH21	0.2	0.313	0.032	0.0059	
2880 minute summer	MH21	6.001	MH22	0.3	0.408	0.048	0.0070	
2880 minute summer	MH22	Flow through Pond	MH26	0.3	0.009	0.000	6.0029	
2880 minute summer	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
2880 minute summer	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
2880 minute summer	MH25	Flow through Pond	MH26	0.3	0.009	0.000	6.0029	
2880 minute summer	MH26	6.002	MH12	0.1	0.462	0.006	0.0006	

Results for 30 year 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 98.66%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	MH1	1320	29.700	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH2	1320	29.600	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH3	1920	29.275	0.260	0.1	0.0000	0.0000	OK
2880 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	MH5	1440	29.630	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH6	1440	29.517	0.016	0.4	0.0025	0.0000	OK
2880 minute winter	MH7	1920	29.275	0.261	0.4	0.0000	0.0000	OK
2880 minute winter	MH8	1320	29.700	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH9	1920	29.275	0.261	0.1	0.0000	0.0000	OK
2880 minute winter	MH10	1920	29.275	0.284	0.3	0.0802	0.0000	SURCHARGED
2880 minute winter	MH11	1980	28.865	0.015	0.2	0.0042	0.0000	OK
2880 minute winter	MH12	1920	28.763	0.003	0.3	0.0008	0.0000	OK
2880 minute winter	MH13	1320	29.609	0.009	0.1	0.0026	0.0000	OK
2880 minute winter	MH14	1320	29.469	0.009	0.1	0.0025	0.0000	OK
2880 minute winter	MH15	1980	29.250	0.114	0.1	0.0000	0.0000	OK
2880 minute winter	MH16	1020	29.609	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH17	1020	29.497	0.007	0.1	0.0011	0.0000	OK
2880 minute winter	MH18	1980	29.250	0.114	0.1	0.0000	0.0000	OK
2880 minute winter	MH19	1980	29.249	0.129	0.1	0.0366	0.0000	SURCHARGED
2880 minute winter	MH20	1080	29.609	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH21	1440	29.512	0.012	0.2	0.0020	0.0000	OK
2880 minute winter	MH22	1920	29.204	0.076	0.2	0.0000	0.0000	OK
2880 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	MH25	1920	29.204	0.076	0.0	0.0000	0.0000	OK
2880 minute winter	MH26	1920	29.204	0.104	0.1	0.0294	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	MH1	1.000	MH2	0.1	0.295	0.016	0.0032	28.5
2880 minute winter	MH2	1.001	MH3	0.1	0.294	0.016	0.0039	
2880 minute winter	MH3	Flow through Pond	MH10	0.3	0.003	0.000	14.7299	
2880 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
2880 minute winter	MH5	2.001	MH6	0.1	0.182	0.017	0.0067	
2880 minute winter	MH6	2.002	MH7	0.4	0.416	0.022	0.0075	
2880 minute winter	MH7	Flow through Pond	MH10	0.3	0.003	0.000	14.7299	
2880 minute winter	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
2880 minute winter	MH9	Flow through Pond	MH10	0.3	0.003	0.000	14.7299	
2880 minute winter	MH10	1.002	MH11	0.1	0.189	0.009	0.0150	
2880 minute winter	MH11	1.003	MH12	0.2	0.493	0.014	0.0066	
2880 minute winter	MH12	Weir		0.3				
2880 minute winter	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
2880 minute winter	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
2880 minute winter	MH15	Flow through Pond	MH19	0.1	0.005	0.000	5.6700	
2880 minute winter	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
2880 minute winter	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
2880 minute winter	MH18	Flow through Pond	MH19	0.1	0.005	0.000	5.6700	
2880 minute winter	MH19	4.002	MH11	0.1	0.180	0.005	0.0020	
2880 minute winter	MH20	6.000	MH21	0.1	0.296	0.016	0.0041	
2880 minute winter	MH21	6.001	MH22	0.2	0.361	0.032	0.0052	
2880 minute winter	MH22	Flow through Pond	MH26	0.1	0.009	0.000	4.1848	
2880 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
2880 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
2880 minute winter	MH25	Flow through Pond	MH26	0.1	0.009	0.000	4.1848	
2880 minute winter	MH26	6.002	MH12	0.1	0.440	0.005	0.0005	

Results for 30 year 4320 minute summer. 4560 minute analysis at 60 minute timestep. Mass balance: 99.35%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	MH1	2040	29.700	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH2	2040	29.600	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH3	2580	29.266	0.252	0.1	0.0000	0.0000	OK
4320 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	MH5	2160	29.630	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH6	2160	29.517	0.016	0.4	0.0025	0.0000	OK
4320 minute summer	MH7	2580	29.266	0.252	0.4	0.0000	0.0000	OK
4320 minute summer	MH8	2040	29.700	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH9	2580	29.266	0.252	0.1	0.0000	0.0000	OK
4320 minute summer	MH10	2580	29.266	0.275	0.3	0.0777	0.0000	SURCHARGED
4320 minute summer	MH11	2700	28.865	0.015	0.2	0.0042	0.0000	OK
4320 minute summer	MH12	2580	28.763	0.003	0.3	0.0008	0.0000	OK
4320 minute summer	MH13	2040	29.609	0.009	0.1	0.0026	0.0000	OK
4320 minute summer	MH14	2040	29.469	0.009	0.1	0.0025	0.0000	OK
4320 minute summer	MH15	2700	29.250	0.114	0.1	0.0000	0.0000	OK
4320 minute summer	MH16	1740	29.609	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH17	1740	29.497	0.007	0.1	0.0011	0.0000	OK
4320 minute summer	MH18	2700	29.250	0.114	0.1	0.0000	0.0000	OK
4320 minute summer	MH19	2700	29.249	0.129	0.1	0.0366	0.0000	SURCHARGED
4320 minute summer	MH20	1860	29.609	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH21	2160	29.512	0.012	0.2	0.0020	0.0000	OK
4320 minute summer	MH22	2580	29.198	0.070	0.2	0.0000	0.0000	OK
4320 minute summer	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	MH25	2580	29.198	0.070	0.0	0.0000	0.0000	OK
4320 minute summer	MH26	2580	29.198	0.098	0.1	0.0277	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	MH1	1.000	MH2	0.1	0.295	0.016	0.0032	33.7
4320 minute summer	MH2	1.001	MH3	0.1	0.294	0.016	0.0039	
4320 minute summer	MH3	Flow through Pond	MH10	0.3	0.003	0.000	14.2459	
4320 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
4320 minute summer	MH5	2.001	MH6	0.1	0.182	0.017	0.0067	
4320 minute summer	MH6	2.002	MH7	0.4	0.416	0.022	0.0075	
4320 minute summer	MH7	Flow through Pond	MH10	0.3	0.003	0.000	14.2459	
4320 minute summer	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
4320 minute summer	MH9	Flow through Pond	MH10	0.3	0.003	0.000	14.2459	
4320 minute summer	MH10	1.002	MH11	0.1	0.187	0.009	0.0148	
4320 minute summer	MH11	1.003	MH12	0.2	0.492	0.014	0.0065	
4320 minute summer	MH12	Weir		0.3				
4320 minute summer	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
4320 minute summer	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
4320 minute summer	MH15	Flow through Pond	MH19	0.1	0.005	0.000	5.6700	
4320 minute summer	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
4320 minute summer	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
4320 minute summer	MH18	Flow through Pond	MH19	0.1	0.005	0.000	5.6700	
4320 minute summer	MH19	4.002	MH11	0.1	0.181	0.005	0.0020	
4320 minute summer	MH20	6.000	MH21	0.1	0.296	0.016	0.0041	
4320 minute summer	MH21	6.001	MH22	0.2	0.361	0.032	0.0052	
4320 minute summer	MH22	Flow through Pond	MH26	0.1	0.009	0.000	3.9059	
4320 minute summer	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
4320 minute summer	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
4320 minute summer	MH25	Flow through Pond	MH26	0.1	0.009	0.000	3.9059	
4320 minute summer	MH26	6.002	MH12	0.1	0.436	0.005	0.0005	

Results for 30 year 4320 minute winter. 4560 minute analysis at 60 minute timestep. Mass balance: 99.70%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH3	3240	29.143	0.129	0.0	0.0000	0.0000	OK
4320 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH6	1920	29.512	0.011	0.2	0.0018	0.0000	OK
4320 minute winter	MH7	3240	29.143	0.129	0.2	0.0000	0.0000	OK
4320 minute winter	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH9	3240	29.143	0.129	0.0	0.0000	0.0000	OK
4320 minute winter	MH10	3240	29.143	0.152	0.1	0.0430	0.0000	SURCHARGED
4320 minute winter	MH11	2880	28.863	0.013	0.2	0.0037	0.0000	OK
4320 minute winter	MH12	2760	28.762	0.002	0.2	0.0007	0.0000	OK
4320 minute winter	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH15	2820	29.214	0.079	0.0	0.0000	0.0000	OK
4320 minute winter	MH16	1620	29.609	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH17	1620	29.497	0.007	0.1	0.0011	0.0000	OK
4320 minute winter	MH18	2820	29.214	0.079	0.1	0.0000	0.0000	OK
4320 minute winter	MH19	2820	29.214	0.094	0.1	0.0266	0.0000	OK
4320 minute winter	MH20	1740	29.609	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH21	1740	29.509	0.009	0.1	0.0014	0.0000	OK
4320 minute winter	MH22	2700	29.186	0.058	0.1	0.0000	0.0000	OK
4320 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH25	2700	29.186	0.058	0.0	0.0000	0.0000	OK
4320 minute winter	MH26	2700	29.186	0.086	0.1	0.0244	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	
4320 minute winter	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
4320 minute winter	MH3	Flow through Pond	MH10	0.1	0.003	0.000	7.5960	
4320 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
4320 minute winter	MH5	2.001	MH6	0.0	0.000	0.000	0.0029	
4320 minute winter	MH6	2.002	MH7	0.2	0.337	0.011	0.0046	
4320 minute winter	MH7	Flow through Pond	MH10	0.1	0.003	0.000	7.5960	
4320 minute winter	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
4320 minute winter	MH9	Flow through Pond	MH10	0.1	0.003	0.000	7.5960	
4320 minute winter	MH10	1.002	MH11	0.1	0.170	0.007	0.0122	
4320 minute winter	MH11	1.003	MH12	0.2	0.457	0.011	0.0054	
4320 minute winter	MH12	Weir		0.2				29.1
4320 minute winter	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
4320 minute winter	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
4320 minute winter	MH15	Flow through Pond	MH19	0.1	0.005	0.000	4.0306	
4320 minute winter	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
4320 minute winter	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
4320 minute winter	MH18	Flow through Pond	MH19	0.1	0.005	0.000	4.0306	
4320 minute winter	MH19	4.002	MH11	0.1	0.180	0.004	0.0017	
4320 minute winter	MH20	6.000	MH21	0.1	0.296	0.016	0.0031	
4320 minute winter	MH21	6.001	MH22	0.1	0.294	0.016	0.0032	
4320 minute winter	MH22	Flow through Pond	MH26	0.1	0.009	0.000	3.3616	
4320 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
4320 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
4320 minute winter	MH25	Flow through Pond	MH26	0.1	0.009	0.000	3.3616	
4320 minute winter	MH26	6.002	MH12	0.1	0.428	0.004	0.0005	

Results for 30 year 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.86%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	MH1	2820	29.700	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH2	2820	29.600	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH3	3300	29.203	0.189	0.1	0.0000	0.0000	OK
5760 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	MH6	2640	29.512	0.011	0.2	0.0018	0.0000	OK
5760 minute summer	MH7	3300	29.204	0.189	0.2	0.0000	0.0000	OK
5760 minute summer	MH8	2820	29.700	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH9	3300	29.203	0.189	0.1	0.0000	0.0000	OK
5760 minute summer	MH10	3300	29.203	0.212	0.2	0.0600	0.0000	SURCHARGED
5760 minute summer	MH11	3480	28.864	0.014	0.2	0.0040	0.0000	OK
5760 minute summer	MH12	3420	28.763	0.003	0.2	0.0007	0.0000	OK
5760 minute summer	MH13	2820	29.609	0.009	0.1	0.0026	0.0000	OK
5760 minute summer	MH14	2820	29.469	0.009	0.1	0.0025	0.0000	OK
5760 minute summer	MH15	3480	29.243	0.108	0.1	0.0000	0.0000	OK
5760 minute summer	MH16	2400	29.609	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH17	2400	29.497	0.007	0.1	0.0011	0.0000	OK
5760 minute summer	MH18	3480	29.243	0.108	0.1	0.0000	0.0000	OK
5760 minute summer	MH19	3480	29.243	0.123	0.1	0.0347	0.0000	SURCHARGED
5760 minute summer	MH20	2520	29.609	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH21	2520	29.509	0.009	0.1	0.0014	0.0000	OK
5760 minute summer	MH22	3360	29.180	0.052	0.1	0.0000	0.0000	OK
5760 minute summer	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	MH25	3360	29.180	0.052	0.0	0.0000	0.0000	OK
5760 minute summer	MH26	3360	29.180	0.080	0.1	0.0227	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	MH1	1.000	MH2	0.1	0.295	0.016	0.0032	34.5
5760 minute summer	MH2	1.001	MH3	0.1	0.294	0.016	0.0039	
5760 minute summer	MH3	Flow through Pond	MH10	0.2	0.003	0.000	10.8607	
5760 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
5760 minute summer	MH5	2.001	MH6	0.0	0.000	0.000	0.0029	
5760 minute summer	MH6	2.002	MH7	0.2	0.337	0.011	0.0046	
5760 minute summer	MH7	Flow through Pond	MH10	0.2	0.003	0.000	10.8607	
5760 minute summer	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
5760 minute summer	MH9	Flow through Pond	MH10	0.2	0.003	0.000	10.8607	
5760 minute summer	MH10	1.002	MH11	0.1	0.178	0.008	0.0138	
5760 minute summer	MH11	1.003	MH12	0.2	0.480	0.013	0.0061	
5760 minute summer	MH12	Weir		0.2				
5760 minute summer	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
5760 minute summer	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
5760 minute summer	MH15	Flow through Pond	MH19	0.1	0.005	0.000	5.3642	
5760 minute summer	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
5760 minute summer	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
5760 minute summer	MH18	Flow through Pond	MH19	0.1	0.005	0.000	5.3642	
5760 minute summer	MH19	4.002	MH11	0.1	0.186	0.005	0.0019	
5760 minute summer	MH20	6.000	MH21	0.1	0.296	0.016	0.0031	
5760 minute summer	MH21	6.001	MH22	0.1	0.294	0.016	0.0032	
5760 minute summer	MH22	Flow through Pond	MH26	0.1	0.009	0.000	3.0758	
5760 minute summer	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
5760 minute summer	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
5760 minute summer	MH25	Flow through Pond	MH26	0.1	0.009	0.000	3.0758	
5760 minute summer	MH26	6.002	MH12	0.1	0.423	0.004	0.0005	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH3	4140	29.132	0.118	0.0	0.0000	0.0000	OK
5760 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH6	2760	29.512	0.011	0.2	0.0018	0.0000	OK
5760 minute winter	MH7	4140	29.132	0.118	0.2	0.0000	0.0000	OK
5760 minute winter	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH9	4140	29.132	0.118	0.0	0.0000	0.0000	OK
5760 minute winter	MH10	4140	29.132	0.141	0.1	0.0399	0.0000	OK
5760 minute winter	MH11	3660	28.863	0.013	0.2	0.0037	0.0000	OK
5760 minute winter	MH12	3420	28.762	0.002	0.2	0.0007	0.0000	OK
5760 minute winter	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH15	3600	29.220	0.084	0.0	0.0000	0.0000	OK
5760 minute winter	MH16	2280	29.609	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	MH17	2280	29.497	0.007	0.1	0.0011	0.0000	OK
5760 minute winter	MH18	3600	29.220	0.085	0.1	0.0000	0.0000	OK
5760 minute winter	MH19	3600	29.220	0.099	0.1	0.0282	0.0000	OK
5760 minute winter	MH20	2520	29.609	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	MH21	2520	29.509	0.009	0.1	0.0014	0.0000	OK
5760 minute winter	MH22	3360	29.180	0.052	0.1	0.0000	0.0000	OK
5760 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH25	3360	29.180	0.052	0.0	0.0000	0.0000	OK
5760 minute winter	MH26	3360	29.180	0.080	0.1	0.0227	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	31.7
5760 minute winter	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
5760 minute winter	MH3	Flow through Pond	MH10	0.1	0.003	0.000	7.0033	
5760 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
5760 minute winter	MH5	2.001	MH6	0.0	0.000	0.000	0.0029	
5760 minute winter	MH6	2.002	MH7	0.2	0.337	0.011	0.0046	
5760 minute winter	MH7	Flow through Pond	MH10	0.1	0.003	0.000	7.0033	
5760 minute winter	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
5760 minute winter	MH9	Flow through Pond	MH10	0.1	0.003	0.000	7.0033	
5760 minute winter	MH10	1.002	MH11	0.1	0.168	0.006	0.0120	
5760 minute winter	MH11	1.003	MH12	0.2	0.456	0.011	0.0054	
5760 minute winter	MH12	Weir		0.2				
5760 minute winter	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
5760 minute winter	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
5760 minute winter	MH15	Flow through Pond	MH19	0.1	0.005	0.000	4.2828	
5760 minute winter	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
5760 minute winter	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
5760 minute winter	MH18	Flow through Pond	MH19	0.1	0.005	0.000	4.2828	
5760 minute winter	MH19	4.002	MH11	0.1	0.186	0.004	0.0017	
5760 minute winter	MH20	6.000	MH21	0.1	0.296	0.016	0.0031	
5760 minute winter	MH21	6.001	MH22	0.1	0.294	0.016	0.0032	
5760 minute winter	MH22	Flow through Pond	MH26	0.1	0.009	0.000	3.0758	
5760 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
5760 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
5760 minute winter	MH25	Flow through Pond	MH26	0.1	0.009	0.000	3.0758	
5760 minute winter	MH26	6.002	MH12	0.1	0.423	0.004	0.0005	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	MH1	3660	29.700	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH2	3660	29.600	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH3	4020	29.161	0.147	0.1	0.0000	0.0000	OK
7200 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	MH6	3360	29.512	0.011	0.2	0.0018	0.0000	OK
7200 minute summer	MH7	4020	29.162	0.147	0.2	0.0000	0.0000	OK
7200 minute summer	MH8	3660	29.700	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH9	4020	29.161	0.147	0.1	0.0000	0.0000	OK
7200 minute summer	MH10	4020	29.161	0.170	0.2	0.0481	0.0000	SURCHARGED
7200 minute summer	MH11	4260	28.864	0.014	0.2	0.0038	0.0000	OK
7200 minute summer	MH12	4140	28.762	0.002	0.2	0.0007	0.0000	OK
7200 minute summer	MH13	3660	29.609	0.009	0.1	0.0026	0.0000	OK
7200 minute summer	MH14	3660	29.469	0.009	0.1	0.0025	0.0000	OK
7200 minute summer	MH15	4260	29.225	0.090	0.1	0.0000	0.0000	OK
7200 minute summer	MH16	3060	29.609	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH17	3060	29.497	0.007	0.1	0.0011	0.0000	OK
7200 minute summer	MH18	4260	29.225	0.090	0.1	0.0000	0.0000	OK
7200 minute summer	MH19	4260	29.225	0.105	0.1	0.0297	0.0000	SURCHARGED
7200 minute summer	MH20	3240	29.609	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH21	3240	29.509	0.009	0.1	0.0014	0.0000	OK
7200 minute summer	MH22	4080	29.180	0.052	0.1	0.0000	0.0000	OK
7200 minute summer	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	MH25	4080	29.180	0.052	0.0	0.0000	0.0000	OK
7200 minute summer	MH26	4080	29.180	0.080	0.1	0.0227	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	MH1	1.000	MH2	0.1	0.295	0.016	0.0032	32.9
7200 minute summer	MH2	1.001	MH3	0.1	0.294	0.016	0.0039	
7200 minute summer	MH3	Flow through Pond	MH10	0.2	0.003	0.000	8.5869	
7200 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
7200 minute summer	MH5	2.001	MH6	0.0	0.000	0.000	0.0029	
7200 minute summer	MH6	2.002	MH7	0.2	0.337	0.011	0.0046	
7200 minute summer	MH7	Flow through Pond	MH10	0.2	0.003	0.000	8.5869	
7200 minute summer	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
7200 minute summer	MH9	Flow through Pond	MH10	0.2	0.003	0.000	8.5869	
7200 minute summer	MH10	1.002	MH11	0.1	0.173	0.007	0.0128	
7200 minute summer	MH11	1.003	MH12	0.2	0.466	0.012	0.0057	
7200 minute summer	MH12	Weir		0.2				
7200 minute summer	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
7200 minute summer	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
7200 minute summer	MH15	Flow through Pond	MH19	0.1	0.005	0.000	4.5445	
7200 minute summer	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
7200 minute summer	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
7200 minute summer	MH18	Flow through Pond	MH19	0.1	0.005	0.000	4.5445	
7200 minute summer	MH19	4.002	MH11	0.1	0.183	0.004	0.0018	
7200 minute summer	MH20	6.000	MH21	0.1	0.296	0.016	0.0031	
7200 minute summer	MH21	6.001	MH22	0.1	0.294	0.016	0.0032	
7200 minute summer	MH22	Flow through Pond	MH26	0.1	0.009	0.000	3.0758	
7200 minute summer	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
7200 minute summer	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
7200 minute summer	MH25	Flow through Pond	MH26	0.1	0.009	0.000	3.0758	
7200 minute summer	MH26	6.002	MH12	0.1	0.423	0.004	0.0005	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH3	5040	29.108	0.094	0.0	0.0000	0.0000	OK
7200 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH6	2280	29.509	0.008	0.1	0.0013	0.0000	OK
7200 minute winter	MH7	5040	29.108	0.094	0.1	0.0000	0.0000	OK
7200 minute winter	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH9	5040	29.108	0.094	0.0	0.0000	0.0000	OK
7200 minute winter	MH10	5040	29.108	0.117	0.1	0.0331	0.0000	OK
7200 minute winter	MH11	4380	28.863	0.013	0.1	0.0036	0.0000	OK
7200 minute winter	MH12	4200	28.762	0.002	0.2	0.0006	0.0000	OK
7200 minute winter	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH15	4320	29.220	0.084	0.0	0.0000	0.0000	OK
7200 minute winter	MH16	3000	29.609	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	MH17	3000	29.497	0.007	0.1	0.0011	0.0000	OK
7200 minute winter	MH18	4320	29.220	0.085	0.1	0.0000	0.0000	OK
7200 minute winter	MH19	4320	29.220	0.099	0.1	0.0282	0.0000	OK
7200 minute winter	MH20	3360	29.609	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	MH21	3360	29.509	0.009	0.1	0.0014	0.0000	OK
7200 minute winter	MH22	4020	29.167	0.039	0.1	0.0000	0.0000	OK
7200 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH25	4020	29.167	0.039	0.0	0.0000	0.0000	OK
7200 minute winter	MH26	4020	29.167	0.067	0.1	0.0189	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	30.1
7200 minute winter	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
7200 minute winter	MH3	Flow through Pond	MH10	0.1	0.003	0.000	5.7112	
7200 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
7200 minute winter	MH5	2.001	MH6	0.0	0.000	0.000	0.0018	
7200 minute winter	MH6	2.002	MH7	0.1	0.273	0.006	0.0029	
7200 minute winter	MH7	Flow through Pond	MH10	0.1	0.003	0.000	5.7112	
7200 minute winter	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
7200 minute winter	MH9	Flow through Pond	MH10	0.1	0.003	0.000	5.7112	
7200 minute winter	MH10	1.002	MH11	0.1	0.167	0.006	0.0112	
7200 minute winter	MH11	1.003	MH12	0.1	0.448	0.010	0.0051	
7200 minute winter	MH12	Weir		0.2				
7200 minute winter	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
7200 minute winter	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
7200 minute winter	MH15	Flow through Pond	MH19	0.1	0.005	0.000	4.2828	
7200 minute winter	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
7200 minute winter	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
7200 minute winter	MH18	Flow through Pond	MH19	0.1	0.005	0.000	4.2828	
7200 minute winter	MH19	4.002	MH11	0.1	0.194	0.004	0.0016	
7200 minute winter	MH20	6.000	MH21	0.1	0.296	0.016	0.0031	
7200 minute winter	MH21	6.001	MH22	0.1	0.294	0.016	0.0032	
7200 minute winter	MH22	Flow through Pond	MH26	0.1	0.009	0.000	2.4578	
7200 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
7200 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
7200 minute winter	MH25	Flow through Pond	MH26	0.1	0.009	0.000	2.4578	
7200 minute winter	MH26	6.002	MH12	0.1	0.412	0.004	0.0004	

Results for 30 year 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH3	5520	29.138	0.124	0.0	0.0000	0.0000	OK
8640 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH6	4140	29.512	0.011	0.2	0.0018	0.0000	OK
8640 minute summer	MH7	5520	29.139	0.124	0.2	0.0000	0.0000	OK
8640 minute summer	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH9	5520	29.138	0.124	0.0	0.0000	0.0000	OK
8640 minute summer	MH10	5520	29.138	0.147	0.1	0.0416	0.0000	OK
8640 minute summer	MH11	5040	28.863	0.013	0.2	0.0037	0.0000	OK
8640 minute summer	MH12	4800	28.762	0.002	0.2	0.0007	0.0000	OK
8640 minute summer	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH15	4980	29.214	0.079	0.0	0.0000	0.0000	OK
8640 minute summer	MH16	3780	29.609	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH17	3780	29.497	0.007	0.1	0.0011	0.0000	OK
8640 minute summer	MH18	4980	29.214	0.079	0.1	0.0000	0.0000	OK
8640 minute summer	MH19	4980	29.214	0.094	0.1	0.0266	0.0000	OK
8640 minute summer	MH20	4020	29.609	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH21	4020	29.509	0.009	0.1	0.0014	0.0000	OK
8640 minute summer	MH22	4740	29.174	0.046	0.1	0.0000	0.0000	OK
8640 minute summer	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH25	4740	29.174	0.046	0.0	0.0000	0.0000	OK
8640 minute summer	MH26	4740	29.174	0.074	0.1	0.0208	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	30.9
8640 minute summer	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
8640 minute summer	MH3	Flow through Pond	MH10	0.1	0.003	0.000	7.3412	
8640 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
8640 minute summer	MH5	2.001	MH6	0.0	0.000	0.000	0.0029	
8640 minute summer	MH6	2.002	MH7	0.2	0.337	0.011	0.0046	
8640 minute summer	MH7	Flow through Pond	MH10	0.1	0.003	0.000	7.3412	
8640 minute summer	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
8640 minute summer	MH9	Flow through Pond	MH10	0.1	0.003	0.000	7.3412	
8640 minute summer	MH10	1.002	MH11	0.1	0.170	0.006	0.0121	
8640 minute summer	MH11	1.003	MH12	0.2	0.457	0.011	0.0054	
8640 minute summer	MH12	Weir		0.2				
8640 minute summer	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
8640 minute summer	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
8640 minute summer	MH15	Flow through Pond	MH19	0.1	0.005	0.000	4.0306	
8640 minute summer	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
8640 minute summer	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
8640 minute summer	MH18	Flow through Pond	MH19	0.1	0.005	0.000	4.0306	
8640 minute summer	MH19	4.002	MH11	0.1	0.181	0.004	0.0017	
8640 minute summer	MH20	6.000	MH21	0.1	0.296	0.016	0.0031	
8640 minute summer	MH21	6.001	MH22	0.1	0.294	0.016	0.0032	
8640 minute summer	MH22	Flow through Pond	MH26	0.1	0.009	0.000	2.7736	
8640 minute summer	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
8640 minute summer	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
8640 minute summer	MH25	Flow through Pond	MH26	0.1	0.009	0.000	2.7736	
8640 minute summer	MH26	6.002	MH12	0.1	0.418	0.004	0.0004	

Results for 30 year 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH3	5940	29.114	0.100	0.0	0.0000	0.0000	OK
8640 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH6	2820	29.509	0.008	0.1	0.0013	0.0000	OK
8640 minute winter	MH7	5940	29.114	0.100	0.1	0.0000	0.0000	OK
8640 minute winter	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH9	5940	29.114	0.100	0.0	0.0000	0.0000	OK
8640 minute winter	MH10	5940	29.114	0.123	0.1	0.0348	0.0000	OK
8640 minute winter	MH11	5040	28.863	0.013	0.1	0.0036	0.0000	OK
8640 minute winter	MH12	5040	28.762	0.002	0.1	0.0005	0.0000	OK
8640 minute winter	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH15	4980	29.214	0.079	0.0	0.0000	0.0000	OK
8640 minute winter	MH16	3780	29.609	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	MH17	3780	29.497	0.007	0.1	0.0011	0.0000	OK
8640 minute winter	MH18	4980	29.214	0.079	0.1	0.0000	0.0000	OK
8640 minute winter	MH19	4980	29.214	0.094	0.1	0.0266	0.0000	OK
8640 minute winter	MH20	60	29.600	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH21	60	29.500	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH22	60	29.128	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH25	60	29.128	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH26	60	29.100	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)	Discharge Vol (m³)
8640 minute winter	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	27.3
8640 minute winter	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
8640 minute winter	MH3	Flow through Pond	MH10	0.1	0.003	0.000	6.0285	
8640 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
8640 minute winter	MH5	2.001	MH6	0.0	0.000	0.000	0.0018	
8640 minute winter	MH6	2.002	MH7	0.1	0.273	0.006	0.0029	
8640 minute winter	MH7	Flow through Pond	MH10	0.1	0.003	0.000	6.0285	
8640 minute winter	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
8640 minute winter	MH9	Flow through Pond	MH10	0.1	0.003	0.000	6.0285	
8640 minute winter	MH10	1.002	MH11	0.1	0.172	0.006	0.0114	
8640 minute winter	MH11	1.003	MH12	0.1	0.456	0.010	0.0051	
8640 minute winter	MH12	Weir		0.1				
8640 minute winter	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
8640 minute winter	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
8640 minute winter	MH15	Flow through Pond	MH19	0.1	0.005	0.000	4.0306	
8640 minute winter	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
8640 minute winter	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
8640 minute winter	MH18	Flow through Pond	MH19	0.1	0.005	0.000	4.0306	
8640 minute winter	MH19	4.002	MH11	0.1	0.187	0.004	0.0017	
8640 minute winter	MH20	6.000	MH21	0.0	0.000	0.000	0.0000	
8640 minute winter	MH21	6.001	MH22	0.0	0.000	0.000	0.0000	
8640 minute winter	MH22	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
8640 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
8640 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
8640 minute winter	MH25	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
8640 minute winter	MH26	6.002	MH12	0.0	0.000	0.000	0.0000	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH3	6360	29.134	0.120	0.0	0.0000	0.0000	OK
10080 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH6	4920	29.512	0.011	0.2	0.0018	0.0000	OK
10080 minute summer	MH7	6360	29.134	0.120	0.2	0.0000	0.0000	OK
10080 minute summer	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH9	6360	29.134	0.120	0.0	0.0000	0.0000	OK
10080 minute summer	MH10	6360	29.134	0.143	0.1	0.0404	0.0000	OK
10080 minute summer	MH11	5760	28.863	0.013	0.2	0.0037	0.0000	OK
10080 minute summer	MH12	5520	28.762	0.002	0.2	0.0007	0.0000	OK
10080 minute summer	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH15	5700	29.214	0.079	0.0	0.0000	0.0000	OK
10080 minute summer	MH16	4500	29.609	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH17	4500	29.497	0.007	0.1	0.0011	0.0000	OK
10080 minute summer	MH18	5700	29.214	0.079	0.1	0.0000	0.0000	OK
10080 minute summer	MH19	5700	29.214	0.094	0.1	0.0266	0.0000	OK
10080 minute summer	MH20	4740	29.609	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH21	4740	29.509	0.009	0.1	0.0014	0.0000	OK
10080 minute summer	MH22	5460	29.174	0.046	0.1	0.0000	0.0000	OK
10080 minute summer	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH25	5460	29.174	0.046	0.0	0.0000	0.0000	OK
10080 minute summer	MH26	5460	29.174	0.074	0.1	0.0208	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	31.6
10080 minute summer	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
10080 minute summer	MH3	Flow through Pond	MH10	0.1	0.003	0.000	7.1000	
10080 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
10080 minute summer	MH5	2.001	MH6	0.0	0.000	0.000	0.0029	
10080 minute summer	MH6	2.002	MH7	0.2	0.337	0.011	0.0046	
10080 minute summer	MH7	Flow through Pond	MH10	0.1	0.003	0.000	7.1000	
10080 minute summer	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
10080 minute summer	MH9	Flow through Pond	MH10	0.1	0.003	0.000	7.1000	
10080 minute summer	MH10	1.002	MH11	0.1	0.170	0.006	0.0120	
10080 minute summer	MH11	1.003	MH12	0.2	0.455	0.011	0.0053	
10080 minute summer	MH12	Weir		0.2				
10080 minute summer	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
10080 minute summer	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
10080 minute summer	MH15	Flow through Pond	MH19	0.1	0.005	0.000	4.0306	
10080 minute summer	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
10080 minute summer	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
10080 minute summer	MH18	Flow through Pond	MH19	0.1	0.005	0.000	4.0306	
10080 minute summer	MH19	4.002	MH11	0.1	0.183	0.004	0.0017	
10080 minute summer	MH20	6.000	MH21	0.1	0.296	0.016	0.0031	
10080 minute summer	MH21	6.001	MH22	0.1	0.294	0.016	0.0032	
10080 minute summer	MH22	Flow through Pond	MH26	0.1	0.009	0.000	2.7736	
10080 minute summer	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
10080 minute summer	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
10080 minute summer	MH25	Flow through Pond	MH26	0.1	0.009	0.000	2.7736	
10080 minute summer	MH26	6.002	MH12	0.1	0.418	0.004	0.0004	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH3	6840	29.119	0.104	0.0	0.0000	0.0000	OK
10080 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH6	3420	29.509	0.008	0.1	0.0013	0.0000	OK
10080 minute winter	MH7	6840	29.119	0.104	0.1	0.0000	0.0000	OK
10080 minute winter	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH9	6840	29.119	0.104	0.0	0.0000	0.0000	OK
10080 minute winter	MH10	6840	29.118	0.127	0.2	0.0360	0.0000	OK
10080 minute winter	MH11	5700	28.863	0.013	0.1	0.0036	0.0000	OK
10080 minute winter	MH12	5700	28.762	0.002	0.1	0.0005	0.0000	OK
10080 minute winter	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH15	5640	29.209	0.073	0.0	0.0000	0.0000	OK
10080 minute winter	MH16	4560	29.609	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	MH17	4560	29.497	0.007	0.1	0.0011	0.0000	OK
10080 minute winter	MH18	5640	29.209	0.073	0.1	0.0000	0.0000	OK
10080 minute winter	MH19	5640	29.208	0.088	0.1	0.0250	0.0000	OK
10080 minute winter	MH20	60	29.600	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH21	60	29.500	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH22	60	29.128	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH25	60	29.128	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH26	60	29.100	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)	Discharge Vol (m³)
10080 minute winter	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	28.4
10080 minute winter	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
10080 minute winter	MH3	Flow through Pond	MH10	0.2	0.003	0.000	6.2614	
10080 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
10080 minute winter	MH5	2.001	MH6	0.0	0.000	0.000	0.0018	
10080 minute winter	MH6	2.002	MH7	0.1	0.273	0.006	0.0029	
10080 minute winter	MH7	Flow through Pond	MH10	0.2	0.003	0.000	6.2614	
10080 minute winter	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
10080 minute winter	MH9	Flow through Pond	MH10	0.2	0.003	0.000	6.2614	
10080 minute winter	MH10	1.002	MH11	0.1	0.175	0.006	0.0113	
10080 minute winter	MH11	1.003	MH12	0.1	0.455	0.010	0.0050	
10080 minute winter	MH12	Weir		0.1				
10080 minute winter	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
10080 minute winter	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
10080 minute winter	MH15	Flow through Pond	MH19	0.1	0.005	0.000	3.7651	
10080 minute winter	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
10080 minute winter	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
10080 minute winter	MH18	Flow through Pond	MH19	0.1	0.005	0.000	3.7651	
10080 minute winter	MH19	4.002	MH11	0.1	0.183	0.004	0.0016	
10080 minute winter	MH20	6.000	MH21	0.0	0.000	0.000	0.0000	
10080 minute winter	MH21	6.001	MH22	0.0	0.000	0.000	0.0000	
10080 minute winter	MH22	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
10080 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
10080 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
10080 minute winter	MH25	Flow through Pond	MH26	0.0	0.000	0.000	0.0014	
10080 minute winter	MH26	6.002	MH12	0.0	0.000	0.000	0.0000	

Results for 100 year 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 96.29%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	MH1	10	29.742	0.051	3.3	0.0000	0.0000	OK
15 minute summer	MH2	10	29.661	0.070	5.3	0.0000	0.0000	OK
15 minute summer	MH3	22	29.204	0.190	5.2	0.0000	0.0000	OK
15 minute summer	MH4	11	29.722	0.031	1.3	0.0000	0.0000	OK
15 minute summer	MH5	10	29.679	0.058	3.9	0.0000	0.0000	OK
15 minute summer	MH6	10	29.624	0.123	17.0	0.0195	0.0000	OK
15 minute summer	MH7	22	29.204	0.190	16.9	0.0000	0.0000	OK
15 minute summer	MH8	10	29.743	0.052	3.3	0.0000	0.0000	OK
15 minute summer	MH9	22	29.204	0.190	3.3	0.0000	0.0000	OK
15 minute summer	MH10	20	29.203	0.212	15.0	0.0601	0.0000	SURCHARGED
15 minute summer	MH11	25	28.864	0.014	0.2	0.0040	0.0000	OK
15 minute summer	MH12	24	28.763	0.003	0.2	0.0007	0.0000	OK
15 minute summer	MH13	10	29.654	0.054	3.3	0.0153	0.0000	OK
15 minute summer	MH14	10	29.514	0.054	3.3	0.0152	0.0000	OK
15 minute summer	MH15	21	29.226	0.090	3.2	0.0000	0.0000	OK
15 minute summer	MH16	10	29.686	0.086	6.6	0.0000	0.0000	OK
15 minute summer	MH17	10	29.549	0.059	7.8	0.0093	0.0000	OK
15 minute summer	MH18	21	29.226	0.090	7.8	0.0000	0.0000	OK
15 minute summer	MH19	22	29.225	0.105	7.7	0.0298	0.0000	SURCHARGED
15 minute summer	MH20	11	29.695	0.095	5.2	0.0000	0.0000	OK
15 minute summer	MH21	11	29.632	0.132	7.5	0.0209	0.0000	SURCHARGED
15 minute summer	MH22	12	29.249	0.121	7.3	0.0000	0.0000	OK
15 minute summer	MH23	10	29.639	0.039	2.0	0.0062	0.0000	OK
15 minute summer	MH24	10	29.522	0.052	4.0	0.0082	0.0000	OK
15 minute summer	MH25	21	29.219	0.091	3.9	0.0000	0.0000	OK
15 minute summer	MH26	23	29.219	0.119	9.6	0.0336	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	MH1	1.000	MH2	3.3	0.657	0.522	0.0461	3.5
15 minute summer	MH2	1.001	MH3	5.2	0.886	0.839	0.0671	
15 minute summer	MH3	Flow through Pond	MH10	14.0	0.105	0.002	10.8659	
15 minute summer	MH4	2.000	MH5	1.3	0.386	0.214	0.0237	
15 minute summer	MH5	2.001	MH6	3.9	0.552	0.642	0.0752	
15 minute summer	MH6	2.002	MH7	16.9	1.129	0.937	0.1161	
15 minute summer	MH7	Flow through Pond	MH10	14.0	0.105	0.002	10.8659	
15 minute summer	MH8	3.000	MH9	3.3	0.787	0.540	0.0468	
15 minute summer	MH9	Flow through Pond	MH10	14.0	0.105	0.002	10.8659	
15 minute summer	MH10	1.002	MH11	0.1	0.240	0.008	0.0136	
15 minute summer	MH11	1.003	MH12	0.2	0.473	0.012	0.0060	
15 minute summer	MH12	Weir		0.2				
15 minute summer	MH13	4.000	MH14	3.3	0.757	0.540	0.0603	
15 minute summer	MH14	4.001	MH15	3.2	0.772	0.523	0.0161	
15 minute summer	MH15	Flow through Pond	MH19	7.7	0.087	0.003	4.5375	
15 minute summer	MH16	5.000	MH17	6.5	1.074	1.007	0.0572	
15 minute summer	MH17	5.001	MH18	7.8	1.262	0.296	0.0339	
15 minute summer	MH18	Flow through Pond	MH19	7.7	0.087	0.003	4.5375	
15 minute summer	MH19	4.002	MH11	0.1	0.268	0.004	0.0019	
15 minute summer	MH20	6.000	MH21	4.9	0.695	0.778	0.0710	
15 minute summer	MH21	6.001	MH22	7.3	0.941	1.181	0.0711	
15 minute summer	MH22	Flow through Pond	MH26	9.6	0.131	0.007	4.8370	
15 minute summer	MH23	7.000	MH24	2.0	0.576	0.322	0.0430	
15 minute summer	MH24	7.001	MH25	3.9	1.005	0.479	0.0149	
15 minute summer	MH25	Flow through Pond	MH26	9.6	0.131	0.007	4.8370	
15 minute summer	MH26	6.002	MH12	0.1	0.449	0.005	0.0005	

Results for 100 year 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 96.29%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	MH1	10	29.740	0.049	3.1	0.0000	0.0000	OK
15 minute winter	MH2	10	29.657	0.066	4.9	0.0000	0.0000	OK
15 minute winter	MH3	22	29.204	0.190	4.8	0.0000	0.0000	OK
15 minute winter	MH4	11	29.721	0.030	1.2	0.0000	0.0000	OK
15 minute winter	MH5	10	29.677	0.056	3.7	0.0000	0.0000	OK
15 minute winter	MH6	10	29.617	0.116	16.0	0.0184	0.0000	OK
15 minute winter	MH7	22	29.204	0.190	15.8	0.0000	0.0000	OK
15 minute winter	MH8	10	29.741	0.050	3.1	0.0000	0.0000	OK
15 minute winter	MH9	22	29.204	0.189	3.1	0.0000	0.0000	OK
15 minute winter	MH10	24	29.203	0.212	15.3	0.0601	0.0000	SURCHARGED
15 minute winter	MH11	25	28.864	0.014	0.2	0.0040	0.0000	OK
15 minute winter	MH12	24	28.763	0.003	0.2	0.0007	0.0000	OK
15 minute winter	MH13	10	29.652	0.052	3.1	0.0147	0.0000	OK
15 minute winter	MH14	10	29.512	0.052	3.1	0.0146	0.0000	OK
15 minute winter	MH15	23	29.226	0.091	3.0	0.0000	0.0000	OK
15 minute winter	MH16	10	29.681	0.081	6.2	0.0000	0.0000	OK
15 minute winter	MH17	10	29.546	0.056	7.3	0.0090	0.0000	OK
15 minute winter	MH18	23	29.226	0.091	7.3	0.0000	0.0000	OK
15 minute winter	MH19	24	29.226	0.106	6.0	0.0299	0.0000	SURCHARGED
15 minute winter	MH20	11	29.667	0.067	4.9	0.0000	0.0000	OK
15 minute winter	MH21	11	29.621	0.121	7.3	0.0192	0.0000	SURCHARGED
15 minute winter	MH22	11	29.244	0.115	7.1	0.0000	0.0000	OK
15 minute winter	MH23	10	29.637	0.037	1.8	0.0058	0.0000	OK
15 minute winter	MH24	10	29.518	0.048	3.6	0.0077	0.0000	OK
15 minute winter	MH25	21	29.218	0.090	3.5	0.0000	0.0000	OK
15 minute winter	MH26	23	29.217	0.117	7.9	0.0332	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	MH1	1.000	MH2	3.1	0.655	0.490	0.0435	
15 minute winter	MH2	1.001	MH3	4.8	0.873	0.775	0.0628	
15 minute winter	MH3	Flow through Pond	MH10	14.1	0.112	0.002	10.8538	
15 minute winter	MH4	2.000	MH5	1.2	0.379	0.198	0.0226	
15 minute winter	MH5	2.001	MH6	3.7	0.527	0.606	0.0740	
15 minute winter	MH6	2.002	MH7	15.8	1.120	0.879	0.1099	
15 minute winter	MH7	Flow through Pond	MH10	14.1	0.112	0.002	10.8538	
15 minute winter	MH8	3.000	MH9	3.1	0.775	0.507	0.0447	
15 minute winter	MH9	Flow through Pond	MH10	14.1	0.112	0.002	10.8538	
15 minute winter	MH10	1.002	MH11	0.1	0.240	0.008	0.0136	
15 minute winter	MH11	1.003	MH12	0.2	0.473	0.012	0.0060	
15 minute winter	MH12	Weir		0.2				3.5
15 minute winter	MH13	4.000	MH14	3.1	0.746	0.507	0.0574	
15 minute winter	MH14	4.001	MH15	3.0	0.760	0.490	0.0153	
15 minute winter	MH15	Flow through Pond	MH19	6.0	0.090	0.002	4.5544	
15 minute winter	MH16	5.000	MH17	6.1	1.066	0.944	0.0543	
15 minute winter	MH17	5.001	MH18	7.3	1.239	0.276	0.0323	
15 minute winter	MH18	Flow through Pond	MH19	6.0	0.090	0.002	4.5544	
15 minute winter	MH19	4.002	MH11	0.1	0.267	0.004	0.0019	
15 minute winter	MH20	6.000	MH21	4.8	0.699	0.762	0.0613	
15 minute winter	MH21	6.001	MH22	7.1	0.910	1.140	0.0707	
15 minute winter	MH22	Flow through Pond	MH26	7.9	0.138	0.005	4.7784	
15 minute winter	MH23	7.000	MH24	1.8	0.561	0.289	0.0397	
15 minute winter	MH24	7.001	MH25	3.5	0.979	0.431	0.0137	
15 minute winter	MH25	Flow through Pond	MH26	7.9	0.138	0.005	4.7784	
15 minute winter	MH26	6.002	MH12	0.1	0.448	0.005	0.0005	

Results for 100 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 96.15%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	MH1	18	29.740	0.049	3.0	0.0000	0.0000	OK
30 minute summer	MH2	18	29.657	0.066	4.8	0.0000	0.0000	OK
30 minute summer	MH3	36	29.271	0.257	4.8	0.0000	0.0000	OK
30 minute summer	MH4	18	29.721	0.030	1.2	0.0000	0.0000	OK
30 minute summer	MH5	18	29.676	0.055	3.6	0.0000	0.0000	OK
30 minute summer	MH6	18	29.615	0.114	15.6	0.0181	0.0000	OK
30 minute summer	MH7	36	29.271	0.257	15.6	0.0000	0.0000	OK
30 minute summer	MH8	18	29.741	0.050	3.0	0.0000	0.0000	OK
30 minute summer	MH9	36	29.271	0.257	3.0	0.0000	0.0000	OK
30 minute summer	MH10	37	29.271	0.280	14.1	0.0793	0.0000	SURCHARGED
30 minute summer	MH11	39	28.865	0.015	0.2	0.0042	0.0000	OK
30 minute summer	MH12	39	28.763	0.003	0.3	0.0008	0.0000	OK
30 minute summer	MH13	18	29.651	0.051	3.0	0.0145	0.0000	OK
30 minute summer	MH14	18	29.511	0.051	3.0	0.0146	0.0000	OK
30 minute summer	MH15	38	29.258	0.123	3.0	0.0000	0.0000	OK
30 minute summer	MH16	18	29.679	0.079	6.0	0.0000	0.0000	OK
30 minute summer	MH17	18	29.546	0.056	7.2	0.0089	0.0000	OK
30 minute summer	MH18	38	29.258	0.123	7.2	0.0000	0.0000	OK
30 minute summer	MH19	36	29.258	0.138	5.0	0.0390	0.0000	SURCHARGED
30 minute summer	MH20	18	29.667	0.067	4.8	0.0000	0.0000	OK
30 minute summer	MH21	18	29.620	0.120	7.1	0.0191	0.0000	SURCHARGED
30 minute summer	MH22	37	29.252	0.124	7.0	0.0000	0.0000	OK
30 minute summer	MH23	18	29.637	0.037	1.8	0.0059	0.0000	OK
30 minute summer	MH24	18	29.519	0.049	3.6	0.0077	0.0000	OK
30 minute summer	MH25	37	29.252	0.124	3.6	0.0000	0.0000	OK
30 minute summer	MH26	36	29.252	0.152	5.5	0.0430	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	MH1	1.000	MH2	3.0	0.647	0.479	0.0432	4.2
30 minute summer	MH2	1.001	MH3	4.8	0.875	0.776	0.0628	
30 minute summer	MH3	Flow through Pond	MH10	12.9	0.100	0.002	14.5403	
30 minute summer	MH4	2.000	MH5	1.2	0.375	0.198	0.0223	
30 minute summer	MH5	2.001	MH6	3.6	0.520	0.596	0.0736	
30 minute summer	MH6	2.002	MH7	15.6	1.120	0.867	0.1084	
30 minute summer	MH7	Flow through Pond	MH10	12.9	0.100	0.002	14.5403	
30 minute summer	MH8	3.000	MH9	3.0	0.772	0.497	0.0439	
30 minute summer	MH9	Flow through Pond	MH10	12.9	0.100	0.002	14.5403	
30 minute summer	MH10	1.002	MH11	0.1	0.229	0.009	0.0150	
30 minute summer	MH11	1.003	MH12	0.2	0.493	0.014	0.0066	
30 minute summer	MH12	Weir		0.3				
30 minute summer	MH13	4.000	MH14	3.0	0.741	0.497	0.0567	
30 minute summer	MH14	4.001	MH15	3.0	0.760	0.488	0.0152	
30 minute summer	MH15	Flow through Pond	MH19	5.0	0.063	0.002	6.0711	
30 minute summer	MH16	5.000	MH17	6.0	1.064	0.926	0.0535	
30 minute summer	MH17	5.001	MH18	7.2	1.237	0.273	0.0320	
30 minute summer	MH18	Flow through Pond	MH19	5.0	0.063	0.002	6.0711	
30 minute summer	MH19	4.002	MH11	0.1	0.242	0.005	0.0020	
30 minute summer	MH20	6.000	MH21	4.7	0.702	0.749	0.0614	
30 minute summer	MH21	6.001	MH22	7.0	0.907	1.136	0.0707	
30 minute summer	MH22	Flow through Pond	MH26	5.5	0.100	0.004	6.3988	
30 minute summer	MH23	7.000	MH24	1.8	0.563	0.292	0.0400	
30 minute summer	MH24	7.001	MH25	3.6	0.984	0.437	0.0139	
30 minute summer	MH25	Flow through Pond	MH26	5.5	0.100	0.004	6.3988	
30 minute summer	MH26	6.002	MH12	0.1	0.466	0.006	0.0006	

Results for 100 year 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 96.15%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	MH1	18	29.734	0.043	2.4	0.0000	0.0000	OK
30 minute winter	MH2	18	29.649	0.058	3.9	0.0000	0.0000	OK
30 minute winter	MH3	36	29.271	0.257	3.9	0.0000	0.0000	OK
30 minute winter	MH4	18	29.718	0.027	1.0	0.0000	0.0000	OK
30 minute winter	MH5	18	29.670	0.049	2.9	0.0000	0.0000	OK
30 minute winter	MH6	18	29.598	0.097	12.6	0.0154	0.0000	OK
30 minute winter	MH7	36	29.271	0.257	12.6	0.0000	0.0000	OK
30 minute winter	MH8	18	29.735	0.044	2.4	0.0000	0.0000	OK
30 minute winter	MH9	36	29.271	0.257	2.4	0.0000	0.0000	OK
30 minute winter	MH10	37	29.271	0.280	11.2	0.0792	0.0000	SURCHARGED
30 minute winter	MH11	38	28.865	0.015	0.2	0.0042	0.0000	OK
30 minute winter	MH12	39	28.763	0.003	0.3	0.0008	0.0000	OK
30 minute winter	MH13	18	29.645	0.045	2.4	0.0127	0.0000	OK
30 minute winter	MH14	18	29.505	0.045	2.4	0.0128	0.0000	OK
30 minute winter	MH15	36	29.259	0.123	2.4	0.0000	0.0000	OK
30 minute winter	MH16	18	29.668	0.068	4.9	0.0000	0.0000	OK
30 minute winter	MH17	18	29.540	0.050	5.9	0.0080	0.0000	OK
30 minute winter	MH18	36	29.259	0.123	5.9	0.0000	0.0000	OK
30 minute winter	MH19	38	29.258	0.138	4.1	0.0391	0.0000	SURCHARGED
30 minute winter	MH20	18	29.657	0.057	3.9	0.0000	0.0000	OK
30 minute winter	MH21	18	29.580	0.080	5.8	0.0127	0.0000	OK
30 minute winter	MH22	34	29.254	0.126	5.8	0.0000	0.0000	OK
30 minute winter	MH23	18	29.634	0.034	1.5	0.0053	0.0000	OK
30 minute winter	MH24	18	29.514	0.044	3.0	0.0069	0.0000	OK
30 minute winter	MH25	36	29.254	0.126	3.0	0.0000	0.0000	OK
30 minute winter	MH26	35	29.254	0.154	6.1	0.0435	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	MH1	1.000	MH2	2.4	0.611	0.383	0.0366	4.2
30 minute winter	MH2	1.001	MH3	3.9	0.837	0.631	0.0534	
30 minute winter	MH3	Flow through Pond	MH10	10.3	0.089	0.002	14.5380	
30 minute winter	MH4	2.000	MH5	1.0	0.365	0.165	0.0192	
30 minute winter	MH5	2.001	MH6	2.9	0.475	0.480	0.0692	
30 minute winter	MH6	2.002	MH7	12.6	1.078	0.700	0.0910	
30 minute winter	MH7	Flow through Pond	MH10	10.3	0.089	0.002	14.5380	
30 minute winter	MH8	3.000	MH9	2.4	0.729	0.398	0.0372	
30 minute winter	MH9	Flow through Pond	MH10	10.3	0.089	0.002	14.5380	
30 minute winter	MH10	1.002	MH11	0.1	0.217	0.009	0.0150	
30 minute winter	MH11	1.003	MH12	0.2	0.493	0.014	0.0066	
30 minute winter	MH12	Weir		0.3				
30 minute winter	MH13	4.000	MH14	2.4	0.703	0.397	0.0478	
30 minute winter	MH14	4.001	MH15	2.4	0.719	0.390	0.0129	
30 minute winter	MH15	Flow through Pond	MH19	4.1	0.077	0.001	6.0869	
30 minute winter	MH16	5.000	MH17	4.9	1.018	0.756	0.0459	
30 minute winter	MH17	5.001	MH18	5.9	1.173	0.224	0.0276	
30 minute winter	MH18	Flow through Pond	MH19	4.1	0.077	0.001	6.0869	
30 minute winter	MH19	4.002	MH11	0.1	0.206	0.005	0.0020	
30 minute winter	MH20	6.000	MH21	3.9	0.689	0.617	0.0515	
30 minute winter	MH21	6.001	MH22	5.8	0.885	0.934	0.0621	
30 minute winter	MH22	Flow through Pond	MH26	6.1	0.109	0.004	6.4845	
30 minute winter	MH23	7.000	MH24	1.5	0.538	0.243	0.0349	
30 minute winter	MH24	7.001	MH25	3.0	0.940	0.364	0.0121	
30 minute winter	MH25	Flow through Pond	MH26	6.1	0.109	0.004	6.4845	
30 minute winter	MH26	6.002	MH12	0.1	0.467	0.006	0.0006	

Results for 100 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 96.08%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	MH1	33	29.733	0.042	2.3	0.0000	0.0000	OK
60 minute summer	MH2	33	29.647	0.056	3.7	0.0000	0.0000	OK
60 minute summer	MH3	65	29.342	0.327	3.7	0.0000	0.0000	OK
60 minute summer	MH4	34	29.717	0.026	0.9	0.0000	0.0000	OK
60 minute summer	MH5	33	29.668	0.047	2.7	0.0000	0.0000	OK
60 minute summer	MH6	33	29.594	0.093	11.8	0.0147	0.0000	OK
60 minute summer	MH7	66	29.342	0.327	11.8	0.0000	0.0000	OK
60 minute summer	MH8	33	29.734	0.043	2.3	0.0000	0.0000	OK
60 minute summer	MH9	66	29.342	0.327	2.3	0.0000	0.0000	OK
60 minute summer	MH10	66	29.341	0.350	9.2	0.0992	0.0000	SURCHARGED
60 minute summer	MH11	68	28.866	0.016	0.2	0.0045	0.0000	OK
60 minute summer	MH12	68	28.763	0.003	0.3	0.0009	0.0000	OK
60 minute summer	MH13	33	29.644	0.044	2.3	0.0124	0.0000	OK
60 minute summer	MH14	33	29.504	0.044	2.3	0.0125	0.0000	OK
60 minute summer	MH15	66	29.292	0.156	2.3	0.0000	0.0000	OK
60 minute summer	MH16	33	29.665	0.065	4.6	0.0000	0.0000	OK
60 minute summer	MH17	33	29.538	0.048	5.5	0.0077	0.0000	OK
60 minute summer	MH18	66	29.292	0.156	5.5	0.0000	0.0000	OK
60 minute summer	MH19	66	29.291	0.171	4.1	0.0485	0.0000	SURCHARGED
60 minute summer	MH20	33	29.655	0.055	3.7	0.0000	0.0000	OK
60 minute summer	MH21	33	29.576	0.076	5.5	0.0121	0.0000	OK
60 minute summer	MH22	65	29.289	0.161	5.5	0.0000	0.0000	OK
60 minute summer	MH23	33	29.632	0.032	1.4	0.0052	0.0000	OK
60 minute summer	MH24	33	29.512	0.042	2.8	0.0067	0.0000	OK
60 minute summer	MH25	65	29.289	0.161	2.8	0.0000	0.0000	OK
60 minute summer	MH26	67	29.289	0.189	4.6	0.0534	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	MH1	1.000	MH2	2.3	0.608	0.367	0.0353	5.1
60 minute summer	MH2	1.001	MH3	3.7	0.827	0.598	0.0512	
60 minute summer	MH3	Flow through Pond	MH10	8.3	0.079	0.001	18.3513	
60 minute summer	MH4	2.000	MH5	0.9	0.355	0.148	0.0180	
60 minute summer	MH5	2.001	MH6	2.7	0.463	0.447	0.0669	
60 minute summer	MH6	2.002	MH7	11.8	1.063	0.655	0.0864	
60 minute summer	MH7	Flow through Pond	MH10	8.3	0.079	0.001	18.3513	
60 minute summer	MH8	3.000	MH9	2.3	0.721	0.381	0.0361	
60 minute summer	MH9	Flow through Pond	MH10	8.3	0.079	0.001	18.3513	
60 minute summer	MH10	1.002	MH11	0.1	0.212	0.010	0.0162	
60 minute summer	MH11	1.003	MH12	0.2	0.509	0.016	0.0072	
60 minute summer	MH12	Weir		0.3				
60 minute summer	MH13	4.000	MH14	2.3	0.695	0.381	0.0463	
60 minute summer	MH14	4.001	MH15	2.3	0.711	0.374	0.0125	
60 minute summer	MH15	Flow through Pond	MH19	4.1	0.033	0.001	7.6314	
60 minute summer	MH16	5.000	MH17	4.6	1.004	0.710	0.0437	
60 minute summer	MH17	5.001	MH18	5.5	1.151	0.209	0.0262	
60 minute summer	MH18	Flow through Pond	MH19	4.1	0.033	0.001	7.6314	
60 minute summer	MH19	4.002	MH11	0.1	0.193	0.006	0.0022	
60 minute summer	MH20	6.000	MH21	3.7	0.684	0.586	0.0493	
60 minute summer	MH21	6.001	MH22	5.5	0.880	0.886	0.0592	
60 minute summer	MH22	Flow through Pond	MH26	4.6	0.076	0.003	8.1330	
60 minute summer	MH23	7.000	MH24	1.4	0.528	0.227	0.0332	
60 minute summer	MH24	7.001	MH25	2.8	0.923	0.340	0.0115	
60 minute summer	MH25	Flow through Pond	MH26	4.6	0.076	0.003	8.1330	
60 minute summer	MH26	6.002	MH12	0.1	0.482	0.007	0.0006	

Results for 100 year 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 96.08%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	MH1	33	29.727	0.036	1.7	0.0000	0.0000	OK
60 minute winter	MH2	33	29.637	0.046	2.7	0.0000	0.0000	OK
60 minute winter	MH3	64	29.343	0.328	2.7	0.0000	0.0000	OK
60 minute winter	MH4	33	29.714	0.023	0.7	0.0000	0.0000	OK
60 minute winter	MH5	33	29.661	0.040	2.0	0.0000	0.0000	OK
60 minute winter	MH6	33	29.577	0.076	8.6	0.0121	0.0000	OK
60 minute winter	MH7	65	29.343	0.328	8.6	0.0000	0.0000	OK
60 minute winter	MH8	33	29.727	0.036	1.7	0.0000	0.0000	OK
60 minute winter	MH9	64	29.342	0.328	1.7	0.0000	0.0000	OK
60 minute winter	MH10	64	29.342	0.351	6.8	0.0994	0.0000	SURCHARGED
60 minute winter	MH11	67	28.866	0.016	0.2	0.0045	0.0000	OK
60 minute winter	MH12	67	28.763	0.003	0.3	0.0009	0.0000	OK
60 minute winter	MH13	33	29.637	0.037	1.7	0.0105	0.0000	OK
60 minute winter	MH14	33	29.497	0.037	1.7	0.0105	0.0000	OK
60 minute winter	MH15	65	29.292	0.157	1.7	0.0000	0.0000	OK
60 minute winter	MH16	33	29.653	0.053	3.3	0.0000	0.0000	OK
60 minute winter	MH17	33	29.531	0.041	4.0	0.0065	0.0000	OK
60 minute winter	MH18	65	29.292	0.157	4.0	0.0000	0.0000	OK
60 minute winter	MH19	65	29.292	0.172	3.1	0.0487	0.0000	SURCHARGED
60 minute winter	MH20	33	29.645	0.045	2.6	0.0000	0.0000	OK
60 minute winter	MH21	32	29.559	0.059	3.9	0.0094	0.0000	OK
60 minute winter	MH22	66	29.288	0.160	3.9	0.0000	0.0000	OK
60 minute winter	MH23	34	29.627	0.027	1.0	0.0043	0.0000	OK
60 minute winter	MH24	34	29.505	0.035	2.0	0.0055	0.0000	OK
60 minute winter	MH25	66	29.288	0.160	2.0	0.0000	0.0000	OK
60 minute winter	MH26	64	29.288	0.188	3.4	0.0533	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	MH1	1.000	MH2	1.7	0.565	0.272	0.0280	5.1
60 minute winter	MH2	1.001	MH3	2.7	0.765	0.437	0.0404	
60 minute winter	MH3	Flow through Pond	MH10	6.2	0.086	0.001	18.3889	
60 minute winter	MH4	2.000	MH5	0.7	0.335	0.115	0.0147	
60 minute winter	MH5	2.001	MH6	2.0	0.427	0.331	0.0554	
60 minute winter	MH6	2.002	MH7	8.6	0.988	0.478	0.0677	
60 minute winter	MH7	Flow through Pond	MH10	6.2	0.086	0.001	18.3889	
60 minute winter	MH8	3.000	MH9	1.7	0.664	0.282	0.0289	
60 minute winter	MH9	Flow through Pond	MH10	6.2	0.086	0.001	18.3889	
60 minute winter	MH10	1.002	MH11	0.1	0.213	0.010	0.0162	
60 minute winter	MH11	1.003	MH12	0.2	0.509	0.016	0.0072	
60 minute winter	MH12	Weir		0.3				
60 minute winter	MH13	4.000	MH14	1.7	0.644	0.282	0.0369	
60 minute winter	MH14	4.001	MH15	1.7	0.657	0.276	0.0100	
60 minute winter	MH15	Flow through Pond	MH19	3.1	0.045	0.001	7.6616	
60 minute winter	MH16	5.000	MH17	3.3	0.919	0.509	0.0344	
60 minute winter	MH17	5.001	MH18	4.0	1.056	0.152	0.0208	
60 minute winter	MH18	Flow through Pond	MH19	3.1	0.045	0.001	7.6616	
60 minute winter	MH19	4.002	MH11	0.1	0.199	0.006	0.0022	
60 minute winter	MH20	6.000	MH21	2.6	0.633	0.412	0.0376	
60 minute winter	MH21	6.001	MH22	3.9	0.825	0.629	0.0448	
60 minute winter	MH22	Flow through Pond	MH26	3.4	0.092	0.002	8.1084	
60 minute winter	MH23	7.000	MH24	1.0	0.484	0.162	0.0259	
60 minute winter	MH24	7.001	MH25	2.0	0.845	0.243	0.0090	
60 minute winter	MH25	Flow through Pond	MH26	3.4	0.092	0.002	8.1084	
60 minute winter	MH26	6.002	MH12	0.1	0.482	0.007	0.0006	

Results for 100 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 96.07%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	MH1	64	29.724	0.033	1.5	0.0000	0.0000	OK
120 minute summer	MH2	64	29.634	0.043	2.4	0.0000	0.0000	OK
120 minute summer	MH3	126	29.414	0.400	2.4	0.0000	0.0000	OK
120 minute summer	MH4	64	29.712	0.021	0.6	0.0000	0.0000	OK
120 minute summer	MH5	64	29.658	0.037	1.8	0.0000	0.0000	OK
120 minute summer	MH6	64	29.572	0.071	7.7	0.0113	0.0000	OK
120 minute summer	MH7	124	29.414	0.400	7.7	0.0000	0.0000	OK
120 minute summer	MH8	64	29.725	0.034	1.5	0.0000	0.0000	OK
120 minute summer	MH9	126	29.414	0.400	1.5	0.0000	0.0000	OK
120 minute summer	MH10	126	29.414	0.423	5.9	0.1196	0.0000	SURCHARGED
120 minute summer	MH11	128	28.867	0.017	0.3	0.0047	0.0000	OK
120 minute summer	MH12	128	28.763	0.003	0.4	0.0009	0.0000	OK
120 minute summer	MH13	64	29.635	0.035	1.5	0.0098	0.0000	OK
120 minute summer	MH14	64	29.495	0.035	1.5	0.0098	0.0000	OK
120 minute summer	MH15	126	29.326	0.191	1.5	0.0000	0.0000	OK
120 minute summer	MH16	64	29.650	0.050	3.0	0.0000	0.0000	OK
120 minute summer	MH17	64	29.529	0.039	3.6	0.0061	0.0000	OK
120 minute summer	MH18	126	29.326	0.191	3.6	0.0000	0.0000	OK
120 minute summer	MH19	126	29.326	0.206	2.5	0.0583	0.0000	SURCHARGED
120 minute summer	MH20	64	29.643	0.043	2.4	0.0000	0.0000	OK
120 minute summer	MH21	64	29.556	0.056	3.6	0.0089	0.0000	OK
120 minute summer	MH22	126	29.322	0.194	3.6	0.0000	0.0000	OK
120 minute summer	MH23	64	29.626	0.026	0.9	0.0041	0.0000	OK
120 minute summer	MH24	64	29.503	0.033	1.8	0.0052	0.0000	OK
120 minute summer	MH25	126	29.322	0.194	1.8	0.0000	0.0000	OK
120 minute summer	MH26	126	29.322	0.222	2.7	0.0629	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	MH1	1.000	MH2	1.5	0.545	0.240	0.0257	6.4
120 minute summer	MH2	1.001	MH3	2.4	0.742	0.388	0.0371	
120 minute summer	MH3	Flow through Pond	MH10	5.3	0.058	0.001	22.2651	
120 minute summer	MH4	2.000	MH5	0.6	0.314	0.099	0.0134	
120 minute summer	MH5	2.001	MH6	1.8	0.416	0.298	0.0516	
120 minute summer	MH6	2.002	MH7	7.7	0.962	0.428	0.0623	
120 minute summer	MH7	Flow through Pond	MH10	5.3	0.058	0.001	22.2651	
120 minute summer	MH8	3.000	MH9	1.5	0.641	0.248	0.0264	
120 minute summer	MH9	Flow through Pond	MH10	5.3	0.058	0.001	22.2651	
120 minute summer	MH10	1.002	MH11	0.2	0.200	0.011	0.0173	
120 minute summer	MH11	1.003	MH12	0.3	0.524	0.018	0.0076	
120 minute summer	MH12	Weir		0.4				
120 minute summer	MH13	4.000	MH14	1.5	0.624	0.248	0.0337	
120 minute summer	MH14	4.001	MH15	1.5	0.635	0.244	0.0091	
120 minute summer	MH15	Flow through Pond	MH19	2.5	0.020	0.001	9.2475	
120 minute summer	MH16	5.000	MH17	3.0	0.898	0.463	0.0320	
120 minute summer	MH17	5.001	MH18	3.6	1.026	0.137	0.0193	
120 minute summer	MH18	Flow through Pond	MH19	2.5	0.020	0.001	9.2475	
120 minute summer	MH19	4.002	MH11	0.1	0.197	0.006	0.0024	
120 minute summer	MH20	6.000	MH21	2.4	0.622	0.380	0.0353	
120 minute summer	MH21	6.001	MH22	3.6	0.811	0.580	0.0421	
120 minute summer	MH22	Flow through Pond	MH26	2.7	0.036	0.002	9.6942	
120 minute summer	MH23	7.000	MH24	0.9	0.470	0.146	0.0240	
120 minute summer	MH24	7.001	MH25	1.8	0.822	0.219	0.0083	
120 minute summer	MH25	Flow through Pond	MH26	2.7	0.036	0.002	9.6942	
120 minute summer	MH26	6.002	MH12	0.1	0.495	0.007	0.0007	

Results for 100 year 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 96.07%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	MH1	62	29.718	0.027	1.0	0.0000	0.0000	OK
120 minute winter	MH2	62	29.626	0.035	1.6	0.0000	0.0000	OK
120 minute winter	MH3	124	29.411	0.396	1.6	0.0000	0.0000	OK
120 minute winter	MH4	62	29.708	0.017	0.4	0.0000	0.0000	OK
120 minute winter	MH5	62	29.651	0.030	1.2	0.0000	0.0000	OK
120 minute winter	MH6	64	29.558	0.057	5.3	0.0091	0.0000	OK
120 minute winter	MH7	124	29.411	0.396	5.3	0.0000	0.0000	OK
120 minute winter	MH8	60	29.719	0.028	1.0	0.0000	0.0000	OK
120 minute winter	MH9	124	29.411	0.396	1.0	0.0000	0.0000	OK
120 minute winter	MH10	124	29.410	0.419	4.0	0.1186	0.0000	SURCHARGED
120 minute winter	MH11	126	28.866	0.016	0.3	0.0047	0.0000	OK
120 minute winter	MH12	126	28.763	0.003	0.4	0.0009	0.0000	OK
120 minute winter	MH13	62	29.628	0.028	1.0	0.0079	0.0000	OK
120 minute winter	MH14	60	29.488	0.028	1.0	0.0079	0.0000	OK
120 minute winter	MH15	124	29.326	0.191	1.0	0.0000	0.0000	OK
120 minute winter	MH16	62	29.640	0.040	2.0	0.0000	0.0000	OK
120 minute winter	MH17	62	29.521	0.031	2.4	0.0050	0.0000	OK
120 minute winter	MH18	124	29.326	0.191	2.4	0.0000	0.0000	OK
120 minute winter	MH19	124	29.326	0.206	1.8	0.0582	0.0000	SURCHARGED
120 minute winter	MH20	62	29.634	0.034	1.6	0.0000	0.0000	OK
120 minute winter	MH21	64	29.544	0.044	2.4	0.0070	0.0000	OK
120 minute winter	MH22	124	29.319	0.191	2.4	0.0000	0.0000	OK
120 minute winter	MH23	62	29.621	0.021	0.6	0.0034	0.0000	OK
120 minute winter	MH24	62	29.497	0.027	1.2	0.0042	0.0000	OK
120 minute winter	MH25	124	29.319	0.191	1.2	0.0000	0.0000	OK
120 minute winter	MH26	124	29.319	0.219	2.0	0.0621	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	MH1	1.000	MH2	1.0	0.488	0.160	0.0191	
120 minute winter	MH2	1.001	MH3	1.6	0.664	0.259	0.0276	
120 minute winter	MH3	Flow through Pond	MH10	3.6	0.067	0.001	22.0747	
120 minute winter	MH4	2.000	MH5	0.4	0.291	0.066	0.0101	
120 minute winter	MH5	2.001	MH6	1.2	0.374	0.199	0.0398	
120 minute winter	MH6	2.002	MH7	5.3	0.873	0.294	0.0472	
120 minute winter	MH7	Flow through Pond	MH10	3.6	0.067	0.001	22.0747	
120 minute winter	MH8	3.000	MH9	1.0	0.572	0.166	0.0198	
120 minute winter	MH9	Flow through Pond	MH10	3.6	0.067	0.001	22.0747	
120 minute winter	MH10	1.002	MH11	0.2	0.208	0.011	0.0172	
120 minute winter	MH11	1.003	MH12	0.3	0.523	0.018	0.0076	
120 minute winter	MH12	Weir		0.4				6.4
120 minute winter	MH13	4.000	MH14	1.0	0.560	0.166	0.0250	
120 minute winter	MH14	4.001	MH15	1.0	0.569	0.163	0.0068	
120 minute winter	MH15	Flow through Pond	MH19	1.8	0.025	0.001	9.2194	
120 minute winter	MH16	5.000	MH17	2.0	0.803	0.309	0.0239	
120 minute winter	MH17	5.001	MH18	2.4	0.916	0.091	0.0144	
120 minute winter	MH18	Flow through Pond	MH19	1.8	0.025	0.001	9.2194	
120 minute winter	MH19	4.002	MH11	0.1	0.197	0.006	0.0024	
120 minute winter	MH20	6.000	MH21	1.6	0.564	0.253	0.0260	
120 minute winter	MH21	6.001	MH22	2.4	0.734	0.387	0.0310	
120 minute winter	MH22	Flow through Pond	MH26	2.0	0.044	0.001	9.5571	
120 minute winter	MH23	7.000	MH24	0.6	0.421	0.097	0.0179	
120 minute winter	MH24	7.001	MH25	1.2	0.736	0.146	0.0062	
120 minute winter	MH25	Flow through Pond	MH26	2.0	0.044	0.001	9.5571	
120 minute winter	MH26	6.002	MH12	0.1	0.494	0.007	0.0007	

Results for 100 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 96.10%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	MH1	96	29.719	0.028	1.1	0.0000	0.0000	OK
180 minute summer	MH2	96	29.628	0.037	1.8	0.0000	0.0000	OK
180 minute summer	MH3	188	29.448	0.434	1.8	0.0000	0.0000	OK
180 minute summer	MH4	96	29.708	0.017	0.4	0.0000	0.0000	OK
180 minute summer	MH5	96	29.652	0.031	1.3	0.0000	0.0000	OK
180 minute summer	MH6	96	29.561	0.060	5.7	0.0095	0.0000	OK
180 minute summer	MH7	184	29.448	0.434	5.7	0.0000	0.0000	OK
180 minute summer	MH8	96	29.720	0.029	1.1	0.0000	0.0000	OK
180 minute summer	MH9	188	29.448	0.434	1.1	0.0000	0.0000	OK
180 minute summer	MH10	188	29.448	0.457	4.4	0.1293	0.0000	SURCHARGED
180 minute summer	MH11	188	28.867	0.017	0.3	0.0047	0.0000	OK
180 minute summer	MH12	188	28.763	0.003	0.4	0.0010	0.0000	OK
180 minute summer	MH13	96	29.629	0.029	1.1	0.0083	0.0000	OK
180 minute summer	MH14	96	29.489	0.029	1.1	0.0083	0.0000	OK
180 minute summer	MH15	188	29.338	0.203	1.1	0.0000	0.0000	OK
180 minute summer	MH16	96	29.642	0.042	2.2	0.0000	0.0000	OK
180 minute summer	MH17	96	29.523	0.033	2.6	0.0052	0.0000	OK
180 minute summer	MH18	188	29.338	0.203	2.6	0.0000	0.0000	OK
180 minute summer	MH19	188	29.338	0.218	1.8	0.0616	0.0000	SURCHARGED
180 minute summer	MH20	96	29.637	0.036	1.8	0.0000	0.0000	OK
180 minute summer	MH21	96	29.547	0.047	2.7	0.0075	0.0000	OK
180 minute summer	MH22	184	29.350	0.221	2.7	0.0000	0.0000	OK
180 minute summer	MH23	96	29.623	0.023	0.7	0.0036	0.0000	OK
180 minute summer	MH24	96	29.499	0.029	1.4	0.0046	0.0000	OK
180 minute summer	MH25	188	29.350	0.221	1.4	0.0000	0.0000	OK
180 minute summer	MH26	188	29.349	0.249	2.1	0.0706	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	MH1	1.000	MH2	1.1	0.496	0.176	0.0207	7.5
180 minute summer	MH2	1.001	MH3	1.8	0.686	0.291	0.0300	
180 minute summer	MH3	Flow through Pond	MH10	4.0	0.043	0.001	24.1239	
180 minute summer	MH4	2.000	MH5	0.4	0.291	0.066	0.0105	
180 minute summer	MH5	2.001	MH6	1.3	0.374	0.215	0.0419	
180 minute summer	MH6	2.002	MH7	5.7	0.890	0.317	0.0498	
180 minute summer	MH7	Flow through Pond	MH10	4.0	0.043	0.001	24.1239	
180 minute summer	MH8	3.000	MH9	1.1	0.588	0.182	0.0211	
180 minute summer	MH9	Flow through Pond	MH10	4.0	0.043	0.001	24.1239	
180 minute summer	MH10	1.002	MH11	0.2	0.203	0.012	0.0177	
180 minute summer	MH11	1.003	MH12	0.3	0.528	0.018	0.0078	
180 minute summer	MH12	Weir		0.4				
180 minute summer	MH13	4.000	MH14	1.1	0.574	0.182	0.0268	
180 minute summer	MH14	4.001	MH15	1.1	0.584	0.179	0.0073	
180 minute summer	MH15	Flow through Pond	MH19	1.8	0.016	0.001	9.7796	
180 minute summer	MH16	5.000	MH17	2.2	0.828	0.339	0.0255	
180 minute summer	MH17	5.001	MH18	2.6	0.937	0.099	0.0152	
180 minute summer	MH18	Flow through Pond	MH19	1.8	0.016	0.001	9.7796	
180 minute summer	MH19	4.002	MH11	0.1	0.198	0.007	0.0024	
180 minute summer	MH20	6.000	MH21	1.8	0.582	0.285	0.0284	
180 minute summer	MH21	6.001	MH22	2.7	0.756	0.435	0.0338	
180 minute summer	MH22	Flow through Pond	MH26	2.1	0.029	0.001	10.9581	
180 minute summer	MH23	7.000	MH24	0.7	0.439	0.114	0.0200	
180 minute summer	MH24	7.001	MH25	1.4	0.768	0.170	0.0069	
180 minute summer	MH25	Flow through Pond	MH26	2.1	0.029	0.001	10.9581	
180 minute summer	MH26	6.002	MH12	0.1	0.504	0.008	0.0007	

Results for 100 year 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 96.09%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	MH1	96	29.715	0.024	0.8	0.0000	0.0000	OK
180 minute winter	MH2	96	29.622	0.031	1.3	0.0000	0.0000	OK
180 minute winter	MH3	184	29.452	0.438	1.3	0.0000	0.0000	OK
180 minute winter	MH4	92	29.706	0.015	0.3	0.0000	0.0000	OK
180 minute winter	MH5	92	29.647	0.026	0.9	0.0000	0.0000	OK
180 minute winter	MH6	96	29.550	0.049	3.9	0.0077	0.0000	OK
180 minute winter	MH7	184	29.452	0.438	3.9	0.0000	0.0000	OK
180 minute winter	MH8	96	29.716	0.025	0.8	0.0000	0.0000	OK
180 minute winter	MH9	184	29.452	0.438	0.8	0.0000	0.0000	OK
180 minute winter	MH10	184	29.452	0.461	3.1	0.1304	0.0000	SURCHARGED
180 minute winter	MH11	184	28.867	0.017	0.3	0.0048	0.0000	OK
180 minute winter	MH12	184	28.763	0.003	0.4	0.0010	0.0000	OK
180 minute winter	MH13	96	29.625	0.025	0.8	0.0070	0.0000	OK
180 minute winter	MH14	96	29.485	0.025	0.8	0.0071	0.0000	OK
180 minute winter	MH15	184	29.344	0.209	0.8	0.0000	0.0000	OK
180 minute winter	MH16	92	29.634	0.034	1.5	0.0000	0.0000	OK
180 minute winter	MH17	92	29.517	0.027	1.8	0.0043	0.0000	OK
180 minute winter	MH18	184	29.344	0.209	1.8	0.0000	0.0000	OK
180 minute winter	MH19	184	29.344	0.224	1.3	0.0633	0.0000	SURCHARGED
180 minute winter	MH20	92	29.630	0.030	1.2	0.0000	0.0000	OK
180 minute winter	MH21	92	29.537	0.037	1.8	0.0060	0.0000	OK
180 minute winter	MH22	184	29.344	0.216	1.8	0.0000	0.0000	OK
180 minute winter	MH23	96	29.619	0.019	0.5	0.0031	0.0000	OK
180 minute winter	MH24	96	29.494	0.024	1.0	0.0038	0.0000	OK
180 minute winter	MH25	184	29.344	0.216	1.0	0.0000	0.0000	OK
180 minute winter	MH26	184	29.344	0.244	1.5	0.0689	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	MH1	1.000	MH2	0.8	0.455	0.128	0.0164	
180 minute winter	MH2	1.001	MH3	1.3	0.627	0.210	0.0238	
180 minute winter	MH3	Flow through Pond	MH10	2.8	0.032	0.000	24.3235	
180 minute winter	MH4	2.000	MH5	0.3	0.272	0.049	0.0082	
180 minute winter	MH5	2.001	MH6	0.9	0.342	0.149	0.0323	
180 minute winter	MH6	2.002	MH7	3.9	0.804	0.217	0.0378	
180 minute winter	MH7	Flow through Pond	MH10	2.8	0.032	0.000	24.3235	
180 minute winter	MH8	3.000	MH9	0.8	0.536	0.133	0.0169	
180 minute winter	MH9	Flow through Pond	MH10	2.8	0.032	0.000	24.3235	
180 minute winter	MH10	1.002	MH11	0.2	0.203	0.012	0.0178	
180 minute winter	MH11	1.003	MH12	0.3	0.529	0.018	0.0079	
180 minute winter	MH12	Weir		0.4				7.6
180 minute winter	MH13	4.000	MH14	0.8	0.526	0.132	0.0213	
180 minute winter	MH14	4.001	MH15	0.8	0.534	0.130	0.0058	
180 minute winter	MH15	Flow through Pond	MH19	1.3	0.017	0.000	10.0683	
180 minute winter	MH16	5.000	MH17	1.5	0.740	0.231	0.0194	
180 minute winter	MH17	5.001	MH18	1.8	0.843	0.068	0.0117	
180 minute winter	MH18	Flow through Pond	MH19	1.3	0.017	0.000	10.0683	
180 minute winter	MH19	4.002	MH11	0.1	0.200	0.007	0.0024	
180 minute winter	MH20	6.000	MH21	1.2	0.523	0.190	0.0211	
180 minute winter	MH21	6.001	MH22	1.8	0.680	0.290	0.0251	
180 minute winter	MH22	Flow through Pond	MH26	1.5	0.028	0.001	10.6852	
180 minute winter	MH23	7.000	MH24	0.5	0.400	0.081	0.0157	
180 minute winter	MH24	7.001	MH25	1.0	0.699	0.121	0.0054	
180 minute winter	MH25	Flow through Pond	MH26	1.5	0.028	0.001	10.6852	
180 minute winter	MH26	6.002	MH12	0.1	0.502	0.007	0.0007	

Results for 100 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 96.14%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	MH1	124	29.717	0.026	0.9	0.0000	0.0000	OK
240 minute summer	MH2	124	29.624	0.033	1.5	0.0000	0.0000	OK
240 minute summer	MH3	244	29.473	0.458	1.5	0.0000	0.0000	OK
240 minute summer	MH4	124	29.708	0.017	0.4	0.0000	0.0000	OK
240 minute summer	MH5	124	29.650	0.029	1.1	0.0000	0.0000	OK
240 minute summer	MH6	124	29.555	0.054	4.8	0.0086	0.0000	OK
240 minute summer	MH7	244	29.473	0.458	4.8	0.0000	0.0000	OK
240 minute summer	MH8	124	29.717	0.026	0.9	0.0000	0.0000	OK
240 minute summer	MH9	244	29.473	0.458	0.9	0.0000	0.0000	OK
240 minute summer	MH10	248	29.472	0.481	3.7	0.1362	0.0000	SURCHARGED
240 minute summer	MH11	248	28.867	0.017	0.3	0.0048	0.0000	OK
240 minute summer	MH12	248	28.763	0.003	0.4	0.0010	0.0000	OK
240 minute summer	MH13	124	29.626	0.026	0.9	0.0075	0.0000	OK
240 minute summer	MH14	128	29.487	0.026	0.9	0.0075	0.0000	OK
240 minute summer	MH15	248	29.351	0.216	0.9	0.0000	0.0000	OK
240 minute summer	MH16	124	29.637	0.037	1.8	0.0000	0.0000	OK
240 minute summer	MH17	124	29.520	0.030	2.2	0.0048	0.0000	OK
240 minute summer	MH18	248	29.351	0.216	2.2	0.0000	0.0000	OK
240 minute summer	MH19	248	29.351	0.231	1.5	0.0652	0.0000	SURCHARGED
240 minute summer	MH20	124	29.633	0.033	1.5	0.0000	0.0000	OK
240 minute summer	MH21	124	29.542	0.042	2.2	0.0066	0.0000	OK
240 minute summer	MH22	244	29.360	0.232	2.2	0.0000	0.0000	OK
240 minute summer	MH23	124	29.621	0.021	0.6	0.0033	0.0000	OK
240 minute summer	MH24	124	29.496	0.026	1.2	0.0042	0.0000	OK
240 minute summer	MH25	244	29.360	0.232	1.2	0.0000	0.0000	OK
240 minute summer	MH26	244	29.360	0.260	1.6	0.0736	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	MH1	1.000	MH2	0.9	0.479	0.144	0.0180	8.6
240 minute summer	MH2	1.001	MH3	1.5	0.651	0.241	0.0262	
240 minute summer	MH3	Flow through Pond	MH10	3.3	0.025	0.000	25.4346	
240 minute summer	MH4	2.000	MH5	0.4	0.289	0.064	0.0095	
240 minute summer	MH5	2.001	MH6	1.1	0.354	0.180	0.0371	
240 minute summer	MH6	2.002	MH7	4.8	0.849	0.265	0.0437	
240 minute summer	MH7	Flow through Pond	MH10	3.3	0.025	0.000	25.4346	
240 minute summer	MH8	3.000	MH9	0.9	0.555	0.149	0.0183	
240 minute summer	MH9	Flow through Pond	MH10	3.3	0.025	0.000	25.4346	
240 minute summer	MH10	1.002	MH11	0.2	0.205	0.012	0.0180	
240 minute summer	MH11	1.003	MH12	0.3	0.532	0.019	0.0080	
240 minute summer	MH12	Weir		0.4				
240 minute summer	MH13	4.000	MH14	0.9	0.544	0.149	0.0232	
240 minute summer	MH14	4.001	MH15	0.9	0.552	0.146	0.0063	
240 minute summer	MH15	Flow through Pond	MH19	1.5	0.016	0.001	10.3834	
240 minute summer	MH16	5.000	MH17	1.8	0.776	0.277	0.0222	
240 minute summer	MH17	5.001	MH18	2.2	0.892	0.083	0.0135	
240 minute summer	MH18	Flow through Pond	MH19	1.5	0.016	0.001	10.3834	
240 minute summer	MH19	4.002	MH11	0.1	0.200	0.007	0.0025	
240 minute summer	MH20	6.000	MH21	1.5	0.559	0.237	0.0245	
240 minute summer	MH21	6.001	MH22	2.2	0.716	0.353	0.0290	
240 minute summer	MH22	Flow through Pond	MH26	1.6	0.028	0.001	11.4483	
240 minute summer	MH23	7.000	MH24	0.6	0.419	0.096	0.0177	
240 minute summer	MH24	7.001	MH25	1.2	0.732	0.144	0.0061	
240 minute summer	MH25	Flow through Pond	MH26	1.6	0.028	0.001	11.4483	
240 minute summer	MH26	6.002	MH12	0.1	0.507	0.008	0.0007	

Results for 100 year 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 96.14%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	MH1	116	29.712	0.021	0.6	0.0000	0.0000	OK
240 minute winter	MH2	120	29.618	0.027	1.0	0.0000	0.0000	OK
240 minute winter	MH3	240	29.470	0.456	1.0	0.0000	0.0000	OK
240 minute winter	MH4	104	29.703	0.012	0.2	0.0000	0.0000	OK
240 minute winter	MH5	120	29.644	0.023	0.7	0.0000	0.0000	OK
240 minute winter	MH6	124	29.545	0.044	3.2	0.0070	0.0000	OK
240 minute winter	MH7	240	29.470	0.456	3.2	0.0000	0.0000	OK
240 minute winter	MH8	116	29.712	0.021	0.6	0.0000	0.0000	OK
240 minute winter	MH9	240	29.470	0.456	0.6	0.0000	0.0000	OK
240 minute winter	MH10	240	29.470	0.479	2.4	0.1355	0.0000	SURCHARGED
240 minute winter	MH11	244	28.867	0.017	0.3	0.0048	0.0000	OK
240 minute winter	MH12	244	28.763	0.003	0.4	0.0010	0.0000	OK
240 minute winter	MH13	116	29.622	0.022	0.6	0.0061	0.0000	OK
240 minute winter	MH14	116	29.482	0.022	0.6	0.0061	0.0000	OK
240 minute winter	MH15	244	29.349	0.213	0.6	0.0000	0.0000	OK
240 minute winter	MH16	120	29.630	0.030	1.2	0.0000	0.0000	OK
240 minute winter	MH17	120	29.514	0.024	1.4	0.0038	0.0000	OK
240 minute winter	MH18	240	29.349	0.213	1.4	0.0000	0.0000	OK
240 minute winter	MH19	244	29.348	0.228	1.0	0.0647	0.0000	SURCHARGED
240 minute winter	MH20	124	29.627	0.027	1.0	0.0000	0.0000	OK
240 minute winter	MH21	124	29.534	0.034	1.5	0.0054	0.0000	OK
240 minute winter	MH22	236	29.362	0.234	1.5	0.0000	0.0000	OK
240 minute winter	MH23	124	29.617	0.017	0.4	0.0027	0.0000	OK
240 minute winter	MH24	124	29.492	0.022	0.8	0.0034	0.0000	OK
240 minute winter	MH25	240	29.362	0.234	0.8	0.0000	0.0000	OK
240 minute winter	MH26	240	29.362	0.262	1.1	0.0742	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	MH1	1.000	MH2	0.6	0.432	0.096	0.0135	
240 minute winter	MH2	1.001	MH3	1.0	0.582	0.162	0.0197	
240 minute winter	MH3	Flow through Pond	MH10	2.2	0.030	0.000	25.2966	
240 minute winter	MH4	2.000	MH5	0.2	0.247	0.033	0.0066	
240 minute winter	MH5	2.001	MH6	0.7	0.315	0.116	0.0279	
240 minute winter	MH6	2.002	MH7	3.2	0.761	0.177	0.0327	
240 minute winter	MH7	Flow through Pond	MH10	2.2	0.030	0.000	25.2966	
240 minute winter	MH8	3.000	MH9	0.6	0.494	0.099	0.0137	
240 minute winter	MH9	Flow through Pond	MH10	2.2	0.030	0.000	25.2966	
240 minute winter	MH10	1.002	MH11	0.2	0.205	0.012	0.0180	
240 minute winter	MH11	1.003	MH12	0.3	0.531	0.019	0.0080	
240 minute winter	MH12	Weir		0.4				8.6
240 minute winter	MH13	4.000	MH14	0.6	0.486	0.099	0.0173	
240 minute winter	MH14	4.001	MH15	0.6	0.493	0.098	0.0047	
240 minute winter	MH15	Flow through Pond	MH19	1.0	0.011	0.000	10.2865	
240 minute winter	MH16	5.000	MH17	1.2	0.700	0.185	0.0165	
240 minute winter	MH17	5.001	MH18	1.4	0.785	0.053	0.0098	
240 minute winter	MH18	Flow through Pond	MH19	1.0	0.011	0.000	10.2865	
240 minute winter	MH19	4.002	MH11	0.1	0.200	0.007	0.0024	
240 minute winter	MH20	6.000	MH21	1.0	0.497	0.158	0.0185	
240 minute winter	MH21	6.001	MH22	1.5	0.647	0.242	0.0220	
240 minute winter	MH22	Flow through Pond	MH26	1.1	0.033	0.001	11.5514	
240 minute winter	MH23	7.000	MH24	0.4	0.375	0.065	0.0134	
240 minute winter	MH24	7.001	MH25	0.8	0.657	0.097	0.0046	
240 minute winter	MH25	Flow through Pond	MH26	1.1	0.033	0.001	11.5514	
240 minute winter	MH26	6.002	MH12	0.1	0.508	0.008	0.0007	

Results for 100 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 96.25%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	MH1	184	29.714	0.023	0.7	0.0000	0.0000	OK
360 minute summer	MH2	184	29.619	0.028	1.1	0.0000	0.0000	OK
360 minute summer	MH3	368	29.509	0.495	1.1	0.0000	0.0000	OK
360 minute summer	MH4	184	29.706	0.015	0.3	0.0000	0.0000	OK
360 minute summer	MH5	184	29.647	0.026	0.9	0.0000	0.0000	OK
360 minute summer	MH6	184	29.548	0.047	3.7	0.0075	0.0000	OK
360 minute summer	MH7	368	29.509	0.495	3.7	0.0000	0.0000	OK
360 minute summer	MH8	184	29.714	0.023	0.7	0.0000	0.0000	OK
360 minute summer	MH9	368	29.509	0.495	0.7	0.0000	0.0000	OK
360 minute summer	MH10	368	29.509	0.518	2.8	0.1466	0.0000	SURCHARGED
360 minute summer	MH11	368	28.867	0.017	0.3	0.0049	0.0000	OK
360 minute summer	MH12	368	28.764	0.004	0.4	0.0010	0.0000	OK
360 minute summer	MH13	184	29.623	0.023	0.7	0.0066	0.0000	OK
360 minute summer	MH14	184	29.483	0.023	0.7	0.0066	0.0000	OK
360 minute summer	MH15	368	29.361	0.226	0.7	0.0000	0.0000	OK
360 minute summer	MH16	184	29.633	0.033	1.4	0.0000	0.0000	OK
360 minute summer	MH17	184	29.516	0.026	1.7	0.0042	0.0000	OK
360 minute summer	MH18	368	29.361	0.226	1.7	0.0000	0.0000	OK
360 minute summer	MH19	368	29.361	0.241	1.2	0.0682	0.0000	SURCHARGED
360 minute summer	MH20	184	29.628	0.028	1.1	0.0000	0.0000	OK
360 minute summer	MH21	184	29.536	0.036	1.7	0.0058	0.0000	OK
360 minute summer	MH22	344	29.368	0.240	1.7	0.0000	0.0000	OK
360 minute summer	MH23	184	29.617	0.017	0.4	0.0027	0.0000	OK
360 minute summer	MH24	184	29.492	0.022	0.8	0.0034	0.0000	OK
360 minute summer	MH25	344	29.368	0.240	0.8	0.0000	0.0000	OK
360 minute summer	MH26	344	29.368	0.268	1.3	0.0758	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	MH1	1.000	MH2	0.7	0.444	0.111	0.0147	10.6
360 minute summer	MH2	1.001	MH3	1.1	0.597	0.177	0.0210	
360 minute summer	MH3	Flow through Pond	MH10	2.5	0.015	0.000	27.4237	
360 minute summer	MH4	2.000	MH5	0.3	0.257	0.049	0.0081	
360 minute summer	MH5	2.001	MH6	0.9	0.344	0.147	0.0314	
360 minute summer	MH6	2.002	MH7	3.7	0.791	0.204	0.0437	
360 minute summer	MH7	Flow through Pond	MH10	2.5	0.015	0.000	27.4237	
360 minute summer	MH8	3.000	MH9	0.7	0.515	0.115	0.0153	
360 minute summer	MH9	Flow through Pond	MH10	2.5	0.015	0.000	27.4237	
360 minute summer	MH10	1.002	MH11	0.2	0.208	0.012	0.0185	
360 minute summer	MH11	1.003	MH12	0.3	0.536	0.019	0.0082	
360 minute summer	MH12	Weir		0.4				
360 minute summer	MH13	4.000	MH14	0.7	0.507	0.115	0.0192	
360 minute summer	MH14	4.001	MH15	0.7	0.513	0.113	0.0052	
360 minute summer	MH15	Flow through Pond	MH19	1.2	0.010	0.000	10.8684	
360 minute summer	MH16	5.000	MH17	1.4	0.723	0.215	0.0185	
360 minute summer	MH17	5.001	MH18	1.7	0.827	0.064	0.0112	
360 minute summer	MH18	Flow through Pond	MH19	1.2	0.010	0.000	10.8684	
360 minute summer	MH19	4.002	MH11	0.1	0.201	0.007	0.0025	
360 minute summer	MH20	6.000	MH21	1.1	0.504	0.174	0.0200	
360 minute summer	MH21	6.001	MH22	1.7	0.668	0.272	0.0240	
360 minute summer	MH22	Flow through Pond	MH26	1.3	0.013	0.001	11.8167	
360 minute summer	MH23	7.000	MH24	0.4	0.375	0.065	0.0134	
360 minute summer	MH24	7.001	MH25	0.8	0.657	0.097	0.0046	
360 minute summer	MH25	Flow through Pond	MH26	1.3	0.013	0.001	11.8167	
360 minute summer	MH26	6.002	MH12	0.1	0.510	0.008	0.0007	

Results for 100 year 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 96.26%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	MH1	168	29.708	0.017	0.4	0.0000	0.0000	OK
360 minute winter	MH2	184	29.614	0.023	0.7	0.0000	0.0000	OK
360 minute winter	MH3	360	29.503	0.488	0.7	0.0000	0.0000	OK
360 minute winter	MH4	168	29.703	0.012	0.2	0.0000	0.0000	OK
360 minute winter	MH5	184	29.642	0.021	0.6	0.0000	0.0000	OK
360 minute winter	MH6	184	29.539	0.038	2.4	0.0060	0.0000	OK
360 minute winter	MH7	352	29.503	0.488	2.4	0.0000	0.0000	OK
360 minute winter	MH8	168	29.708	0.017	0.4	0.0000	0.0000	OK
360 minute winter	MH9	352	29.503	0.488	0.4	0.0000	0.0000	OK
360 minute winter	MH10	360	29.502	0.511	1.9	0.1447	0.0000	SURCHARGED
360 minute winter	MH11	360	28.867	0.017	0.3	0.0049	0.0000	OK
360 minute winter	MH12	352	28.764	0.004	0.4	0.0010	0.0000	OK
360 minute winter	MH13	168	29.618	0.018	0.4	0.0050	0.0000	OK
360 minute winter	MH14	168	29.478	0.018	0.4	0.0050	0.0000	OK
360 minute winter	MH15	352	29.366	0.231	0.4	0.0000	0.0000	OK
360 minute winter	MH16	184	29.626	0.026	0.9	0.0000	0.0000	OK
360 minute winter	MH17	184	29.511	0.021	1.1	0.0034	0.0000	OK
360 minute winter	MH18	352	29.366	0.231	1.1	0.0000	0.0000	OK
360 minute winter	MH19	352	29.366	0.246	0.8	0.0696	0.0000	SURCHARGED
360 minute winter	MH20	176	29.622	0.022	0.7	0.0000	0.0000	OK
360 minute winter	MH21	184	29.529	0.029	1.1	0.0046	0.0000	OK
360 minute winter	MH22	352	29.362	0.234	1.1	0.0000	0.0000	OK
360 minute winter	MH23	184	29.615	0.015	0.3	0.0024	0.0000	OK
360 minute winter	MH24	184	29.489	0.019	0.6	0.0030	0.0000	OK
360 minute winter	MH25	352	29.362	0.234	0.6	0.0000	0.0000	OK
360 minute winter	MH26	352	29.362	0.262	0.9	0.0740	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	MH1	1.000	MH2	0.4	0.384	0.064	0.0104	
360 minute winter	MH2	1.001	MH3	0.7	0.525	0.113	0.0153	
360 minute winter	MH3	Flow through Pond	MH10	1.7	0.026	0.000	27.0685	
360 minute winter	MH4	2.000	MH5	0.2	0.249	0.033	0.0061	
360 minute winter	MH5	2.001	MH6	0.6	0.310	0.099	0.0234	
360 minute winter	MH6	2.002	MH7	2.4	0.702	0.133	0.0406	
360 minute winter	MH7	Flow through Pond	MH10	1.7	0.026	0.000	27.0685	
360 minute winter	MH8	3.000	MH9	0.4	0.438	0.066	0.0103	
360 minute winter	MH9	Flow through Pond	MH10	1.7	0.026	0.000	27.0685	
360 minute winter	MH10	1.002	MH11	0.2	0.207	0.012	0.0184	
360 minute winter	MH11	1.003	MH12	0.3	0.536	0.019	0.0082	
360 minute winter	MH12	Weir		0.4				10.6
360 minute winter	MH13	4.000	MH14	0.4	0.433	0.066	0.0129	
360 minute winter	MH14	4.001	MH15	0.4	0.438	0.065	0.0035	
360 minute winter	MH15	Flow through Pond	MH19	0.8	0.010	0.000	11.0996	
360 minute winter	MH16	5.000	MH17	0.9	0.636	0.139	0.0136	
360 minute winter	MH17	5.001	MH18	1.1	0.731	0.042	0.0083	
360 minute winter	MH18	Flow through Pond	MH19	0.8	0.010	0.000	11.0996	
360 minute winter	MH19	4.002	MH11	0.1	0.203	0.007	0.0025	
360 minute winter	MH20	6.000	MH21	0.7	0.459	0.111	0.0145	
360 minute winter	MH21	6.001	MH22	1.1	0.593	0.177	0.0175	
360 minute winter	MH22	Flow through Pond	MH26	0.9	0.018	0.001	11.5233	
360 minute winter	MH23	7.000	MH24	0.3	0.346	0.049	0.0109	
360 minute winter	MH24	7.001	MH25	0.6	0.604	0.073	0.0038	
360 minute winter	MH25	Flow through Pond	MH26	0.9	0.018	0.001	11.5233	
360 minute winter	MH26	6.002	MH12	0.1	0.508	0.008	0.0007	

Results for 100 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 96.37%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	MH1	240	29.710	0.019	0.5	0.0000	0.0000	OK
480 minute summer	MH2	240	29.615	0.024	0.8	0.0000	0.0000	OK
480 minute summer	MH3	480	29.504	0.489	0.8	0.0000	0.0000	OK
480 minute summer	MH4	232	29.703	0.012	0.2	0.0000	0.0000	OK
480 minute summer	MH5	240	29.642	0.021	0.6	0.0000	0.0000	OK
480 minute summer	MH6	248	29.541	0.040	2.7	0.0064	0.0000	OK
480 minute summer	MH7	480	29.504	0.489	2.7	0.0000	0.0000	OK
480 minute summer	MH8	240	29.710	0.019	0.5	0.0000	0.0000	OK
480 minute summer	MH9	480	29.504	0.489	0.5	0.0000	0.0000	OK
480 minute summer	MH10	480	29.503	0.512	2.1	0.1450	0.0000	SURCHARGED
480 minute summer	MH11	480	28.867	0.017	0.3	0.0049	0.0000	OK
480 minute summer	MH12	480	28.764	0.004	0.4	0.0010	0.0000	OK
480 minute summer	MH13	240	29.620	0.020	0.5	0.0056	0.0000	OK
480 minute summer	MH14	240	29.480	0.020	0.5	0.0056	0.0000	OK
480 minute summer	MH15	472	29.362	0.227	0.5	0.0000	0.0000	OK
480 minute summer	MH16	248	29.629	0.029	1.1	0.0000	0.0000	OK
480 minute summer	MH17	248	29.513	0.023	1.3	0.0037	0.0000	OK
480 minute summer	MH18	472	29.362	0.227	1.3	0.0000	0.0000	OK
480 minute summer	MH19	472	29.362	0.242	0.9	0.0685	0.0000	SURCHARGED
480 minute summer	MH20	248	29.626	0.026	0.9	0.0000	0.0000	OK
480 minute summer	MH21	248	29.532	0.031	1.3	0.0050	0.0000	OK
480 minute summer	MH22	400	29.351	0.222	1.3	0.0000	0.0000	OK
480 minute summer	MH23	240	29.615	0.015	0.3	0.0024	0.0000	OK
480 minute summer	MH24	240	29.489	0.019	0.6	0.0030	0.0000	OK
480 minute summer	MH25	400	29.351	0.222	0.6	0.0000	0.0000	OK
480 minute summer	MH26	400	29.350	0.250	1.0	0.0709	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	MH1	1.000	MH2	0.5	0.400	0.080	0.0117	
480 minute summer	MH2	1.001	MH3	0.8	0.546	0.129	0.0168	
480 minute summer	MH3	Flow through Pond	MH10	1.9	0.014	0.000	27.1205	
480 minute summer	MH4	2.000	MH5	0.2	0.248	0.033	0.0062	
480 minute summer	MH5	2.001	MH6	0.6	0.305	0.099	0.0248	
480 minute summer	MH6	2.002	MH7	2.7	0.727	0.150	0.0407	
480 minute summer	MH7	Flow through Pond	MH10	1.9	0.014	0.000	27.1205	
480 minute summer	MH8	3.000	MH9	0.5	0.468	0.083	0.0121	
480 minute summer	MH9	Flow through Pond	MH10	1.9	0.014	0.000	27.1205	
480 minute summer	MH10	1.002	MH11	0.2	0.207	0.012	0.0184	
480 minute summer	MH11	1.003	MH12	0.3	0.536	0.019	0.0082	
480 minute summer	MH12	Weir		0.4				12.3
480 minute summer	MH13	4.000	MH14	0.5	0.462	0.083	0.0152	
480 minute summer	MH14	4.001	MH15	0.5	0.468	0.081	0.0041	
480 minute summer	MH15	Flow through Pond	MH19	0.9	0.006	0.000	10.9171	
480 minute summer	MH16	5.000	MH17	1.1	0.680	0.170	0.0155	
480 minute summer	MH17	5.001	MH18	1.3	0.768	0.049	0.0093	
480 minute summer	MH18	Flow through Pond	MH19	0.9	0.006	0.000	10.9171	
480 minute summer	MH19	4.002	MH11	0.1	0.201	0.007	0.0025	
480 minute summer	MH20	6.000	MH21	0.9	0.490	0.142	0.0168	
480 minute summer	MH21	6.001	MH22	1.3	0.622	0.210	0.0198	
480 minute summer	MH22	Flow through Pond	MH26	1.0	0.009	0.001	11.0059	
480 minute summer	MH23	7.000	MH24	0.3	0.346	0.049	0.0109	
480 minute summer	MH24	7.001	MH25	0.6	0.604	0.073	0.0038	
480 minute summer	MH25	Flow through Pond	MH26	1.0	0.009	0.001	11.0059	
480 minute summer	MH26	6.002	MH12	0.1	0.504	0.008	0.0007	

Results for 100 year 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 96.37%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	MH1	248	29.708	0.017	0.4	0.0000	0.0000	OK
480 minute winter	MH2	248	29.612	0.021	0.6	0.0000	0.0000	OK
480 minute winter	MH3	464	29.519	0.504	0.6	0.0000	0.0000	OK
480 minute winter	MH4	168	29.700	0.009	0.1	0.0000	0.0000	OK
480 minute winter	MH5	232	29.638	0.017	0.4	0.0000	0.0000	OK
480 minute winter	MH6	240	29.534	0.033	1.8	0.0052	0.0000	OK
480 minute winter	MH7	464	29.519	0.504	1.8	0.0000	0.0000	OK
480 minute winter	MH8	248	29.708	0.017	0.4	0.0000	0.0000	OK
480 minute winter	MH9	464	29.519	0.504	0.4	0.0000	0.0000	OK
480 minute winter	MH10	464	29.518	0.527	1.5	0.1492	0.0000	SURCHARGED
480 minute winter	MH11	472	28.867	0.017	0.3	0.0049	0.0000	OK
480 minute winter	MH12	464	28.764	0.004	0.4	0.0010	0.0000	OK
480 minute winter	MH13	248	29.618	0.018	0.4	0.0050	0.0000	OK
480 minute winter	MH14	248	29.478	0.018	0.4	0.0050	0.0000	OK
480 minute winter	MH15	472	29.365	0.230	0.4	0.0000	0.0000	OK
480 minute winter	MH16	232	29.623	0.023	0.7	0.0000	0.0000	OK
480 minute winter	MH17	232	29.508	0.018	0.8	0.0029	0.0000	OK
480 minute winter	MH18	472	29.365	0.230	0.8	0.0000	0.0000	OK
480 minute winter	MH19	472	29.365	0.245	0.6	0.0693	0.0000	SURCHARGED
480 minute winter	MH20	240	29.621	0.021	0.6	0.0000	0.0000	OK
480 minute winter	MH21	240	29.526	0.026	0.9	0.0041	0.0000	OK
480 minute winter	MH22	440	29.366	0.237	0.9	0.0000	0.0000	OK
480 minute winter	MH23	208	29.612	0.012	0.2	0.0020	0.0000	OK
480 minute winter	MH24	208	29.485	0.015	0.4	0.0024	0.0000	OK
480 minute winter	MH25	440	29.366	0.237	0.4	0.0000	0.0000	OK
480 minute winter	MH26	440	29.365	0.265	0.7	0.0751	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	MH1	1.000	MH2	0.4	0.384	0.064	0.0097	
480 minute winter	MH2	1.001	MH3	0.6	0.502	0.097	0.0221	
480 minute winter	MH3	Flow through Pond	MH10	1.4	0.018	0.000	27.9295	
480 minute winter	MH4	2.000	MH5	0.1	0.223	0.016	0.0044	
480 minute winter	MH5	2.001	MH6	0.4	0.269	0.066	0.0187	
480 minute winter	MH6	2.002	MH7	1.8	0.648	0.100	0.0516	
480 minute winter	MH7	Flow through Pond	MH10	1.4	0.018	0.000	27.9295	
480 minute winter	MH8	3.000	MH9	0.4	0.438	0.066	0.0103	
480 minute winter	MH9	Flow through Pond	MH10	1.4	0.018	0.000	27.9295	
480 minute winter	MH10	1.002	MH11	0.2	0.208	0.013	0.0186	
480 minute winter	MH11	1.003	MH12	0.3	0.538	0.020	0.0082	
480 minute winter	MH12	Weir		0.4				12.5
480 minute winter	MH13	4.000	MH14	0.4	0.433	0.066	0.0129	
480 minute winter	MH14	4.001	MH15	0.4	0.438	0.065	0.0035	
480 minute winter	MH15	Flow through Pond	MH19	0.6	0.008	0.000	11.0560	
480 minute winter	MH16	5.000	MH17	0.7	0.601	0.108	0.0112	
480 minute winter	MH17	5.001	MH18	0.8	0.665	0.030	0.0066	
480 minute winter	MH18	Flow through Pond	MH19	0.6	0.008	0.000	11.0560	
480 minute winter	MH19	4.002	MH11	0.1	0.201	0.007	0.0025	
480 minute winter	MH20	6.000	MH21	0.6	0.431	0.095	0.0128	
480 minute winter	MH21	6.001	MH22	0.9	0.561	0.145	0.0152	
480 minute winter	MH22	Flow through Pond	MH26	0.7	0.011	0.000	11.7024	
480 minute winter	MH23	7.000	MH24	0.2	0.307	0.032	0.0082	
480 minute winter	MH24	7.001	MH25	0.4	0.538	0.049	0.0028	
480 minute winter	MH25	Flow through Pond	MH26	0.7	0.011	0.000	11.7024	
480 minute winter	MH26	6.002	MH12	0.1	0.509	0.008	0.0007	

Results for 100 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 96.47%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	MH1	315	29.708	0.017	0.4	0.0000	0.0000	OK
600 minute summer	MH2	315	29.614	0.023	0.7	0.0000	0.0000	OK
600 minute summer	MH3	600	29.501	0.487	0.7	0.0000	0.0000	OK
600 minute summer	MH4	315	29.703	0.012	0.2	0.0000	0.0000	OK
600 minute summer	MH5	315	29.640	0.019	0.5	0.0000	0.0000	OK
600 minute summer	MH6	315	29.537	0.036	2.2	0.0057	0.0000	OK
600 minute summer	MH7	600	29.501	0.487	2.2	0.0000	0.0000	OK
600 minute summer	MH8	315	29.708	0.017	0.4	0.0000	0.0000	OK
600 minute summer	MH9	600	29.501	0.487	0.4	0.0000	0.0000	OK
600 minute summer	MH10	600	29.501	0.510	1.7	0.1443	0.0000	SURCHARGED
600 minute summer	MH11	600	28.867	0.017	0.3	0.0049	0.0000	OK
600 minute summer	MH12	600	28.764	0.004	0.4	0.0010	0.0000	OK
600 minute summer	MH13	315	29.618	0.018	0.4	0.0050	0.0000	OK
600 minute summer	MH14	315	29.478	0.018	0.4	0.0050	0.0000	OK
600 minute summer	MH15	525	29.359	0.224	0.4	0.0000	0.0000	OK
600 minute summer	MH16	315	29.626	0.026	0.9	0.0000	0.0000	OK
600 minute summer	MH17	315	29.511	0.021	1.1	0.0034	0.0000	OK
600 minute summer	MH18	540	29.359	0.224	1.1	0.0000	0.0000	OK
600 minute summer	MH19	525	29.359	0.239	0.8	0.0677	0.0000	SURCHARGED
600 minute summer	MH20	315	29.622	0.022	0.7	0.0000	0.0000	OK
600 minute summer	MH21	315	29.527	0.027	1.0	0.0044	0.0000	OK
600 minute summer	MH22	465	29.359	0.231	1.0	0.0000	0.0000	OK
600 minute summer	MH23	315	29.615	0.015	0.3	0.0024	0.0000	OK
600 minute summer	MH24	315	29.489	0.019	0.6	0.0030	0.0000	OK
600 minute summer	MH25	465	29.359	0.231	0.6	0.0000	0.0000	OK
600 minute summer	MH26	465	29.359	0.259	0.8	0.0734	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	MH1	1.000	MH2	0.4	0.362	0.064	0.0104	
600 minute summer	MH2	1.001	MH3	0.7	0.525	0.113	0.0153	
600 minute summer	MH3	Flow through Pond	MH10	1.5	0.007	0.000	26.9822	
600 minute summer	MH4	2.000	MH5	0.2	0.249	0.033	0.0056	
600 minute summer	MH5	2.001	MH6	0.5	0.282	0.083	0.0216	
600 minute summer	MH6	2.002	MH7	2.2	0.686	0.122	0.0393	
600 minute summer	MH7	Flow through Pond	MH10	1.5	0.007	0.000	26.9822	
600 minute summer	MH8	3.000	MH9	0.4	0.438	0.066	0.0103	
600 minute summer	MH9	Flow through Pond	MH10	1.5	0.007	0.000	26.9822	
600 minute summer	MH10	1.002	MH11	0.2	0.207	0.012	0.0184	
600 minute summer	MH11	1.003	MH12	0.3	0.535	0.019	0.0081	
600 minute summer	MH12	Weir		0.4				14.0
600 minute summer	MH13	4.000	MH14	0.4	0.433	0.066	0.0129	
600 minute summer	MH14	4.001	MH15	0.4	0.438	0.065	0.0035	
600 minute summer	MH15	Flow through Pond	MH19	0.8	0.005	0.000	10.7873	
600 minute summer	MH16	5.000	MH17	0.9	0.636	0.139	0.0136	
600 minute summer	MH17	5.001	MH18	1.1	0.731	0.042	0.0083	
600 minute summer	MH18	Flow through Pond	MH19	0.8	0.005	0.000	10.7873	
600 minute summer	MH19	4.002	MH11	0.1	0.201	0.007	0.0025	
600 minute summer	MH20	6.000	MH21	0.7	0.459	0.111	0.0140	
600 minute summer	MH21	6.001	MH22	1.0	0.578	0.161	0.0164	
600 minute summer	MH22	Flow through Pond	MH26	0.8	0.009	0.001	11.4200	
600 minute summer	MH23	7.000	MH24	0.3	0.346	0.049	0.0109	
600 minute summer	MH24	7.001	MH25	0.6	0.604	0.073	0.0038	
600 minute summer	MH25	Flow through Pond	MH26	0.8	0.009	0.001	11.4200	
600 minute summer	MH26	6.002	MH12	0.1	0.507	0.008	0.0007	

Results for 100 year 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 96.47%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	MH1	285	29.706	0.015	0.3	0.0000	0.0000	OK
600 minute winter	MH2	285	29.610	0.019	0.5	0.0000	0.0000	OK
600 minute winter	MH3	570	29.521	0.506	0.5	0.0000	0.0000	OK
600 minute winter	MH4	225	29.700	0.009	0.1	0.0000	0.0000	OK
600 minute winter	MH5	255	29.636	0.015	0.3	0.0000	0.0000	OK
600 minute winter	MH6	315	29.531	0.030	1.5	0.0047	0.0000	OK
600 minute winter	MH7	570	29.521	0.506	1.5	0.0000	0.0000	OK
600 minute winter	MH8	285	29.706	0.015	0.3	0.0000	0.0000	OK
600 minute winter	MH9	570	29.521	0.506	0.3	0.0000	0.0000	OK
600 minute winter	MH10	570	29.520	0.529	1.2	0.1498	0.0000	SURCHARGED
600 minute winter	MH11	570	28.867	0.017	0.3	0.0049	0.0000	OK
600 minute winter	MH12	570	28.764	0.004	0.4	0.0010	0.0000	OK
600 minute winter	MH13	285	29.615	0.015	0.3	0.0043	0.0000	OK
600 minute winter	MH14	285	29.475	0.015	0.3	0.0043	0.0000	OK
600 minute winter	MH15	585	29.375	0.240	0.3	0.0000	0.0000	OK
600 minute winter	MH16	300	29.621	0.021	0.6	0.0000	0.0000	OK
600 minute winter	MH17	300	29.507	0.017	0.7	0.0027	0.0000	OK
600 minute winter	MH18	585	29.375	0.240	0.7	0.0000	0.0000	OK
600 minute winter	MH19	585	29.375	0.255	0.5	0.0721	0.0000	SURCHARGED
600 minute winter	MH20	315	29.619	0.019	0.5	0.0000	0.0000	OK
600 minute winter	MH21	315	29.523	0.023	0.7	0.0036	0.0000	OK
600 minute winter	MH22	480	29.359	0.230	0.7	0.0000	0.0000	OK
600 minute winter	MH23	285	29.612	0.012	0.2	0.0020	0.0000	OK
600 minute winter	MH24	285	29.485	0.015	0.4	0.0024	0.0000	OK
600 minute winter	MH25	480	29.359	0.230	0.4	0.0000	0.0000	OK
600 minute winter	MH26	480	29.358	0.258	0.6	0.0731	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	MH1	1.000	MH2	0.3	0.339	0.048	0.0083	14.2
600 minute winter	MH2	1.001	MH3	0.5	0.476	0.081	0.0227	
600 minute winter	MH3	Flow through Pond	MH10	1.1	0.011	0.000	28.0370	
600 minute winter	MH4	2.000	MH5	0.1	0.223	0.016	0.0038	
600 minute winter	MH5	2.001	MH6	0.3	0.263	0.050	0.0161	
600 minute winter	MH6	2.002	MH7	1.5	0.615	0.083	0.0532	
600 minute winter	MH7	Flow through Pond	MH10	1.1	0.011	0.000	28.0370	
600 minute winter	MH8	3.000	MH9	0.3	0.402	0.050	0.0084	
600 minute winter	MH9	Flow through Pond	MH10	1.1	0.011	0.000	28.0370	
600 minute winter	MH10	1.002	MH11	0.2	0.208	0.013	0.0187	
600 minute winter	MH11	1.003	MH12	0.3	0.539	0.020	0.0083	
600 minute winter	MH12	Weir		0.4				
600 minute winter	MH13	4.000	MH14	0.3	0.399	0.050	0.0105	
600 minute winter	MH14	4.001	MH15	0.3	0.403	0.049	0.0029	
600 minute winter	MH15	Flow through Pond	MH19	0.5	0.006	0.000	11.5156	
600 minute winter	MH16	5.000	MH17	0.6	0.571	0.093	0.0101	
600 minute winter	MH17	5.001	MH18	0.7	0.639	0.027	0.0060	
600 minute winter	MH18	Flow through Pond	MH19	0.5	0.006	0.000	11.5156	
600 minute winter	MH19	4.002	MH11	0.1	0.204	0.007	0.0025	
600 minute winter	MH20	6.000	MH21	0.5	0.420	0.079	0.0109	
600 minute winter	MH21	6.001	MH22	0.7	0.523	0.113	0.0127	
600 minute winter	MH22	Flow through Pond	MH26	0.6	0.007	0.000	11.3765	
600 minute winter	MH23	7.000	MH24	0.2	0.307	0.032	0.0082	
600 minute winter	MH24	7.001	MH25	0.4	0.538	0.049	0.0028	
600 minute winter	MH25	Flow through Pond	MH26	0.6	0.007	0.000	11.3765	
600 minute winter	MH26	6.002	MH12	0.1	0.507	0.008	0.0007	

Results for 100 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 96.58%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	MH1	375	29.708	0.017	0.4	0.0000	0.0000	OK
720 minute summer	MH2	375	29.612	0.021	0.6	0.0000	0.0000	OK
720 minute summer	MH3	645	29.495	0.481	0.6	0.0000	0.0000	OK
720 minute summer	MH4	375	29.703	0.012	0.2	0.0000	0.0000	OK
720 minute summer	MH5	375	29.640	0.019	0.5	0.0000	0.0000	OK
720 minute summer	MH6	375	29.535	0.034	2.0	0.0055	0.0000	OK
720 minute summer	MH7	645	29.496	0.481	2.0	0.0000	0.0000	OK
720 minute summer	MH8	375	29.708	0.017	0.4	0.0000	0.0000	OK
720 minute summer	MH9	645	29.495	0.481	0.4	0.0000	0.0000	OK
720 minute summer	MH10	645	29.495	0.504	1.6	0.1426	0.0000	SURCHARGED
720 minute summer	MH11	645	28.867	0.017	0.3	0.0048	0.0000	OK
720 minute summer	MH12	645	28.763	0.003	0.4	0.0010	0.0000	OK
720 minute summer	MH13	375	29.618	0.018	0.4	0.0050	0.0000	OK
720 minute summer	MH14	375	29.478	0.018	0.4	0.0050	0.0000	OK
720 minute summer	MH15	585	29.360	0.225	0.4	0.0000	0.0000	OK
720 minute summer	MH16	375	29.625	0.025	0.8	0.0000	0.0000	OK
720 minute summer	MH17	375	29.510	0.020	1.0	0.0032	0.0000	OK
720 minute summer	MH18	585	29.360	0.225	1.0	0.0000	0.0000	OK
720 minute summer	MH19	585	29.360	0.240	0.7	0.0680	0.0000	SURCHARGED
720 minute summer	MH20	375	29.621	0.021	0.6	0.0000	0.0000	OK
720 minute summer	MH21	375	29.526	0.026	0.9	0.0041	0.0000	OK
720 minute summer	MH22	525	29.350	0.222	0.9	0.0000	0.0000	OK
720 minute summer	MH23	345	29.612	0.012	0.2	0.0020	0.0000	OK
720 minute summer	MH24	345	29.485	0.015	0.4	0.0024	0.0000	OK
720 minute summer	MH25	525	29.350	0.222	0.4	0.0000	0.0000	OK
720 minute summer	MH26	525	29.350	0.250	0.7	0.0706	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	MH1	1.000	MH2	0.4	0.384	0.064	0.0097	15.6
720 minute summer	MH2	1.001	MH3	0.6	0.502	0.097	0.0137	
720 minute summer	MH3	Flow through Pond	MH10	1.4	0.005	0.000	26.6709	
720 minute summer	MH4	2.000	MH5	0.2	0.249	0.033	0.0056	
720 minute summer	MH5	2.001	MH6	0.5	0.295	0.083	0.0207	
720 minute summer	MH6	2.002	MH7	2.0	0.668	0.111	0.0359	
720 minute summer	MH7	Flow through Pond	MH10	1.4	0.005	0.000	26.6709	
720 minute summer	MH8	3.000	MH9	0.4	0.438	0.066	0.0103	
720 minute summer	MH9	Flow through Pond	MH10	1.4	0.005	0.000	26.6709	
720 minute summer	MH10	1.002	MH11	0.2	0.206	0.012	0.0183	
720 minute summer	MH11	1.003	MH12	0.3	0.535	0.019	0.0081	
720 minute summer	MH12	Weir		0.4				
720 minute summer	MH13	4.000	MH14	0.4	0.433	0.066	0.0129	
720 minute summer	MH14	4.001	MH15	0.4	0.438	0.065	0.0035	
720 minute summer	MH15	Flow through Pond	MH19	0.7	0.005	0.000	10.8337	
720 minute summer	MH16	5.000	MH17	0.8	0.611	0.123	0.0126	
720 minute summer	MH17	5.001	MH18	1.0	0.711	0.038	0.0077	
720 minute summer	MH18	Flow through Pond	MH19	0.7	0.005	0.000	10.8337	
720 minute summer	MH19	4.002	MH11	0.1	0.202	0.007	0.0025	
720 minute summer	MH20	6.000	MH21	0.6	0.431	0.095	0.0128	
720 minute summer	MH21	6.001	MH22	0.9	0.561	0.145	0.0152	
720 minute summer	MH22	Flow through Pond	MH26	0.7	0.009	0.000	10.9633	
720 minute summer	MH23	7.000	MH24	0.2	0.307	0.032	0.0082	
720 minute summer	MH24	7.001	MH25	0.4	0.538	0.049	0.0028	
720 minute summer	MH25	Flow through Pond	MH26	0.7	0.009	0.000	10.9633	
720 minute summer	MH26	6.002	MH12	0.1	0.504	0.008	0.0007	

Results for 100 year 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 96.58%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	MH1	375	29.706	0.015	0.3	0.0000	0.0000	OK
720 minute winter	MH2	375	29.610	0.019	0.5	0.0000	0.0000	OK
720 minute winter	MH3	675	29.497	0.483	0.5	0.0000	0.0000	OK
720 minute winter	MH4	270	29.700	0.009	0.1	0.0000	0.0000	OK
720 minute winter	MH5	315	29.636	0.015	0.3	0.0000	0.0000	OK
720 minute winter	MH6	360	29.529	0.028	1.3	0.0044	0.0000	OK
720 minute winter	MH7	675	29.497	0.483	1.3	0.0000	0.0000	OK
720 minute winter	MH8	375	29.706	0.015	0.3	0.0000	0.0000	OK
720 minute winter	MH9	675	29.497	0.483	0.3	0.0000	0.0000	OK
720 minute winter	MH10	675	29.497	0.506	1.1	0.1432	0.0000	SURCHARGED
720 minute winter	MH11	675	28.867	0.017	0.3	0.0049	0.0000	OK
720 minute winter	MH12	675	28.764	0.004	0.4	0.0010	0.0000	OK
720 minute winter	MH13	375	29.615	0.015	0.3	0.0043	0.0000	OK
720 minute winter	MH14	375	29.475	0.015	0.3	0.0043	0.0000	OK
720 minute winter	MH15	600	29.363	0.228	0.3	0.0000	0.0000	OK
720 minute winter	MH16	345	29.619	0.019	0.5	0.0000	0.0000	OK
720 minute winter	MH17	345	29.506	0.016	0.6	0.0025	0.0000	OK
720 minute winter	MH18	600	29.363	0.228	0.6	0.0000	0.0000	OK
720 minute winter	MH19	600	29.363	0.243	0.5	0.0687	0.0000	SURCHARGED
720 minute winter	MH20	345	29.617	0.017	0.4	0.0000	0.0000	OK
720 minute winter	MH21	345	29.521	0.021	0.6	0.0034	0.0000	OK
720 minute winter	MH22	555	29.355	0.226	0.6	0.0000	0.0000	OK
720 minute winter	MH23	375	29.612	0.012	0.2	0.0020	0.0000	OK
720 minute winter	MH24	375	29.485	0.015	0.4	0.0024	0.0000	OK
720 minute winter	MH25	555	29.355	0.226	0.4	0.0000	0.0000	OK
720 minute winter	MH26	555	29.354	0.254	0.5	0.0720	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	MH1	1.000	MH2	0.3	0.339	0.048	0.0083	
720 minute winter	MH2	1.001	MH3	0.5	0.476	0.081	0.0120	
720 minute winter	MH3	Flow through Pond	MH10	1.0	0.009	0.000	26.7751	
720 minute winter	MH4	2.000	MH5	0.1	0.223	0.016	0.0038	
720 minute winter	MH5	2.001	MH6	0.3	0.264	0.050	0.0150	
720 minute winter	MH6	2.002	MH7	1.3	0.590	0.072	0.0370	
720 minute winter	MH7	Flow through Pond	MH10	1.0	0.009	0.000	26.7751	
720 minute winter	MH8	3.000	MH9	0.3	0.402	0.050	0.0084	
720 minute winter	MH9	Flow through Pond	MH10	1.0	0.009	0.000	26.7751	
720 minute winter	MH10	1.002	MH11	0.2	0.206	0.012	0.0184	
720 minute winter	MH11	1.003	MH12	0.3	0.536	0.019	0.0081	
720 minute winter	MH12	Weir		0.4				15.7
720 minute winter	MH13	4.000	MH14	0.3	0.399	0.050	0.0105	
720 minute winter	MH14	4.001	MH15	0.3	0.403	0.049	0.0029	
720 minute winter	MH15	Flow through Pond	MH19	0.5	0.004	0.000	10.9520	
720 minute winter	MH16	5.000	MH17	0.5	0.538	0.077	0.0089	
720 minute winter	MH17	5.001	MH18	0.6	0.610	0.023	0.0054	
720 minute winter	MH18	Flow through Pond	MH19	0.5	0.004	0.000	10.9520	
720 minute winter	MH19	4.002	MH11	0.1	0.202	0.007	0.0025	
720 minute winter	MH20	6.000	MH21	0.4	0.383	0.063	0.0096	
720 minute winter	MH21	6.001	MH22	0.6	0.500	0.097	0.0114	
720 minute winter	MH22	Flow through Pond	MH26	0.5	0.007	0.000	11.1901	
720 minute winter	MH23	7.000	MH24	0.2	0.307	0.032	0.0082	
720 minute winter	MH24	7.001	MH25	0.4	0.538	0.049	0.0028	
720 minute winter	MH25	Flow through Pond	MH26	0.5	0.007	0.000	11.1901	
720 minute winter	MH26	6.002	MH12	0.1	0.506	0.008	0.0007	

Results for 100 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 96.80%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	MH1	480	29.706	0.015	0.3	0.0000	0.0000	OK
960 minute summer	MH2	480	29.610	0.019	0.5	0.0000	0.0000	OK
960 minute summer	MH3	765	29.475	0.461	0.5	0.0000	0.0000	OK
960 minute summer	MH4	405	29.700	0.009	0.1	0.0000	0.0000	OK
960 minute summer	MH5	450	29.636	0.015	0.3	0.0000	0.0000	OK
960 minute summer	MH6	495	29.531	0.030	1.5	0.0047	0.0000	OK
960 minute summer	MH7	765	29.476	0.461	1.5	0.0000	0.0000	OK
960 minute summer	MH8	480	29.706	0.015	0.3	0.0000	0.0000	OK
960 minute summer	MH9	765	29.475	0.461	0.3	0.0000	0.0000	OK
960 minute summer	MH10	765	29.475	0.484	1.2	0.1370	0.0000	SURCHARGED
960 minute summer	MH11	765	28.867	0.017	0.3	0.0048	0.0000	OK
960 minute summer	MH12	765	28.763	0.003	0.4	0.0010	0.0000	OK
960 minute summer	MH13	480	29.615	0.015	0.3	0.0043	0.0000	OK
960 minute summer	MH14	480	29.475	0.015	0.3	0.0043	0.0000	OK
960 minute summer	MH15	705	29.358	0.223	0.3	0.0000	0.0000	OK
960 minute summer	MH16	495	29.621	0.021	0.6	0.0000	0.0000	OK
960 minute summer	MH17	495	29.507	0.017	0.7	0.0027	0.0000	OK
960 minute summer	MH18	720	29.358	0.223	0.7	0.0000	0.0000	OK
960 minute summer	MH19	720	29.358	0.238	0.5	0.0674	0.0000	SURCHARGED
960 minute summer	MH20	495	29.619	0.019	0.5	0.0000	0.0000	OK
960 minute summer	MH21	495	29.523	0.023	0.7	0.0036	0.0000	OK
960 minute summer	MH22	660	29.342	0.214	0.7	0.0000	0.0000	OK
960 minute summer	MH23	480	29.612	0.012	0.2	0.0020	0.0000	OK
960 minute summer	MH24	480	29.485	0.015	0.4	0.0024	0.0000	OK
960 minute summer	MH25	660	29.342	0.214	0.4	0.0000	0.0000	OK
960 minute summer	MH26	660	29.342	0.242	0.6	0.0684	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	MH1	1.000	MH2	0.3	0.339	0.048	0.0083	
960 minute summer	MH2	1.001	MH3	0.5	0.476	0.081	0.0120	
960 minute summer	MH3	Flow through Pond	MH10	1.1	0.005	0.000	25.5882	
960 minute summer	MH4	2.000	MH5	0.1	0.223	0.016	0.0038	
960 minute summer	MH5	2.001	MH6	0.3	0.263	0.050	0.0161	
960 minute summer	MH6	2.002	MH7	1.5	0.615	0.083	0.0244	
960 minute summer	MH7	Flow through Pond	MH10	1.1	0.005	0.000	25.5882	
960 minute summer	MH8	3.000	MH9	0.3	0.402	0.050	0.0084	
960 minute summer	MH9	Flow through Pond	MH10	1.1	0.005	0.000	25.5882	
960 minute summer	MH10	1.002	MH11	0.2	0.204	0.012	0.0181	
960 minute summer	MH11	1.003	MH12	0.3	0.533	0.019	0.0080	
960 minute summer	MH12	Weir		0.4				18.6
960 minute summer	MH13	4.000	MH14	0.3	0.399	0.050	0.0105	
960 minute summer	MH14	4.001	MH15	0.3	0.403	0.049	0.0029	
960 minute summer	MH15	Flow through Pond	MH19	0.5	0.005	0.000	10.7375	
960 minute summer	MH16	5.000	MH17	0.6	0.571	0.093	0.0101	
960 minute summer	MH17	5.001	MH18	0.7	0.639	0.027	0.0060	
960 minute summer	MH18	Flow through Pond	MH19	0.5	0.005	0.000	10.7375	
960 minute summer	MH19	4.002	MH11	0.1	0.203	0.007	0.0025	
960 minute summer	MH20	6.000	MH21	0.5	0.420	0.079	0.0109	
960 minute summer	MH21	6.001	MH22	0.7	0.523	0.113	0.0127	
960 minute summer	MH22	Flow through Pond	MH26	0.6	0.007	0.000	10.6015	
960 minute summer	MH23	7.000	MH24	0.2	0.307	0.032	0.0082	
960 minute summer	MH24	7.001	MH25	0.4	0.538	0.049	0.0028	
960 minute summer	MH25	Flow through Pond	MH26	0.6	0.007	0.000	10.6015	
960 minute summer	MH26	6.002	MH12	0.1	0.502	0.007	0.0007	

Results for 100 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 96.78%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	MH1	420	29.703	0.012	0.2	0.0000	0.0000	OK
960 minute winter	MH2	420	29.606	0.015	0.3	0.0000	0.0000	OK
960 minute winter	MH3	780	29.499	0.485	0.3	0.0000	0.0000	OK
960 minute winter	MH4	390	29.700	0.009	0.1	0.0000	0.0000	OK
960 minute winter	MH5	465	29.636	0.015	0.3	0.0000	0.0000	OK
960 minute winter	MH6	465	29.526	0.025	1.1	0.0041	0.0000	OK
960 minute winter	MH7	780	29.500	0.485	1.1	0.0000	0.0000	OK
960 minute winter	MH8	420	29.704	0.012	0.2	0.0000	0.0000	OK
960 minute winter	MH9	780	29.499	0.485	0.2	0.0000	0.0000	OK
960 minute winter	MH10	780	29.499	0.508	0.9	0.1438	0.0000	SURCHARGED
960 minute winter	MH11	780	28.867	0.017	0.3	0.0049	0.0000	OK
960 minute winter	MH12	780	28.764	0.004	0.4	0.0010	0.0000	OK
960 minute winter	MH13	420	29.613	0.013	0.2	0.0036	0.0000	OK
960 minute winter	MH14	420	29.473	0.013	0.2	0.0035	0.0000	OK
960 minute winter	MH15	750	29.366	0.230	0.2	0.0000	0.0000	OK
960 minute winter	MH16	450	29.617	0.017	0.4	0.0000	0.0000	OK
960 minute winter	MH17	450	29.505	0.015	0.5	0.0023	0.0000	OK
960 minute winter	MH18	750	29.366	0.230	0.5	0.0000	0.0000	OK
960 minute winter	MH19	750	29.365	0.245	0.4	0.0694	0.0000	SURCHARGED
960 minute winter	MH20	435	29.615	0.015	0.3	0.0000	0.0000	OK
960 minute winter	MH21	465	29.519	0.019	0.5	0.0031	0.0000	OK
960 minute winter	MH22	705	29.357	0.229	0.5	0.0000	0.0000	OK
960 minute winter	MH23	330	29.609	0.009	0.1	0.0014	0.0000	OK
960 minute winter	MH24	330	29.481	0.011	0.2	0.0017	0.0000	OK
960 minute winter	MH25	705	29.357	0.229	0.2	0.0000	0.0000	OK
960 minute winter	MH26	705	29.357	0.257	0.4	0.0726	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	MH1	1.000	MH2	0.2	0.313	0.032	0.0060	
960 minute winter	MH2	1.001	MH3	0.3	0.409	0.049	0.0105	
960 minute winter	MH3	Flow through Pond	MH10	0.8	0.006	0.000	26.8871	
960 minute winter	MH4	2.000	MH5	0.1	0.223	0.016	0.0038	
960 minute winter	MH5	2.001	MH6	0.3	0.264	0.050	0.0139	
960 minute winter	MH6	2.002	MH7	1.1	0.562	0.061	0.0382	
960 minute winter	MH7	Flow through Pond	MH10	0.8	0.006	0.000	26.8871	
960 minute winter	MH8	3.000	MH9	0.2	0.356	0.033	0.0064	
960 minute winter	MH9	Flow through Pond	MH10	0.8	0.006	0.000	26.8871	
960 minute winter	MH10	1.002	MH11	0.2	0.206	0.012	0.0184	
960 minute winter	MH11	1.003	MH12	0.3	0.536	0.019	0.0082	
960 minute winter	MH12	Weir		0.4				19.2
960 minute winter	MH13	4.000	MH14	0.2	0.354	0.033	0.0079	
960 minute winter	MH14	4.001	MH15	0.2	0.357	0.033	0.0022	
960 minute winter	MH15	Flow through Pond	MH19	0.4	0.004	0.000	11.0746	
960 minute winter	MH16	5.000	MH17	0.4	0.498	0.062	0.0077	
960 minute winter	MH17	5.001	MH18	0.5	0.578	0.019	0.0047	
960 minute winter	MH18	Flow through Pond	MH19	0.4	0.004	0.000	11.0746	
960 minute winter	MH19	4.002	MH11	0.1	0.203	0.007	0.0025	
960 minute winter	MH20	6.000	MH21	0.3	0.369	0.047	0.0082	
960 minute winter	MH21	6.001	MH22	0.5	0.474	0.081	0.0100	
960 minute winter	MH22	Flow through Pond	MH26	0.4	0.007	0.000	11.2950	
960 minute winter	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
960 minute winter	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
960 minute winter	MH25	Flow through Pond	MH26	0.4	0.007	0.000	11.2950	
960 minute winter	MH26	6.002	MH12	0.1	0.506	0.008	0.0007	

Results for 100 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 97.19%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	MH1	720	29.703	0.012	0.2	0.0000	0.0000	OK
1440 minute summer	MH2	720	29.606	0.015	0.3	0.0000	0.0000	OK
1440 minute summer	MH3	1020	29.452	0.438	0.3	0.0000	0.0000	OK
1440 minute summer	MH4	690	29.700	0.009	0.1	0.0000	0.0000	OK
1440 minute summer	MH5	750	29.636	0.015	0.3	0.0000	0.0000	OK
1440 minute summer	MH6	750	29.526	0.025	1.1	0.0041	0.0000	OK
1440 minute summer	MH7	1020	29.453	0.438	1.1	0.0000	0.0000	OK
1440 minute summer	MH8	720	29.704	0.012	0.2	0.0000	0.0000	OK
1440 minute summer	MH9	1020	29.452	0.438	0.2	0.0000	0.0000	OK
1440 minute summer	MH10	1020	29.452	0.461	0.9	0.1305	0.0000	SURCHARGED
1440 minute summer	MH11	1020	28.867	0.017	0.3	0.0048	0.0000	OK
1440 minute summer	MH12	1020	28.763	0.003	0.4	0.0010	0.0000	OK
1440 minute summer	MH13	720	29.613	0.013	0.2	0.0036	0.0000	OK
1440 minute summer	MH14	720	29.473	0.013	0.2	0.0035	0.0000	OK
1440 minute summer	MH15	1170	29.343	0.208	0.2	0.0000	0.0000	OK
1440 minute summer	MH16	720	29.617	0.017	0.4	0.0000	0.0000	OK
1440 minute summer	MH17	720	29.505	0.015	0.5	0.0023	0.0000	OK
1440 minute summer	MH18	1170	29.344	0.208	0.5	0.0000	0.0000	OK
1440 minute summer	MH19	1170	29.343	0.223	0.4	0.0632	0.0000	SURCHARGED
1440 minute summer	MH20	720	29.615	0.015	0.3	0.0000	0.0000	OK
1440 minute summer	MH21	750	29.519	0.019	0.5	0.0031	0.0000	OK
1440 minute summer	MH22	1050	29.320	0.192	0.5	0.0000	0.0000	OK
1440 minute summer	MH23	630	29.609	0.009	0.1	0.0014	0.0000	OK
1440 minute summer	MH24	630	29.481	0.011	0.2	0.0017	0.0000	OK
1440 minute summer	MH25	1050	29.320	0.192	0.2	0.0000	0.0000	OK
1440 minute summer	MH26	1050	29.320	0.220	0.4	0.0623	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	MH1	1.000	MH2	0.2	0.313	0.032	0.0060	23.4
1440 minute summer	MH2	1.001	MH3	0.3	0.409	0.049	0.0084	
1440 minute summer	MH3	Flow through Pond	MH10	0.8	0.004	0.000	24.3453	
1440 minute summer	MH4	2.000	MH5	0.1	0.223	0.016	0.0038	
1440 minute summer	MH5	2.001	MH6	0.3	0.264	0.050	0.0139	
1440 minute summer	MH6	2.002	MH7	1.1	0.562	0.061	0.0152	
1440 minute summer	MH7	Flow through Pond	MH10	0.8	0.004	0.000	24.3453	
1440 minute summer	MH8	3.000	MH9	0.2	0.356	0.033	0.0064	
1440 minute summer	MH9	Flow through Pond	MH10	0.8	0.004	0.000	24.3453	
1440 minute summer	MH10	1.002	MH11	0.2	0.203	0.012	0.0178	
1440 minute summer	MH11	1.003	MH12	0.3	0.530	0.018	0.0079	
1440 minute summer	MH12	Weir		0.4				
1440 minute summer	MH13	4.000	MH14	0.2	0.354	0.033	0.0079	
1440 minute summer	MH14	4.001	MH15	0.2	0.357	0.033	0.0022	
1440 minute summer	MH15	Flow through Pond	MH19	0.4	0.003	0.000	10.0433	
1440 minute summer	MH16	5.000	MH17	0.4	0.498	0.062	0.0077	
1440 minute summer	MH17	5.001	MH18	0.5	0.578	0.019	0.0047	
1440 minute summer	MH18	Flow through Pond	MH19	0.4	0.003	0.000	10.0433	
1440 minute summer	MH19	4.002	MH11	0.1	0.200	0.007	0.0024	
1440 minute summer	MH20	6.000	MH21	0.3	0.369	0.047	0.0082	
1440 minute summer	MH21	6.001	MH22	0.5	0.474	0.081	0.0100	
1440 minute summer	MH22	Flow through Pond	MH26	0.4	0.006	0.000	9.5930	
1440 minute summer	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
1440 minute summer	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
1440 minute summer	MH25	Flow through Pond	MH26	0.4	0.006	0.000	9.5930	
1440 minute summer	MH26	6.002	MH12	0.1	0.494	0.007	0.0007	

Results for 100 year 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 97.18%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	MH1	480	29.700	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	MH2	570	29.603	0.012	0.2	0.0000	0.0000	OK
1440 minute winter	MH3	1080	29.464	0.449	0.2	0.0000	0.0000	OK
1440 minute winter	MH4	690	29.700	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	MH5	690	29.633	0.012	0.2	0.0000	0.0000	OK
1440 minute winter	MH6	750	29.523	0.022	0.8	0.0035	0.0000	OK
1440 minute winter	MH7	1080	29.464	0.449	0.8	0.0000	0.0000	OK
1440 minute winter	MH8	480	29.700	0.009	0.1	0.0000	0.0000	OK
1440 minute winter	MH9	1080	29.464	0.449	0.1	0.0000	0.0000	OK
1440 minute winter	MH10	1080	29.463	0.472	0.6	0.1336	0.0000	SURCHARGED
1440 minute winter	MH11	1080	28.867	0.017	0.3	0.0048	0.0000	OK
1440 minute winter	MH12	1080	28.763	0.003	0.4	0.0010	0.0000	OK
1440 minute winter	MH13	480	29.609	0.009	0.1	0.0026	0.0000	OK
1440 minute winter	MH14	480	29.469	0.009	0.1	0.0025	0.0000	OK
1440 minute winter	MH15	1290	29.344	0.209	0.1	0.0000	0.0000	OK
1440 minute winter	MH16	690	29.615	0.015	0.3	0.0000	0.0000	OK
1440 minute winter	MH17	690	29.503	0.013	0.4	0.0021	0.0000	OK
1440 minute winter	MH18	1290	29.344	0.209	0.4	0.0000	0.0000	OK
1440 minute winter	MH19	1290	29.344	0.224	0.3	0.0634	0.0000	SURCHARGED
1440 minute winter	MH20	600	29.612	0.012	0.2	0.0000	0.0000	OK
1440 minute winter	MH21	600	29.515	0.015	0.3	0.0024	0.0000	OK
1440 minute winter	MH22	990	29.351	0.223	0.3	0.0000	0.0000	OK
1440 minute winter	MH23	570	29.609	0.009	0.1	0.0014	0.0000	OK
1440 minute winter	MH24	570	29.481	0.011	0.2	0.0017	0.0000	OK
1440 minute winter	MH25	990	29.351	0.223	0.2	0.0000	0.0000	OK
1440 minute winter	MH26	990	29.351	0.251	0.3	0.0709	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	MH1	1.000	MH2	0.1	0.295	0.016	0.0041	
1440 minute winter	MH2	1.001	MH3	0.2	0.362	0.032	0.0063	
1440 minute winter	MH3	Flow through Pond	MH10	0.5	0.005	0.000	24.9463	
1440 minute winter	MH4	2.000	MH5	0.1	0.223	0.016	0.0031	
1440 minute winter	MH5	2.001	MH6	0.2	0.238	0.033	0.0109	
1440 minute winter	MH6	2.002	MH7	0.8	0.512	0.044	0.0180	
1440 minute winter	MH7	Flow through Pond	MH10	0.5	0.005	0.000	24.9463	
1440 minute winter	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
1440 minute winter	MH9	Flow through Pond	MH10	0.5	0.005	0.000	24.9463	
1440 minute winter	MH10	1.002	MH11	0.2	0.204	0.012	0.0179	
1440 minute winter	MH11	1.003	MH12	0.3	0.530	0.019	0.0079	
1440 minute winter	MH12	Weir		0.4				24.6
1440 minute winter	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
1440 minute winter	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
1440 minute winter	MH15	Flow through Pond	MH19	0.3	0.003	0.000	10.0871	
1440 minute winter	MH16	5.000	MH17	0.3	0.449	0.046	0.0064	
1440 minute winter	MH17	5.001	MH18	0.4	0.542	0.015	0.0041	
1440 minute winter	MH18	Flow through Pond	MH19	0.3	0.003	0.000	10.0871	
1440 minute winter	MH19	4.002	MH11	0.1	0.200	0.007	0.0024	
1440 minute winter	MH20	6.000	MH21	0.2	0.313	0.032	0.0059	
1440 minute winter	MH21	6.001	MH22	0.3	0.408	0.048	0.0070	
1440 minute winter	MH22	Flow through Pond	MH26	0.3	0.006	0.000	11.0150	
1440 minute winter	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
1440 minute winter	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
1440 minute winter	MH25	Flow through Pond	MH26	0.3	0.006	0.000	11.0150	
1440 minute winter	MH26	6.002	MH12	0.1	0.504	0.008	0.0007	

Results for 100 year 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 97.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	MH1	960	29.700	0.009	0.1	0.0000	0.0000	OK
2160 minute summer	MH2	1020	29.603	0.012	0.2	0.0000	0.0000	OK
2160 minute summer	MH3	1440	29.444	0.429	0.2	0.0000	0.0000	OK
2160 minute summer	MH4	1140	29.700	0.009	0.1	0.0000	0.0000	OK
2160 minute summer	MH5	1140	29.633	0.012	0.2	0.0000	0.0000	OK
2160 minute summer	MH6	1140	29.523	0.022	0.8	0.0035	0.0000	OK
2160 minute summer	MH7	1440	29.444	0.429	0.8	0.0000	0.0000	OK
2160 minute summer	MH8	960	29.700	0.009	0.1	0.0000	0.0000	OK
2160 minute summer	MH9	1440	29.444	0.429	0.1	0.0000	0.0000	OK
2160 minute summer	MH10	1440	29.443	0.452	0.6	0.1280	0.0000	SURCHARGED
2160 minute summer	MH11	1500	28.867	0.017	0.3	0.0047	0.0000	OK
2160 minute summer	MH12	1440	28.763	0.003	0.4	0.0009	0.0000	OK
2160 minute summer	MH13	960	29.609	0.009	0.1	0.0026	0.0000	OK
2160 minute summer	MH14	960	29.469	0.009	0.1	0.0025	0.0000	OK
2160 minute summer	MH15	1560	29.307	0.172	0.1	0.0000	0.0000	OK
2160 minute summer	MH16	1140	29.615	0.015	0.3	0.0000	0.0000	OK
2160 minute summer	MH17	1140	29.503	0.013	0.4	0.0021	0.0000	OK
2160 minute summer	MH18	1560	29.307	0.172	0.4	0.0000	0.0000	OK
2160 minute summer	MH19	1560	29.307	0.187	0.3	0.0528	0.0000	SURCHARGED
2160 minute summer	MH20	1080	29.612	0.012	0.2	0.0000	0.0000	OK
2160 minute summer	MH21	1080	29.515	0.015	0.3	0.0024	0.0000	OK
2160 minute summer	MH22	1440	29.322	0.194	0.3	0.0000	0.0000	OK
2160 minute summer	MH23	1020	29.609	0.009	0.1	0.0014	0.0000	OK
2160 minute summer	MH24	1020	29.481	0.011	0.2	0.0017	0.0000	OK
2160 minute summer	MH25	1440	29.322	0.194	0.2	0.0000	0.0000	OK
2160 minute summer	MH26	1440	29.322	0.222	0.3	0.0628	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	MH1	1.000	MH2	0.1	0.295	0.016	0.0041	30.6
2160 minute summer	MH2	1.001	MH3	0.2	0.362	0.032	0.0063	
2160 minute summer	MH3	Flow through Pond	MH10	0.5	0.004	0.000	23.8627	
2160 minute summer	MH4	2.000	MH5	0.1	0.223	0.016	0.0031	
2160 minute summer	MH5	2.001	MH6	0.2	0.225	0.033	0.0109	
2160 minute summer	MH6	2.002	MH7	0.8	0.512	0.044	0.0122	
2160 minute summer	MH7	Flow through Pond	MH10	0.5	0.004	0.000	23.8627	
2160 minute summer	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
2160 minute summer	MH9	Flow through Pond	MH10	0.5	0.004	0.000	23.8627	
2160 minute summer	MH10	1.002	MH11	0.2	0.205	0.012	0.0175	
2160 minute summer	MH11	1.003	MH12	0.3	0.524	0.018	0.0077	
2160 minute summer	MH12	Weir		0.4				
2160 minute summer	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
2160 minute summer	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
2160 minute summer	MH15	Flow through Pond	MH19	0.3	0.005	0.000	8.3363	
2160 minute summer	MH16	5.000	MH17	0.3	0.449	0.046	0.0064	
2160 minute summer	MH17	5.001	MH18	0.4	0.542	0.015	0.0041	
2160 minute summer	MH18	Flow through Pond	MH19	0.3	0.005	0.000	8.3363	
2160 minute summer	MH19	4.002	MH11	0.1	0.189	0.006	0.0023	
2160 minute summer	MH20	6.000	MH21	0.2	0.313	0.032	0.0059	
2160 minute summer	MH21	6.001	MH22	0.3	0.408	0.048	0.0070	
2160 minute summer	MH22	Flow through Pond	MH26	0.3	0.009	0.000	9.6702	
2160 minute summer	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
2160 minute summer	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
2160 minute summer	MH25	Flow through Pond	MH26	0.3	0.009	0.000	9.6702	
2160 minute summer	MH26	6.002	MH12	0.1	0.495	0.007	0.0007	

Results for 100 year 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 97.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	MH1	840	29.700	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH2	1020	29.603	0.012	0.2	0.0000	0.0000	OK
2160 minute winter	MH3	1500	29.446	0.432	0.2	0.0000	0.0000	OK
2160 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
2160 minute winter	MH5	900	29.630	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH6	1080	29.518	0.017	0.5	0.0028	0.0000	OK
2160 minute winter	MH7	1500	29.446	0.432	0.5	0.0000	0.0000	OK
2160 minute winter	MH8	840	29.700	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH9	1500	29.446	0.432	0.1	0.0000	0.0000	OK
2160 minute winter	MH10	1500	29.446	0.455	0.5	0.1286	0.0000	SURCHARGED
2160 minute winter	MH11	1500	28.867	0.017	0.3	0.0047	0.0000	OK
2160 minute winter	MH12	1500	28.763	0.003	0.4	0.0010	0.0000	OK
2160 minute winter	MH13	840	29.609	0.009	0.1	0.0026	0.0000	OK
2160 minute winter	MH14	840	29.469	0.009	0.1	0.0025	0.0000	OK
2160 minute winter	MH15	1620	29.323	0.188	0.1	0.0000	0.0000	OK
2160 minute winter	MH16	960	29.613	0.013	0.2	0.0000	0.0000	OK
2160 minute winter	MH17	960	29.499	0.009	0.2	0.0015	0.0000	OK
2160 minute winter	MH18	1620	29.323	0.188	0.2	0.0000	0.0000	OK
2160 minute winter	MH19	1620	29.323	0.203	0.2	0.0574	0.0000	SURCHARGED
2160 minute winter	MH20	1080	29.612	0.012	0.2	0.0000	0.0000	OK
2160 minute winter	MH21	1080	29.515	0.015	0.3	0.0024	0.0000	OK
2160 minute winter	MH22	1440	29.343	0.215	0.3	0.0000	0.0000	OK
2160 minute winter	MH23	1020	29.609	0.009	0.1	0.0014	0.0000	OK
2160 minute winter	MH24	1020	29.481	0.011	0.2	0.0017	0.0000	OK
2160 minute winter	MH25	1440	29.343	0.215	0.2	0.0000	0.0000	OK
2160 minute winter	MH26	1440	29.343	0.243	0.3	0.0687	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	MH1	1.000	MH2	0.1	0.295	0.016	0.0041	
2160 minute winter	MH2	1.001	MH3	0.2	0.362	0.032	0.0063	
2160 minute winter	MH3	Flow through Pond	MH10	0.5	0.003	0.000	23.9893	
2160 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
2160 minute winter	MH5	2.001	MH6	0.1	0.182	0.017	0.0075	
2160 minute winter	MH6	2.002	MH7	0.5	0.445	0.028	0.0095	
2160 minute winter	MH7	Flow through Pond	MH10	0.5	0.003	0.000	23.9893	
2160 minute winter	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
2160 minute winter	MH9	Flow through Pond	MH10	0.5	0.003	0.000	23.9893	
2160 minute winter	MH10	1.002	MH11	0.2	0.204	0.012	0.0176	
2160 minute winter	MH11	1.003	MH12	0.3	0.526	0.018	0.0078	
2160 minute winter	MH12	Weir		0.4				31.9
2160 minute winter	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
2160 minute winter	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
2160 minute winter	MH15	Flow through Pond	MH19	0.2	0.005	0.000	9.0942	
2160 minute winter	MH16	5.000	MH17	0.2	0.426	0.031	0.0045	
2160 minute winter	MH17	5.001	MH18	0.2	0.437	0.008	0.0025	
2160 minute winter	MH18	Flow through Pond	MH19	0.2	0.005	0.000	9.0942	
2160 minute winter	MH19	4.002	MH11	0.1	0.194	0.006	0.0024	
2160 minute winter	MH20	6.000	MH21	0.2	0.313	0.032	0.0059	
2160 minute winter	MH21	6.001	MH22	0.3	0.408	0.048	0.0070	
2160 minute winter	MH22	Flow through Pond	MH26	0.3	0.009	0.000	10.6431	
2160 minute winter	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
2160 minute winter	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
2160 minute winter	MH25	Flow through Pond	MH26	0.3	0.009	0.000	10.6431	
2160 minute winter	MH26	6.002	MH12	0.1	0.502	0.007	0.0007	

Results for 100 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 98.24%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	MH1	1260	29.700	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	MH2	1440	29.603	0.012	0.2	0.0000	0.0000	OK
2880 minute summer	MH3	1800	29.398	0.383	0.2	0.0000	0.0000	OK
2880 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
2880 minute summer	MH5	1320	29.630	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	MH6	1500	29.520	0.019	0.6	0.0030	0.0000	OK
2880 minute summer	MH7	1800	29.398	0.383	0.6	0.0000	0.0000	OK
2880 minute summer	MH8	1260	29.700	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	MH9	1800	29.398	0.383	0.1	0.0000	0.0000	OK
2880 minute summer	MH10	1800	29.397	0.406	0.5	0.1150	0.0000	SURCHARGED
2880 minute summer	MH11	1860	28.866	0.016	0.2	0.0046	0.0000	OK
2880 minute summer	MH12	1860	28.763	0.003	0.3	0.0009	0.0000	OK
2880 minute summer	MH13	1260	29.609	0.009	0.1	0.0026	0.0000	OK
2880 minute summer	MH14	1260	29.469	0.009	0.1	0.0025	0.0000	OK
2880 minute summer	MH15	1920	29.294	0.159	0.1	0.0000	0.0000	OK
2880 minute summer	MH16	1380	29.613	0.013	0.2	0.0000	0.0000	OK
2880 minute summer	MH17	1380	29.499	0.009	0.2	0.0015	0.0000	OK
2880 minute summer	MH18	1920	29.294	0.159	0.2	0.0000	0.0000	OK
2880 minute summer	MH19	1920	29.294	0.174	0.2	0.0491	0.0000	SURCHARGED
2880 minute summer	MH20	1440	29.612	0.012	0.2	0.0000	0.0000	OK
2880 minute summer	MH21	1440	29.515	0.015	0.3	0.0024	0.0000	OK
2880 minute summer	MH22	1860	29.300	0.172	0.3	0.0000	0.0000	OK
2880 minute summer	MH23	1440	29.609	0.009	0.1	0.0014	0.0000	OK
2880 minute summer	MH24	1440	29.481	0.011	0.2	0.0017	0.0000	OK
2880 minute summer	MH25	1860	29.300	0.172	0.2	0.0000	0.0000	OK
2880 minute summer	MH26	1860	29.300	0.200	0.3	0.0566	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	MH1	1.000	MH2	0.1	0.295	0.016	0.0041	35.3
2880 minute summer	MH2	1.001	MH3	0.2	0.362	0.032	0.0063	
2880 minute summer	MH3	Flow through Pond	MH10	0.5	0.003	0.000	21.3818	
2880 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
2880 minute summer	MH5	2.001	MH6	0.1	0.182	0.017	0.0082	
2880 minute summer	MH6	2.002	MH7	0.6	0.470	0.033	0.0099	
2880 minute summer	MH7	Flow through Pond	MH10	0.5	0.003	0.000	21.3818	
2880 minute summer	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
2880 minute summer	MH9	Flow through Pond	MH10	0.5	0.003	0.000	21.3818	
2880 minute summer	MH10	1.002	MH11	0.2	0.202	0.011	0.0169	
2880 minute summer	MH11	1.003	MH12	0.2	0.517	0.017	0.0074	
2880 minute summer	MH12	Weir		0.3				
2880 minute summer	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
2880 minute summer	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
2880 minute summer	MH15	Flow through Pond	MH19	0.2	0.005	0.000	7.7305	
2880 minute summer	MH16	5.000	MH17	0.2	0.426	0.031	0.0045	
2880 minute summer	MH17	5.001	MH18	0.2	0.437	0.008	0.0025	
2880 minute summer	MH18	Flow through Pond	MH19	0.2	0.005	0.000	7.7305	
2880 minute summer	MH19	4.002	MH11	0.1	0.188	0.006	0.0023	
2880 minute summer	MH20	6.000	MH21	0.2	0.313	0.032	0.0059	
2880 minute summer	MH21	6.001	MH22	0.3	0.408	0.048	0.0070	
2880 minute summer	MH22	Flow through Pond	MH26	0.3	0.009	0.000	8.6511	
2880 minute summer	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
2880 minute summer	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
2880 minute summer	MH25	Flow through Pond	MH26	0.3	0.009	0.000	8.6511	
2880 minute summer	MH26	6.002	MH12	0.1	0.487	0.007	0.0006	

Results for 100 year 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 98.24%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	MH1	1200	29.700	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH2	1200	29.600	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH3	1920	29.384	0.370	0.1	0.0000	0.0000	OK
2880 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	MH5	1320	29.630	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH6	1320	29.517	0.016	0.4	0.0025	0.0000	OK
2880 minute winter	MH7	1920	29.384	0.370	0.4	0.0000	0.0000	OK
2880 minute winter	MH8	1200	29.700	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH9	1920	29.384	0.370	0.1	0.0000	0.0000	OK
2880 minute winter	MH10	1920	29.384	0.393	0.4	0.1112	0.0000	SURCHARGED
2880 minute winter	MH11	1980	28.866	0.016	0.2	0.0046	0.0000	OK
2880 minute winter	MH12	1980	28.763	0.003	0.3	0.0009	0.0000	OK
2880 minute winter	MH13	1200	29.609	0.009	0.1	0.0026	0.0000	OK
2880 minute winter	MH14	1200	29.469	0.009	0.1	0.0025	0.0000	OK
2880 minute winter	MH15	2100	29.307	0.171	0.1	0.0000	0.0000	OK
2880 minute winter	MH16	1440	29.613	0.013	0.2	0.0000	0.0000	OK
2880 minute winter	MH17	1440	29.499	0.009	0.2	0.0015	0.0000	OK
2880 minute winter	MH18	2100	29.307	0.172	0.2	0.0000	0.0000	OK
2880 minute winter	MH19	2100	29.307	0.186	0.2	0.0528	0.0000	SURCHARGED
2880 minute winter	MH20	1020	29.609	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH21	1320	29.512	0.012	0.2	0.0020	0.0000	OK
2880 minute winter	MH22	1980	29.234	0.106	0.2	0.0000	0.0000	OK
2880 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	MH25	1980	29.234	0.105	0.0	0.0000	0.0000	OK
2880 minute winter	MH26	1980	29.233	0.133	0.1	0.0378	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	MH1	1.000	MH2	0.1	0.295	0.016	0.0032	
2880 minute winter	MH2	1.001	MH3	0.1	0.294	0.016	0.0039	
2880 minute winter	MH3	Flow through Pond	MH10	0.4	0.003	0.000	20.6569	
2880 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
2880 minute winter	MH5	2.001	MH6	0.1	0.182	0.017	0.0067	
2880 minute winter	MH6	2.002	MH7	0.4	0.416	0.022	0.0075	
2880 minute winter	MH7	Flow through Pond	MH10	0.4	0.003	0.000	20.6569	
2880 minute winter	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
2880 minute winter	MH9	Flow through Pond	MH10	0.4	0.003	0.000	20.6569	
2880 minute winter	MH10	1.002	MH11	0.2	0.198	0.011	0.0169	
2880 minute winter	MH11	1.003	MH12	0.2	0.520	0.017	0.0074	
2880 minute winter	MH12	Weir		0.3				35.9
2880 minute winter	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
2880 minute winter	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
2880 minute winter	MH15	Flow through Pond	MH19	0.2	0.005	0.000	8.3332	
2880 minute winter	MH16	5.000	MH17	0.2	0.426	0.031	0.0045	
2880 minute winter	MH17	5.001	MH18	0.2	0.437	0.008	0.0025	
2880 minute winter	MH18	Flow through Pond	MH19	0.2	0.005	0.000	8.3332	
2880 minute winter	MH19	4.002	MH11	0.1	0.193	0.006	0.0023	
2880 minute winter	MH20	6.000	MH21	0.1	0.296	0.016	0.0041	
2880 minute winter	MH21	6.001	MH22	0.2	0.361	0.032	0.0052	
2880 minute winter	MH22	Flow through Pond	MH26	0.1	0.009	0.000	5.5614	
2880 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
2880 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
2880 minute winter	MH25	Flow through Pond	MH26	0.1	0.009	0.000	5.5614	
2880 minute winter	MH26	6.002	MH12	0.1	0.457	0.005	0.0006	

Results for 100 year 4320 minute summer. 4560 minute analysis at 60 minute timestep. Mass balance: 99.09%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	MH1	1980	29.700	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH2	2220	29.603	0.012	0.2	0.0000	0.0000	OK
4320 minute summer	MH3	2640	29.348	0.334	0.2	0.0000	0.0000	OK
4320 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
4320 minute summer	MH5	2100	29.630	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH6	2220	29.518	0.017	0.5	0.0028	0.0000	OK
4320 minute summer	MH7	2640	29.348	0.334	0.5	0.0000	0.0000	OK
4320 minute summer	MH8	1980	29.700	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH9	2640	29.348	0.334	0.1	0.0000	0.0000	OK
4320 minute summer	MH10	2640	29.348	0.357	0.5	0.1010	0.0000	SURCHARGED
4320 minute summer	MH11	2640	28.866	0.016	0.2	0.0045	0.0000	OK
4320 minute summer	MH12	2640	28.763	0.003	0.3	0.0009	0.0000	OK
4320 minute summer	MH13	1980	29.609	0.009	0.1	0.0026	0.0000	OK
4320 minute summer	MH14	1980	29.469	0.009	0.1	0.0025	0.0000	OK
4320 minute summer	MH15	2760	29.291	0.155	0.1	0.0000	0.0000	OK
4320 minute summer	MH16	2160	29.613	0.013	0.2	0.0000	0.0000	OK
4320 minute summer	MH17	2160	29.499	0.009	0.2	0.0015	0.0000	OK
4320 minute summer	MH18	2760	29.291	0.155	0.2	0.0000	0.0000	OK
4320 minute summer	MH19	2760	29.290	0.170	0.2	0.0482	0.0000	SURCHARGED
4320 minute summer	MH20	1800	29.609	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH21	2100	29.512	0.012	0.2	0.0020	0.0000	OK
4320 minute summer	MH22	2640	29.241	0.113	0.2	0.0000	0.0000	OK
4320 minute summer	MH23	2220	29.609	0.009	0.1	0.0014	0.0000	OK
4320 minute summer	MH24	2220	29.481	0.011	0.2	0.0017	0.0000	OK
4320 minute summer	MH25	2640	29.241	0.113	0.2	0.0000	0.0000	OK
4320 minute summer	MH26	2640	29.241	0.141	0.2	0.0399	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	MH1	1.000	MH2	0.1	0.295	0.016	0.0041	41.9
4320 minute summer	MH2	1.001	MH3	0.2	0.362	0.032	0.0063	
4320 minute summer	MH3	Flow through Pond	MH10	0.5	0.003	0.000	18.7079	
4320 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
4320 minute summer	MH5	2.001	MH6	0.1	0.182	0.017	0.0075	
4320 minute summer	MH6	2.002	MH7	0.5	0.445	0.028	0.0087	
4320 minute summer	MH7	Flow through Pond	MH10	0.5	0.003	0.000	18.7079	
4320 minute summer	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
4320 minute summer	MH9	Flow through Pond	MH10	0.5	0.003	0.000	18.7079	
4320 minute summer	MH10	1.002	MH11	0.1	0.196	0.010	0.0163	
4320 minute summer	MH11	1.003	MH12	0.2	0.511	0.016	0.0072	
4320 minute summer	MH12	Weir		0.3				
4320 minute summer	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
4320 minute summer	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
4320 minute summer	MH15	Flow through Pond	MH19	0.2	0.005	0.000	7.5835	
4320 minute summer	MH16	5.000	MH17	0.2	0.426	0.031	0.0045	
4320 minute summer	MH17	5.001	MH18	0.2	0.437	0.008	0.0025	
4320 minute summer	MH18	Flow through Pond	MH19	0.2	0.005	0.000	7.5835	
4320 minute summer	MH19	4.002	MH11	0.1	0.191	0.006	0.0022	
4320 minute summer	MH20	6.000	MH21	0.1	0.296	0.016	0.0041	
4320 minute summer	MH21	6.001	MH22	0.2	0.361	0.032	0.0052	
4320 minute summer	MH22	Flow through Pond	MH26	0.2	0.009	0.000	5.9032	
4320 minute summer	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
4320 minute summer	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
4320 minute summer	MH25	Flow through Pond	MH26	0.2	0.009	0.000	5.9032	
4320 minute summer	MH26	6.002	MH12	0.1	0.461	0.006	0.0006	

Results for 100 year 4320 minute winter. 4560 minute analysis at 60 minute timestep. Mass balance: 99.19%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	MH1	1980	29.700	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH2	1980	29.600	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH3	2760	29.281	0.266	0.1	0.0000	0.0000	OK
4320 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH6	1740	29.512	0.011	0.2	0.0018	0.0000	OK
4320 minute winter	MH7	2760	29.281	0.266	0.2	0.0000	0.0000	OK
4320 minute winter	MH8	1980	29.700	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH9	2760	29.281	0.266	0.1	0.0000	0.0000	OK
4320 minute winter	MH10	2760	29.280	0.289	0.5	0.0818	0.0000	SURCHARGED
4320 minute winter	MH11	2760	28.865	0.015	0.2	0.0043	0.0000	OK
4320 minute winter	MH12	2820	28.763	0.003	0.3	0.0008	0.0000	OK
4320 minute winter	MH13	1980	29.609	0.009	0.1	0.0026	0.0000	OK
4320 minute winter	MH14	1980	29.469	0.009	0.1	0.0025	0.0000	OK
4320 minute winter	MH15	2940	29.280	0.145	0.1	0.0000	0.0000	OK
4320 minute winter	MH16	1500	29.609	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH17	1500	29.497	0.007	0.1	0.0011	0.0000	OK
4320 minute winter	MH18	2940	29.280	0.145	0.1	0.0000	0.0000	OK
4320 minute winter	MH19	2940	29.280	0.160	0.1	0.0452	0.0000	SURCHARGED
4320 minute winter	MH20	1620	29.609	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH21	1620	29.509	0.009	0.1	0.0014	0.0000	OK
4320 minute winter	MH22	2820	29.198	0.070	0.1	0.0000	0.0000	OK
4320 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH25	2820	29.198	0.070	0.0	0.0000	0.0000	OK
4320 minute winter	MH26	2820	29.198	0.098	0.1	0.0276	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	MH1	1.000	MH2	0.1	0.295	0.016	0.0032	40.1
4320 minute winter	MH2	1.001	MH3	0.1	0.294	0.016	0.0039	
4320 minute winter	MH3	Flow through Pond	MH10	0.5	0.003	0.000	15.0368	
4320 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
4320 minute winter	MH5	2.001	MH6	0.0	0.000	0.000	0.0029	
4320 minute winter	MH6	2.002	MH7	0.2	0.337	0.011	0.0046	
4320 minute winter	MH7	Flow through Pond	MH10	0.5	0.003	0.000	15.0368	
4320 minute winter	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
4320 minute winter	MH9	Flow through Pond	MH10	0.5	0.003	0.000	15.0368	
4320 minute winter	MH10	1.002	MH11	0.1	0.186	0.009	0.0153	
4320 minute winter	MH11	1.003	MH12	0.2	0.501	0.015	0.0068	
4320 minute winter	MH12	Weir		0.3				
4320 minute winter	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
4320 minute winter	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
4320 minute winter	MH15	Flow through Pond	MH19	0.1	0.005	0.000	7.0808	
4320 minute winter	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
4320 minute winter	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
4320 minute winter	MH18	Flow through Pond	MH19	0.1	0.005	0.000	7.0808	
4320 minute winter	MH19	4.002	MH11	0.1	0.193	0.006	0.0021	
4320 minute winter	MH20	6.000	MH21	0.1	0.296	0.016	0.0031	
4320 minute winter	MH21	6.001	MH22	0.1	0.294	0.016	0.0032	
4320 minute winter	MH22	Flow through Pond	MH26	0.1	0.009	0.000	3.8892	
4320 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
4320 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
4320 minute winter	MH25	Flow through Pond	MH26	0.1	0.009	0.000	3.8892	
4320 minute winter	MH26	6.002	MH12	0.1	0.436	0.005	0.0005	

Results for 100 year 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 99.59%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	MH1	2700	29.700	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH2	2700	29.600	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH3	3420	29.314	0.300	0.1	0.0000	0.0000	OK
5760 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	MH5	2880	29.630	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH6	2880	29.517	0.016	0.4	0.0025	0.0000	OK
5760 minute summer	MH7	3420	29.314	0.300	0.4	0.0000	0.0000	OK
5760 minute summer	MH8	2700	29.700	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH9	3420	29.314	0.300	0.1	0.0000	0.0000	OK
5760 minute summer	MH10	3420	29.314	0.323	0.3	0.0913	0.0000	SURCHARGED
5760 minute summer	MH11	3420	28.865	0.015	0.2	0.0044	0.0000	OK
5760 minute summer	MH12	3420	28.763	0.003	0.3	0.0008	0.0000	OK
5760 minute summer	MH13	2700	29.609	0.009	0.1	0.0026	0.0000	OK
5760 minute summer	MH14	2700	29.469	0.009	0.1	0.0025	0.0000	OK
5760 minute summer	MH15	3540	29.271	0.136	0.1	0.0000	0.0000	OK
5760 minute summer	MH16	2340	29.609	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH17	2340	29.497	0.007	0.1	0.0011	0.0000	OK
5760 minute summer	MH18	3540	29.271	0.136	0.1	0.0000	0.0000	OK
5760 minute summer	MH19	3540	29.271	0.151	0.1	0.0427	0.0000	SURCHARGED
5760 minute summer	MH20	2460	29.609	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH21	2880	29.512	0.012	0.2	0.0020	0.0000	OK
5760 minute summer	MH22	3420	29.210	0.082	0.2	0.0000	0.0000	OK
5760 minute summer	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	MH25	3420	29.210	0.082	0.0	0.0000	0.0000	OK
5760 minute summer	MH26	3420	29.210	0.110	0.1	0.0310	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	MH1	1.000	MH2	0.1	0.295	0.016	0.0032	44.4
5760 minute summer	MH2	1.001	MH3	0.1	0.294	0.016	0.0039	
5760 minute summer	MH3	Flow through Pond	MH10	0.3	0.003	0.000	16.8436	
5760 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
5760 minute summer	MH5	2.001	MH6	0.1	0.182	0.017	0.0067	
5760 minute summer	MH6	2.002	MH7	0.4	0.416	0.022	0.0075	
5760 minute summer	MH7	Flow through Pond	MH10	0.3	0.003	0.000	16.8436	
5760 minute summer	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
5760 minute summer	MH9	Flow through Pond	MH10	0.3	0.003	0.000	16.8436	
5760 minute summer	MH10	1.002	MH11	0.1	0.192	0.010	0.0157	
5760 minute summer	MH11	1.003	MH12	0.2	0.504	0.015	0.0069	
5760 minute summer	MH12	Weir		0.3				
5760 minute summer	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
5760 minute summer	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
5760 minute summer	MH15	Flow through Pond	MH19	0.1	0.005	0.000	6.6777	
5760 minute summer	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
5760 minute summer	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
5760 minute summer	MH18	Flow through Pond	MH19	0.1	0.005	0.000	6.6777	
5760 minute summer	MH19	4.002	MH11	0.1	0.186	0.005	0.0021	
5760 minute summer	MH20	6.000	MH21	0.1	0.296	0.016	0.0041	
5760 minute summer	MH21	6.001	MH22	0.2	0.361	0.032	0.0052	
5760 minute summer	MH22	Flow through Pond	MH26	0.1	0.009	0.000	4.4486	
5760 minute summer	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
5760 minute summer	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
5760 minute summer	MH25	Flow through Pond	MH26	0.1	0.009	0.000	4.4486	
5760 minute summer	MH26	6.002	MH12	0.1	0.444	0.005	0.0005	

Results for 100 year 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 99.85%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH3	3420	29.170	0.156	0.1	0.0000	0.0000	OK
5760 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH6	2520	29.512	0.011	0.2	0.0018	0.0000	OK
5760 minute winter	MH7	3420	29.170	0.156	0.2	0.0000	0.0000	OK
5760 minute winter	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH9	3420	29.170	0.156	0.1	0.0000	0.0000	OK
5760 minute winter	MH10	3420	29.170	0.179	0.2	0.0506	0.0000	SURCHARGED
5760 minute winter	MH11	3780	28.864	0.014	0.2	0.0039	0.0000	OK
5760 minute winter	MH12	3600	28.763	0.003	0.2	0.0007	0.0000	OK
5760 minute winter	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH15	3780	29.234	0.099	0.0	0.0000	0.0000	OK
5760 minute winter	MH16	2100	29.609	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	MH17	2100	29.497	0.007	0.1	0.0011	0.0000	OK
5760 minute winter	MH18	3780	29.235	0.099	0.1	0.0000	0.0000	OK
5760 minute winter	MH19	3780	29.234	0.114	0.1	0.0323	0.0000	SURCHARGED
5760 minute winter	MH20	2340	29.609	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	MH21	2340	29.509	0.009	0.1	0.0014	0.0000	OK
5760 minute winter	MH22	3540	29.198	0.070	0.1	0.0000	0.0000	OK
5760 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH25	3540	29.198	0.070	0.0	0.0000	0.0000	OK
5760 minute winter	MH26	3540	29.198	0.098	0.1	0.0276	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	39.1
5760 minute winter	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
5760 minute winter	MH3	Flow through Pond	MH10	0.2	0.003	0.000	9.0605	
5760 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
5760 minute winter	MH5	2.001	MH6	0.0	0.000	0.000	0.0029	
5760 minute winter	MH6	2.002	MH7	0.2	0.337	0.011	0.0046	
5760 minute winter	MH7	Flow through Pond	MH10	0.2	0.003	0.000	9.0605	
5760 minute winter	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
5760 minute winter	MH9	Flow through Pond	MH10	0.2	0.003	0.000	9.0605	
5760 minute winter	MH10	1.002	MH11	0.1	0.174	0.007	0.0131	
5760 minute winter	MH11	1.003	MH12	0.2	0.470	0.012	0.0058	
5760 minute winter	MH12	Weir		0.2				
5760 minute winter	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
5760 minute winter	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
5760 minute winter	MH15	Flow through Pond	MH19	0.1	0.005	0.000	4.9690	
5760 minute winter	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
5760 minute winter	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
5760 minute winter	MH18	Flow through Pond	MH19	0.1	0.005	0.000	4.9690	
5760 minute winter	MH19	4.002	MH11	0.1	0.187	0.005	0.0018	
5760 minute winter	MH20	6.000	MH21	0.1	0.296	0.016	0.0031	
5760 minute winter	MH21	6.001	MH22	0.1	0.294	0.016	0.0032	
5760 minute winter	MH22	Flow through Pond	MH26	0.1	0.009	0.000	3.8892	
5760 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
5760 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
5760 minute winter	MH25	Flow through Pond	MH26	0.1	0.009	0.000	3.8892	
5760 minute winter	MH26	6.002	MH12	0.1	0.436	0.005	0.0005	

Results for 100 year 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance: 99.90%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	MH1	3480	29.700	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH2	3480	29.600	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH3	4140	29.274	0.260	0.1	0.0000	0.0000	OK
7200 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	MH5	3660	29.630	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH6	3660	29.517	0.016	0.4	0.0025	0.0000	OK
7200 minute summer	MH7	4140	29.274	0.260	0.4	0.0000	0.0000	OK
7200 minute summer	MH8	3480	29.700	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH9	4140	29.274	0.260	0.1	0.0000	0.0000	OK
7200 minute summer	MH10	4140	29.274	0.283	0.4	0.0800	0.0000	SURCHARGED
7200 minute summer	MH11	4320	28.865	0.015	0.2	0.0043	0.0000	OK
7200 minute summer	MH12	4200	28.763	0.003	0.3	0.0008	0.0000	OK
7200 minute summer	MH13	3480	29.609	0.009	0.1	0.0026	0.0000	OK
7200 minute summer	MH14	3480	29.469	0.009	0.1	0.0025	0.0000	OK
7200 minute summer	MH15	4320	29.264	0.129	0.1	0.0000	0.0000	OK
7200 minute summer	MH16	3000	29.609	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH17	3000	29.497	0.007	0.1	0.0011	0.0000	OK
7200 minute summer	MH18	4320	29.264	0.129	0.1	0.0000	0.0000	OK
7200 minute summer	MH19	4320	29.264	0.144	0.1	0.0407	0.0000	SURCHARGED
7200 minute summer	MH20	3120	29.609	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH21	3660	29.512	0.012	0.2	0.0020	0.0000	OK
7200 minute summer	MH22	4200	29.204	0.075	0.2	0.0000	0.0000	OK
7200 minute summer	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	MH25	4200	29.203	0.075	0.0	0.0000	0.0000	OK
7200 minute summer	MH26	4200	29.203	0.103	0.1	0.0293	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	MH1	1.000	MH2	0.1	0.295	0.016	0.0032	46.1
7200 minute summer	MH2	1.001	MH3	0.1	0.294	0.016	0.0039	
7200 minute summer	MH3	Flow through Pond	MH10	0.4	0.003	0.000	14.6878	
7200 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
7200 minute summer	MH5	2.001	MH6	0.1	0.182	0.017	0.0067	
7200 minute summer	MH6	2.002	MH7	0.4	0.416	0.022	0.0075	
7200 minute summer	MH7	Flow through Pond	MH10	0.4	0.003	0.000	14.6878	
7200 minute summer	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
7200 minute summer	MH9	Flow through Pond	MH10	0.4	0.003	0.000	14.6878	
7200 minute summer	MH10	1.002	MH11	0.1	0.187	0.009	0.0151	
7200 minute summer	MH11	1.003	MH12	0.2	0.496	0.014	0.0066	
7200 minute summer	MH12	Weir		0.3				
7200 minute summer	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
7200 minute summer	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
7200 minute summer	MH15	Flow through Pond	MH19	0.1	0.005	0.000	6.3530	
7200 minute summer	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
7200 minute summer	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
7200 minute summer	MH18	Flow through Pond	MH19	0.1	0.005	0.000	6.3530	
7200 minute summer	MH19	4.002	MH11	0.1	0.187	0.005	0.0021	
7200 minute summer	MH20	6.000	MH21	0.1	0.296	0.016	0.0041	
7200 minute summer	MH21	6.001	MH22	0.2	0.361	0.032	0.0052	
7200 minute summer	MH22	Flow through Pond	MH26	0.1	0.009	0.000	4.1606	
7200 minute summer	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
7200 minute summer	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
7200 minute summer	MH25	Flow through Pond	MH26	0.1	0.009	0.000	4.1606	
7200 minute summer	MH26	6.002	MH12	0.1	0.440	0.005	0.0005	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH3	5220	29.149	0.134	0.0	0.0000	0.0000	OK
7200 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH6	3420	29.512	0.011	0.2	0.0018	0.0000	OK
7200 minute winter	MH7	5220	29.149	0.134	0.2	0.0000	0.0000	OK
7200 minute winter	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH9	5220	29.149	0.134	0.0	0.0000	0.0000	OK
7200 minute winter	MH10	5220	29.148	0.157	0.1	0.0445	0.0000	SURCHARGED
7200 minute winter	MH11	4500	28.864	0.014	0.2	0.0038	0.0000	OK
7200 minute winter	MH12	4320	28.762	0.002	0.2	0.0007	0.0000	OK
7200 minute winter	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH15	4500	29.234	0.099	0.0	0.0000	0.0000	OK
7200 minute winter	MH16	2820	29.609	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	MH17	2820	29.497	0.007	0.1	0.0011	0.0000	OK
7200 minute winter	MH18	4500	29.235	0.099	0.1	0.0000	0.0000	OK
7200 minute winter	MH19	4500	29.234	0.114	0.1	0.0323	0.0000	SURCHARGED
7200 minute winter	MH20	3060	29.609	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	MH21	3060	29.509	0.009	0.1	0.0014	0.0000	OK
7200 minute winter	MH22	4260	29.198	0.070	0.1	0.0000	0.0000	OK
7200 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH25	4260	29.198	0.070	0.0	0.0000	0.0000	OK
7200 minute winter	MH26	4260	29.198	0.098	0.1	0.0276	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	41.3
7200 minute winter	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
7200 minute winter	MH3	Flow through Pond	MH10	0.1	0.003	0.000	7.8993	
7200 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
7200 minute winter	MH5	2.001	MH6	0.0	0.000	0.000	0.0029	
7200 minute winter	MH6	2.002	MH7	0.2	0.337	0.011	0.0046	
7200 minute winter	MH7	Flow through Pond	MH10	0.1	0.003	0.000	7.8993	
7200 minute winter	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
7200 minute winter	MH9	Flow through Pond	MH10	0.1	0.003	0.000	7.8993	
7200 minute winter	MH10	1.002	MH11	0.1	0.172	0.007	0.0126	
7200 minute winter	MH11	1.003	MH12	0.2	0.464	0.011	0.0056	
7200 minute winter	MH12	Weir		0.2				
7200 minute winter	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
7200 minute winter	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
7200 minute winter	MH15	Flow through Pond	MH19	0.1	0.005	0.000	4.9690	
7200 minute winter	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
7200 minute winter	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
7200 minute winter	MH18	Flow through Pond	MH19	0.1	0.005	0.000	4.9690	
7200 minute winter	MH19	4.002	MH11	0.1	0.191	0.005	0.0018	
7200 minute winter	MH20	6.000	MH21	0.1	0.296	0.016	0.0031	
7200 minute winter	MH21	6.001	MH22	0.1	0.294	0.016	0.0032	
7200 minute winter	MH22	Flow through Pond	MH26	0.1	0.009	0.000	3.8892	
7200 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
7200 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
7200 minute winter	MH25	Flow through Pond	MH26	0.1	0.009	0.000	3.8892	
7200 minute winter	MH26	6.002	MH12	0.1	0.436	0.005	0.0005	

Results for 100 year 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	MH1	4260	29.700	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH2	4260	29.600	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH3	4800	29.225	0.210	0.1	0.0000	0.0000	OK
8640 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH6	4020	29.512	0.011	0.2	0.0018	0.0000	OK
8640 minute summer	MH7	4800	29.225	0.211	0.2	0.0000	0.0000	OK
8640 minute summer	MH8	4260	29.700	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH9	4800	29.225	0.211	0.1	0.0000	0.0000	OK
8640 minute summer	MH10	4800	29.225	0.234	0.5	0.0661	0.0000	SURCHARGED
8640 minute summer	MH11	5100	28.865	0.015	0.2	0.0041	0.0000	OK
8640 minute summer	MH12	4980	28.763	0.003	0.3	0.0008	0.0000	OK
8640 minute summer	MH13	4260	29.609	0.009	0.1	0.0026	0.0000	OK
8640 minute summer	MH14	4260	29.469	0.009	0.1	0.0025	0.0000	OK
8640 minute summer	MH15	5100	29.257	0.122	0.1	0.0000	0.0000	OK
8640 minute summer	MH16	3660	29.609	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH17	3660	29.497	0.007	0.1	0.0011	0.0000	OK
8640 minute summer	MH18	5100	29.257	0.122	0.1	0.0000	0.0000	OK
8640 minute summer	MH19	5100	29.257	0.137	0.1	0.0388	0.0000	SURCHARGED
8640 minute summer	MH20	3840	29.609	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH21	3840	29.509	0.009	0.1	0.0014	0.0000	OK
8640 minute summer	MH22	4920	29.192	0.064	0.1	0.0000	0.0000	OK
8640 minute summer	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH25	4920	29.192	0.064	0.0	0.0000	0.0000	OK
8640 minute summer	MH26	4920	29.192	0.092	0.1	0.0260	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	MH1	1.000	MH2	0.1	0.295	0.016	0.0032	44.5
8640 minute summer	MH2	1.001	MH3	0.1	0.294	0.016	0.0039	
8640 minute summer	MH3	Flow through Pond	MH10	0.5	0.003	0.000	12.0222	
8640 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
8640 minute summer	MH5	2.001	MH6	0.0	0.000	0.000	0.0029	
8640 minute summer	MH6	2.002	MH7	0.2	0.337	0.011	0.0046	
8640 minute summer	MH7	Flow through Pond	MH10	0.5	0.003	0.000	12.0222	
8640 minute summer	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
8640 minute summer	MH9	Flow through Pond	MH10	0.5	0.003	0.000	12.0222	
8640 minute summer	MH10	1.002	MH11	0.1	0.180	0.008	0.0142	
8640 minute summer	MH11	1.003	MH12	0.2	0.486	0.013	0.0063	
8640 minute summer	MH12	Weir		0.3				
8640 minute summer	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
8640 minute summer	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
8640 minute summer	MH15	Flow through Pond	MH19	0.1	0.005	0.000	6.0381	
8640 minute summer	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
8640 minute summer	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
8640 minute summer	MH18	Flow through Pond	MH19	0.1	0.005	0.000	6.0381	
8640 minute summer	MH19	4.002	MH11	0.1	0.190	0.005	0.0020	
8640 minute summer	MH20	6.000	MH21	0.1	0.296	0.016	0.0031	
8640 minute summer	MH21	6.001	MH22	0.1	0.294	0.016	0.0032	
8640 minute summer	MH22	Flow through Pond	MH26	0.1	0.009	0.000	3.6323	
8640 minute summer	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
8640 minute summer	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
8640 minute summer	MH25	Flow through Pond	MH26	0.1	0.009	0.000	3.6323	
8640 minute summer	MH26	6.002	MH12	0.1	0.432	0.005	0.0005	

Results for 100 year 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 100.00%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH3	6120	29.119	0.105	0.0	0.0000	0.0000	OK
8640 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH6	2640	29.509	0.008	0.1	0.0013	0.0000	OK
8640 minute winter	MH7	6120	29.119	0.105	0.1	0.0000	0.0000	OK
8640 minute winter	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH9	6120	29.119	0.105	0.0	0.0000	0.0000	OK
8640 minute winter	MH10	6120	29.119	0.128	0.2	0.0362	0.0000	OK
8640 minute winter	MH11	5340	28.863	0.013	0.2	0.0037	0.0000	OK
8640 minute winter	MH12	4920	28.762	0.002	0.2	0.0007	0.0000	OK
8640 minute winter	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH15	5280	29.239	0.104	0.0	0.0000	0.0000	OK
8640 minute winter	MH16	3480	29.609	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	MH17	3480	29.497	0.007	0.1	0.0011	0.0000	OK
8640 minute winter	MH18	5280	29.239	0.104	0.1	0.0000	0.0000	OK
8640 minute winter	MH19	5280	29.239	0.119	0.1	0.0336	0.0000	SURCHARGED
8640 minute winter	MH20	3900	29.609	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	MH21	3900	29.509	0.009	0.1	0.0014	0.0000	OK
8640 minute winter	MH22	4860	29.186	0.058	0.1	0.0000	0.0000	OK
8640 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH25	4860	29.186	0.058	0.0	0.0000	0.0000	OK
8640 minute winter	MH26	4860	29.186	0.086	0.1	0.0244	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	39.5
8640 minute winter	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
8640 minute winter	MH3	Flow through Pond	MH10	0.2	0.003	0.000	6.3048	
8640 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
8640 minute winter	MH5	2.001	MH6	0.0	0.000	0.000	0.0018	
8640 minute winter	MH6	2.002	MH7	0.1	0.273	0.006	0.0029	
8640 minute winter	MH7	Flow through Pond	MH10	0.2	0.003	0.000	6.3048	
8640 minute winter	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
8640 minute winter	MH9	Flow through Pond	MH10	0.2	0.003	0.000	6.3048	
8640 minute winter	MH10	1.002	MH11	0.1	0.169	0.006	0.0117	
8640 minute winter	MH11	1.003	MH12	0.2	0.456	0.011	0.0053	
8640 minute winter	MH12	Weir		0.2				
8640 minute winter	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
8640 minute winter	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
8640 minute winter	MH15	Flow through Pond	MH19	0.1	0.005	0.000	5.1770	
8640 minute winter	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
8640 minute winter	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
8640 minute winter	MH18	Flow through Pond	MH19	0.1	0.005	0.000	5.1770	
8640 minute winter	MH19	4.002	MH11	0.1	0.202	0.005	0.0017	
8640 minute winter	MH20	6.000	MH21	0.1	0.296	0.016	0.0031	
8640 minute winter	MH21	6.001	MH22	0.1	0.294	0.016	0.0032	
8640 minute winter	MH22	Flow through Pond	MH26	0.1	0.009	0.000	3.3616	
8640 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
8640 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
8640 minute winter	MH25	Flow through Pond	MH26	0.1	0.009	0.000	3.3616	
8640 minute winter	MH26	6.002	MH12	0.1	0.428	0.004	0.0005	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	MH1	5100	29.700	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH2	5100	29.600	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH3	5520	29.185	0.170	0.1	0.0000	0.0000	OK
10080 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH6	4740	29.512	0.011	0.2	0.0018	0.0000	OK
10080 minute summer	MH7	5520	29.185	0.170	0.2	0.0000	0.0000	OK
10080 minute summer	MH8	5100	29.700	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH9	5520	29.185	0.170	0.1	0.0000	0.0000	OK
10080 minute summer	MH10	5520	29.184	0.193	0.2	0.0547	0.0000	SURCHARGED
10080 minute summer	MH11	5880	28.864	0.014	0.2	0.0040	0.0000	OK
10080 minute summer	MH12	5700	28.763	0.003	0.2	0.0007	0.0000	OK
10080 minute summer	MH13	5100	29.609	0.009	0.1	0.0026	0.0000	OK
10080 minute summer	MH14	5100	29.469	0.009	0.1	0.0025	0.0000	OK
10080 minute summer	MH15	5880	29.240	0.105	0.1	0.0000	0.0000	OK
10080 minute summer	MH16	4320	29.609	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH17	4320	29.497	0.007	0.1	0.0011	0.0000	OK
10080 minute summer	MH18	5880	29.240	0.105	0.1	0.0000	0.0000	OK
10080 minute summer	MH19	5880	29.240	0.120	0.1	0.0340	0.0000	SURCHARGED
10080 minute summer	MH20	4560	29.609	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH21	4560	29.509	0.009	0.1	0.0014	0.0000	OK
10080 minute summer	MH22	5640	29.192	0.064	0.1	0.0000	0.0000	OK
10080 minute summer	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH25	5640	29.192	0.064	0.0	0.0000	0.0000	OK
10080 minute summer	MH26	5640	29.192	0.092	0.1	0.0260	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	MH1	1.000	MH2	0.1	0.295	0.016	0.0032	42.4
10080 minute summer	MH2	1.001	MH3	0.1	0.294	0.016	0.0039	
10080 minute summer	MH3	Flow through Pond	MH10	0.2	0.003	0.000	9.8440	
10080 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
10080 minute summer	MH5	2.001	MH6	0.0	0.000	0.000	0.0029	
10080 minute summer	MH6	2.002	MH7	0.2	0.337	0.011	0.0046	
10080 minute summer	MH7	Flow through Pond	MH10	0.2	0.003	0.000	9.8440	
10080 minute summer	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
10080 minute summer	MH9	Flow through Pond	MH10	0.2	0.003	0.000	9.8440	
10080 minute summer	MH10	1.002	MH11	0.1	0.177	0.007	0.0134	
10080 minute summer	MH11	1.003	MH12	0.2	0.475	0.012	0.0059	
10080 minute summer	MH12	Weir		0.2				
10080 minute summer	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
10080 minute summer	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
10080 minute summer	MH15	Flow through Pond	MH19	0.1	0.005	0.000	5.2378	
10080 minute summer	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
10080 minute summer	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
10080 minute summer	MH18	Flow through Pond	MH19	0.1	0.005	0.000	5.2378	
10080 minute summer	MH19	4.002	MH11	0.1	0.187	0.005	0.0019	
10080 minute summer	MH20	6.000	MH21	0.1	0.296	0.016	0.0031	
10080 minute summer	MH21	6.001	MH22	0.1	0.294	0.016	0.0032	
10080 minute summer	MH22	Flow through Pond	MH26	0.1	0.009	0.000	3.6323	
10080 minute summer	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
10080 minute summer	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
10080 minute summer	MH25	Flow through Pond	MH26	0.1	0.009	0.000	3.6323	
10080 minute summer	MH26	6.002	MH12	0.1	0.432	0.005	0.0005	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH3	6960	29.122	0.108	0.0	0.0000	0.0000	OK
10080 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH6	3240	29.509	0.008	0.1	0.0013	0.0000	OK
10080 minute winter	MH7	6960	29.122	0.108	0.1	0.0000	0.0000	OK
10080 minute winter	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH9	6960	29.122	0.108	0.0	0.0000	0.0000	OK
10080 minute winter	MH10	6960	29.122	0.131	0.2	0.0371	0.0000	OK
10080 minute winter	MH11	6000	28.863	0.013	0.2	0.0037	0.0000	OK
10080 minute winter	MH12	5400	28.762	0.002	0.2	0.0006	0.0000	OK
10080 minute winter	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH15	5940	29.234	0.099	0.0	0.0000	0.0000	OK
10080 minute winter	MH16	4260	29.609	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	MH17	4260	29.497	0.007	0.1	0.0011	0.0000	OK
10080 minute winter	MH18	5940	29.235	0.099	0.1	0.0000	0.0000	OK
10080 minute winter	MH19	5940	29.234	0.114	0.1	0.0323	0.0000	SURCHARGED
10080 minute winter	MH20	4860	29.609	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	MH21	4860	29.509	0.009	0.1	0.0014	0.0000	OK
10080 minute winter	MH22	5400	29.160	0.032	0.1	0.0000	0.0000	OK
10080 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH25	5400	29.160	0.032	0.0	0.0000	0.0000	OK
10080 minute winter	MH26	5400	29.160	0.060	0.1	0.0169	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	37.3
10080 minute winter	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
10080 minute winter	MH3	Flow through Pond	MH10	0.2	0.003	0.000	6.4693	
10080 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
10080 minute winter	MH5	2.001	MH6	0.0	0.000	0.000	0.0018	
10080 minute winter	MH6	2.002	MH7	0.1	0.273	0.006	0.0029	
10080 minute winter	MH7	Flow through Pond	MH10	0.2	0.003	0.000	6.4693	
10080 minute winter	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
10080 minute winter	MH9	Flow through Pond	MH10	0.2	0.003	0.000	6.4693	
10080 minute winter	MH10	1.002	MH11	0.1	0.173	0.006	0.0118	
10080 minute winter	MH11	1.003	MH12	0.2	0.458	0.011	0.0053	
10080 minute winter	MH12	Weir		0.2				
10080 minute winter	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
10080 minute winter	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
10080 minute winter	MH15	Flow through Pond	MH19	0.1	0.005	0.000	4.9690	
10080 minute winter	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
10080 minute winter	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
10080 minute winter	MH18	Flow through Pond	MH19	0.1	0.005	0.000	4.9690	
10080 minute winter	MH19	4.002	MH11	0.1	0.198	0.005	0.0017	
10080 minute winter	MH20	6.000	MH21	0.1	0.296	0.016	0.0031	
10080 minute winter	MH21	6.001	MH22	0.1	0.294	0.016	0.0032	
10080 minute winter	MH22	Flow through Pond	MH26	0.1	0.009	0.000	2.1274	
10080 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
10080 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
10080 minute winter	MH25	Flow through Pond	MH26	0.1	0.009	0.000	2.1274	
10080 minute winter	MH26	6.002	MH12	0.0	0.405	0.004	0.0004	

Results for 100 year +45% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 96.0

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	MH1	11	29.758	0.067	4.8	0.0000	0.0000	OK
15 minute summer	MH2	11	29.719	0.128	7.6	0.0000	0.0000	SURCHARGED
15 minute summer	MH3	23	29.294	0.279	7.3	0.0000	0.0000	OK
15 minute summer	MH4	11	29.813	0.122	1.9	0.0000	0.0000	FLOOD RISK
15 minute summer	MH5	11	29.807	0.186	5.2	0.0000	0.0000	FLOOD RISK
15 minute summer	MH6	11	29.714	0.213	23.3	0.0339	0.0000	SURCHARGED
15 minute summer	MH7	23	29.294	0.279	23.1	0.0000	0.0000	OK
15 minute summer	MH8	10	29.758	0.067	4.8	0.0000	0.0000	OK
15 minute summer	MH9	23	29.294	0.279	4.7	0.0000	0.0000	OK
15 minute summer	MH10	22	29.293	0.302	25.6	0.0856	0.0000	SURCHARGED
15 minute summer	MH11	25	28.865	0.015	0.2	0.0043	0.0000	OK
15 minute summer	MH12	25	28.763	0.003	0.3	0.0008	0.0000	OK
15 minute summer	MH13	10	29.670	0.070	4.8	0.0198	0.0000	OK
15 minute summer	MH14	10	29.529	0.069	4.7	0.0195	0.0000	OK
15 minute summer	MH15	24	29.269	0.134	4.7	0.0000	0.0000	OK
15 minute summer	MH16	11	29.832	0.232	9.5	0.0000	0.0000	FLOOD RISK
15 minute summer	MH17	11	29.561	0.071	10.9	0.0113	0.0000	OK
15 minute summer	MH18	24	29.269	0.134	10.9	0.0000	0.0000	OK
15 minute summer	MH19	21	29.269	0.149	9.6	0.0422	0.0000	SURCHARGED
15 minute summer	MH20	11	29.908	0.308	7.6	0.0000	0.0000	FLOOD RISK
15 minute summer	MH21	12	29.778	0.278	10.3	0.0443	0.0000	FLOOD RISK
15 minute summer	MH22	13	29.286	0.158	10.0	0.0000	0.0000	OK
15 minute summer	MH23	10	29.648	0.048	2.9	0.0076	0.0000	OK
15 minute summer	MH24	10	29.536	0.066	5.8	0.0104	0.0000	OK
15 minute summer	MH25	22	29.265	0.137	5.7	0.0000	0.0000	OK
15 minute summer	MH26	23	29.265	0.165	11.4	0.0467	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	MH1	1.000	MH2	4.7	0.683	0.757	0.0624	4.2
15 minute summer	MH2	1.001	MH3	7.3	0.942	1.188	0.0860	
15 minute summer	MH3	Flow through Pond	MH10	23.8	0.127	0.004	15.7342	
15 minute summer	MH4	2.000	MH5	2.5	0.387	0.412	0.0542	
15 minute summer	MH5	2.001	MH6	5.7	0.734	0.950	0.0938	
15 minute summer	MH6	2.002	MH7	23.1	1.315	1.285	0.1338	
15 minute summer	MH7	Flow through Pond	MH10	23.8	0.127	0.004	15.7342	
15 minute summer	MH8	3.000	MH9	4.7	0.855	0.785	0.0627	
15 minute summer	MH9	Flow through Pond	MH10	23.8	0.127	0.004	15.7342	
15 minute summer	MH10	1.002	MH11	0.1	0.242	0.009	0.0154	
15 minute summer	MH11	1.003	MH12	0.2	0.498	0.015	0.0068	
15 minute summer	MH12	Weir		0.3				
15 minute summer	MH13	4.000	MH14	4.7	0.816	0.785	0.0812	
15 minute summer	MH14	4.001	MH15	4.7	0.839	0.759	0.0215	
15 minute summer	MH15	Flow through Pond	MH19	9.6	0.076	0.003	6.5761	
15 minute summer	MH16	5.000	MH17	9.1	1.224	1.409	0.0660	
15 minute summer	MH17	5.001	MH18	10.9	1.375	0.415	0.0437	
15 minute summer	MH18	Flow through Pond	MH19	9.6	0.076	0.003	6.5761	
15 minute summer	MH19	4.002	MH11	0.1	0.301	0.005	0.0021	
15 minute summer	MH20	6.000	MH21	6.7	0.858	1.062	0.0716	
15 minute summer	MH21	6.001	MH22	10.0	1.272	1.604	0.0733	
15 minute summer	MH22	Flow through Pond	MH26	11.4	0.122	0.008	6.9768	
15 minute summer	MH23	7.000	MH24	2.9	0.626	0.465	0.0571	
15 minute summer	MH24	7.001	MH25	5.7	1.090	0.692	0.0198	
15 minute summer	MH25	Flow through Pond	MH26	11.4	0.122	0.008	6.9768	
15 minute summer	MH26	6.002	MH12	0.1	0.472	0.006	0.0006	

Results for 100 year +45% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 96.07%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	MH1	10	29.753	0.062	4.5	0.0000	0.0000	OK
15 minute winter	MH2	11	29.698	0.107	7.1	0.0000	0.0000	SURCHARGED
15 minute winter	MH3	21	29.295	0.280	6.9	0.0000	0.0000	OK
15 minute winter	MH4	11	29.783	0.092	1.8	0.0000	0.0000	OK
15 minute winter	MH5	11	29.779	0.158	5.1	0.0000	0.0000	SURCHARGED
15 minute winter	MH6	11	29.691	0.190	22.0	0.0302	0.0000	SURCHARGED
15 minute winter	MH7	21	29.295	0.280	21.7	0.0000	0.0000	OK
15 minute winter	MH8	10	29.755	0.064	4.5	0.0000	0.0000	OK
15 minute winter	MH9	21	29.295	0.280	4.4	0.0000	0.0000	OK
15 minute winter	MH10	23	29.294	0.303	17.3	0.0858	0.0000	SURCHARGED
15 minute winter	MH11	24	28.865	0.015	0.2	0.0043	0.0000	OK
15 minute winter	MH12	25	28.763	0.003	0.3	0.0008	0.0000	OK
15 minute winter	MH13	10	29.667	0.067	4.5	0.0189	0.0000	OK
15 minute winter	MH14	10	29.526	0.066	4.4	0.0186	0.0000	OK
15 minute winter	MH15	20	29.270	0.134	4.4	0.0000	0.0000	OK
15 minute winter	MH16	11	29.797	0.197	8.9	0.0000	0.0000	FLOOD RISK
15 minute winter	MH17	11	29.559	0.069	10.2	0.0109	0.0000	OK
15 minute winter	MH18	20	29.270	0.134	10.2	0.0000	0.0000	OK
15 minute winter	MH19	23	29.270	0.150	9.1	0.0424	0.0000	SURCHARGED
15 minute winter	MH20	11	29.860	0.260	7.1	0.0000	0.0000	FLOOD RISK
15 minute winter	MH21	11	29.745	0.245	9.7	0.0389	0.0000	FLOOD RISK
15 minute winter	MH22	13	29.280	0.152	9.3	0.0000	0.0000	OK
15 minute winter	MH23	10	29.646	0.046	2.7	0.0073	0.0000	OK
15 minute winter	MH24	10	29.532	0.062	5.4	0.0099	0.0000	OK
15 minute winter	MH25	20	29.265	0.137	5.3	0.0000	0.0000	OK
15 minute winter	MH26	21	29.265	0.165	11.0	0.0468	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	MH1	1.000	MH2	4.4	0.684	0.711	0.0602	
15 minute winter	MH2	1.001	MH3	6.9	0.926	1.113	0.0851	
15 minute winter	MH3	Flow through Pond	MH10	15.6	0.122	0.002	15.7878	
15 minute winter	MH4	2.000	MH5	1.9	0.383	0.321	0.0532	
15 minute winter	MH5	2.001	MH6	5.3	0.680	0.880	0.0938	
15 minute winter	MH6	2.002	MH7	21.7	1.236	1.207	0.1328	
15 minute winter	MH7	Flow through Pond	MH10	15.6	0.122	0.002	15.7878	
15 minute winter	MH8	3.000	MH9	4.4	0.844	0.736	0.0595	
15 minute winter	MH9	Flow through Pond	MH10	15.6	0.122	0.002	15.7878	
15 minute winter	MH10	1.002	MH11	0.1	0.243	0.009	0.0154	
15 minute winter	MH11	1.003	MH12	0.2	0.498	0.015	0.0068	
15 minute winter	MH12	Weir		0.3				4.2
15 minute winter	MH13	4.000	MH14	4.4	0.807	0.735	0.0770	
15 minute winter	MH14	4.001	MH15	4.4	0.827	0.711	0.0204	
15 minute winter	MH15	Flow through Pond	MH19	9.1	0.084	0.003	6.6083	
15 minute winter	MH16	5.000	MH17	8.5	1.154	1.314	0.0648	
15 minute winter	MH17	5.001	MH18	10.2	1.353	0.388	0.0415	
15 minute winter	MH18	Flow through Pond	MH19	9.1	0.084	0.003	6.6083	
15 minute winter	MH19	4.002	MH11	0.1	0.311	0.005	0.0021	
15 minute winter	MH20	6.000	MH21	6.3	0.802	0.993	0.0716	
15 minute winter	MH21	6.001	MH22	9.3	1.194	1.505	0.0730	
15 minute winter	MH22	Flow through Pond	MH26	11.0	0.125	0.008	6.9932	
15 minute winter	MH23	7.000	MH24	2.7	0.617	0.432	0.0539	
15 minute winter	MH24	7.001	MH25	5.3	1.074	0.644	0.0187	
15 minute winter	MH25	Flow through Pond	MH26	11.0	0.125	0.008	6.9932	
15 minute winter	MH26	6.002	MH12	0.1	0.472	0.006	0.0006	

Results for 100 year +45% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 95.9

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	MH1	18	29.753	0.062	4.4	0.0000	0.0000	OK
30 minute summer	MH2	18	29.696	0.105	7.0	0.0000	0.0000	SURCHARGED
30 minute summer	MH3	36	29.393	0.378	6.8	0.0000	0.0000	OK
30 minute summer	MH4	19	29.782	0.091	1.7	0.0000	0.0000	OK
30 minute summer	MH5	19	29.777	0.156	4.9	0.0000	0.0000	SURCHARGED
30 minute summer	MH6	18	29.693	0.192	21.9	0.0306	0.0000	SURCHARGED
30 minute summer	MH7	36	29.393	0.378	21.8	0.0000	0.0000	OK
30 minute summer	MH8	18	29.754	0.063	4.4	0.0000	0.0000	OK
30 minute summer	MH9	36	29.393	0.378	4.4	0.0000	0.0000	OK
30 minute summer	MH10	36	29.392	0.401	19.2	0.1135	0.0000	SURCHARGED
30 minute summer	MH11	39	28.866	0.016	0.2	0.0046	0.0000	OK
30 minute summer	MH12	38	28.763	0.003	0.3	0.0009	0.0000	OK
30 minute summer	MH13	18	29.666	0.066	4.4	0.0187	0.0000	OK
30 minute summer	MH14	18	29.526	0.066	4.4	0.0187	0.0000	OK
30 minute summer	MH15	37	29.317	0.182	4.4	0.0000	0.0000	OK
30 minute summer	MH16	18	29.794	0.194	8.7	0.0000	0.0000	FLOOD RISK
30 minute summer	MH17	18	29.558	0.068	10.2	0.0108	0.0000	OK
30 minute summer	MH18	37	29.317	0.182	10.1	0.0000	0.0000	OK
30 minute summer	MH19	36	29.317	0.197	8.1	0.0557	0.0000	SURCHARGED
30 minute summer	MH20	19	29.871	0.271	7.0	0.0000	0.0000	FLOOD RISK
30 minute summer	MH21	19	29.753	0.253	9.7	0.0402	0.0000	FLOOD RISK
30 minute summer	MH22	36	29.315	0.187	9.5	0.0000	0.0000	OK
30 minute summer	MH23	18	29.645	0.045	2.6	0.0072	0.0000	OK
30 minute summer	MH24	18	29.531	0.061	5.2	0.0098	0.0000	OK
30 minute summer	MH25	36	29.315	0.187	5.2	0.0000	0.0000	OK
30 minute summer	MH26	40	29.315	0.215	8.3	0.0608	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	MH1	1.000	MH2	4.4	0.682	0.703	0.0600	5.1
30 minute summer	MH2	1.001	MH3	6.8	0.921	1.103	0.0850	
30 minute summer	MH3	Flow through Pond	MH10	17.5	0.099	0.003	21.1026	
30 minute summer	MH4	2.000	MH5	2.0	0.379	0.337	0.0530	
30 minute summer	MH5	2.001	MH6	5.3	0.675	0.874	0.0938	
30 minute summer	MH6	2.002	MH7	21.8	1.242	1.213	0.1329	
30 minute summer	MH7	Flow through Pond	MH10	17.5	0.099	0.003	21.1026	
30 minute summer	MH8	3.000	MH9	4.4	0.844	0.729	0.0589	
30 minute summer	MH9	Flow through Pond	MH10	17.5	0.099	0.003	21.1026	
30 minute summer	MH10	1.002	MH11	0.2	0.233	0.011	0.0170	
30 minute summer	MH11	1.003	MH12	0.2	0.520	0.017	0.0075	
30 minute summer	MH12	Weir		0.3				
30 minute summer	MH13	4.000	MH14	4.4	0.804	0.729	0.0766	
30 minute summer	MH14	4.001	MH15	4.4	0.829	0.716	0.0205	
30 minute summer	MH15	Flow through Pond	MH19	8.1	0.079	0.003	8.8153	
30 minute summer	MH16	5.000	MH17	8.5	1.147	1.304	0.0646	
30 minute summer	MH17	5.001	MH18	10.1	1.348	0.384	0.0413	
30 minute summer	MH18	Flow through Pond	MH19	8.1	0.079	0.003	8.8153	
30 minute summer	MH19	4.002	MH11	0.1	0.272	0.006	0.0023	
30 minute summer	MH20	6.000	MH21	6.4	0.813	1.007	0.0716	
30 minute summer	MH21	6.001	MH22	9.5	1.214	1.530	0.0731	
30 minute summer	MH22	Flow through Pond	MH26	8.3	0.115	0.006	9.3512	
30 minute summer	MH23	7.000	MH24	2.6	0.613	0.422	0.0529	
30 minute summer	MH24	7.001	MH25	5.2	1.071	0.632	0.0184	
30 minute summer	MH25	Flow through Pond	MH26	8.3	0.115	0.006	9.3512	
30 minute summer	MH26	6.002	MH12	0.1	0.492	0.007	0.0007	

Results for 100 year +45% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 95.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	MH1	18	29.744	0.053	3.5	0.0000	0.0000	OK
30 minute winter	MH2	18	29.665	0.074	5.6	0.0000	0.0000	OK
30 minute winter	MH3	36	29.391	0.377	5.6	0.0000	0.0000	OK
30 minute winter	MH4	18	29.724	0.033	1.4	0.0000	0.0000	OK
30 minute winter	MH5	18	29.685	0.064	4.2	0.0000	0.0000	OK
30 minute winter	MH6	18	29.637	0.136	18.3	0.0216	0.0000	OK
30 minute winter	MH7	36	29.391	0.377	18.3	0.0000	0.0000	OK
30 minute winter	MH8	18	29.746	0.055	3.5	0.0000	0.0000	OK
30 minute winter	MH9	35	29.391	0.377	3.5	0.0000	0.0000	OK
30 minute winter	MH10	36	29.391	0.400	15.8	0.1131	0.0000	SURCHARGED
30 minute winter	MH11	38	28.866	0.016	0.2	0.0046	0.0000	OK
30 minute winter	MH12	38	28.763	0.003	0.3	0.0009	0.0000	OK
30 minute winter	MH13	18	29.656	0.056	3.5	0.0160	0.0000	OK
30 minute winter	MH14	18	29.517	0.057	3.5	0.0160	0.0000	OK
30 minute winter	MH15	36	29.317	0.182	3.5	0.0000	0.0000	OK
30 minute winter	MH16	19	29.712	0.112	7.1	0.0000	0.0000	FLOOD RISK
30 minute winter	MH17	17	29.551	0.061	8.3	0.0097	0.0000	OK
30 minute winter	MH18	36	29.317	0.182	8.3	0.0000	0.0000	OK
30 minute winter	MH19	35	29.317	0.197	6.8	0.0556	0.0000	SURCHARGED
30 minute winter	MH20	19	29.747	0.147	5.6	0.0000	0.0000	FLOOD RISK
30 minute winter	MH21	19	29.665	0.165	8.1	0.0262	0.0000	SURCHARGED
30 minute winter	MH22	38	29.314	0.186	8.0	0.0000	0.0000	OK
30 minute winter	MH23	18	29.640	0.040	2.1	0.0064	0.0000	OK
30 minute winter	MH24	18	29.523	0.053	4.2	0.0085	0.0000	OK
30 minute winter	MH25	37	29.314	0.186	4.2	0.0000	0.0000	OK
30 minute winter	MH26	35	29.314	0.214	7.1	0.0605	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	MH1	1.000	MH2	3.5	0.665	0.559	0.0488	5.1
30 minute winter	MH2	1.001	MH3	5.6	0.897	0.906	0.0715	
30 minute winter	MH3	Flow through Pond	MH10	14.5	0.115	0.002	21.0172	
30 minute winter	MH4	2.000	MH5	1.4	0.385	0.231	0.0259	
30 minute winter	MH5	2.001	MH6	4.2	0.580	0.693	0.0784	
30 minute winter	MH6	2.002	MH7	18.3	1.127	1.015	0.1260	
30 minute winter	MH7	Flow through Pond	MH10	14.5	0.115	0.002	21.0172	
30 minute winter	MH8	3.000	MH9	3.5	0.802	0.580	0.0493	
30 minute winter	MH9	Flow through Pond	MH10	14.5	0.115	0.002	21.0172	
30 minute winter	MH10	1.002	MH11	0.2	0.225	0.011	0.0170	
30 minute winter	MH11	1.003	MH12	0.2	0.520	0.017	0.0075	
30 minute winter	MH12	Weir		0.3				
30 minute winter	MH13	4.000	MH14	3.5	0.767	0.579	0.0639	
30 minute winter	MH14	4.001	MH15	3.5	0.788	0.569	0.0171	
30 minute winter	MH15	Flow through Pond	MH19	6.8	0.062	0.002	8.8013	
30 minute winter	MH16	5.000	MH17	6.9	1.092	1.069	0.0610	
30 minute winter	MH17	5.001	MH18	8.3	1.282	0.315	0.0355	
30 minute winter	MH18	Flow through Pond	MH19	6.8	0.062	0.002	8.8013	
30 minute winter	MH19	4.002	MH11	0.1	0.222	0.006	0.0023	
30 minute winter	MH20	6.000	MH21	5.3	0.697	0.842	0.0716	
30 minute winter	MH21	6.001	MH22	8.0	1.023	1.289	0.0720	
30 minute winter	MH22	Flow through Pond	MH26	7.1	0.104	0.005	9.2981	
30 minute winter	MH23	7.000	MH24	2.1	0.584	0.341	0.0450	
30 minute winter	MH24	7.001	MH25	4.2	1.021	0.510	0.0156	
30 minute winter	MH25	Flow through Pond	MH26	7.1	0.104	0.005	9.2981	
30 minute winter	MH26	6.002	MH12	0.1	0.492	0.007	0.0007	

Results for 100 year +45% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 95.9

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	MH1	33	29.743	0.052	3.3	0.0000	0.0000	OK
60 minute summer	MH2	33	29.662	0.071	5.3	0.0000	0.0000	OK
60 minute summer	MH3	66	29.496	0.481	5.3	0.0000	0.0000	OK
60 minute summer	MH4	34	29.722	0.031	1.3	0.0000	0.0000	OK
60 minute summer	MH5	33	29.679	0.058	3.9	0.0000	0.0000	OK
60 minute summer	MH6	33	29.625	0.124	17.1	0.0197	0.0000	OK
60 minute summer	MH7	66	29.496	0.481	17.1	0.0000	0.0000	OK
60 minute summer	MH8	33	29.744	0.053	3.3	0.0000	0.0000	OK
60 minute summer	MH9	66	29.496	0.481	3.3	0.0000	0.0000	OK
60 minute summer	MH10	66	29.495	0.504	13.3	0.1427	0.0000	SURCHARGED
60 minute summer	MH11	68	28.867	0.017	0.3	0.0049	0.0000	OK
60 minute summer	MH12	68	28.764	0.004	0.4	0.0010	0.0000	OK
60 minute summer	MH13	33	29.654	0.054	3.3	0.0154	0.0000	OK
60 minute summer	MH14	33	29.515	0.055	3.3	0.0154	0.0000	OK
60 minute summer	MH15	66	29.367	0.232	3.3	0.0000	0.0000	OK
60 minute summer	MH16	33	29.687	0.087	6.6	0.0000	0.0000	OK
60 minute summer	MH17	33	29.549	0.059	7.9	0.0094	0.0000	OK
60 minute summer	MH18	66	29.367	0.232	7.9	0.0000	0.0000	OK
60 minute summer	MH19	66	29.367	0.247	5.8	0.0699	0.0000	SURCHARGED
60 minute summer	MH20	34	29.716	0.116	5.3	0.0000	0.0000	FLOOD RISK
60 minute summer	MH21	34	29.642	0.142	7.6	0.0226	0.0000	SURCHARGED
60 minute summer	MH22	65	29.367	0.239	7.6	0.0000	0.0000	OK
60 minute summer	MH23	33	29.639	0.039	2.0	0.0062	0.0000	OK
60 minute summer	MH24	33	29.522	0.052	4.0	0.0082	0.0000	OK
60 minute summer	MH25	66	29.367	0.239	4.0	0.0000	0.0000	OK
60 minute summer	MH26	66	29.367	0.267	6.6	0.0755	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	MH1	1.000	MH2	3.3	0.657	0.527	0.0466	6.2
60 minute summer	MH2	1.001	MH3	5.3	0.890	0.857	0.0682	
60 minute summer	MH3	Flow through Pond	MH10	12.0	0.095	0.002	26.6822	
60 minute summer	MH4	2.000	MH5	1.3	0.386	0.214	0.0237	
60 minute summer	MH5	2.001	MH6	3.9	0.555	0.646	0.0753	
60 minute summer	MH6	2.002	MH7	17.1	1.132	0.950	0.1175	
60 minute summer	MH7	Flow through Pond	MH10	12.0	0.095	0.002	26.6822	
60 minute summer	MH8	3.000	MH9	3.3	0.790	0.547	0.0472	
60 minute summer	MH9	Flow through Pond	MH10	12.0	0.095	0.002	26.6822	
60 minute summer	MH10	1.002	MH11	0.2	0.217	0.012	0.0184	
60 minute summer	MH11	1.003	MH12	0.3	0.536	0.019	0.0081	
60 minute summer	MH12	Weir		0.4				
60 minute summer	MH13	4.000	MH14	3.3	0.757	0.546	0.0610	
60 minute summer	MH14	4.001	MH15	3.3	0.778	0.537	0.0164	
60 minute summer	MH15	Flow through Pond	MH19	5.8	0.041	0.002	11.1425	
60 minute summer	MH16	5.000	MH17	6.6	1.077	1.018	0.0576	
60 minute summer	MH17	5.001	MH18	7.9	1.267	0.300	0.0343	
60 minute summer	MH18	Flow through Pond	MH19	5.8	0.041	0.002	11.1425	
60 minute summer	MH19	4.002	MH11	0.1	0.203	0.007	0.0025	
60 minute summer	MH20	6.000	MH21	5.0	0.699	0.799	0.0716	
60 minute summer	MH21	6.001	MH22	7.6	0.968	1.218	0.0715	
60 minute summer	MH22	Flow through Pond	MH26	6.6	0.096	0.005	11.7603	
60 minute summer	MH23	7.000	MH24	2.0	0.577	0.325	0.0433	
60 minute summer	MH24	7.001	MH25	4.0	1.009	0.486	0.0150	
60 minute summer	MH25	Flow through Pond	MH26	6.6	0.096	0.005	11.7603	
60 minute summer	MH26	6.002	MH12	0.1	0.509	0.008	0.0007	

Results for 100 year +45% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 95.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	MH1	33	29.734	0.043	2.4	0.0000	0.0000	OK
60 minute winter	MH2	33	29.648	0.057	3.8	0.0000	0.0000	OK
60 minute winter	MH3	65	29.497	0.483	3.8	0.0000	0.0000	OK
60 minute winter	MH4	33	29.718	0.027	1.0	0.0000	0.0000	OK
60 minute winter	MH5	33	29.670	0.049	2.9	0.0000	0.0000	OK
60 minute winter	MH6	33	29.597	0.096	12.5	0.0153	0.0000	OK
60 minute winter	MH7	65	29.497	0.483	12.5	0.0000	0.0000	OK
60 minute winter	MH8	33	29.735	0.044	2.4	0.0000	0.0000	OK
60 minute winter	MH9	65	29.497	0.483	2.4	0.0000	0.0000	OK
60 minute winter	MH10	65	29.497	0.506	9.8	0.1432	0.0000	SURCHARGED
60 minute winter	MH11	67	28.867	0.017	0.3	0.0049	0.0000	OK
60 minute winter	MH12	67	28.764	0.004	0.4	0.0010	0.0000	OK
60 minute winter	MH13	33	29.645	0.045	2.4	0.0127	0.0000	OK
60 minute winter	MH14	33	29.505	0.045	2.4	0.0128	0.0000	OK
60 minute winter	MH15	65	29.367	0.232	2.4	0.0000	0.0000	OK
60 minute winter	MH16	33	29.667	0.067	4.8	0.0000	0.0000	OK
60 minute winter	MH17	33	29.540	0.050	5.8	0.0079	0.0000	OK
60 minute winter	MH18	65	29.367	0.232	5.8	0.0000	0.0000	OK
60 minute winter	MH19	65	29.367	0.247	4.5	0.0699	0.0000	SURCHARGED
60 minute winter	MH20	33	29.656	0.056	3.8	0.0000	0.0000	OK
60 minute winter	MH21	34	29.578	0.078	5.7	0.0125	0.0000	OK
60 minute winter	MH22	65	29.369	0.240	5.7	0.0000	0.0000	OK
60 minute winter	MH23	33	29.632	0.032	1.4	0.0052	0.0000	OK
60 minute winter	MH24	33	29.512	0.042	2.8	0.0067	0.0000	OK
60 minute winter	MH25	65	29.369	0.240	2.8	0.0000	0.0000	OK
60 minute winter	MH26	65	29.368	0.268	5.0	0.0759	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	MH1	1.000	MH2	2.4	0.618	0.383	0.0362	
60 minute winter	MH2	1.001	MH3	3.8	0.832	0.615	0.0523	
60 minute winter	MH3	Flow through Pond	MH10	8.8	0.091	0.001	26.7756	
60 minute winter	MH4	2.000	MH5	1.0	0.365	0.165	0.0192	
60 minute winter	MH5	2.001	MH6	2.9	0.476	0.480	0.0691	
60 minute winter	MH6	2.002	MH7	12.5	1.076	0.694	0.0904	
60 minute winter	MH7	Flow through Pond	MH10	8.8	0.091	0.001	26.7756	
60 minute winter	MH8	3.000	MH9	2.4	0.729	0.398	0.0372	
60 minute winter	MH9	Flow through Pond	MH10	8.8	0.091	0.001	26.7756	
60 minute winter	MH10	1.002	MH11	0.2	0.218	0.012	0.0184	
60 minute winter	MH11	1.003	MH12	0.3	0.536	0.019	0.0082	
60 minute winter	MH12	Weir		0.4				6.2
60 minute winter	MH13	4.000	MH14	2.4	0.703	0.397	0.0478	
60 minute winter	MH14	4.001	MH15	2.4	0.719	0.390	0.0129	
60 minute winter	MH15	Flow through Pond	MH19	4.5	0.047	0.002	11.1541	
60 minute winter	MH16	5.000	MH17	4.8	1.012	0.741	0.0453	
60 minute winter	MH17	5.001	MH18	5.8	1.168	0.220	0.0273	
60 minute winter	MH18	Flow through Pond	MH19	4.5	0.047	0.002	11.1541	
60 minute winter	MH19	4.002	MH11	0.1	0.205	0.007	0.0025	
60 minute winter	MH20	6.000	MH21	3.8	0.684	0.602	0.0506	
60 minute winter	MH21	6.001	MH22	5.7	0.883	0.919	0.0611	
60 minute winter	MH22	Flow through Pond	MH26	5.0	0.100	0.003	11.8405	
60 minute winter	MH23	7.000	MH24	1.4	0.528	0.227	0.0332	
60 minute winter	MH24	7.001	MH25	2.8	0.923	0.340	0.0115	
60 minute winter	MH25	Flow through Pond	MH26	5.0	0.100	0.003	11.8405	
60 minute winter	MH26	6.002	MH12	0.1	0.510	0.008	0.0007	

Results for 100 year +45% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 96.

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	MH1	64	29.732	0.041	2.2	0.0000	0.0000	OK
120 minute summer	MH2	64	29.645	0.054	3.5	0.0000	0.0000	OK
120 minute summer	MH3	126	29.597	0.583	3.5	0.0000	0.0000	OK
120 minute summer	MH4	64	29.717	0.026	0.9	0.0000	0.0000	OK
120 minute summer	MH5	64	29.667	0.046	2.6	0.0000	0.0000	OK
120 minute summer	MH6	126	29.597	0.096	11.2	0.0152	0.0000	OK
120 minute summer	MH7	126	29.597	0.583	11.2	0.0000	0.0000	OK
120 minute summer	MH8	64	29.733	0.042	2.2	0.0000	0.0000	OK
120 minute summer	MH9	126	29.597	0.583	2.2	0.0000	0.0000	OK
120 minute summer	MH10	126	29.597	0.606	8.6	0.1714	0.0000	SURCHARGED
120 minute summer	MH11	128	28.868	0.018	0.3	0.0051	0.0000	OK
120 minute summer	MH12	128	28.764	0.004	0.4	0.0011	0.0000	OK
120 minute summer	MH13	64	29.643	0.043	2.2	0.0121	0.0000	OK
120 minute summer	MH14	64	29.503	0.043	2.2	0.0121	0.0000	OK
120 minute summer	MH15	126	29.415	0.280	2.2	0.0000	0.0000	OK
120 minute summer	MH16	64	29.662	0.062	4.3	0.0000	0.0000	OK
120 minute summer	MH17	64	29.537	0.047	5.2	0.0075	0.0000	OK
120 minute summer	MH18	126	29.415	0.280	5.2	0.0000	0.0000	OK
120 minute summer	MH19	126	29.415	0.295	3.7	0.0835	0.0000	SURCHARGED
120 minute summer	MH20	64	29.652	0.052	3.4	0.0000	0.0000	OK
120 minute summer	MH21	64	29.571	0.071	5.1	0.0113	0.0000	OK
120 minute summer	MH22	126	29.417	0.289	5.1	0.0000	0.0000	OK
120 minute summer	MH23	64	29.631	0.031	1.3	0.0050	0.0000	OK
120 minute summer	MH24	64	29.510	0.040	2.6	0.0064	0.0000	OK
120 minute summer	MH25	126	29.417	0.289	2.6	0.0000	0.0000	OK
120 minute summer	MH26	126	29.417	0.317	3.9	0.0896	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	MH1	1.000	MH2	2.2	0.603	0.351	0.0340	
120 minute summer	MH2	1.001	MH3	3.5	0.816	0.566	0.0491	
120 minute summer	MH3	Flow through Pond	MH10	7.7	0.054	0.001	32.1734	
120 minute summer	MH4	2.000	MH5	0.9	0.356	0.148	0.0177	
120 minute summer	MH5	2.001	MH6	2.6	0.461	0.430	0.0652	
120 minute summer	MH6	2.002	MH7	11.2	1.051	0.622	0.1146	
120 minute summer	MH7	Flow through Pond	MH10	7.7	0.054	0.001	32.1734	
120 minute summer	MH8	3.000	MH9	2.2	0.712	0.364	0.0349	
120 minute summer	MH9	Flow through Pond	MH10	7.7	0.054	0.001	32.1734	
120 minute summer	MH10	1.002	MH11	0.2	0.213	0.013	0.0195	
120 minute summer	MH11	1.003	MH12	0.3	0.548	0.021	0.0087	
120 minute summer	MH12	Weir		0.4				7.7
120 minute summer	MH13	4.000	MH14	2.2	0.688	0.364	0.0448	
120 minute summer	MH14	4.001	MH15	2.2	0.703	0.358	0.0121	
120 minute summer	MH15	Flow through Pond	MH19	3.7	0.025	0.001	13.3859	
120 minute summer	MH16	5.000	MH17	4.3	0.985	0.664	0.0417	
120 minute summer	MH17	5.001	MH18	5.2	1.135	0.197	0.0252	
120 minute summer	MH18	Flow through Pond	MH19	3.7	0.025	0.001	13.3859	
120 minute summer	MH19	4.002	MH11	0.1	0.209	0.008	0.0027	
120 minute summer	MH20	6.000	MH21	3.4	0.670	0.538	0.0462	
120 minute summer	MH21	6.001	MH22	5.1	0.870	0.822	0.0555	
120 minute summer	MH22	Flow through Pond	MH26	3.9	0.052	0.003	14.0847	
120 minute summer	MH23	7.000	MH24	1.3	0.518	0.211	0.0314	
120 minute summer	MH24	7.001	MH25	2.6	0.906	0.316	0.0109	
120 minute summer	MH25	Flow through Pond	MH26	3.9	0.052	0.003	14.0847	
120 minute summer	MH26	6.002	MH12	0.1	0.523	0.009	0.0007	

Results for 100 year +45% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 96.0%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	MH1	62	29.724	0.033	1.5	0.0000	0.0000	OK
120 minute winter	MH2	64	29.634	0.043	2.4	0.0000	0.0000	OK
120 minute winter	MH3	124	29.601	0.587	2.4	0.0000	0.0000	OK
120 minute winter	MH4	62	29.712	0.021	0.6	0.0000	0.0000	OK
120 minute winter	MH5	62	29.658	0.037	1.8	0.0000	0.0000	OK
120 minute winter	MH6	124	29.601	0.100	7.7	0.0159	0.0000	OK
120 minute winter	MH7	124	29.601	0.587	7.7	0.0000	0.0000	OK
120 minute winter	MH8	62	29.725	0.034	1.5	0.0000	0.0000	OK
120 minute winter	MH9	124	29.601	0.587	1.5	0.0000	0.0000	OK
120 minute winter	MH10	124	29.601	0.610	6.0	0.1725	0.0000	SURCHARGED
120 minute winter	MH11	126	28.868	0.018	0.3	0.0051	0.0000	OK
120 minute winter	MH12	126	28.764	0.004	0.4	0.0011	0.0000	OK
120 minute winter	MH13	64	29.635	0.035	1.5	0.0098	0.0000	OK
120 minute winter	MH14	62	29.495	0.035	1.5	0.0098	0.0000	OK
120 minute winter	MH15	124	29.416	0.281	1.5	0.0000	0.0000	OK
120 minute winter	MH16	64	29.650	0.050	3.0	0.0000	0.0000	OK
120 minute winter	MH17	64	29.529	0.039	3.6	0.0061	0.0000	OK
120 minute winter	MH18	124	29.416	0.281	3.6	0.0000	0.0000	OK
120 minute winter	MH19	124	29.416	0.296	2.6	0.0836	0.0000	SURCHARGED
120 minute winter	MH20	64	29.643	0.043	2.4	0.0000	0.0000	OK
120 minute winter	MH21	64	29.556	0.056	3.6	0.0089	0.0000	OK
120 minute winter	MH22	124	29.421	0.293	3.6	0.0000	0.0000	OK
120 minute winter	MH23	64	29.626	0.026	0.9	0.0041	0.0000	OK
120 minute winter	MH24	64	29.503	0.033	1.8	0.0052	0.0000	OK
120 minute winter	MH25	124	29.421	0.293	1.8	0.0000	0.0000	OK
120 minute winter	MH26	124	29.421	0.321	2.8	0.0908	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	MH1	1.000	MH2	1.5	0.545	0.240	0.0257	
120 minute winter	MH2	1.001	MH3	2.4	0.742	0.388	0.0508	
120 minute winter	MH3	Flow through Pond	MH10	5.4	0.054	0.001	32.3924	
120 minute winter	MH4	2.000	MH5	0.6	0.322	0.099	0.0134	
120 minute winter	MH5	2.001	MH6	1.8	0.418	0.298	0.0516	
120 minute winter	MH6	2.002	MH7	7.7	0.962	0.428	0.1169	
120 minute winter	MH7	Flow through Pond	MH10	5.4	0.054	0.001	32.3924	
120 minute winter	MH8	3.000	MH9	1.5	0.641	0.248	0.0264	
120 minute winter	MH9	Flow through Pond	MH10	5.4	0.054	0.001	32.3924	
120 minute winter	MH10	1.002	MH11	0.2	0.216	0.013	0.0196	
120 minute winter	MH11	1.003	MH12	0.3	0.549	0.021	0.0087	
120 minute winter	MH12	Weir		0.4				7.8
120 minute winter	MH13	4.000	MH14	1.5	0.624	0.248	0.0337	
120 minute winter	MH14	4.001	MH15	1.5	0.635	0.244	0.0091	
120 minute winter	MH15	Flow through Pond	MH19	2.6	0.028	0.001	13.4102	
120 minute winter	MH16	5.000	MH17	3.0	0.898	0.463	0.0320	
120 minute winter	MH17	5.001	MH18	3.6	1.026	0.137	0.0193	
120 minute winter	MH18	Flow through Pond	MH19	2.6	0.028	0.001	13.4102	
120 minute winter	MH19	4.002	MH11	0.1	0.209	0.008	0.0027	
120 minute winter	MH20	6.000	MH21	2.4	0.622	0.380	0.0353	
120 minute winter	MH21	6.001	MH22	3.6	0.811	0.580	0.0421	
120 minute winter	MH22	Flow through Pond	MH26	2.8	0.055	0.002	14.2897	
120 minute winter	MH23	7.000	MH24	0.9	0.470	0.146	0.0240	
120 minute winter	MH24	7.001	MH25	1.8	0.822	0.219	0.0083	
120 minute winter	MH25	Flow through Pond	MH26	2.8	0.055	0.002	14.2897	
120 minute winter	MH26	6.002	MH12	0.1	0.524	0.009	0.0008	

Results for 100 year +45% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 96.

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	MH1	96	29.725	0.034	1.6	0.0000	0.0000	OK
180 minute summer	MH2	188	29.655	0.064	2.6	0.0000	0.0000	OK
180 minute summer	MH3	188	29.655	0.641	2.6	0.0000	0.0000	OK
180 minute summer	MH4	96	29.712	0.021	0.6	0.0000	0.0000	OK
180 minute summer	MH5	96	29.659	0.038	1.9	0.0000	0.0000	OK
180 minute summer	MH6	188	29.655	0.154	8.3	0.0245	0.0000	SURCHARGED
180 minute summer	MH7	188	29.655	0.641	8.3	0.0000	0.0000	OK
180 minute summer	MH8	96	29.726	0.035	1.6	0.0000	0.0000	OK
180 minute summer	MH9	188	29.655	0.641	1.6	0.0000	0.0000	OK
180 minute summer	MH10	188	29.655	0.664	6.3	0.1879	0.0000	SURCHARGED
180 minute summer	MH11	188	28.868	0.018	0.3	0.0052	0.0000	OK
180 minute summer	MH12	188	28.764	0.004	0.4	0.0011	0.0000	OK
180 minute summer	MH13	96	29.636	0.036	1.6	0.0101	0.0000	OK
180 minute summer	MH14	96	29.496	0.036	1.6	0.0102	0.0000	OK
180 minute summer	MH15	188	29.442	0.307	1.6	0.0000	0.0000	OK
180 minute summer	MH16	96	29.652	0.052	3.2	0.0000	0.0000	OK
180 minute summer	MH17	96	29.530	0.040	3.8	0.0063	0.0000	OK
180 minute summer	MH18	188	29.442	0.307	3.8	0.0000	0.0000	OK
180 minute summer	MH19	188	29.442	0.322	2.6	0.0912	0.0000	SURCHARGED
180 minute summer	MH20	96	29.645	0.045	2.6	0.0000	0.0000	OK
180 minute summer	MH21	96	29.559	0.059	3.9	0.0094	0.0000	OK
180 minute summer	MH22	188	29.444	0.316	3.9	0.0000	0.0000	OK
180 minute summer	MH23	96	29.627	0.027	1.0	0.0043	0.0000	OK
180 minute summer	MH24	96	29.505	0.035	2.0	0.0055	0.0000	OK
180 minute summer	MH25	188	29.444	0.316	2.0	0.0000	0.0000	OK
180 minute summer	MH26	188	29.444	0.344	3.0	0.0973	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	MH1	1.000	MH2	1.6	0.551	0.256	0.0271	
180 minute summer	MH2	1.001	MH3	2.6	0.757	0.421	0.0751	
180 minute summer	MH3	Flow through Pond	MH10	5.7	0.035	0.001	35.3335	
180 minute summer	MH4	2.000	MH5	0.6	0.306	0.099	0.0138	
180 minute summer	MH5	2.001	MH6	1.9	0.418	0.315	0.0608	
180 minute summer	MH6	2.002	MH7	8.3	0.980	0.461	0.1370	
180 minute summer	MH7	Flow through Pond	MH10	5.7	0.035	0.001	35.3335	
180 minute summer	MH8	3.000	MH9	1.6	0.653	0.265	0.0382	
180 minute summer	MH9	Flow through Pond	MH10	5.7	0.035	0.001	35.3335	
180 minute summer	MH10	1.002	MH11	0.2	0.216	0.014	0.0202	
180 minute summer	MH11	1.003	MH12	0.3	0.555	0.022	0.0090	
180 minute summer	MH12	Weir		0.4				9.1
180 minute summer	MH13	4.000	MH14	1.6	0.634	0.265	0.0353	
180 minute summer	MH14	4.001	MH15	1.6	0.647	0.260	0.0095	
180 minute summer	MH15	Flow through Pond	MH19	2.6	0.027	0.001	14.6464	
180 minute summer	MH16	5.000	MH17	3.2	0.916	0.494	0.0335	
180 minute summer	MH17	5.001	MH18	3.8	1.041	0.144	0.0244	
180 minute summer	MH18	Flow through Pond	MH19	2.6	0.027	0.001	14.6464	
180 minute summer	MH19	4.002	MH11	0.1	0.212	0.008	0.0027	
180 minute summer	MH20	6.000	MH21	2.6	0.633	0.412	0.0376	
180 minute summer	MH21	6.001	MH22	3.9	0.825	0.629	0.0448	
180 minute summer	MH22	Flow through Pond	MH26	3.0	0.028	0.002	15.3598	
180 minute summer	MH23	7.000	MH24	1.0	0.484	0.162	0.0259	
180 minute summer	MH24	7.001	MH25	2.0	0.845	0.243	0.0090	
180 minute summer	MH25	Flow through Pond	MH26	3.0	0.028	0.002	15.3598	
180 minute summer	MH26	6.002	MH12	0.1	0.530	0.009	0.0008	

Results for 100 year +45% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 96.1

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	MH1	92	29.719	0.028	1.1	0.0000	0.0000	OK
180 minute winter	MH2	184	29.655	0.064	1.8	0.0000	0.0000	OK
180 minute winter	MH3	184	29.655	0.641	1.8	0.0000	0.0000	OK
180 minute winter	MH4	88	29.708	0.017	0.4	0.0000	0.0000	OK
180 minute winter	MH5	184	29.655	0.034	1.3	0.0000	0.0000	OK
180 minute winter	MH6	184	29.655	0.154	5.7	0.0245	0.0000	SURCHARGED
180 minute winter	MH7	184	29.655	0.641	5.7	0.0000	0.0000	OK
180 minute winter	MH8	92	29.720	0.029	1.1	0.0000	0.0000	OK
180 minute winter	MH9	184	29.655	0.641	1.1	0.0000	0.0000	OK
180 minute winter	MH10	184	29.655	0.664	4.4	0.1879	0.0000	SURCHARGED
180 minute winter	MH11	184	28.868	0.018	0.3	0.0052	0.0000	OK
180 minute winter	MH12	184	28.764	0.004	0.4	0.0011	0.0000	OK
180 minute winter	MH13	92	29.629	0.029	1.1	0.0083	0.0000	OK
180 minute winter	MH14	92	29.489	0.029	1.1	0.0083	0.0000	OK
180 minute winter	MH15	184	29.442	0.307	1.1	0.0000	0.0000	OK
180 minute winter	MH16	96	29.642	0.042	2.2	0.0000	0.0000	OK
180 minute winter	MH17	96	29.523	0.033	2.6	0.0052	0.0000	OK
180 minute winter	MH18	184	29.442	0.307	2.6	0.0000	0.0000	OK
180 minute winter	MH19	184	29.442	0.322	1.8	0.0912	0.0000	SURCHARGED
180 minute winter	MH20	96	29.637	0.036	1.8	0.0000	0.0000	OK
180 minute winter	MH21	96	29.547	0.047	2.7	0.0075	0.0000	OK
180 minute winter	MH22	184	29.446	0.318	2.7	0.0000	0.0000	OK
180 minute winter	MH23	96	29.623	0.023	0.7	0.0036	0.0000	OK
180 minute winter	MH24	96	29.499	0.029	1.4	0.0046	0.0000	OK
180 minute winter	MH25	184	29.446	0.318	1.4	0.0000	0.0000	OK
180 minute winter	MH26	184	29.446	0.346	2.2	0.0979	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	MH1	1.000	MH2	1.1	0.508	0.176	0.0259	9.1
180 minute winter	MH2	1.001	MH3	1.8	0.686	0.291	0.0751	
180 minute winter	MH3	Flow through Pond	MH10	4.0	0.051	0.001	35.3377	
180 minute winter	MH4	2.000	MH5	0.4	0.291	0.066	0.0105	
180 minute winter	MH5	2.001	MH6	1.3	0.374	0.215	0.0609	
180 minute winter	MH6	2.002	MH7	5.7	0.890	0.317	0.1370	
180 minute winter	MH7	Flow through Pond	MH10	4.0	0.051	0.001	35.3377	
180 minute winter	MH8	3.000	MH9	1.1	0.588	0.182	0.0382	
180 minute winter	MH9	Flow through Pond	MH10	4.0	0.051	0.001	35.3377	
180 minute winter	MH10	1.002	MH11	0.2	0.216	0.014	0.0202	
180 minute winter	MH11	1.003	MH12	0.3	0.555	0.022	0.0090	
180 minute winter	MH12	Weir		0.4				
180 minute winter	MH13	4.000	MH14	1.1	0.574	0.182	0.0268	
180 minute winter	MH14	4.001	MH15	1.1	0.584	0.179	0.0073	
180 minute winter	MH15	Flow through Pond	MH19	1.8	0.021	0.001	14.6487	
180 minute winter	MH16	5.000	MH17	2.2	0.828	0.339	0.0255	
180 minute winter	MH17	5.001	MH18	2.6	0.937	0.099	0.0242	
180 minute winter	MH18	Flow through Pond	MH19	1.8	0.021	0.001	14.6487	
180 minute winter	MH19	4.002	MH11	0.1	0.212	0.008	0.0027	
180 minute winter	MH20	6.000	MH21	1.8	0.581	0.285	0.0284	
180 minute winter	MH21	6.001	MH22	2.7	0.756	0.435	0.0338	
180 minute winter	MH22	Flow through Pond	MH26	2.2	0.047	0.001	15.4533	
180 minute winter	MH23	7.000	MH24	0.7	0.439	0.114	0.0200	
180 minute winter	MH24	7.001	MH25	1.4	0.768	0.170	0.0072	
180 minute winter	MH25	Flow through Pond	MH26	2.2	0.047	0.001	15.4533	
180 minute winter	MH26	6.002	MH12	0.1	0.530	0.009	0.0008	

Results for 100 year +45% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 96.

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	MH1	124	29.722	0.031	1.3	0.0000	0.0000	OK
240 minute summer	MH2	248	29.693	0.102	2.1	0.0000	0.0000	SURCHARGED
240 minute summer	MH3	248	29.694	0.679	2.1	0.0000	0.0000	OK
240 minute summer	MH4	128	29.710	0.019	0.5	0.0000	0.0000	OK
240 minute summer	MH5	248	29.693	0.072	1.6	0.0000	0.0000	OK
240 minute summer	MH6	248	29.693	0.192	7.0	0.0306	0.0000	SURCHARGED
240 minute summer	MH7	248	29.694	0.679	7.0	0.0000	0.0000	OK
240 minute summer	MH8	124	29.722	0.031	1.3	0.0000	0.0000	OK
240 minute summer	MH9	248	29.694	0.679	1.3	0.0000	0.0000	OK
240 minute summer	MH10	248	29.693	0.702	5.3	0.1987	0.0000	SURCHARGED
240 minute summer	MH11	248	28.868	0.018	0.3	0.0052	0.0000	OK
240 minute summer	MH12	248	28.764	0.004	0.5	0.0011	0.0000	OK
240 minute summer	MH13	124	29.632	0.032	1.3	0.0091	0.0000	OK
240 minute summer	MH14	124	29.492	0.032	1.3	0.0091	0.0000	OK
240 minute summer	MH15	248	29.463	0.328	1.3	0.0000	0.0000	OK
240 minute summer	MH16	124	29.647	0.047	2.7	0.0000	0.0000	OK
240 minute summer	MH17	124	29.526	0.036	3.2	0.0058	0.0000	OK
240 minute summer	MH18	248	29.463	0.328	3.2	0.0000	0.0000	OK
240 minute summer	MH19	248	29.463	0.343	2.2	0.0971	0.0000	SURCHARGED
240 minute summer	MH20	124	29.640	0.040	2.1	0.0000	0.0000	OK
240 minute summer	MH21	124	29.552	0.052	3.2	0.0083	0.0000	OK
240 minute summer	MH22	244	29.467	0.339	3.2	0.0000	0.0000	OK
240 minute summer	MH23	124	29.624	0.024	0.8	0.0039	0.0000	OK
240 minute summer	MH24	124	29.501	0.031	1.6	0.0049	0.0000	OK
240 minute summer	MH25	244	29.467	0.339	1.6	0.0000	0.0000	OK
240 minute summer	MH26	244	29.467	0.367	2.3	0.1039	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	MH1	1.000	MH2	1.3	0.522	0.208	0.0380	10.4
240 minute summer	MH2	1.001	MH3	2.1	0.716	0.340	0.0896	
240 minute summer	MH3	Flow through Pond	MH10	4.8	0.039	0.001	37.4024	
240 minute summer	MH4	2.000	MH5	0.5	0.298	0.082	0.0211	
240 minute summer	MH5	2.001	MH6	1.6	0.397	0.264	0.0831	
240 minute summer	MH6	2.002	MH7	7.0	0.937	0.387	0.1370	
240 minute summer	MH7	Flow through Pond	MH10	4.8	0.039	0.001	37.4024	
240 minute summer	MH8	3.000	MH9	1.3	0.616	0.215	0.0462	
240 minute summer	MH9	Flow through Pond	MH10	4.8	0.039	0.001	37.4024	
240 minute summer	MH10	1.002	MH11	0.2	0.218	0.014	0.0205	
240 minute summer	MH11	1.003	MH12	0.3	0.559	0.023	0.0092	
240 minute summer	MH12	Weir		0.5				
240 minute summer	MH13	4.000	MH14	1.3	0.600	0.215	0.0303	
240 minute summer	MH14	4.001	MH15	1.3	0.611	0.211	0.0082	
240 minute summer	MH15	Flow through Pond	MH19	2.2	0.015	0.001	15.6168	
240 minute summer	MH16	5.000	MH17	2.7	0.874	0.415	0.0295	
240 minute summer	MH17	5.001	MH18	3.2	0.991	0.121	0.0324	
240 minute summer	MH18	Flow through Pond	MH19	2.2	0.015	0.001	15.6168	
240 minute summer	MH19	4.002	MH11	0.1	0.215	0.008	0.0028	
240 minute summer	MH20	6.000	MH21	2.1	0.600	0.332	0.0320	
240 minute summer	MH21	6.001	MH22	3.2	0.787	0.513	0.0383	
240 minute summer	MH22	Flow through Pond	MH26	2.3	0.029	0.002	16.4347	
240 minute summer	MH23	7.000	MH24	0.8	0.455	0.130	0.0220	
240 minute summer	MH24	7.001	MH25	1.6	0.796	0.194	0.0113	
240 minute summer	MH25	Flow through Pond	MH26	2.3	0.029	0.002	16.4347	
240 minute summer	MH26	6.002	MH12	0.1	0.535	0.009	0.0008	

Results for 100 year +45% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 96.1%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	MH1	124	29.717	0.026	0.9	0.0000	0.0000	OK
240 minute winter	MH2	240	29.696	0.105	1.4	0.0000	0.0000	SURCHARGED
240 minute winter	MH3	240	29.696	0.682	1.4	0.0000	0.0000	OK
240 minute winter	MH4	128	29.708	0.017	0.4	0.0000	0.0000	OK
240 minute winter	MH5	240	29.695	0.074	1.1	0.0000	0.0000	OK
240 minute winter	MH6	240	29.696	0.195	4.7	0.0309	0.0000	SURCHARGED
240 minute winter	MH7	240	29.696	0.682	4.7	0.0000	0.0000	OK
240 minute winter	MH8	124	29.717	0.026	0.9	0.0000	0.0000	OK
240 minute winter	MH9	240	29.696	0.682	0.9	0.0000	0.0000	OK
240 minute winter	MH10	240	29.696	0.705	3.6	0.1994	0.0000	SURCHARGED
240 minute winter	MH11	244	28.869	0.018	0.3	0.0052	0.0000	OK
240 minute winter	MH12	244	28.764	0.004	0.5	0.0011	0.0000	OK
240 minute winter	MH13	124	29.626	0.026	0.9	0.0075	0.0000	OK
240 minute winter	MH14	124	29.487	0.026	0.9	0.0075	0.0000	OK
240 minute winter	MH15	240	29.462	0.327	0.9	0.0000	0.0000	OK
240 minute winter	MH16	124	29.637	0.037	1.8	0.0000	0.0000	OK
240 minute winter	MH17	124	29.520	0.030	2.2	0.0048	0.0000	OK
240 minute winter	MH18	240	29.463	0.327	2.2	0.0000	0.0000	OK
240 minute winter	MH19	240	29.462	0.342	1.5	0.0969	0.0000	SURCHARGED
240 minute winter	MH20	120	29.632	0.032	1.4	0.0000	0.0000	OK
240 minute winter	MH21	120	29.541	0.041	2.1	0.0065	0.0000	OK
240 minute winter	MH22	240	29.470	0.341	2.1	0.0000	0.0000	OK
240 minute winter	MH23	112	29.619	0.019	0.5	0.0031	0.0000	OK
240 minute winter	MH24	112	29.494	0.024	1.0	0.0038	0.0000	OK
240 minute winter	MH25	240	29.470	0.341	1.0	0.0000	0.0000	OK
240 minute winter	MH26	240	29.469	0.369	1.6	0.1045	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	MH1	1.000	MH2	0.9	0.479	0.144	0.0380	
240 minute winter	MH2	1.001	MH3	1.4	0.640	0.226	0.0896	
240 minute winter	MH3	Flow through Pond	MH10	3.2	0.039	0.000	37.5351	
240 minute winter	MH4	2.000	MH5	0.4	0.292	0.066	0.0221	
240 minute winter	MH5	2.001	MH6	1.1	0.364	0.182	0.0844	
240 minute winter	MH6	2.002	MH7	4.7	0.845	0.261	0.1370	
240 minute winter	MH7	Flow through Pond	MH10	3.2	0.039	0.000	37.5351	
240 minute winter	MH8	3.000	MH9	0.9	0.555	0.149	0.0474	
240 minute winter	MH9	Flow through Pond	MH10	3.2	0.039	0.000	37.5351	
240 minute winter	MH10	1.002	MH11	0.2	0.218	0.015	0.0206	
240 minute winter	MH11	1.003	MH12	0.3	0.559	0.023	0.0092	
240 minute winter	MH12	Weir		0.5				10.5
240 minute winter	MH13	4.000	MH14	0.9	0.544	0.149	0.0232	
240 minute winter	MH14	4.001	MH15	0.9	0.552	0.146	0.0066	
240 minute winter	MH15	Flow through Pond	MH19	1.5	0.019	0.001	15.5842	
240 minute winter	MH16	5.000	MH17	1.8	0.776	0.278	0.0222	
240 minute winter	MH17	5.001	MH18	2.2	0.894	0.084	0.0322	
240 minute winter	MH18	Flow through Pond	MH19	1.5	0.019	0.001	15.5842	
240 minute winter	MH19	4.002	MH11	0.1	0.214	0.008	0.0028	
240 minute winter	MH20	6.000	MH21	1.4	0.544	0.222	0.0236	
240 minute winter	MH21	6.001	MH22	2.1	0.709	0.338	0.0300	
240 minute winter	MH22	Flow through Pond	MH26	1.6	0.030	0.001	16.5446	
240 minute winter	MH23	7.000	MH24	0.5	0.400	0.081	0.0157	
240 minute winter	MH24	7.001	MH25	1.0	0.699	0.121	0.0117	
240 minute winter	MH25	Flow through Pond	MH26	1.6	0.030	0.001	16.5446	
240 minute winter	MH26	6.002	MH12	0.1	0.535	0.009	0.0008	

Results for 100 year +45% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 96.

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	MH1	368	29.735	0.044	1.0	0.0000	0.0000	OK
360 minute summer	MH2	368	29.735	0.144	1.6	0.0000	0.0000	SURCHARGED
360 minute summer	MH3	368	29.735	0.721	1.6	0.0000	0.0000	OK
360 minute summer	MH4	368	29.735	0.044	0.4	0.0000	0.0000	OK
360 minute summer	MH5	368	29.735	0.114	1.2	0.0000	0.0000	SURCHARGED
360 minute summer	MH6	368	29.735	0.234	5.2	0.0372	0.0000	SURCHARGED
360 minute summer	MH7	368	29.735	0.721	5.2	0.0000	0.0000	OK
360 minute summer	MH8	368	29.735	0.044	1.0	0.0000	0.0000	OK
360 minute summer	MH9	368	29.735	0.721	1.0	0.0000	0.0000	OK
360 minute summer	MH10	368	29.735	0.744	4.0	0.2106	0.0000	SURCHARGED
360 minute summer	MH11	368	28.869	0.019	0.3	0.0053	0.0000	OK
360 minute summer	MH12	368	28.764	0.004	0.5	0.0011	0.0000	OK
360 minute summer	MH13	184	29.628	0.028	1.0	0.0079	0.0000	OK
360 minute summer	MH14	184	29.488	0.028	1.0	0.0079	0.0000	OK
360 minute summer	MH15	368	29.474	0.339	1.0	0.0000	0.0000	OK
360 minute summer	MH16	184	29.640	0.040	2.0	0.0000	0.0000	OK
360 minute summer	MH17	184	29.521	0.031	2.4	0.0050	0.0000	OK
360 minute summer	MH18	368	29.474	0.339	2.4	0.0000	0.0000	OK
360 minute summer	MH19	368	29.474	0.354	1.7	0.1002	0.0000	SURCHARGED
360 minute summer	MH20	184	29.634	0.034	1.6	0.0000	0.0000	OK
360 minute summer	MH21	184	29.544	0.044	2.4	0.0070	0.0000	OK
360 minute summer	MH22	368	29.506	0.378	2.4	0.0000	0.0000	OK
360 minute summer	MH23	184	29.621	0.021	0.6	0.0033	0.0000	OK
360 minute summer	MH24	368	29.506	0.036	1.2	0.0057	0.0000	OK
360 minute summer	MH25	368	29.506	0.378	1.2	0.0000	0.0000	OK
360 minute summer	MH26	368	29.506	0.406	1.7	0.1148	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	MH1	1.000	MH2	1.0	0.488	0.159	0.0518	
360 minute summer	MH2	1.001	MH3	1.6	0.663	0.257	0.0896	
360 minute summer	MH3	Flow through Pond	MH10	3.6	0.033	0.001	39.6656	
360 minute summer	MH4	2.000	MH5	0.4	0.279	0.065	0.0386	
360 minute summer	MH5	2.001	MH6	1.2	0.365	0.197	0.0938	
360 minute summer	MH6	2.002	MH7	5.2	0.867	0.287	0.1370	
360 minute summer	MH7	Flow through Pond	MH10	3.6	0.033	0.001	39.6656	
360 minute summer	MH8	3.000	MH9	1.0	0.571	0.165	0.0629	
360 minute summer	MH9	Flow through Pond	MH10	3.6	0.033	0.001	39.6656	
360 minute summer	MH10	1.002	MH11	0.2	0.221	0.015	0.0209	
360 minute summer	MH11	1.003	MH12	0.3	0.562	0.023	0.0093	
360 minute summer	MH12	Weir		0.5				13.0
360 minute summer	MH13	4.000	MH14	1.0	0.560	0.165	0.0249	
360 minute summer	MH14	4.001	MH15	1.0	0.568	0.161	0.0096	
360 minute summer	MH15	Flow through Pond	MH19	1.7	0.010	0.001	16.1293	
360 minute summer	MH16	5.000	MH17	2.0	0.802	0.307	0.0238	
360 minute summer	MH17	5.001	MH18	2.4	0.914	0.091	0.0368	
360 minute summer	MH18	Flow through Pond	MH19	1.7	0.010	0.001	16.1293	
360 minute summer	MH19	4.002	MH11	0.1	0.215	0.008	0.0028	
360 minute summer	MH20	6.000	MH21	1.6	0.564	0.252	0.0259	
360 minute summer	MH21	6.001	MH22	2.4	0.732	0.384	0.0397	
360 minute summer	MH22	Flow through Pond	MH26	1.7	0.017	0.001	18.0124	
360 minute summer	MH23	7.000	MH24	0.6	0.420	0.097	0.0178	
360 minute summer	MH24	7.001	MH25	1.2	0.734	0.145	0.0196	
360 minute summer	MH25	Flow through Pond	MH26	1.7	0.017	0.001	18.0124	
360 minute summer	MH26	6.002	MH12	0.1	0.543	0.010	0.0008	

Results for 100 year +45% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 96.2%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	MH1	360	29.732	0.041	0.7	0.0000	0.0000	OK
360 minute winter	MH2	360	29.732	0.141	1.1	0.0000	0.0000	SURCHARGED
360 minute winter	MH3	360	29.732	0.718	1.1	0.0000	0.0000	OK
360 minute winter	MH4	360	29.732	0.041	0.3	0.0000	0.0000	OK
360 minute winter	MH5	360	29.732	0.111	0.8	0.0000	0.0000	SURCHARGED
360 minute winter	MH6	360	29.732	0.231	3.4	0.0367	0.0000	SURCHARGED
360 minute winter	MH7	360	29.732	0.718	3.4	0.0000	0.0000	OK
360 minute winter	MH8	360	29.732	0.041	0.7	0.0000	0.0000	OK
360 minute winter	MH9	360	29.732	0.718	0.7	0.0000	0.0000	OK
360 minute winter	MH10	360	29.732	0.741	2.7	0.2097	0.0000	SURCHARGED
360 minute winter	MH11	360	28.869	0.019	0.3	0.0053	0.0000	OK
360 minute winter	MH12	360	28.764	0.004	0.5	0.0011	0.0000	OK
360 minute winter	MH13	184	29.623	0.023	0.7	0.0066	0.0000	OK
360 minute winter	MH14	184	29.483	0.023	0.7	0.0066	0.0000	OK
360 minute winter	MH15	360	29.474	0.339	0.7	0.0000	0.0000	OK
360 minute winter	MH16	184	29.632	0.032	1.3	0.0000	0.0000	OK
360 minute winter	MH17	184	29.516	0.026	1.6	0.0041	0.0000	OK
360 minute winter	MH18	360	29.474	0.339	1.6	0.0000	0.0000	OK
360 minute winter	MH19	360	29.474	0.354	1.1	0.1001	0.0000	SURCHARGED
360 minute winter	MH20	176	29.627	0.027	1.0	0.0000	0.0000	OK
360 minute winter	MH21	176	29.534	0.034	1.5	0.0054	0.0000	OK
360 minute winter	MH22	352	29.501	0.373	1.5	0.0000	0.0000	OK
360 minute winter	MH23	176	29.617	0.017	0.4	0.0027	0.0000	OK
360 minute winter	MH24	360	29.501	0.031	0.8	0.0049	0.0000	OK
360 minute winter	MH25	360	29.501	0.373	0.8	0.0000	0.0000	OK
360 minute winter	MH26	352	29.501	0.401	1.2	0.1135	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	MH1	1.000	MH2	0.7	0.444	0.111	0.0504	
360 minute winter	MH2	1.001	MH3	1.1	0.597	0.177	0.0896	
360 minute winter	MH3	Flow through Pond	MH10	2.4	0.022	0.000	39.4918	
360 minute winter	MH4	2.000	MH5	0.3	0.273	0.049	0.0375	
360 minute winter	MH5	2.001	MH6	0.8	0.334	0.132	0.0938	
360 minute winter	MH6	2.002	MH7	3.4	0.774	0.189	0.1370	
360 minute winter	MH7	Flow through Pond	MH10	2.4	0.022	0.000	39.4918	
360 minute winter	MH8	3.000	MH9	0.7	0.515	0.115	0.0611	
360 minute winter	MH9	Flow through Pond	MH10	2.4	0.022	0.000	39.4918	
360 minute winter	MH10	1.002	MH11	0.2	0.220	0.015	0.0209	
360 minute winter	MH11	1.003	MH12	0.3	0.562	0.023	0.0093	
360 minute winter	MH12	Weir		0.5				12.9
360 minute winter	MH13	4.000	MH14	0.7	0.507	0.115	0.0192	
360 minute winter	MH14	4.001	MH15	0.7	0.513	0.113	0.0095	
360 minute winter	MH15	Flow through Pond	MH19	1.1	0.009	0.000	16.1230	
360 minute winter	MH16	5.000	MH17	1.3	0.706	0.201	0.0177	
360 minute winter	MH17	5.001	MH18	1.6	0.815	0.061	0.0366	
360 minute winter	MH18	Flow through Pond	MH19	1.1	0.009	0.000	16.1230	
360 minute winter	MH19	4.002	MH11	0.1	0.215	0.008	0.0028	
360 minute winter	MH20	6.000	MH21	1.0	0.497	0.158	0.0185	
360 minute winter	MH21	6.001	MH22	1.5	0.647	0.242	0.0398	
360 minute winter	MH22	Flow through Pond	MH26	1.2	0.019	0.001	17.8432	
360 minute winter	MH23	7.000	MH24	0.4	0.375	0.065	0.0138	
360 minute winter	MH24	7.001	MH25	0.8	0.657	0.097	0.0188	
360 minute winter	MH25	Flow through Pond	MH26	1.2	0.019	0.001	17.8432	
360 minute winter	MH26	6.002	MH12	0.1	0.542	0.010	0.0008	

Results for 100 year +45% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 96.

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	MH1	488	29.759	0.068	0.8	0.0000	0.0000	OK
480 minute summer	MH2	488	29.759	0.168	1.3	0.0000	0.0000	SURCHARGED
480 minute summer	MH3	488	29.760	0.745	1.3	0.0000	0.0000	OK
480 minute summer	MH4	488	29.759	0.068	0.3	0.0000	0.0000	OK
480 minute summer	MH5	488	29.759	0.138	0.9	0.0000	0.0000	SURCHARGED
480 minute summer	MH6	488	29.759	0.258	4.0	0.0411	0.0000	SURCHARGED
480 minute summer	MH7	488	29.760	0.745	4.0	0.0000	0.0000	OK
480 minute summer	MH8	488	29.759	0.068	0.8	0.0000	0.0000	OK
480 minute summer	MH9	488	29.760	0.745	0.8	0.0000	0.0000	OK
480 minute summer	MH10	488	29.759	0.768	3.1	0.2174	0.0000	SURCHARGED
480 minute summer	MH11	488	28.869	0.019	0.3	0.0053	0.0000	OK
480 minute summer	MH12	488	28.764	0.004	0.5	0.0011	0.0000	OK
480 minute summer	MH13	248	29.625	0.025	0.8	0.0070	0.0000	OK
480 minute summer	MH14	488	29.485	0.025	0.8	0.0072	0.0000	OK
480 minute summer	MH15	488	29.486	0.350	0.8	0.0000	0.0000	OK
480 minute summer	MH16	248	29.634	0.034	1.5	0.0000	0.0000	OK
480 minute summer	MH17	248	29.517	0.027	1.8	0.0043	0.0000	OK
480 minute summer	MH18	488	29.486	0.350	1.8	0.0000	0.0000	OK
480 minute summer	MH19	488	29.485	0.365	1.3	0.1034	0.0000	SURCHARGED
480 minute summer	MH20	248	29.630	0.030	1.2	0.0000	0.0000	OK
480 minute summer	MH21	248	29.537	0.037	1.8	0.0060	0.0000	OK
480 minute summer	MH22	480	29.507	0.379	1.8	0.0000	0.0000	OK
480 minute summer	MH23	248	29.619	0.019	0.5	0.0031	0.0000	OK
480 minute summer	MH24	480	29.507	0.037	1.0	0.0058	0.0000	OK
480 minute summer	MH25	480	29.507	0.379	1.0	0.0000	0.0000	OK
480 minute summer	MH26	480	29.507	0.407	1.4	0.1151	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	MH1	1.000	MH2	0.8	0.455	0.128	0.0629	
480 minute summer	MH2	1.001	MH3	1.3	0.627	0.210	0.0896	
480 minute summer	MH3	Flow through Pond	MH10	2.8	0.034	0.000	40.9790	
480 minute summer	MH4	2.000	MH5	0.3	0.272	0.049	0.0468	
480 minute summer	MH5	2.001	MH6	0.9	0.334	0.149	0.0938	
480 minute summer	MH6	2.002	MH7	4.0	0.810	0.222	0.1370	
480 minute summer	MH7	Flow through Pond	MH10	2.8	0.034	0.000	40.9790	
480 minute summer	MH8	3.000	MH9	0.8	0.536	0.133	0.0764	
480 minute summer	MH9	Flow through Pond	MH10	2.8	0.034	0.000	40.9790	
480 minute summer	MH10	1.002	MH11	0.2	0.222	0.015	0.0211	
480 minute summer	MH11	1.003	MH12	0.3	0.565	0.024	0.0094	
480 minute summer	MH12	Weir		0.5				15.3
480 minute summer	MH13	4.000	MH14	0.8	0.526	0.132	0.0213	
480 minute summer	MH14	4.001	MH15	0.8	0.534	0.130	0.0135	
480 minute summer	MH15	Flow through Pond	MH19	1.3	0.010	0.000	16.6590	
480 minute summer	MH16	5.000	MH17	1.5	0.740	0.231	0.0194	
480 minute summer	MH17	5.001	MH18	1.8	0.843	0.068	0.0407	
480 minute summer	MH18	Flow through Pond	MH19	1.3	0.010	0.000	16.6590	
480 minute summer	MH19	4.002	MH11	0.1	0.216	0.008	0.0029	
480 minute summer	MH20	6.000	MH21	1.2	0.523	0.190	0.0211	
480 minute summer	MH21	6.001	MH22	1.8	0.680	0.290	0.0397	
480 minute summer	MH22	Flow through Pond	MH26	1.4	0.018	0.001	18.0446	
480 minute summer	MH23	7.000	MH24	0.5	0.400	0.081	0.0162	
480 minute summer	MH24	7.001	MH25	1.0	0.699	0.121	0.0198	
480 minute summer	MH25	Flow through Pond	MH26	1.4	0.018	0.001	18.0446	
480 minute summer	MH26	6.002	MH12	0.1	0.543	0.010	0.0008	

Results for 100 year +45% CC 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 96.1%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute winter	MH1	472	29.766	0.075	0.5	0.0000	0.0000	OK
480 minute winter	MH2	472	29.766	0.175	0.8	0.0000	0.0000	SURCHARGED
480 minute winter	MH3	472	29.766	0.752	0.8	0.0000	0.0000	OK
480 minute winter	MH4	472	29.766	0.075	0.2	0.0000	0.0000	OK
480 minute winter	MH5	472	29.766	0.145	0.6	0.0000	0.0000	SURCHARGED
480 minute winter	MH6	472	29.766	0.265	2.7	0.0421	0.0000	SURCHARGED
480 minute winter	MH7	472	29.766	0.752	2.7	0.0000	0.0000	OK
480 minute winter	MH8	472	29.766	0.075	0.5	0.0000	0.0000	OK
480 minute winter	MH9	472	29.766	0.752	0.5	0.0000	0.0000	OK
480 minute winter	MH10	472	29.766	0.775	2.1	0.2193	0.0000	SURCHARGED
480 minute winter	MH11	472	28.869	0.019	0.3	0.0053	0.0000	OK
480 minute winter	MH12	464	28.764	0.004	0.5	0.0012	0.0000	OK
480 minute winter	MH13	224	29.620	0.020	0.5	0.0056	0.0000	OK
480 minute winter	MH14	472	29.488	0.028	0.5	0.0079	0.0000	OK
480 minute winter	MH15	472	29.488	0.353	0.5	0.0000	0.0000	OK
480 minute winter	MH16	232	29.628	0.028	1.0	0.0000	0.0000	OK
480 minute winter	MH17	232	29.512	0.022	1.2	0.0035	0.0000	OK
480 minute winter	MH18	472	29.488	0.353	1.2	0.0000	0.0000	OK
480 minute winter	MH19	472	29.488	0.368	0.9	0.1041	0.0000	SURCHARGED
480 minute winter	MH20	232	29.624	0.024	0.8	0.0000	0.0000	OK
480 minute winter	MH21	464	29.545	0.045	1.2	0.0071	0.0000	OK
480 minute winter	MH22	464	29.544	0.416	1.2	0.0000	0.0000	OK
480 minute winter	MH23	216	29.615	0.015	0.3	0.0024	0.0000	OK
480 minute winter	MH24	464	29.545	0.075	0.6	0.0119	0.0000	OK
480 minute winter	MH25	464	29.545	0.416	0.6	0.0000	0.0000	OK
480 minute winter	MH26	464	29.544	0.444	0.9	0.1258	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	MH1	1.000	MH2	0.5	0.400	0.080	0.0657	15.5
480 minute winter	MH2	1.001	MH3	0.8	0.546	0.129	0.0896	
480 minute winter	MH3	Flow through Pond	MH10	1.9	0.017	0.000	41.3357	
480 minute winter	MH4	2.000	MH5	0.2	0.249	0.033	0.0489	
480 minute winter	MH5	2.001	MH6	0.6	0.317	0.099	0.0938	
480 minute winter	MH6	2.002	MH7	2.7	0.727	0.150	0.1370	
480 minute winter	MH7	Flow through Pond	MH10	1.9	0.017	0.000	41.3357	
480 minute winter	MH8	3.000	MH9	0.5	0.468	0.083	0.0797	
480 minute winter	MH9	Flow through Pond	MH10	1.9	0.017	0.000	41.3357	
480 minute winter	MH10	1.002	MH11	0.2	0.222	0.015	0.0212	
480 minute winter	MH11	1.003	MH12	0.3	0.565	0.024	0.0094	
480 minute winter	MH12	Weir		0.5				
480 minute winter	MH13	4.000	MH14	0.5	0.462	0.083	0.0152	
480 minute winter	MH14	4.001	MH15	0.5	0.468	0.081	0.0143	
480 minute winter	MH15	Flow through Pond	MH19	0.9	0.013	0.000	16.7733	
480 minute winter	MH16	5.000	MH17	1.0	0.659	0.154	0.0146	
480 minute winter	MH17	5.001	MH18	1.2	0.750	0.046	0.0415	
480 minute winter	MH18	Flow through Pond	MH19	0.9	0.013	0.000	16.7733	
480 minute winter	MH19	4.002	MH11	0.1	0.217	0.009	0.0029	
480 minute winter	MH20	6.000	MH21	0.8	0.467	0.127	0.0170	
480 minute winter	MH21	6.001	MH22	1.2	0.609	0.193	0.0530	
480 minute winter	MH22	Flow through Pond	MH26	0.9	0.020	0.001	18.8488	
480 minute winter	MH23	7.000	MH24	0.3	0.346	0.049	0.0393	
480 minute winter	MH24	7.001	MH25	0.6	0.604	0.073	0.0267	
480 minute winter	MH25	Flow through Pond	MH26	0.9	0.020	0.001	18.8488	
480 minute winter	MH26	6.002	MH12	0.1	0.551	0.010	0.0008	

Results for 100 year +45% CC 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 91

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	MH1	600	29.756	0.065	0.6	0.0000	0.0000	OK
600 minute summer	MH2	600	29.756	0.165	1.0	0.0000	0.0000	SURCHARGED
600 minute summer	MH3	600	29.756	0.742	1.0	0.0000	0.0000	OK
600 minute summer	MH4	600	29.756	0.065	0.2	0.0000	0.0000	OK
600 minute summer	MH5	600	29.756	0.135	0.7	0.0000	0.0000	SURCHARGED
600 minute summer	MH6	600	29.756	0.255	3.2	0.0405	0.0000	SURCHARGED
600 minute summer	MH7	600	29.756	0.742	3.2	0.0000	0.0000	OK
600 minute summer	MH8	600	29.756	0.065	0.6	0.0000	0.0000	OK
600 minute summer	MH9	600	29.756	0.742	0.6	0.0000	0.0000	OK
600 minute summer	MH10	600	29.756	0.765	2.5	0.2165	0.0000	SURCHARGED
600 minute summer	MH11	615	28.869	0.019	0.3	0.0053	0.0000	OK
600 minute summer	MH12	600	28.764	0.004	0.5	0.0011	0.0000	OK
600 minute summer	MH13	315	29.622	0.022	0.6	0.0061	0.0000	OK
600 minute summer	MH14	600	29.482	0.022	0.6	0.0062	0.0000	OK
600 minute summer	MH15	600	29.482	0.347	0.6	0.0000	0.0000	OK
600 minute summer	MH16	315	29.630	0.030	1.2	0.0000	0.0000	OK
600 minute summer	MH17	315	29.514	0.024	1.4	0.0038	0.0000	OK
600 minute summer	MH18	600	29.482	0.347	1.4	0.0000	0.0000	OK
600 minute summer	MH19	600	29.482	0.362	1.0	0.1024	0.0000	SURCHARGED
600 minute summer	MH20	315	29.627	0.027	1.0	0.0000	0.0000	OK
600 minute summer	MH21	315	29.534	0.034	1.5	0.0054	0.0000	OK
600 minute summer	MH22	555	29.490	0.362	1.5	0.0000	0.0000	OK
600 minute summer	MH23	315	29.617	0.017	0.4	0.0027	0.0000	OK
600 minute summer	MH24	315	29.492	0.022	0.8	0.0034	0.0000	OK
600 minute summer	MH25	555	29.490	0.362	0.8	0.0000	0.0000	OK
600 minute summer	MH26	555	29.490	0.390	1.2	0.1102	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	MH1	1.000	MH2	0.6	0.415	0.096	0.0614	
600 minute summer	MH2	1.001	MH3	1.0	0.582	0.162	0.0896	
600 minute summer	MH3	Flow through Pond	MH10	2.3	0.016	0.000	40.7927	
600 minute summer	MH4	2.000	MH5	0.2	0.249	0.033	0.0457	
600 minute summer	MH5	2.001	MH6	0.7	0.306	0.116	0.0938	
600 minute summer	MH6	2.002	MH7	3.2	0.762	0.178	0.1370	
600 minute summer	MH7	Flow through Pond	MH10	2.3	0.016	0.000	40.7927	
600 minute summer	MH8	3.000	MH9	0.6	0.494	0.099	0.0746	
600 minute summer	MH9	Flow through Pond	MH10	2.3	0.016	0.000	40.7927	
600 minute summer	MH10	1.002	MH11	0.2	0.222	0.015	0.0211	
600 minute summer	MH11	1.003	MH12	0.3	0.565	0.024	0.0094	
600 minute summer	MH12	Weir		0.5				17.3
600 minute summer	MH13	4.000	MH14	0.6	0.486	0.099	0.0173	
600 minute summer	MH14	4.001	MH15	0.6	0.493	0.098	0.0123	
600 minute summer	MH15	Flow through Pond	MH19	1.0	0.005	0.000	16.4979	
600 minute summer	MH16	5.000	MH17	1.2	0.700	0.185	0.0165	
600 minute summer	MH17	5.001	MH18	1.4	0.785	0.053	0.0395	
600 minute summer	MH18	Flow through Pond	MH19	1.0	0.005	0.000	16.4979	
600 minute summer	MH19	4.002	MH11	0.1	0.216	0.008	0.0029	
600 minute summer	MH20	6.000	MH21	1.0	0.497	0.158	0.0185	
600 minute summer	MH21	6.001	MH22	1.5	0.647	0.242	0.0375	
600 minute summer	MH22	Flow through Pond	MH26	1.2	0.009	0.001	17.3866	
600 minute summer	MH23	7.000	MH24	0.4	0.375	0.065	0.0134	
600 minute summer	MH24	7.001	MH25	0.8	0.657	0.097	0.0161	
600 minute summer	MH25	Flow through Pond	MH26	1.2	0.009	0.001	17.3866	
600 minute summer	MH26	6.002	MH12	0.1	0.540	0.009	0.0008	

Results for 100 year +45% CC 600 minute winter. 840 minute analysis at 15 minute timestep. Mass balance: 96.1

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute winter	MH1	585	29.761	0.070	0.4	0.0000	0.0000	OK
600 minute winter	MH2	585	29.761	0.170	0.7	0.0000	0.0000	SURCHARGED
600 minute winter	MH3	585	29.761	0.747	0.7	0.0000	0.0000	OK
600 minute winter	MH4	585	29.761	0.070	0.2	0.0000	0.0000	OK
600 minute winter	MH5	585	29.761	0.140	0.5	0.0000	0.0000	SURCHARGED
600 minute winter	MH6	585	29.761	0.260	2.2	0.0413	0.0000	SURCHARGED
600 minute winter	MH7	585	29.761	0.747	2.2	0.0000	0.0000	OK
600 minute winter	MH8	585	29.761	0.070	0.4	0.0000	0.0000	OK
600 minute winter	MH9	585	29.761	0.747	0.4	0.0000	0.0000	OK
600 minute winter	MH10	585	29.761	0.770	1.8	0.2179	0.0000	SURCHARGED
600 minute winter	MH11	585	28.869	0.019	0.3	0.0053	0.0000	OK
600 minute winter	MH12	585	28.764	0.004	0.5	0.0011	0.0000	OK
600 minute winter	MH13	285	29.618	0.018	0.4	0.0050	0.0000	OK
600 minute winter	MH14	585	29.490	0.030	0.4	0.0085	0.0000	OK
600 minute winter	MH15	585	29.490	0.355	0.4	0.0000	0.0000	OK
600 minute winter	MH16	315	29.626	0.026	0.9	0.0000	0.0000	OK
600 minute winter	MH17	315	29.511	0.021	1.1	0.0034	0.0000	OK
600 minute winter	MH18	585	29.490	0.355	1.1	0.0000	0.0000	OK
600 minute winter	MH19	585	29.490	0.370	0.8	0.1047	0.0000	SURCHARGED
600 minute winter	MH20	315	29.622	0.022	0.7	0.0000	0.0000	OK
600 minute winter	MH21	315	29.527	0.027	1.0	0.0044	0.0000	OK
600 minute winter	MH22	585	29.491	0.363	1.0	0.0000	0.0000	OK
600 minute winter	MH23	315	29.615	0.015	0.3	0.0024	0.0000	OK
600 minute winter	MH24	585	29.491	0.021	0.6	0.0033	0.0000	OK
600 minute winter	MH25	585	29.491	0.363	0.6	0.0000	0.0000	OK
600 minute winter	MH26	585	29.491	0.391	0.8	0.1105	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	MH1	1.000	MH2	0.4	0.384	0.064	0.0636	17.4
600 minute winter	MH2	1.001	MH3	0.7	0.525	0.113	0.0896	
600 minute winter	MH3	Flow through Pond	MH10	1.6	0.015	0.000	41.0608	
600 minute winter	MH4	2.000	MH5	0.2	0.249	0.033	0.0473	
600 minute winter	MH5	2.001	MH6	0.5	0.294	0.083	0.0938	
600 minute winter	MH6	2.002	MH7	2.2	0.686	0.122	0.1370	
600 minute winter	MH7	Flow through Pond	MH10	1.6	0.015	0.000	41.0608	
600 minute winter	MH8	3.000	MH9	0.4	0.438	0.066	0.0772	
600 minute winter	MH9	Flow through Pond	MH10	1.6	0.015	0.000	41.0608	
600 minute winter	MH10	1.002	MH11	0.2	0.222	0.015	0.0212	
600 minute winter	MH11	1.003	MH12	0.3	0.566	0.024	0.0094	
600 minute winter	MH12	Weir		0.5				
600 minute winter	MH13	4.000	MH14	0.4	0.433	0.066	0.0160	
600 minute winter	MH14	4.001	MH15	0.4	0.438	0.065	0.0151	
600 minute winter	MH15	Flow through Pond	MH19	0.8	0.005	0.000	16.8825	
600 minute winter	MH16	5.000	MH17	0.9	0.636	0.139	0.0136	
600 minute winter	MH17	5.001	MH18	1.1	0.731	0.042	0.0423	
600 minute winter	MH18	Flow through Pond	MH19	0.8	0.005	0.000	16.8825	
600 minute winter	MH19	4.002	MH11	0.1	0.217	0.009	0.0029	
600 minute winter	MH20	6.000	MH21	0.7	0.459	0.111	0.0140	
600 minute winter	MH21	6.001	MH22	1.0	0.578	0.161	0.0378	
600 minute winter	MH22	Flow through Pond	MH26	0.8	0.017	0.001	17.4270	
600 minute winter	MH23	7.000	MH24	0.3	0.346	0.049	0.0109	
600 minute winter	MH24	7.001	MH25	0.6	0.604	0.073	0.0163	
600 minute winter	MH25	Flow through Pond	MH26	0.8	0.017	0.001	17.4270	
600 minute winter	MH26	6.002	MH12	0.1	0.540	0.009	0.0008	

Results for 100 year +45% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 91

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	MH1	705	29.773	0.082	0.5	0.0000	0.0000	OK
720 minute summer	MH2	705	29.773	0.182	0.8	0.0000	0.0000	SURCHARGED
720 minute summer	MH3	705	29.774	0.759	0.8	0.0000	0.0000	OK
720 minute summer	MH4	705	29.773	0.082	0.2	0.0000	0.0000	OK
720 minute summer	MH5	705	29.773	0.152	0.6	0.0000	0.0000	SURCHARGED
720 minute summer	MH6	705	29.773	0.272	2.8	0.0433	0.0000	SURCHARGED
720 minute summer	MH7	705	29.774	0.759	2.8	0.0000	0.0000	OK
720 minute summer	MH8	705	29.773	0.082	0.5	0.0000	0.0000	OK
720 minute summer	MH9	705	29.774	0.759	0.5	0.0000	0.0000	OK
720 minute summer	MH10	705	29.773	0.782	2.1	0.2214	0.0000	SURCHARGED
720 minute summer	MH11	705	28.869	0.019	0.3	0.0054	0.0000	OK
720 minute summer	MH12	705	28.764	0.004	0.5	0.0011	0.0000	OK
720 minute summer	MH13	360	29.620	0.020	0.5	0.0056	0.0000	OK
720 minute summer	MH14	705	29.497	0.037	0.5	0.0104	0.0000	OK
720 minute summer	MH15	705	29.497	0.362	0.5	0.0000	0.0000	OK
720 minute summer	MH16	375	29.629	0.029	1.1	0.0000	0.0000	OK
720 minute summer	MH17	375	29.513	0.023	1.3	0.0037	0.0000	OK
720 minute summer	MH18	705	29.497	0.362	1.3	0.0000	0.0000	OK
720 minute summer	MH19	705	29.497	0.377	0.9	0.1066	0.0000	SURCHARGED
720 minute summer	MH20	375	29.626	0.026	0.9	0.0000	0.0000	OK
720 minute summer	MH21	375	29.532	0.031	1.3	0.0050	0.0000	OK
720 minute summer	MH22	615	29.487	0.359	1.3	0.0000	0.0000	OK
720 minute summer	MH23	360	29.615	0.015	0.3	0.0024	0.0000	OK
720 minute summer	MH24	360	29.489	0.019	0.6	0.0030	0.0000	OK
720 minute summer	MH25	615	29.487	0.359	0.6	0.0000	0.0000	OK
720 minute summer	MH26	615	29.487	0.387	1.0	0.1095	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	MH1	1.000	MH2	0.5	0.400	0.080	0.0685	
720 minute summer	MH2	1.001	MH3	0.8	0.546	0.129	0.0896	
720 minute summer	MH3	Flow through Pond	MH10	1.9	0.011	0.000	41.7377	
720 minute summer	MH4	2.000	MH5	0.2	0.249	0.033	0.0510	
720 minute summer	MH5	2.001	MH6	0.6	0.317	0.099	0.0938	
720 minute summer	MH6	2.002	MH7	2.8	0.734	0.156	0.1370	
720 minute summer	MH7	Flow through Pond	MH10	1.9	0.011	0.000	41.7377	
720 minute summer	MH8	3.000	MH9	0.5	0.468	0.083	0.0832	
720 minute summer	MH9	Flow through Pond	MH10	1.9	0.011	0.000	41.7377	
720 minute summer	MH10	1.002	MH11	0.2	0.222	0.015	0.0213	
720 minute summer	MH11	1.003	MH12	0.3	0.567	0.024	0.0095	
720 minute summer	MH12	Weir		0.5				19.6
720 minute summer	MH13	4.000	MH14	0.5	0.462	0.083	0.0202	
720 minute summer	MH14	4.001	MH15	0.5	0.468	0.081	0.0174	
720 minute summer	MH15	Flow through Pond	MH19	0.9	0.007	0.000	17.1617	
720 minute summer	MH16	5.000	MH17	1.1	0.680	0.170	0.0155	
720 minute summer	MH17	5.001	MH18	1.3	0.768	0.049	0.0443	
720 minute summer	MH18	Flow through Pond	MH19	0.9	0.007	0.000	17.1617	
720 minute summer	MH19	4.002	MH11	0.1	0.218	0.009	0.0029	
720 minute summer	MH20	6.000	MH21	0.9	0.490	0.142	0.0168	
720 minute summer	MH21	6.001	MH22	1.3	0.622	0.210	0.0367	
720 minute summer	MH22	Flow through Pond	MH26	1.0	0.009	0.001	17.2841	
720 minute summer	MH23	7.000	MH24	0.3	0.346	0.049	0.0109	
720 minute summer	MH24	7.001	MH25	0.6	0.604	0.073	0.0154	
720 minute summer	MH25	Flow through Pond	MH26	1.0	0.009	0.001	17.2841	
720 minute summer	MH26	6.002	MH12	0.1	0.539	0.009	0.0008	

Results for 100 year +45% CC 720 minute winter. 960 minute analysis at 15 minute timestep. Mass balance: 96.1

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute winter	MH1	705	29.780	0.089	0.4	0.0000	0.0000	OK
720 minute winter	MH2	705	29.780	0.189	0.6	0.0000	0.0000	SURCHARGED
720 minute winter	MH3	705	29.781	0.766	0.6	0.0000	0.0000	OK
720 minute winter	MH4	705	29.780	0.089	0.1	0.0000	0.0000	OK
720 minute winter	MH5	705	29.780	0.159	0.4	0.0000	0.0000	SURCHARGED
720 minute winter	MH6	705	29.780	0.279	1.9	0.0444	0.0000	SURCHARGED
720 minute winter	MH7	705	29.781	0.766	1.9	0.0000	0.0000	OK
720 minute winter	MH8	705	29.780	0.089	0.4	0.0000	0.0000	OK
720 minute winter	MH9	705	29.781	0.766	0.4	0.0000	0.0000	OK
720 minute winter	MH10	705	29.780	0.789	1.5	0.2234	0.0000	SURCHARGED
720 minute winter	MH11	705	28.869	0.019	0.3	0.0054	0.0000	OK
720 minute winter	MH12	705	28.764	0.004	0.5	0.0011	0.0000	OK
720 minute winter	MH13	360	29.618	0.018	0.4	0.0050	0.0000	OK
720 minute winter	MH14	705	29.489	0.029	0.4	0.0082	0.0000	OK
720 minute winter	MH15	705	29.489	0.354	0.4	0.0000	0.0000	OK
720 minute winter	MH16	345	29.623	0.023	0.7	0.0000	0.0000	OK
720 minute winter	MH17	345	29.508	0.018	0.8	0.0029	0.0000	OK
720 minute winter	MH18	705	29.489	0.354	0.8	0.0000	0.0000	OK
720 minute winter	MH19	705	29.489	0.369	0.6	0.1044	0.0000	SURCHARGED
720 minute winter	MH20	360	29.621	0.021	0.6	0.0000	0.0000	OK
720 minute winter	MH21	360	29.526	0.026	0.9	0.0041	0.0000	OK
720 minute winter	MH22	675	29.498	0.370	0.9	0.0000	0.0000	OK
720 minute winter	MH23	315	29.612	0.012	0.2	0.0020	0.0000	OK
720 minute winter	MH24	675	29.498	0.028	0.4	0.0045	0.0000	OK
720 minute winter	MH25	675	29.498	0.370	0.4	0.0000	0.0000	OK
720 minute winter	MH26	675	29.498	0.398	0.7	0.1126	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	MH1	1.000	MH2	0.4	0.384	0.064	0.0708	
720 minute winter	MH2	1.001	MH3	0.6	0.502	0.097	0.0896	
720 minute winter	MH3	Flow through Pond	MH10	1.4	0.019	0.000	42.0570	
720 minute winter	MH4	2.000	MH5	0.1	0.223	0.016	0.0527	
720 minute winter	MH5	2.001	MH6	0.4	0.273	0.066	0.0938	
720 minute winter	MH6	2.002	MH7	1.9	0.658	0.106	0.1370	
720 minute winter	MH7	Flow through Pond	MH10	1.4	0.019	0.000	42.0570	
720 minute winter	MH8	3.000	MH9	0.4	0.438	0.066	0.0859	
720 minute winter	MH9	Flow through Pond	MH10	1.4	0.019	0.000	42.0570	
720 minute winter	MH10	1.002	MH11	0.2	0.223	0.015	0.0213	
720 minute winter	MH11	1.003	MH12	0.3	0.567	0.024	0.0095	
720 minute winter	MH12	Weir		0.5				19.8
720 minute winter	MH13	4.000	MH14	0.4	0.433	0.066	0.0152	
720 minute winter	MH14	4.001	MH15	0.4	0.438	0.065	0.0147	
720 minute winter	MH15	Flow through Pond	MH19	0.6	0.005	0.000	16.8257	
720 minute winter	MH16	5.000	MH17	0.7	0.601	0.108	0.0112	
720 minute winter	MH17	5.001	MH18	0.8	0.665	0.030	0.0419	
720 minute winter	MH18	Flow through Pond	MH19	0.6	0.005	0.000	16.8257	
720 minute winter	MH19	4.002	MH11	0.1	0.216	0.009	0.0029	
720 minute winter	MH20	6.000	MH21	0.6	0.431	0.095	0.0128	
720 minute winter	MH21	6.001	MH22	0.9	0.561	0.145	0.0394	
720 minute winter	MH22	Flow through Pond	MH26	0.7	0.008	0.000	17.7241	
720 minute winter	MH23	7.000	MH24	0.2	0.307	0.032	0.0112	
720 minute winter	MH24	7.001	MH25	0.4	0.538	0.049	0.0182	
720 minute winter	MH25	Flow through Pond	MH26	0.7	0.008	0.000	17.7241	
720 minute winter	MH26	6.002	MH12	0.1	0.542	0.010	0.0008	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	MH1	810	29.753	0.062	0.4	0.0000	0.0000	OK
960 minute summer	MH2	810	29.753	0.162	0.7	0.0000	0.0000	SURCHARGED
960 minute summer	MH3	810	29.754	0.739	0.7	0.0000	0.0000	OK
960 minute summer	MH4	810	29.753	0.062	0.2	0.0000	0.0000	OK
960 minute summer	MH5	810	29.753	0.132	0.6	0.0000	0.0000	SURCHARGED
960 minute summer	MH6	810	29.753	0.252	2.4	0.0401	0.0000	SURCHARGED
960 minute summer	MH7	810	29.754	0.739	2.4	0.0000	0.0000	OK
960 minute summer	MH8	810	29.753	0.062	0.4	0.0000	0.0000	OK
960 minute summer	MH9	810	29.754	0.739	0.4	0.0000	0.0000	OK
960 minute summer	MH10	810	29.753	0.762	1.9	0.2158	0.0000	SURCHARGED
960 minute summer	MH11	810	28.869	0.019	0.3	0.0053	0.0000	OK
960 minute summer	MH12	810	28.764	0.004	0.5	0.0011	0.0000	OK
960 minute summer	MH13	480	29.618	0.018	0.4	0.0050	0.0000	OK
960 minute summer	MH14	810	29.489	0.029	0.4	0.0082	0.0000	OK
960 minute summer	MH15	810	29.489	0.354	0.4	0.0000	0.0000	OK
960 minute summer	MH16	495	29.626	0.026	0.9	0.0000	0.0000	OK
960 minute summer	MH17	495	29.511	0.021	1.1	0.0034	0.0000	OK
960 minute summer	MH18	810	29.489	0.354	1.1	0.0000	0.0000	OK
960 minute summer	MH19	810	29.489	0.369	0.8	0.1044	0.0000	SURCHARGED
960 minute summer	MH20	495	29.622	0.022	0.7	0.0000	0.0000	OK
960 minute summer	MH21	495	29.529	0.029	1.1	0.0046	0.0000	OK
960 minute summer	MH22	735	29.481	0.353	1.1	0.0000	0.0000	OK
960 minute summer	MH23	495	29.615	0.015	0.3	0.0024	0.0000	OK
960 minute summer	MH24	495	29.489	0.019	0.6	0.0030	0.0000	OK
960 minute summer	MH25	735	29.481	0.353	0.6	0.0000	0.0000	OK
960 minute summer	MH26	735	29.481	0.381	0.9	0.1078	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	MH1	1.000	MH2	0.4	0.384	0.064	0.0603	
960 minute summer	MH2	1.001	MH3	0.7	0.525	0.113	0.0896	
960 minute summer	MH3	Flow through Pond	MH10	1.7	0.008	0.000	40.6610	
960 minute summer	MH4	2.000	MH5	0.2	0.249	0.033	0.0449	
960 minute summer	MH5	2.001	MH6	0.6	0.311	0.099	0.0938	
960 minute summer	MH6	2.002	MH7	2.4	0.703	0.133	0.1370	
960 minute summer	MH7	Flow through Pond	MH10	1.7	0.008	0.000	40.6610	
960 minute summer	MH8	3.000	MH9	0.4	0.438	0.066	0.0732	
960 minute summer	MH9	Flow through Pond	MH10	1.7	0.008	0.000	40.6610	
960 minute summer	MH10	1.002	MH11	0.2	0.221	0.015	0.0211	
960 minute summer	MH11	1.003	MH12	0.3	0.566	0.024	0.0094	
960 minute summer	MH12	Weir		0.5				23.8
960 minute summer	MH13	4.000	MH14	0.4	0.433	0.066	0.0152	
960 minute summer	MH14	4.001	MH15	0.4	0.438	0.065	0.0147	
960 minute summer	MH15	Flow through Pond	MH19	0.8	0.005	0.000	16.8245	
960 minute summer	MH16	5.000	MH17	0.9	0.636	0.139	0.0136	
960 minute summer	MH17	5.001	MH18	1.1	0.731	0.042	0.0419	
960 minute summer	MH18	Flow through Pond	MH19	0.8	0.005	0.000	16.8245	
960 minute summer	MH19	4.002	MH11	0.1	0.217	0.009	0.0029	
960 minute summer	MH20	6.000	MH21	0.7	0.442	0.111	0.0146	
960 minute summer	MH21	6.001	MH22	1.1	0.594	0.177	0.0346	
960 minute summer	MH22	Flow through Pond	MH26	0.9	0.009	0.001	17.0454	
960 minute summer	MH23	7.000	MH24	0.3	0.346	0.049	0.0109	
960 minute summer	MH24	7.001	MH25	0.6	0.604	0.073	0.0137	
960 minute summer	MH25	Flow through Pond	MH26	0.9	0.009	0.001	17.0454	
960 minute summer	MH26	6.002	MH12	0.1	0.538	0.009	0.0008	

Results for 100 year +45% CC 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 96

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute winter	MH1	900	29.770	0.079	0.3	0.0000	0.0000	OK
960 minute winter	MH2	885	29.769	0.178	0.5	0.0000	0.0000	SURCHARGED
960 minute winter	MH3	885	29.770	0.756	0.5	0.0000	0.0000	OK
960 minute winter	MH4	885	29.769	0.078	0.1	0.0000	0.0000	OK
960 minute winter	MH5	885	29.769	0.148	0.3	0.0000	0.0000	SURCHARGED
960 minute winter	MH6	885	29.769	0.268	1.5	0.0427	0.0000	SURCHARGED
960 minute winter	MH7	885	29.770	0.756	1.5	0.0000	0.0000	OK
960 minute winter	MH8	885	29.769	0.078	0.3	0.0000	0.0000	OK
960 minute winter	MH9	885	29.770	0.756	0.3	0.0000	0.0000	OK
960 minute winter	MH10	885	29.770	0.778	1.2	0.2203	0.0000	SURCHARGED
960 minute winter	MH11	885	28.869	0.019	0.3	0.0054	0.0000	OK
960 minute winter	MH12	885	28.764	0.004	0.5	0.0011	0.0000	OK
960 minute winter	MH13	450	29.615	0.015	0.3	0.0043	0.0000	OK
960 minute winter	MH14	885	29.494	0.034	0.3	0.0096	0.0000	OK
960 minute winter	MH15	885	29.494	0.359	0.3	0.0000	0.0000	OK
960 minute winter	MH16	480	29.621	0.021	0.6	0.0000	0.0000	OK
960 minute winter	MH17	480	29.507	0.017	0.7	0.0027	0.0000	OK
960 minute winter	MH18	885	29.494	0.359	0.7	0.0000	0.0000	OK
960 minute winter	MH19	885	29.494	0.374	0.5	0.1058	0.0000	SURCHARGED
960 minute winter	MH20	480	29.619	0.019	0.5	0.0000	0.0000	OK
960 minute winter	MH21	480	29.523	0.023	0.7	0.0036	0.0000	OK
960 minute winter	MH22	750	29.485	0.357	0.7	0.0000	0.0000	OK
960 minute winter	MH23	450	29.612	0.012	0.2	0.0020	0.0000	OK
960 minute winter	MH24	750	29.485	0.015	0.4	0.0024	0.0000	OK
960 minute winter	MH25	750	29.485	0.357	0.4	0.0000	0.0000	OK
960 minute winter	MH26	750	29.485	0.385	0.6	0.1090	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	MH1	1.000	MH2	0.3	0.339	0.048	0.0672	24.0
960 minute winter	MH2	1.001	MH3	0.5	0.476	0.081	0.0896	
960 minute winter	MH3	Flow through Pond	MH10	1.1	0.009	0.000	41.5321	
960 minute winter	MH4	2.000	MH5	0.1	0.223	0.016	0.0500	
960 minute winter	MH5	2.001	MH6	0.3	0.264	0.050	0.0938	
960 minute winter	MH6	2.002	MH7	1.5	0.615	0.083	0.1370	
960 minute winter	MH7	Flow through Pond	MH10	1.1	0.009	0.000	41.5321	
960 minute winter	MH8	3.000	MH9	0.3	0.402	0.050	0.0815	
960 minute winter	MH9	Flow through Pond	MH10	1.1	0.009	0.000	41.5321	
960 minute winter	MH10	1.002	MH11	0.2	0.222	0.015	0.0213	
960 minute winter	MH11	1.003	MH12	0.3	0.567	0.024	0.0095	
960 minute winter	MH12	Weir		0.5				
960 minute winter	MH13	4.000	MH14	0.3	0.399	0.050	0.0183	
960 minute winter	MH14	4.001	MH15	0.3	0.403	0.049	0.0164	
960 minute winter	MH15	Flow through Pond	MH19	0.5	0.004	0.000	17.0453	
960 minute winter	MH16	5.000	MH17	0.6	0.571	0.093	0.0101	
960 minute winter	MH17	5.001	MH18	0.7	0.639	0.027	0.0435	
960 minute winter	MH18	Flow through Pond	MH19	0.5	0.004	0.000	17.0453	
960 minute winter	MH19	4.002	MH11	0.1	0.217	0.009	0.0029	
960 minute winter	MH20	6.000	MH21	0.5	0.420	0.079	0.0109	
960 minute winter	MH21	6.001	MH22	0.7	0.523	0.113	0.0362	
960 minute winter	MH22	Flow through Pond	MH26	0.6	0.007	0.000	17.2180	
960 minute winter	MH23	7.000	MH24	0.2	0.307	0.032	0.0082	
960 minute winter	MH24	7.001	MH25	0.4	0.538	0.049	0.0149	
960 minute winter	MH25	Flow through Pond	MH26	0.6	0.007	0.000	17.2180	
960 minute winter	MH26	6.002	MH12	0.1	0.539	0.009	0.0008	

Results for 100 year +45% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance:

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	MH1	1050	29.713	0.022	0.3	0.0000	0.0000	OK
1440 minute summer	MH2	1050	29.713	0.122	0.5	0.0000	0.0000	SURCHARGED
1440 minute summer	MH3	1050	29.713	0.699	0.5	0.0000	0.0000	OK
1440 minute summer	MH4	1050	29.713	0.022	0.1	0.0000	0.0000	OK
1440 minute summer	MH5	1050	29.713	0.092	0.3	0.0000	0.0000	OK
1440 minute summer	MH6	1050	29.713	0.212	1.5	0.0337	0.0000	SURCHARGED
1440 minute summer	MH7	1050	29.713	0.699	1.5	0.0000	0.0000	OK
1440 minute summer	MH8	1050	29.713	0.022	0.3	0.0000	0.0000	OK
1440 minute summer	MH9	1050	29.713	0.699	0.3	0.0000	0.0000	OK
1440 minute summer	MH10	1050	29.713	0.722	1.2	0.2043	0.0000	SURCHARGED
1440 minute summer	MH11	1050	28.869	0.019	0.3	0.0053	0.0000	OK
1440 minute summer	MH12	1050	28.764	0.004	0.5	0.0011	0.0000	OK
1440 minute summer	MH13	720	29.615	0.015	0.3	0.0043	0.0000	OK
1440 minute summer	MH14	720	29.475	0.015	0.3	0.0043	0.0000	OK
1440 minute summer	MH15	1050	29.460	0.325	0.3	0.0000	0.0000	OK
1440 minute summer	MH16	750	29.621	0.021	0.6	0.0000	0.0000	OK
1440 minute summer	MH17	750	29.507	0.017	0.7	0.0027	0.0000	OK
1440 minute summer	MH18	1050	29.460	0.325	0.7	0.0000	0.0000	OK
1440 minute summer	MH19	1050	29.460	0.340	0.5	0.0962	0.0000	SURCHARGED
1440 minute summer	MH20	750	29.619	0.019	0.5	0.0000	0.0000	OK
1440 minute summer	MH21	750	29.523	0.023	0.7	0.0036	0.0000	OK
1440 minute summer	MH22	1020	29.463	0.335	0.7	0.0000	0.0000	OK
1440 minute summer	MH23	720	29.612	0.012	0.2	0.0020	0.0000	OK
1440 minute summer	MH24	720	29.485	0.015	0.4	0.0024	0.0000	OK
1440 minute summer	MH25	1020	29.463	0.335	0.4	0.0000	0.0000	OK
1440 minute summer	MH26	1020	29.463	0.363	0.6	0.1027	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	MH1	1.000	MH2	0.3	0.339	0.048	0.0423	30.7
1440 minute summer	MH2	1.001	MH3	0.5	0.476	0.081	0.0896	
1440 minute summer	MH3	Flow through Pond	MH10	1.1	0.004	0.000	38.4668	
1440 minute summer	MH4	2.000	MH5	0.1	0.223	0.016	0.0305	
1440 minute summer	MH5	2.001	MH6	0.3	0.263	0.050	0.0921	
1440 minute summer	MH6	2.002	MH7	1.5	0.615	0.083	0.1370	
1440 minute summer	MH7	Flow through Pond	MH10	1.1	0.004	0.000	38.4668	
1440 minute summer	MH8	3.000	MH9	0.3	0.402	0.050	0.0513	
1440 minute summer	MH9	Flow through Pond	MH10	1.1	0.004	0.000	38.4668	
1440 minute summer	MH10	1.002	MH11	0.2	0.220	0.015	0.0207	
1440 minute summer	MH11	1.003	MH12	0.3	0.560	0.023	0.0092	
1440 minute summer	MH12	Weir		0.5				
1440 minute summer	MH13	4.000	MH14	0.3	0.399	0.050	0.0105	
1440 minute summer	MH14	4.001	MH15	0.3	0.403	0.049	0.0060	
1440 minute summer	MH15	Flow through Pond	MH19	0.5	0.005	0.000	15.4739	
1440 minute summer	MH16	5.000	MH17	0.6	0.571	0.093	0.0101	
1440 minute summer	MH17	5.001	MH18	0.7	0.639	0.027	0.0310	
1440 minute summer	MH18	Flow through Pond	MH19	0.5	0.005	0.000	15.4739	
1440 minute summer	MH19	4.002	MH11	0.1	0.213	0.008	0.0028	
1440 minute summer	MH20	6.000	MH21	0.5	0.420	0.079	0.0109	
1440 minute summer	MH21	6.001	MH22	0.7	0.523	0.113	0.0267	
1440 minute summer	MH22	Flow through Pond	MH26	0.6	0.006	0.000	16.2411	
1440 minute summer	MH23	7.000	MH24	0.2	0.307	0.032	0.0082	
1440 minute summer	MH24	7.001	MH25	0.4	0.538	0.049	0.0098	
1440 minute summer	MH25	Flow through Pond	MH26	0.6	0.006	0.000	16.2411	
1440 minute summer	MH26	6.002	MH12	0.1	0.534	0.009	0.0008	

Results for 100 year +45% CC 1440 minute winter. 1680 minute analysis at 30 minute timestep. Mass balance: 9

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	MH1	1110	29.734	0.043	0.2	0.0000	0.0000	OK
1440 minute winter	MH2	1110	29.734	0.143	0.3	0.0000	0.0000	SURCHARGED
1440 minute winter	MH3	1110	29.734	0.720	0.3	0.0000	0.0000	OK
1440 minute winter	MH4	1110	29.734	0.043	0.1	0.0000	0.0000	OK
1440 minute winter	MH5	1110	29.734	0.113	0.3	0.0000	0.0000	SURCHARGED
1440 minute winter	MH6	1110	29.734	0.233	1.1	0.0370	0.0000	SURCHARGED
1440 minute winter	MH7	1110	29.734	0.720	1.1	0.0000	0.0000	OK
1440 minute winter	MH8	1110	29.734	0.043	0.2	0.0000	0.0000	OK
1440 minute winter	MH9	1110	29.734	0.720	0.2	0.0000	0.0000	OK
1440 minute winter	MH10	1110	29.734	0.743	0.9	0.2101	0.0000	SURCHARGED
1440 minute winter	MH11	1110	28.869	0.019	0.3	0.0053	0.0000	OK
1440 minute winter	MH12	1110	28.764	0.004	0.5	0.0011	0.0000	OK
1440 minute winter	MH13	630	29.613	0.013	0.2	0.0036	0.0000	OK
1440 minute winter	MH14	1110	29.475	0.015	0.2	0.0042	0.0000	OK
1440 minute winter	MH15	1110	29.475	0.340	0.2	0.0000	0.0000	OK
1440 minute winter	MH16	690	29.617	0.017	0.4	0.0000	0.0000	OK
1440 minute winter	MH17	690	29.505	0.015	0.5	0.0023	0.0000	OK
1440 minute winter	MH18	1110	29.475	0.340	0.5	0.0000	0.0000	OK
1440 minute winter	MH19	1110	29.475	0.355	0.4	0.1004	0.0000	SURCHARGED
1440 minute winter	MH20	660	29.615	0.015	0.3	0.0000	0.0000	OK
1440 minute winter	MH21	720	29.519	0.019	0.5	0.0031	0.0000	OK
1440 minute winter	MH22	1080	29.466	0.338	0.5	0.0000	0.0000	OK
1440 minute winter	MH23	510	29.609	0.009	0.1	0.0014	0.0000	OK
1440 minute winter	MH24	510	29.481	0.011	0.2	0.0017	0.0000	OK
1440 minute winter	MH25	1080	29.466	0.338	0.2	0.0000	0.0000	OK
1440 minute winter	MH26	1080	29.466	0.366	0.4	0.1035	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	MH1	1.000	MH2	0.2	0.313	0.032	0.0512	
1440 minute winter	MH2	1.001	MH3	0.3	0.409	0.049	0.0896	
1440 minute winter	MH3	Flow through Pond	MH10	0.8	0.005	0.000	39.5851	
1440 minute winter	MH4	2.000	MH5	0.1	0.223	0.016	0.0382	
1440 minute winter	MH5	2.001	MH6	0.3	0.267	0.050	0.0938	
1440 minute winter	MH6	2.002	MH7	1.1	0.562	0.061	0.1370	
1440 minute winter	MH7	Flow through Pond	MH10	0.8	0.005	0.000	39.5851	
1440 minute winter	MH8	3.000	MH9	0.2	0.356	0.033	0.0621	
1440 minute winter	MH9	Flow through Pond	MH10	0.8	0.005	0.000	39.5851	
1440 minute winter	MH10	1.002	MH11	0.2	0.220	0.015	0.0209	
1440 minute winter	MH11	1.003	MH12	0.3	0.563	0.023	0.0093	
1440 minute winter	MH12	Weir		0.5				31.5
1440 minute winter	MH13	4.000	MH14	0.2	0.354	0.033	0.0079	
1440 minute winter	MH14	4.001	MH15	0.2	0.357	0.033	0.0099	
1440 minute winter	MH15	Flow through Pond	MH19	0.4	0.003	0.000	16.1694	
1440 minute winter	MH16	5.000	MH17	0.4	0.498	0.062	0.0077	
1440 minute winter	MH17	5.001	MH18	0.5	0.578	0.019	0.0369	
1440 minute winter	MH18	Flow through Pond	MH19	0.4	0.003	0.000	16.1694	
1440 minute winter	MH19	4.002	MH11	0.1	0.215	0.008	0.0028	
1440 minute winter	MH20	6.000	MH21	0.3	0.369	0.047	0.0082	
1440 minute winter	MH21	6.001	MH22	0.5	0.474	0.081	0.0280	
1440 minute winter	MH22	Flow through Pond	MH26	0.4	0.006	0.000	16.3671	
1440 minute winter	MH23	7.000	MH24	0.1	0.252	0.016	0.0050	
1440 minute winter	MH24	7.001	MH25	0.2	0.437	0.024	0.0103	
1440 minute winter	MH25	Flow through Pond	MH26	0.4	0.006	0.000	16.3671	
1440 minute winter	MH26	6.002	MH12	0.1	0.535	0.009	0.0008	

Results for 100 year +45% CC 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance:

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	MH1	1500	29.708	0.017	0.2	0.0000	0.0000	OK
2160 minute summer	MH2	1500	29.708	0.117	0.3	0.0000	0.0000	SURCHARGED
2160 minute summer	MH3	1500	29.709	0.694	0.3	0.0000	0.0000	OK
2160 minute summer	MH4	1500	29.709	0.018	0.1	0.0000	0.0000	OK
2160 minute summer	MH5	1500	29.709	0.088	0.3	0.0000	0.0000	OK
2160 minute summer	MH6	1500	29.708	0.207	1.2	0.0330	0.0000	SURCHARGED
2160 minute summer	MH7	1500	29.709	0.694	1.2	0.0000	0.0000	OK
2160 minute summer	MH8	1500	29.708	0.017	0.2	0.0000	0.0000	OK
2160 minute summer	MH9	1500	29.709	0.694	0.2	0.0000	0.0000	OK
2160 minute summer	MH10	1500	29.708	0.717	0.9	0.2030	0.0000	SURCHARGED
2160 minute summer	MH11	1500	28.869	0.019	0.3	0.0052	0.0000	OK
2160 minute summer	MH12	1500	28.764	0.004	0.5	0.0011	0.0000	OK
2160 minute summer	MH13	1080	29.613	0.013	0.2	0.0036	0.0000	OK
2160 minute summer	MH14	1080	29.473	0.013	0.2	0.0035	0.0000	OK
2160 minute summer	MH15	1500	29.452	0.317	0.2	0.0000	0.0000	OK
2160 minute summer	MH16	1140	29.617	0.017	0.4	0.0000	0.0000	OK
2160 minute summer	MH17	1140	29.505	0.015	0.5	0.0023	0.0000	OK
2160 minute summer	MH18	1500	29.452	0.317	0.5	0.0000	0.0000	OK
2160 minute summer	MH19	1500	29.452	0.332	0.4	0.0938	0.0000	SURCHARGED
2160 minute summer	MH20	1080	29.615	0.015	0.3	0.0000	0.0000	OK
2160 minute summer	MH21	1140	29.519	0.019	0.5	0.0031	0.0000	OK
2160 minute summer	MH22	1440	29.441	0.313	0.5	0.0000	0.0000	OK
2160 minute summer	MH23	960	29.609	0.009	0.1	0.0014	0.0000	OK
2160 minute summer	MH24	960	29.481	0.011	0.2	0.0017	0.0000	OK
2160 minute summer	MH25	1440	29.441	0.313	0.2	0.0000	0.0000	OK
2160 minute summer	MH26	1440	29.441	0.341	0.4	0.0964	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	MH1	1.000	MH2	0.2	0.313	0.032	0.0406	40.3
2160 minute summer	MH2	1.001	MH3	0.3	0.409	0.049	0.0896	
2160 minute summer	MH3	Flow through Pond	MH10	0.8	0.004	0.000	38.2225	
2160 minute summer	MH4	2.000	MH5	0.1	0.223	0.016	0.0284	
2160 minute summer	MH5	2.001	MH6	0.3	0.257	0.050	0.0905	
2160 minute summer	MH6	2.002	MH7	1.2	0.576	0.067	0.1370	
2160 minute summer	MH7	Flow through Pond	MH10	0.8	0.004	0.000	38.2225	
2160 minute summer	MH8	3.000	MH9	0.2	0.356	0.033	0.0493	
2160 minute summer	MH9	Flow through Pond	MH10	0.8	0.004	0.000	38.2225	
2160 minute summer	MH10	1.002	MH11	0.2	0.219	0.015	0.0206	
2160 minute summer	MH11	1.003	MH12	0.3	0.560	0.023	0.0092	
2160 minute summer	MH12	Weir		0.5				
2160 minute summer	MH13	4.000	MH14	0.2	0.354	0.033	0.0079	
2160 minute summer	MH14	4.001	MH15	0.2	0.357	0.033	0.0043	
2160 minute summer	MH15	Flow through Pond	MH19	0.4	0.005	0.000	15.0867	
2160 minute summer	MH16	5.000	MH17	0.4	0.498	0.062	0.0077	
2160 minute summer	MH17	5.001	MH18	0.5	0.578	0.019	0.0277	
2160 minute summer	MH18	Flow through Pond	MH19	0.4	0.005	0.000	15.0867	
2160 minute summer	MH19	4.002	MH11	0.1	0.211	0.008	0.0028	
2160 minute summer	MH20	6.000	MH21	0.3	0.369	0.047	0.0082	
2160 minute summer	MH21	6.001	MH22	0.5	0.474	0.081	0.0157	
2160 minute summer	MH22	Flow through Pond	MH26	0.4	0.009	0.000	15.1987	
2160 minute summer	MH23	7.000	MH24	0.1	0.252	0.016	0.0050	
2160 minute summer	MH24	7.001	MH25	0.2	0.437	0.024	0.0057	
2160 minute summer	MH25	Flow through Pond	MH26	0.4	0.009	0.000	15.1987	
2160 minute summer	MH26	6.002	MH12	0.1	0.529	0.009	0.0008	

Results for 100 year +45% CC 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 9

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute winter	MH1	720	29.700	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH2	1620	29.691	0.100	0.2	0.0000	0.0000	SURCHARGED
2160 minute winter	MH3	1620	29.692	0.677	0.2	0.0000	0.0000	OK
2160 minute winter	MH4	1080	29.700	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH5	1620	29.691	0.070	0.2	0.0000	0.0000	OK
2160 minute winter	MH6	1620	29.691	0.190	0.8	0.0303	0.0000	SURCHARGED
2160 minute winter	MH7	1620	29.692	0.678	0.8	0.0000	0.0000	OK
2160 minute winter	MH8	720	29.700	0.009	0.1	0.0000	0.0000	OK
2160 minute winter	MH9	1620	29.692	0.677	0.1	0.0000	0.0000	OK
2160 minute winter	MH10	1620	29.691	0.700	0.7	0.1982	0.0000	SURCHARGED
2160 minute winter	MH11	1620	28.868	0.018	0.3	0.0052	0.0000	OK
2160 minute winter	MH12	1620	28.764	0.004	0.4	0.0011	0.0000	OK
2160 minute winter	MH13	1500	29.609	0.009	0.1	0.0026	0.0000	OK
2160 minute winter	MH14	720	29.469	0.009	0.1	0.0025	0.0000	OK
2160 minute winter	MH15	1620	29.445	0.309	0.1	0.0000	0.0000	OK
2160 minute winter	MH16	1080	29.615	0.015	0.3	0.0000	0.0000	OK
2160 minute winter	MH17	1080	29.503	0.013	0.4	0.0021	0.0000	OK
2160 minute winter	MH18	1620	29.445	0.309	0.4	0.0000	0.0000	OK
2160 minute winter	MH19	1620	29.444	0.324	0.3	0.0918	0.0000	SURCHARGED
2160 minute winter	MH20	960	29.612	0.012	0.2	0.0000	0.0000	OK
2160 minute winter	MH21	960	29.515	0.015	0.3	0.0024	0.0000	OK
2160 minute winter	MH22	1560	29.453	0.325	0.3	0.0000	0.0000	OK
2160 minute winter	MH23	900	29.609	0.009	0.1	0.0014	0.0000	OK
2160 minute winter	MH24	900	29.481	0.011	0.2	0.0017	0.0000	OK
2160 minute winter	MH25	1560	29.453	0.325	0.2	0.0000	0.0000	OK
2160 minute winter	MH26	1560	29.453	0.353	0.3	0.1000	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	MH1	1.000	MH2	0.1	0.295	0.016	0.0373	41.5
2160 minute winter	MH2	1.001	MH3	0.2	0.362	0.032	0.0896	
2160 minute winter	MH3	Flow through Pond	MH10	0.6	0.003	0.000	37.3068	
2160 minute winter	MH4	2.000	MH5	0.1	0.223	0.016	0.0205	
2160 minute winter	MH5	2.001	MH6	0.2	0.240	0.033	0.0822	
2160 minute winter	MH6	2.002	MH7	0.8	0.512	0.044	0.1370	
2160 minute winter	MH7	Flow through Pond	MH10	0.6	0.003	0.000	37.3068	
2160 minute winter	MH8	3.000	MH9	0.1	0.289	0.017	0.0462	
2160 minute winter	MH9	Flow through Pond	MH10	0.6	0.003	0.000	37.3068	
2160 minute winter	MH10	1.002	MH11	0.2	0.219	0.014	0.0204	
2160 minute winter	MH11	1.003	MH12	0.3	0.558	0.023	0.0091	
2160 minute winter	MH12	Weir		0.4				
2160 minute winter	MH13	4.000	MH14	0.1	0.290	0.017	0.0049	
2160 minute winter	MH14	4.001	MH15	0.1	0.291	0.016	0.0031	
2160 minute winter	MH15	Flow through Pond	MH19	0.3	0.005	0.000	14.7515	
2160 minute winter	MH16	5.000	MH17	0.3	0.449	0.046	0.0064	
2160 minute winter	MH17	5.001	MH18	0.4	0.542	0.015	0.0247	
2160 minute winter	MH18	Flow through Pond	MH19	0.3	0.005	0.000	14.7515	
2160 minute winter	MH19	4.002	MH11	0.1	0.211	0.008	0.0028	
2160 minute winter	MH20	6.000	MH21	0.2	0.313	0.032	0.0059	
2160 minute winter	MH21	6.001	MH22	0.3	0.408	0.048	0.0217	
2160 minute winter	MH22	Flow through Pond	MH26	0.3	0.009	0.000	15.7887	
2160 minute winter	MH23	7.000	MH24	0.1	0.252	0.016	0.0050	
2160 minute winter	MH24	7.001	MH25	0.2	0.437	0.024	0.0080	
2160 minute winter	MH25	Flow through Pond	MH26	0.3	0.009	0.000	15.7887	
2160 minute winter	MH26	6.002	MH12	0.1	0.532	0.009	0.0008	

Results for 100 year +45% CC 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance:

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	MH1	1500	29.703	0.012	0.2	0.0000	0.0000	OK
2880 minute summer	MH2	1920	29.680	0.089	0.3	0.0000	0.0000	OK
2880 minute summer	MH3	1920	29.680	0.666	0.3	0.0000	0.0000	OK
2880 minute summer	MH4	1440	29.700	0.009	0.1	0.0000	0.0000	OK
2880 minute summer	MH5	1920	29.680	0.059	0.2	0.0000	0.0000	OK
2880 minute summer	MH6	1920	29.680	0.179	0.9	0.0285	0.0000	SURCHARGED
2880 minute summer	MH7	1920	29.680	0.666	0.9	0.0000	0.0000	OK
2880 minute summer	MH8	1500	29.704	0.012	0.2	0.0000	0.0000	OK
2880 minute summer	MH9	1920	29.680	0.666	0.2	0.0000	0.0000	OK
2880 minute summer	MH10	1920	29.680	0.689	0.8	0.1950	0.0000	SURCHARGED
2880 minute summer	MH11	1920	28.868	0.018	0.3	0.0052	0.0000	OK
2880 minute summer	MH12	1920	28.764	0.004	0.4	0.0011	0.0000	OK
2880 minute summer	MH13	1500	29.613	0.013	0.2	0.0036	0.0000	OK
2880 minute summer	MH14	1500	29.473	0.013	0.2	0.0035	0.0000	OK
2880 minute summer	MH15	1920	29.424	0.288	0.2	0.0000	0.0000	OK
2880 minute summer	MH16	1440	29.615	0.015	0.3	0.0000	0.0000	OK
2880 minute summer	MH17	1440	29.503	0.013	0.4	0.0021	0.0000	OK
2880 minute summer	MH18	1920	29.424	0.288	0.4	0.0000	0.0000	OK
2880 minute summer	MH19	1920	29.423	0.303	0.3	0.0858	0.0000	SURCHARGED
2880 minute summer	MH20	1500	29.615	0.015	0.3	0.0000	0.0000	OK
2880 minute summer	MH21	1500	29.517	0.017	0.4	0.0028	0.0000	OK
2880 minute summer	MH22	1860	29.425	0.297	0.4	0.0000	0.0000	OK
2880 minute summer	MH23	1320	29.609	0.009	0.1	0.0014	0.0000	OK
2880 minute summer	MH24	1320	29.481	0.011	0.2	0.0017	0.0000	OK
2880 minute summer	MH25	1860	29.425	0.297	0.2	0.0000	0.0000	OK
2880 minute summer	MH26	1860	29.425	0.325	0.3	0.0920	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	MH1	1.000	MH2	0.2	0.313	0.032	0.0344	49.1
2880 minute summer	MH2	1.001	MH3	0.3	0.409	0.049	0.0869	
2880 minute summer	MH3	Flow through Pond	MH10	0.7	0.004	0.000	36.6858	
2880 minute summer	MH4	2.000	MH5	0.1	0.223	0.016	0.0166	
2880 minute summer	MH5	2.001	MH6	0.2	0.227	0.033	0.0755	
2880 minute summer	MH6	2.002	MH7	0.9	0.530	0.050	0.1370	
2880 minute summer	MH7	Flow through Pond	MH10	0.7	0.004	0.000	36.6858	
2880 minute summer	MH8	3.000	MH9	0.2	0.356	0.033	0.0456	
2880 minute summer	MH9	Flow through Pond	MH10	0.7	0.004	0.000	36.6858	
2880 minute summer	MH10	1.002	MH11	0.2	0.219	0.014	0.0203	
2880 minute summer	MH11	1.003	MH12	0.3	0.556	0.022	0.0090	
2880 minute summer	MH12	Weir		0.4				
2880 minute summer	MH13	4.000	MH14	0.2	0.354	0.033	0.0079	
2880 minute summer	MH14	4.001	MH15	0.2	0.357	0.033	0.0022	
2880 minute summer	MH15	Flow through Pond	MH19	0.3	0.005	0.000	13.7704	
2880 minute summer	MH16	5.000	MH17	0.3	0.449	0.046	0.0064	
2880 minute summer	MH17	5.001	MH18	0.4	0.542	0.015	0.0162	
2880 minute summer	MH18	Flow through Pond	MH19	0.3	0.005	0.000	13.7704	
2880 minute summer	MH19	4.002	MH11	0.1	0.207	0.008	0.0027	
2880 minute summer	MH20	6.000	MH21	0.3	0.369	0.047	0.0074	
2880 minute summer	MH21	6.001	MH22	0.4	0.444	0.064	0.0090	
2880 minute summer	MH22	Flow through Pond	MH26	0.3	0.009	0.000	14.4871	
2880 minute summer	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
2880 minute summer	MH24	7.001	MH25	0.2	0.437	0.024	0.0029	
2880 minute summer	MH25	Flow through Pond	MH26	0.3	0.009	0.000	14.4871	
2880 minute summer	MH26	6.002	MH12	0.1	0.525	0.009	0.0008	

Results for 100 year +45% CC 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 9

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute winter	MH1	1020	29.700	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH2	2040	29.651	0.060	0.2	0.0000	0.0000	OK
2880 minute winter	MH3	2040	29.651	0.637	0.2	0.0000	0.0000	OK
2880 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
2880 minute winter	MH5	2040	29.651	0.030	0.1	0.0000	0.0000	OK
2880 minute winter	MH6	2040	29.651	0.150	0.6	0.0238	0.0000	OK
2880 minute winter	MH7	2040	29.651	0.637	0.6	0.0000	0.0000	OK
2880 minute winter	MH8	1020	29.700	0.009	0.1	0.0000	0.0000	OK
2880 minute winter	MH9	2040	29.651	0.637	0.1	0.0000	0.0000	OK
2880 minute winter	MH10	2040	29.651	0.660	0.6	0.1868	0.0000	SURCHARGED
2880 minute winter	MH11	2040	28.868	0.018	0.3	0.0051	0.0000	OK
2880 minute winter	MH12	2040	28.764	0.004	0.4	0.0011	0.0000	OK
2880 minute winter	MH13	1020	29.609	0.009	0.1	0.0026	0.0000	OK
2880 minute winter	MH14	1020	29.469	0.009	0.1	0.0025	0.0000	OK
2880 minute winter	MH15	2040	29.398	0.263	0.1	0.0000	0.0000	OK
2880 minute winter	MH16	1200	29.613	0.013	0.2	0.0000	0.0000	OK
2880 minute winter	MH17	1200	29.499	0.009	0.2	0.0015	0.0000	OK
2880 minute winter	MH18	2040	29.398	0.263	0.2	0.0000	0.0000	OK
2880 minute winter	MH19	2040	29.398	0.278	0.2	0.0787	0.0000	SURCHARGED
2880 minute winter	MH20	1320	29.612	0.012	0.2	0.0000	0.0000	OK
2880 minute winter	MH21	1320	29.515	0.015	0.3	0.0024	0.0000	OK
2880 minute winter	MH22	1920	29.460	0.332	0.3	0.0000	0.0000	OK
2880 minute winter	MH23	1260	29.609	0.009	0.1	0.0014	0.0000	OK
2880 minute winter	MH24	1260	29.481	0.011	0.2	0.0017	0.0000	OK
2880 minute winter	MH25	1920	29.460	0.332	0.2	0.0000	0.0000	OK
2880 minute winter	MH26	1920	29.460	0.360	0.3	0.1019	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	MH1	1.000	MH2	0.1	0.295	0.016	0.0230	49.9
2880 minute winter	MH2	1.001	MH3	0.2	0.362	0.032	0.0729	
2880 minute winter	MH3	Flow through Pond	MH10	0.6	0.003	0.000	35.1182	
2880 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0069	
2880 minute winter	MH5	2.001	MH6	0.1	0.182	0.017	0.0589	
2880 minute winter	MH6	2.002	MH7	0.6	0.470	0.033	0.1370	
2880 minute winter	MH7	Flow through Pond	MH10	0.6	0.003	0.000	35.1182	
2880 minute winter	MH8	3.000	MH9	0.1	0.289	0.017	0.0349	
2880 minute winter	MH9	Flow through Pond	MH10	0.6	0.003	0.000	35.1182	
2880 minute winter	MH10	1.002	MH11	0.2	0.218	0.014	0.0199	
2880 minute winter	MH11	1.003	MH12	0.3	0.550	0.022	0.0088	
2880 minute winter	MH12	Weir		0.4				
2880 minute winter	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
2880 minute winter	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
2880 minute winter	MH15	Flow through Pond	MH19	0.2	0.005	0.000	12.5988	
2880 minute winter	MH16	5.000	MH17	0.2	0.426	0.031	0.0045	
2880 minute winter	MH17	5.001	MH18	0.2	0.437	0.008	0.0070	
2880 minute winter	MH18	Flow through Pond	MH19	0.2	0.005	0.000	12.5988	
2880 minute winter	MH19	4.002	MH11	0.1	0.203	0.007	0.0027	
2880 minute winter	MH20	6.000	MH21	0.2	0.313	0.032	0.0059	
2880 minute winter	MH21	6.001	MH22	0.3	0.408	0.048	0.0250	
2880 minute winter	MH22	Flow through Pond	MH26	0.3	0.009	0.000	16.1113	
2880 minute winter	MH23	7.000	MH24	0.1	0.252	0.016	0.0050	
2880 minute winter	MH24	7.001	MH25	0.2	0.437	0.024	0.0093	
2880 minute winter	MH25	Flow through Pond	MH26	0.3	0.009	0.000	16.1113	
2880 minute winter	MH26	6.002	MH12	0.1	0.533	0.009	0.0008	

Results for 100 year +45% CC 4320 minute summer. 4560 minute analysis at 60 minute timestep. Mass balance:

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute summer	MH1	1800	29.700	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH2	2700	29.632	0.041	0.2	0.0000	0.0000	OK
4320 minute summer	MH3	2760	29.632	0.618	0.2	0.0000	0.0000	OK
4320 minute summer	MH4	2220	29.700	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH5	2220	29.633	0.012	0.2	0.0000	0.0000	OK
4320 minute summer	MH6	2760	29.632	0.131	0.7	0.0208	0.0000	OK
4320 minute summer	MH7	2760	29.632	0.618	0.7	0.0000	0.0000	OK
4320 minute summer	MH8	1800	29.700	0.009	0.1	0.0000	0.0000	OK
4320 minute summer	MH9	2760	29.632	0.618	0.1	0.0000	0.0000	OK
4320 minute summer	MH10	2760	29.632	0.641	0.6	0.1814	0.0000	SURCHARGED
4320 minute summer	MH11	2700	28.868	0.018	0.3	0.0051	0.0000	OK
4320 minute summer	MH12	2700	28.764	0.004	0.4	0.0011	0.0000	OK
4320 minute summer	MH13	1800	29.609	0.009	0.1	0.0026	0.0000	OK
4320 minute summer	MH14	1800	29.469	0.009	0.1	0.0025	0.0000	OK
4320 minute summer	MH15	2700	29.400	0.264	0.1	0.0000	0.0000	OK
4320 minute summer	MH16	2220	29.615	0.015	0.3	0.0000	0.0000	OK
4320 minute summer	MH17	2220	29.503	0.013	0.4	0.0021	0.0000	OK
4320 minute summer	MH18	2700	29.400	0.264	0.4	0.0000	0.0000	OK
4320 minute summer	MH19	2700	29.399	0.279	0.3	0.0791	0.0000	SURCHARGED
4320 minute summer	MH20	2100	29.612	0.012	0.2	0.0000	0.0000	OK
4320 minute summer	MH21	2100	29.515	0.015	0.3	0.0024	0.0000	OK
4320 minute summer	MH22	2580	29.406	0.278	0.3	0.0000	0.0000	OK
4320 minute summer	MH23	2040	29.609	0.009	0.1	0.0014	0.0000	OK
4320 minute summer	MH24	2040	29.481	0.011	0.2	0.0017	0.0000	OK
4320 minute summer	MH25	2580	29.406	0.278	0.2	0.0000	0.0000	OK
4320 minute summer	MH26	2580	29.406	0.306	0.3	0.0865	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	MH1	1.000	MH2	0.1	0.295	0.016	0.0142	64.1
4320 minute summer	MH2	1.001	MH3	0.2	0.362	0.032	0.0620	
4320 minute summer	MH3	Flow through Pond	MH10	0.5	0.003	0.000	34.0789	
4320 minute summer	MH4	2.000	MH5	0.1	0.223	0.016	0.0031	
4320 minute summer	MH5	2.001	MH6	0.2	0.238	0.033	0.0496	
4320 minute summer	MH6	2.002	MH7	0.7	0.492	0.039	0.1319	
4320 minute summer	MH7	Flow through Pond	MH10	0.5	0.003	0.000	34.0789	
4320 minute summer	MH8	3.000	MH9	0.1	0.289	0.017	0.0245	
4320 minute summer	MH9	Flow through Pond	MH10	0.5	0.003	0.000	34.0789	
4320 minute summer	MH10	1.002	MH11	0.2	0.216	0.014	0.0198	
4320 minute summer	MH11	1.003	MH12	0.3	0.550	0.021	0.0087	
4320 minute summer	MH12	Weir		0.4				
4320 minute summer	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
4320 minute summer	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
4320 minute summer	MH15	Flow through Pond	MH19	0.3	0.005	0.000	12.6564	
4320 minute summer	MH16	5.000	MH17	0.3	0.449	0.046	0.0064	
4320 minute summer	MH17	5.001	MH18	0.4	0.542	0.015	0.0074	
4320 minute summer	MH18	Flow through Pond	MH19	0.3	0.005	0.000	12.6564	
4320 minute summer	MH19	4.002	MH11	0.1	0.204	0.007	0.0027	
4320 minute summer	MH20	6.000	MH21	0.2	0.313	0.032	0.0059	
4320 minute summer	MH21	6.001	MH22	0.3	0.408	0.048	0.0070	
4320 minute summer	MH22	Flow through Pond	MH26	0.3	0.009	0.000	13.5795	
4320 minute summer	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
4320 minute summer	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
4320 minute summer	MH25	Flow through Pond	MH26	0.3	0.009	0.000	13.5795	
4320 minute summer	MH26	6.002	MH12	0.1	0.520	0.008	0.0007	

Results for 100 year +45% CC 4320 minute winter. 4560 minute analysis at 60 minute timestep. Mass balance: 9

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
4320 minute winter	MH1	1680	29.700	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH2	2940	29.606	0.015	0.2	0.0000	0.0000	OK
4320 minute winter	MH3	2940	29.606	0.591	0.2	0.0000	0.0000	OK
4320 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
4320 minute winter	MH5	1860	29.630	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH6	2940	29.605	0.104	0.4	0.0166	0.0000	OK
4320 minute winter	MH7	2940	29.606	0.591	0.5	0.0000	0.0000	OK
4320 minute winter	MH8	1680	29.700	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH9	2940	29.606	0.591	0.1	0.0000	0.0000	OK
4320 minute winter	MH10	2940	29.605	0.614	0.4	0.1739	0.0000	SURCHARGED
4320 minute winter	MH11	2820	28.868	0.018	0.3	0.0051	0.0000	OK
4320 minute winter	MH12	2820	28.764	0.004	0.4	0.0010	0.0000	OK
4320 minute winter	MH13	1680	29.609	0.009	0.1	0.0026	0.0000	OK
4320 minute winter	MH14	1680	29.469	0.009	0.1	0.0025	0.0000	OK
4320 minute winter	MH15	2820	29.394	0.259	0.1	0.0000	0.0000	OK
4320 minute winter	MH16	2040	29.613	0.013	0.2	0.0000	0.0000	OK
4320 minute winter	MH17	2040	29.499	0.009	0.2	0.0015	0.0000	OK
4320 minute winter	MH18	2820	29.394	0.259	0.2	0.0000	0.0000	OK
4320 minute winter	MH19	2820	29.394	0.274	0.2	0.0775	0.0000	SURCHARGED
4320 minute winter	MH20	1440	29.609	0.009	0.1	0.0000	0.0000	OK
4320 minute winter	MH21	1860	29.512	0.012	0.2	0.0020	0.0000	OK
4320 minute winter	MH22	2640	29.336	0.208	0.2	0.0000	0.0000	OK
4320 minute winter	MH23	2160	29.609	0.009	0.1	0.0014	0.0000	OK
4320 minute winter	MH24	2160	29.481	0.011	0.2	0.0017	0.0000	OK
4320 minute winter	MH25	2640	29.336	0.208	0.2	0.0000	0.0000	OK
4320 minute winter	MH26	2640	29.336	0.236	0.2	0.0667	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	MH1	1.000	MH2	0.1	0.295	0.016	0.0041	
4320 minute winter	MH2	1.001	MH3	0.2	0.362	0.032	0.0489	
4320 minute winter	MH3	Flow through Pond	MH10	0.4	0.003	0.000	32.6435	
4320 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
4320 minute winter	MH5	2.001	MH6	0.1	0.183	0.017	0.0469	
4320 minute winter	MH6	2.002	MH7	0.4	0.416	0.022	0.1194	
4320 minute winter	MH7	Flow through Pond	MH10	0.4	0.003	0.000	32.6435	
4320 minute winter	MH8	3.000	MH9	0.1	0.289	0.017	0.0098	
4320 minute winter	MH9	Flow through Pond	MH10	0.4	0.003	0.000	32.6435	
4320 minute winter	MH10	1.002	MH11	0.2	0.214	0.014	0.0195	
4320 minute winter	MH11	1.003	MH12	0.3	0.549	0.021	0.0086	
4320 minute winter	MH12	Weir		0.4				64.9
4320 minute winter	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
4320 minute winter	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
4320 minute winter	MH15	Flow through Pond	MH19	0.2	0.005	0.000	12.4071	
4320 minute winter	MH16	5.000	MH17	0.2	0.426	0.031	0.0045	
4320 minute winter	MH17	5.001	MH18	0.2	0.437	0.008	0.0058	
4320 minute winter	MH18	Flow through Pond	MH19	0.2	0.005	0.000	12.4071	
4320 minute winter	MH19	4.002	MH11	0.1	0.203	0.007	0.0026	
4320 minute winter	MH20	6.000	MH21	0.1	0.296	0.016	0.0041	
4320 minute winter	MH21	6.001	MH22	0.2	0.361	0.032	0.0052	
4320 minute winter	MH22	Flow through Pond	MH26	0.2	0.009	0.000	10.3237	
4320 minute winter	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
4320 minute winter	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
4320 minute winter	MH25	Flow through Pond	MH26	0.2	0.009	0.000	10.3237	
4320 minute winter	MH26	6.002	MH12	0.1	0.500	0.007	0.0007	

Results for 100 year +45% CC 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance:

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute summer	MH1	2520	29.700	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH2	2820	29.603	0.012	0.2	0.0000	0.0000	OK
5760 minute summer	MH3	3540	29.572	0.557	0.2	0.0000	0.0000	OK
5760 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
5760 minute summer	MH5	2640	29.630	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH6	3540	29.571	0.070	0.5	0.0112	0.0000	OK
5760 minute summer	MH7	3540	29.572	0.557	0.5	0.0000	0.0000	OK
5760 minute summer	MH8	2520	29.700	0.009	0.1	0.0000	0.0000	OK
5760 minute summer	MH9	3540	29.572	0.557	0.1	0.0000	0.0000	OK
5760 minute summer	MH10	3540	29.571	0.580	0.5	0.1642	0.0000	SURCHARGED
5760 minute summer	MH11	3540	28.868	0.018	0.3	0.0050	0.0000	OK
5760 minute summer	MH12	3420	28.764	0.004	0.4	0.0010	0.0000	OK
5760 minute summer	MH13	2520	29.609	0.009	0.1	0.0026	0.0000	OK
5760 minute summer	MH14	2520	29.469	0.009	0.1	0.0025	0.0000	OK
5760 minute summer	MH15	3420	29.368	0.232	0.1	0.0000	0.0000	OK
5760 minute summer	MH16	2760	29.613	0.013	0.2	0.0000	0.0000	OK
5760 minute summer	MH17	2760	29.499	0.009	0.2	0.0015	0.0000	OK
5760 minute summer	MH18	3420	29.368	0.232	0.2	0.0000	0.0000	OK
5760 minute summer	MH19	3420	29.367	0.247	0.2	0.0700	0.0000	SURCHARGED
5760 minute summer	MH20	2880	29.612	0.012	0.2	0.0000	0.0000	OK
5760 minute summer	MH21	2880	29.515	0.015	0.3	0.0024	0.0000	OK
5760 minute summer	MH22	3300	29.373	0.245	0.3	0.0000	0.0000	OK
5760 minute summer	MH23	2820	29.609	0.009	0.1	0.0014	0.0000	OK
5760 minute summer	MH24	2820	29.481	0.011	0.2	0.0017	0.0000	OK
5760 minute summer	MH25	3300	29.373	0.245	0.2	0.0000	0.0000	OK
5760 minute summer	MH26	3300	29.373	0.273	0.3	0.0771	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	MH1	1.000	MH2	0.1	0.295	0.016	0.0041	73.1
5760 minute summer	MH2	1.001	MH3	0.2	0.362	0.032	0.0451	
5760 minute summer	MH3	Flow through Pond	MH10	0.5	0.003	0.000	30.7977	
5760 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
5760 minute summer	MH5	2.001	MH6	0.1	0.183	0.017	0.0352	
5760 minute summer	MH6	2.002	MH7	0.5	0.445	0.028	0.0999	
5760 minute summer	MH7	Flow through Pond	MH10	0.5	0.003	0.000	30.7977	
5760 minute summer	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
5760 minute summer	MH9	Flow through Pond	MH10	0.5	0.003	0.000	30.7977	
5760 minute summer	MH10	1.002	MH11	0.2	0.213	0.013	0.0191	
5760 minute summer	MH11	1.003	MH12	0.3	0.542	0.020	0.0084	
5760 minute summer	MH12	Weir		0.4				
5760 minute summer	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
5760 minute summer	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
5760 minute summer	MH15	Flow through Pond	MH19	0.2	0.005	0.000	11.1630	
5760 minute summer	MH16	5.000	MH17	0.2	0.426	0.031	0.0045	
5760 minute summer	MH17	5.001	MH18	0.2	0.437	0.008	0.0025	
5760 minute summer	MH18	Flow through Pond	MH19	0.2	0.005	0.000	11.1630	
5760 minute summer	MH19	4.002	MH11	0.1	0.199	0.007	0.0026	
5760 minute summer	MH20	6.000	MH21	0.2	0.313	0.032	0.0059	
5760 minute summer	MH21	6.001	MH22	0.3	0.408	0.048	0.0070	
5760 minute summer	MH22	Flow through Pond	MH26	0.3	0.009	0.000	12.0369	
5760 minute summer	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
5760 minute summer	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
5760 minute summer	MH25	Flow through Pond	MH26	0.3	0.009	0.000	12.0369	
5760 minute summer	MH26	6.002	MH12	0.1	0.511	0.008	0.0007	

Results for 100 year +45% CC 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 9

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
5760 minute winter	MH1	2400	29.700	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	MH2	2400	29.600	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	MH3	3720	29.546	0.531	0.1	0.0000	0.0000	OK
5760 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH5	2700	29.630	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	MH6	3720	29.544	0.043	0.4	0.0069	0.0000	OK
5760 minute winter	MH7	3720	29.546	0.531	0.5	0.0000	0.0000	OK
5760 minute winter	MH8	2400	29.700	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	MH9	3720	29.546	0.531	0.1	0.0000	0.0000	OK
5760 minute winter	MH10	3720	29.545	0.554	0.4	0.1569	0.0000	SURCHARGED
5760 minute winter	MH11	3720	28.867	0.017	0.3	0.0049	0.0000	OK
5760 minute winter	MH12	3720	28.763	0.003	0.4	0.0010	0.0000	OK
5760 minute winter	MH13	2400	29.609	0.009	0.1	0.0026	0.0000	OK
5760 minute winter	MH14	2400	29.469	0.009	0.1	0.0025	0.0000	OK
5760 minute winter	MH15	4020	29.353	0.218	0.1	0.0000	0.0000	OK
5760 minute winter	MH16	1860	29.609	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	MH17	1860	29.497	0.007	0.1	0.0011	0.0000	OK
5760 minute winter	MH18	4020	29.354	0.218	0.1	0.0000	0.0000	OK
5760 minute winter	MH19	4020	29.353	0.233	0.1	0.0660	0.0000	SURCHARGED
5760 minute winter	MH20	2040	29.609	0.009	0.1	0.0000	0.0000	OK
5760 minute winter	MH21	2700	29.512	0.012	0.2	0.0020	0.0000	OK
5760 minute winter	MH22	3900	29.275	0.147	0.2	0.0000	0.0000	OK
5760 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
5760 minute winter	MH25	3900	29.275	0.147	0.0	0.0000	0.0000	OK
5760 minute winter	MH26	3900	29.275	0.175	0.1	0.0496	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	MH1	1.000	MH2	0.1	0.295	0.016	0.0032	72.0
5760 minute winter	MH2	1.001	MH3	0.1	0.294	0.016	0.0357	
5760 minute winter	MH3	Flow through Pond	MH10	0.4	0.003	0.000	29.3898	
5760 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
5760 minute winter	MH5	2.001	MH6	0.1	0.183	0.017	0.0195	
5760 minute winter	MH6	2.002	MH7	0.4	0.416	0.022	0.0772	
5760 minute winter	MH7	Flow through Pond	MH10	0.4	0.003	0.000	29.3898	
5760 minute winter	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
5760 minute winter	MH9	Flow through Pond	MH10	0.4	0.003	0.000	29.3898	
5760 minute winter	MH10	1.002	MH11	0.2	0.211	0.013	0.0188	
5760 minute winter	MH11	1.003	MH12	0.3	0.542	0.020	0.0083	
5760 minute winter	MH12	Weir		0.4				
5760 minute winter	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
5760 minute winter	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
5760 minute winter	MH15	Flow through Pond	MH19	0.1	0.005	0.000	10.5091	
5760 minute winter	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
5760 minute winter	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
5760 minute winter	MH18	Flow through Pond	MH19	0.1	0.005	0.000	10.5091	
5760 minute winter	MH19	4.002	MH11	0.1	0.197	0.007	0.0025	
5760 minute winter	MH20	6.000	MH21	0.1	0.296	0.016	0.0041	
5760 minute winter	MH21	6.001	MH22	0.2	0.361	0.032	0.0052	
5760 minute winter	MH22	Flow through Pond	MH26	0.1	0.009	0.000	7.4995	
5760 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
5760 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
5760 minute winter	MH25	Flow through Pond	MH26	0.1	0.009	0.000	7.4995	
5760 minute winter	MH26	6.002	MH12	0.1	0.477	0.006	0.0006	

Results for 100 year +45% CC 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance:

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute summer	MH1	3180	29.700	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH2	3600	29.603	0.012	0.2	0.0000	0.0000	OK
7200 minute summer	MH3	4320	29.567	0.552	0.2	0.0000	0.0000	OK
7200 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
7200 minute summer	MH5	3360	29.630	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH6	4320	29.566	0.065	0.5	0.0104	0.0000	OK
7200 minute summer	MH7	4320	29.567	0.552	0.5	0.0000	0.0000	OK
7200 minute summer	MH8	3180	29.700	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH9	4320	29.567	0.552	0.1	0.0000	0.0000	OK
7200 minute summer	MH10	4320	29.566	0.575	0.5	0.1628	0.0000	SURCHARGED
7200 minute summer	MH11	4320	28.868	0.018	0.3	0.0050	0.0000	OK
7200 minute summer	MH12	4320	28.764	0.004	0.4	0.0010	0.0000	OK
7200 minute summer	MH13	3180	29.609	0.009	0.1	0.0026	0.0000	OK
7200 minute summer	MH14	3180	29.469	0.009	0.1	0.0025	0.0000	OK
7200 minute summer	MH15	4200	29.373	0.238	0.1	0.0000	0.0000	OK
7200 minute summer	MH16	3540	29.613	0.013	0.2	0.0000	0.0000	OK
7200 minute summer	MH17	3540	29.499	0.009	0.2	0.0015	0.0000	OK
7200 minute summer	MH18	4200	29.373	0.238	0.2	0.0000	0.0000	OK
7200 minute summer	MH19	4200	29.373	0.253	0.2	0.0715	0.0000	SURCHARGED
7200 minute summer	MH20	2880	29.609	0.009	0.1	0.0000	0.0000	OK
7200 minute summer	MH21	3360	29.512	0.012	0.2	0.0020	0.0000	OK
7200 minute summer	MH22	4440	29.324	0.196	0.2	0.0000	0.0000	OK
7200 minute summer	MH23	3600	29.609	0.009	0.1	0.0014	0.0000	OK
7200 minute summer	MH24	3600	29.481	0.011	0.2	0.0017	0.0000	OK
7200 minute summer	MH25	4440	29.324	0.196	0.2	0.0000	0.0000	OK
7200 minute summer	MH26	4440	29.324	0.224	0.2	0.0635	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	MH1	1.000	MH2	0.1	0.295	0.016	0.0041	81.0
7200 minute summer	MH2	1.001	MH3	0.2	0.362	0.032	0.0441	
7200 minute summer	MH3	Flow through Pond	MH10	0.5	0.003	0.000	30.5351	
7200 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
7200 minute summer	MH5	2.001	MH6	0.1	0.183	0.017	0.0325	
7200 minute summer	MH6	2.002	MH7	0.5	0.445	0.028	0.0966	
7200 minute summer	MH7	Flow through Pond	MH10	0.5	0.003	0.000	30.5351	
7200 minute summer	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
7200 minute summer	MH9	Flow through Pond	MH10	0.5	0.003	0.000	30.5351	
7200 minute summer	MH10	1.002	MH11	0.2	0.212	0.013	0.0191	
7200 minute summer	MH11	1.003	MH12	0.3	0.544	0.020	0.0084	
7200 minute summer	MH12	Weir		0.4				
7200 minute summer	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
7200 minute summer	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
7200 minute summer	MH15	Flow through Pond	MH19	0.2	0.005	0.000	11.4120	
7200 minute summer	MH16	5.000	MH17	0.2	0.426	0.031	0.0045	
7200 minute summer	MH17	5.001	MH18	0.2	0.437	0.008	0.0025	
7200 minute summer	MH18	Flow through Pond	MH19	0.2	0.005	0.000	11.4120	
7200 minute summer	MH19	4.002	MH11	0.1	0.201	0.007	0.0026	
7200 minute summer	MH20	6.000	MH21	0.1	0.296	0.016	0.0041	
7200 minute summer	MH21	6.001	MH22	0.2	0.361	0.032	0.0052	
7200 minute summer	MH22	Flow through Pond	MH26	0.2	0.009	0.000	9.7873	
7200 minute summer	MH23	7.000	MH24	0.1	0.250	0.016	0.0050	
7200 minute summer	MH24	7.001	MH25	0.2	0.437	0.024	0.0017	
7200 minute summer	MH25	Flow through Pond	MH26	0.2	0.009	0.000	9.7873	
7200 minute summer	MH26	6.002	MH12	0.1	0.496	0.007	0.0007	

Results for 100 year +45% CC 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 9

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
7200 minute winter	MH1	3240	29.700	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	MH2	3240	29.600	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	MH3	4500	29.408	0.393	0.1	0.0000	0.0000	OK
7200 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH6	2820	29.512	0.011	0.2	0.0018	0.0000	OK
7200 minute winter	MH7	4500	29.408	0.393	0.2	0.0000	0.0000	OK
7200 minute winter	MH8	3240	29.700	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	MH9	4500	29.408	0.393	0.1	0.0000	0.0000	OK
7200 minute winter	MH10	4500	29.407	0.416	0.3	0.1178	0.0000	SURCHARGED
7200 minute winter	MH11	4500	28.867	0.017	0.3	0.0047	0.0000	OK
7200 minute winter	MH12	4560	28.763	0.003	0.3	0.0009	0.0000	OK
7200 minute winter	MH13	3240	29.609	0.009	0.1	0.0026	0.0000	OK
7200 minute winter	MH14	3240	29.469	0.009	0.1	0.0025	0.0000	OK
7200 minute winter	MH15	4920	29.340	0.204	0.1	0.0000	0.0000	OK
7200 minute winter	MH16	2400	29.609	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	MH17	2400	29.497	0.007	0.1	0.0011	0.0000	OK
7200 minute winter	MH18	4920	29.340	0.204	0.1	0.0000	0.0000	OK
7200 minute winter	MH19	4920	29.339	0.219	0.1	0.0621	0.0000	SURCHARGED
7200 minute winter	MH20	2640	29.609	0.009	0.1	0.0000	0.0000	OK
7200 minute winter	MH21	2640	29.509	0.009	0.1	0.0014	0.0000	OK
7200 minute winter	MH22	4680	29.230	0.102	0.1	0.0000	0.0000	OK
7200 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
7200 minute winter	MH25	4680	29.230	0.102	0.0	0.0000	0.0000	OK
7200 minute winter	MH26	4680	29.230	0.130	0.1	0.0367	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	MH1	1.000	MH2	0.1	0.295	0.016	0.0032	72.9
7200 minute winter	MH2	1.001	MH3	0.1	0.294	0.016	0.0039	
7200 minute winter	MH3	Flow through Pond	MH10	0.3	0.003	0.000	21.9144	
7200 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
7200 minute winter	MH5	2.001	MH6	0.0	0.000	0.000	0.0029	
7200 minute winter	MH6	2.002	MH7	0.2	0.337	0.011	0.0046	
7200 minute winter	MH7	Flow through Pond	MH10	0.3	0.003	0.000	21.9144	
7200 minute winter	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
7200 minute winter	MH9	Flow through Pond	MH10	0.3	0.003	0.000	21.9144	
7200 minute winter	MH10	1.002	MH11	0.2	0.198	0.011	0.0174	
7200 minute winter	MH11	1.003	MH12	0.3	0.528	0.018	0.0077	
7200 minute winter	MH12	Weir		0.3				
7200 minute winter	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
7200 minute winter	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
7200 minute winter	MH15	Flow through Pond	MH19	0.1	0.005	0.000	9.8588	
7200 minute winter	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
7200 minute winter	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
7200 minute winter	MH18	Flow through Pond	MH19	0.1	0.005	0.000	9.8588	
7200 minute winter	MH19	4.002	MH11	0.1	0.202	0.007	0.0024	
7200 minute winter	MH20	6.000	MH21	0.1	0.296	0.016	0.0031	
7200 minute winter	MH21	6.001	MH22	0.1	0.294	0.016	0.0032	
7200 minute winter	MH22	Flow through Pond	MH26	0.1	0.009	0.000	5.3821	
7200 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
7200 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
7200 minute winter	MH25	Flow through Pond	MH26	0.1	0.009	0.000	5.3821	
7200 minute winter	MH26	6.002	MH12	0.1	0.455	0.005	0.0005	

Results for 100 year +45% CC 8640 minute summer. 8880 minute analysis at 60 minute timestep. Mass balance:

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute summer	MH1	3900	29.700	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH2	3900	29.600	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH3	5100	29.520	0.506	0.1	0.0000	0.0000	OK
8640 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH5	4140	29.630	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH6	5040	29.521	0.020	0.4	0.0031	0.0000	OK
8640 minute summer	MH7	5100	29.520	0.506	0.4	0.0000	0.0000	OK
8640 minute summer	MH8	3900	29.700	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH9	5100	29.520	0.506	0.1	0.0000	0.0000	OK
8640 minute summer	MH10	5100	29.520	0.529	0.4	0.1496	0.0000	SURCHARGED
8640 minute summer	MH11	5100	28.867	0.017	0.3	0.0049	0.0000	OK
8640 minute summer	MH12	5100	28.763	0.003	0.4	0.0010	0.0000	OK
8640 minute summer	MH13	3900	29.609	0.009	0.1	0.0026	0.0000	OK
8640 minute summer	MH14	3900	29.469	0.009	0.1	0.0025	0.0000	OK
8640 minute summer	MH15	4920	29.363	0.228	0.1	0.0000	0.0000	OK
8640 minute summer	MH16	4320	29.613	0.013	0.2	0.0000	0.0000	OK
8640 minute summer	MH17	4320	29.499	0.009	0.2	0.0015	0.0000	OK
8640 minute summer	MH18	4920	29.363	0.228	0.2	0.0000	0.0000	OK
8640 minute summer	MH19	4920	29.363	0.243	0.2	0.0687	0.0000	SURCHARGED
8640 minute summer	MH20	3540	29.609	0.009	0.1	0.0000	0.0000	OK
8640 minute summer	MH21	4140	29.512	0.012	0.2	0.0020	0.0000	OK
8640 minute summer	MH22	5220	29.271	0.143	0.2	0.0000	0.0000	OK
8640 minute summer	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
8640 minute summer	MH25	5220	29.271	0.143	0.0	0.0000	0.0000	OK
8640 minute summer	MH26	5220	29.271	0.171	0.1	0.0483	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	MH1	1.000	MH2	0.1	0.295	0.016	0.0032	81.6
8640 minute summer	MH2	1.001	MH3	0.1	0.294	0.016	0.0216	
8640 minute summer	MH3	Flow through Pond	MH10	0.4	0.003	0.000	27.9974	
8640 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
8640 minute summer	MH5	2.001	MH6	0.1	0.183	0.017	0.0067	
8640 minute summer	MH6	2.002	MH7	0.4	0.416	0.022	0.0526	
8640 minute summer	MH7	Flow through Pond	MH10	0.4	0.003	0.000	27.9974	
8640 minute summer	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
8640 minute summer	MH9	Flow through Pond	MH10	0.4	0.003	0.000	27.9974	
8640 minute summer	MH10	1.002	MH11	0.2	0.208	0.013	0.0186	
8640 minute summer	MH11	1.003	MH12	0.3	0.540	0.020	0.0082	
8640 minute summer	MH12	Weir		0.4				
8640 minute summer	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
8640 minute summer	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
8640 minute summer	MH15	Flow through Pond	MH19	0.2	0.005	0.000	10.9568	
8640 minute summer	MH16	5.000	MH17	0.2	0.426	0.031	0.0045	
8640 minute summer	MH17	5.001	MH18	0.2	0.437	0.008	0.0025	
8640 minute summer	MH18	Flow through Pond	MH19	0.2	0.005	0.000	10.9568	
8640 minute summer	MH19	4.002	MH11	0.1	0.201	0.007	0.0025	
8640 minute summer	MH20	6.000	MH21	0.1	0.296	0.016	0.0041	
8640 minute summer	MH21	6.001	MH22	0.2	0.361	0.032	0.0052	
8640 minute summer	MH22	Flow through Pond	MH26	0.1	0.009	0.000	7.2889	
8640 minute summer	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
8640 minute summer	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
8640 minute summer	MH25	Flow through Pond	MH26	0.1	0.009	0.000	7.2889	
8640 minute summer	MH26	6.002	MH12	0.1	0.475	0.006	0.0006	

Results for 100 year +45% CC 8640 minute winter. 8880 minute analysis at 60 minute timestep. Mass balance: 9

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
8640 minute winter	MH1	4200	29.700	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	MH2	4200	29.600	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	MH3	5280	29.330	0.316	0.1	0.0000	0.0000	OK
8640 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH6	3540	29.512	0.011	0.2	0.0018	0.0000	OK
8640 minute winter	MH7	5280	29.330	0.316	0.2	0.0000	0.0000	OK
8640 minute winter	MH8	4200	29.700	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	MH9	5280	29.330	0.316	0.1	0.0000	0.0000	OK
8640 minute winter	MH10	5280	29.330	0.339	0.3	0.0959	0.0000	SURCHARGED
8640 minute winter	MH11	5280	28.866	0.016	0.2	0.0045	0.0000	OK
8640 minute winter	MH12	5460	28.763	0.003	0.3	0.0009	0.0000	OK
8640 minute winter	MH13	4200	29.609	0.009	0.1	0.0026	0.0000	OK
8640 minute winter	MH14	4200	29.469	0.009	0.1	0.0025	0.0000	OK
8640 minute winter	MH15	5700	29.302	0.167	0.1	0.0000	0.0000	OK
8640 minute winter	MH16	3060	29.609	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	MH17	3060	29.497	0.007	0.1	0.0011	0.0000	OK
8640 minute winter	MH18	5700	29.303	0.167	0.1	0.0000	0.0000	OK
8640 minute winter	MH19	5700	29.302	0.182	0.1	0.0516	0.0000	SURCHARGED
8640 minute winter	MH20	3300	29.609	0.009	0.1	0.0000	0.0000	OK
8640 minute winter	MH21	3300	29.509	0.009	0.1	0.0014	0.0000	OK
8640 minute winter	MH22	5460	29.234	0.105	0.1	0.0000	0.0000	OK
8640 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
8640 minute winter	MH25	5460	29.234	0.105	0.0	0.0000	0.0000	OK
8640 minute winter	MH26	5460	29.233	0.133	0.1	0.0378	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	MH1	1.000	MH2	0.1	0.295	0.016	0.0032	
8640 minute winter	MH2	1.001	MH3	0.1	0.294	0.016	0.0039	
8640 minute winter	MH3	Flow through Pond	MH10	0.3	0.003	0.000	17.7223	
8640 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
8640 minute winter	MH5	2.001	MH6	0.0	0.000	0.000	0.0029	
8640 minute winter	MH6	2.002	MH7	0.2	0.337	0.011	0.0046	
8640 minute winter	MH7	Flow through Pond	MH10	0.3	0.003	0.000	17.7223	
8640 minute winter	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
8640 minute winter	MH9	Flow through Pond	MH10	0.3	0.003	0.000	17.7223	
8640 minute winter	MH10	1.002	MH11	0.1	0.192	0.010	0.0161	
8640 minute winter	MH11	1.003	MH12	0.2	0.511	0.016	0.0071	
8640 minute winter	MH12	Weir		0.3				73.0
8640 minute winter	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
8640 minute winter	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
8640 minute winter	MH15	Flow through Pond	MH19	0.1	0.005	0.000	8.1351	
8640 minute winter	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
8640 minute winter	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
8640 minute winter	MH18	Flow through Pond	MH19	0.1	0.005	0.000	8.1351	
8640 minute winter	MH19	4.002	MH11	0.1	0.198	0.006	0.0022	
8640 minute winter	MH20	6.000	MH21	0.1	0.296	0.016	0.0031	
8640 minute winter	MH21	6.001	MH22	0.1	0.294	0.016	0.0032	
8640 minute winter	MH22	Flow through Pond	MH26	0.1	0.009	0.000	5.5596	
8640 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
8640 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
8640 minute winter	MH25	Flow through Pond	MH26	0.1	0.009	0.000	5.5596	
8640 minute winter	MH26	6.002	MH12	0.1	0.457	0.005	0.0006	

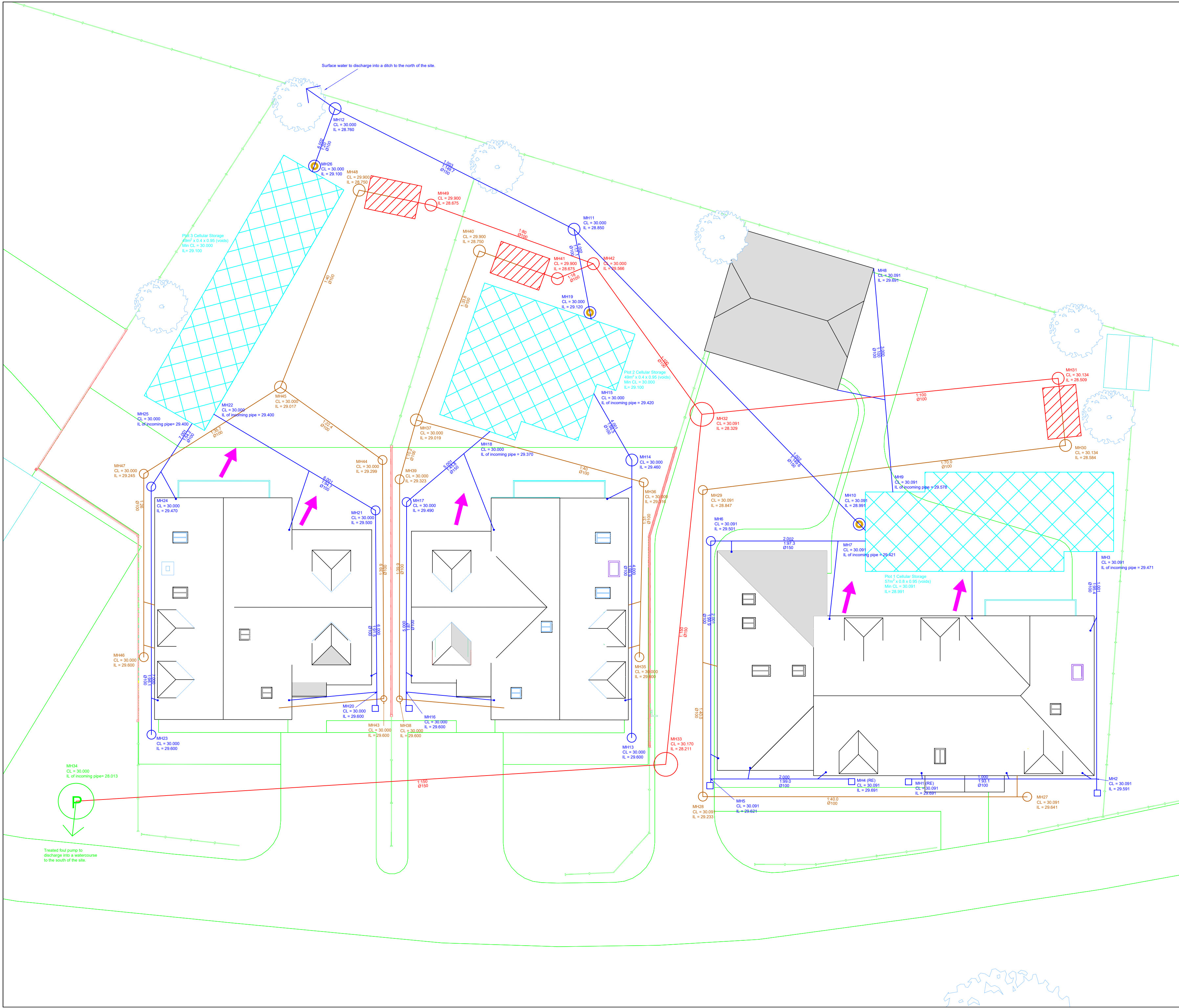
Results for 100 year +45% CC 10080 minute summer. 10320 minute analysis at 60 minute timestep. Mass balance

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute summer	MH1	4680	29.700	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH2	4680	29.600	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH3	5820	29.480	0.466	0.1	0.0000	0.0000	OK
10080 minute summer	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH5	4920	29.630	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH6	4920	29.517	0.016	0.4	0.0025	0.0000	OK
10080 minute summer	MH7	5820	29.480	0.466	0.4	0.0000	0.0000	OK
10080 minute summer	MH8	4680	29.700	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH9	5820	29.480	0.466	0.1	0.0000	0.0000	OK
10080 minute summer	MH10	5820	29.480	0.489	0.5	0.1383	0.0000	SURCHARGED
10080 minute summer	MH11	5820	28.867	0.017	0.3	0.0048	0.0000	OK
10080 minute summer	MH12	5880	28.763	0.003	0.4	0.0009	0.0000	OK
10080 minute summer	MH13	4680	29.609	0.009	0.1	0.0026	0.0000	OK
10080 minute summer	MH14	4680	29.469	0.009	0.1	0.0025	0.0000	OK
10080 minute summer	MH15	6240	29.335	0.200	0.1	0.0000	0.0000	OK
10080 minute summer	MH16	3960	29.609	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH17	3960	29.497	0.007	0.1	0.0011	0.0000	OK
10080 minute summer	MH18	6240	29.335	0.200	0.1	0.0000	0.0000	OK
10080 minute summer	MH19	6240	29.335	0.215	0.1	0.0607	0.0000	SURCHARGED
10080 minute summer	MH20	4200	29.609	0.009	0.1	0.0000	0.0000	OK
10080 minute summer	MH21	4920	29.512	0.012	0.2	0.0020	0.0000	OK
10080 minute summer	MH22	6000	29.263	0.135	0.2	0.0000	0.0000	OK
10080 minute summer	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
10080 minute summer	MH25	6000	29.263	0.135	0.0	0.0000	0.0000	OK
10080 minute summer	MH26	6000	29.263	0.163	0.1	0.0462	0.0000	SURCHARGED
Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	MH1	1.000	MH2	0.1	0.295	0.016	0.0032	82.8
10080 minute summer	MH2	1.001	MH3	0.1	0.294	0.016	0.0039	
10080 minute summer	MH3	Flow through Pond	MH10	0.5	0.003	0.000	25.8468	
10080 minute summer	MH4	2.000	MH5	0.0	0.000	0.000	0.0012	
10080 minute summer	MH5	2.001	MH6	0.1	0.182	0.017	0.0067	
10080 minute summer	MH6	2.002	MH7	0.4	0.416	0.022	0.0271	
10080 minute summer	MH7	Flow through Pond	MH10	0.5	0.003	0.000	25.8468	
10080 minute summer	MH8	3.000	MH9	0.1	0.289	0.017	0.0039	
10080 minute summer	MH9	Flow through Pond	MH10	0.5	0.003	0.000	25.8468	
10080 minute summer	MH10	1.002	MH11	0.2	0.206	0.012	0.0181	
10080 minute summer	MH11	1.003	MH12	0.3	0.534	0.019	0.0079	
10080 minute summer	MH12	Weir		0.4				
10080 minute summer	MH13	4.000	MH14	0.1	0.288	0.017	0.0049	
10080 minute summer	MH14	4.001	MH15	0.1	0.291	0.016	0.0013	
10080 minute summer	MH15	Flow through Pond	MH19	0.1	0.005	0.000	9.6417	
10080 minute summer	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
10080 minute summer	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
10080 minute summer	MH18	Flow through Pond	MH19	0.1	0.005	0.000	9.6417	
10080 minute summer	MH19	4.002	MH11	0.1	0.196	0.006	0.0024	
10080 minute summer	MH20	6.000	MH21	0.1	0.296	0.016	0.0041	
10080 minute summer	MH21	6.001	MH22	0.2	0.361	0.032	0.0052	
10080 minute summer	MH22	Flow through Pond	MH26	0.1	0.009	0.000	6.9493	
10080 minute summer	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
10080 minute summer	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
10080 minute summer	MH25	Flow through Pond	MH26	0.1	0.009	0.000	6.9493	
10080 minute summer	MH26	6.002	MH12	0.1	0.472	0.006	0.0006	

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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
10080 minute winter	MH1	60	29.691	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH2	60	29.591	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH3	5940	29.249	0.234	0.1	0.0000	0.0000	OK
10080 minute winter	MH4	60	29.691	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH5	60	29.621	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH6	4320	29.512	0.011	0.2	0.0018	0.0000	OK
10080 minute winter	MH7	5940	29.249	0.234	0.2	0.0000	0.0000	OK
10080 minute winter	MH8	60	29.691	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH9	5940	29.249	0.234	0.1	0.0000	0.0000	OK
10080 minute winter	MH10	5940	29.248	0.257	0.2	0.0728	0.0000	SURCHARGED
10080 minute winter	MH11	6540	28.865	0.015	0.2	0.0042	0.0000	OK
10080 minute winter	MH12	6240	28.763	0.003	0.3	0.0008	0.0000	OK
10080 minute winter	MH13	60	29.600	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH14	60	29.460	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH15	6540	29.272	0.136	0.1	0.0000	0.0000	OK
10080 minute winter	MH16	3660	29.609	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	MH17	3660	29.497	0.007	0.1	0.0011	0.0000	OK
10080 minute winter	MH18	6540	29.272	0.136	0.1	0.0000	0.0000	OK
10080 minute winter	MH19	6540	29.271	0.151	0.1	0.0428	0.0000	SURCHARGED
10080 minute winter	MH20	3960	29.609	0.009	0.1	0.0000	0.0000	OK
10080 minute winter	MH21	3960	29.509	0.009	0.1	0.0014	0.0000	OK
10080 minute winter	MH22	6240	29.237	0.109	0.1	0.0000	0.0000	OK
10080 minute winter	MH23	60	29.600	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH24	60	29.470	0.000	0.0	0.0000	0.0000	OK
10080 minute winter	MH25	6240	29.237	0.109	0.0	0.0000	0.0000	OK
10080 minute winter	MH26	6240	29.237	0.137	0.1	0.0388	0.0000	SURCHARGED

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	MH1	1.000	MH2	0.0	0.000	0.000	0.0000	
10080 minute winter	MH2	1.001	MH3	0.0	0.000	0.000	0.0000	
10080 minute winter	MH3	Flow through Pond	MH10	0.2	0.003	0.000	13.3118	
10080 minute winter	MH4	2.000	MH5	0.0	0.000	0.000	0.0000	
10080 minute winter	MH5	2.001	MH6	0.0	0.000	0.000	0.0029	
10080 minute winter	MH6	2.002	MH7	0.2	0.337	0.011	0.0046	
10080 minute winter	MH7	Flow through Pond	MH10	0.2	0.003	0.000	13.3118	
10080 minute winter	MH8	3.000	MH9	0.0	0.000	0.000	0.0000	
10080 minute winter	MH9	Flow through Pond	MH10	0.2	0.003	0.000	13.3118	
10080 minute winter	MH10	1.002	MH11	0.1	0.184	0.009	0.0146	
10080 minute winter	MH11	1.003	MH12	0.2	0.490	0.014	0.0065	
10080 minute winter	MH12	Weir		0.3				71.6
10080 minute winter	MH13	4.000	MH14	0.0	0.000	0.000	0.0000	
10080 minute winter	MH14	4.001	MH15	0.0	0.000	0.000	0.0000	
10080 minute winter	MH15	Flow through Pond	MH19	0.1	0.005	0.000	6.6933	
10080 minute winter	MH16	5.000	MH17	0.1	0.344	0.015	0.0028	
10080 minute winter	MH17	5.001	MH18	0.1	0.356	0.004	0.0015	
10080 minute winter	MH18	Flow through Pond	MH19	0.1	0.005	0.000	6.6933	
10080 minute winter	MH19	4.002	MH11	0.1	0.195	0.005	0.0020	
10080 minute winter	MH20	6.000	MH21	0.1	0.296	0.016	0.0031	
10080 minute winter	MH21	6.001	MH22	0.1	0.294	0.016	0.0032	
10080 minute winter	MH22	Flow through Pond	MH26	0.1	0.009	0.000	5.7297	
10080 minute winter	MH23	7.000	MH24	0.0	0.000	0.000	0.0000	
10080 minute winter	MH24	7.001	MH25	0.0	0.000	0.000	0.0000	
10080 minute winter	MH25	Flow through Pond	MH26	0.1	0.009	0.000	5.7297	
10080 minute winter	MH26	6.002	MH12	0.1	0.459	0.006	0.0006	



- Notes:**
1. Discharge of surface water via cellular storage attenuation. Preliminary calculations indicate that sufficient storage required to attenuate runoff arising from the proposed impermeable areas, during the critical 1 in 100 year + 45% Climate Change event, can be provided within cellular storage of dimensions 57m² x 0.8m deep x 0.95 (voids), 49m² x 0.4m deep x 0.95 (voids) and 49m² x 0.4m deep x 0.95 (voids).
 2. All levels are arbitrary.
 3. Locations and depths of all drainage infrastructure will be confirmed at the detailed design stage.
 4. The location of the discharges to the watercourses will be confirmed at the detailed design stage.

- Legend**
- Proposed Cellular Storage Attenuation
 - Proposed Surface Water Pipework
 - Proposed Surface Water Manhole
 - Proposed Orifice Plate
 - Design Exceedance Route
 - Proposed Sewage Treatment Plant
 - Proposed Foul Water Pipework
 - Proposed Foul Water Manhole
 - Proposed Treated Foul Water Pipework
 - Proposed Treated Foul Water Manhole
 - Proposed Foul Pump


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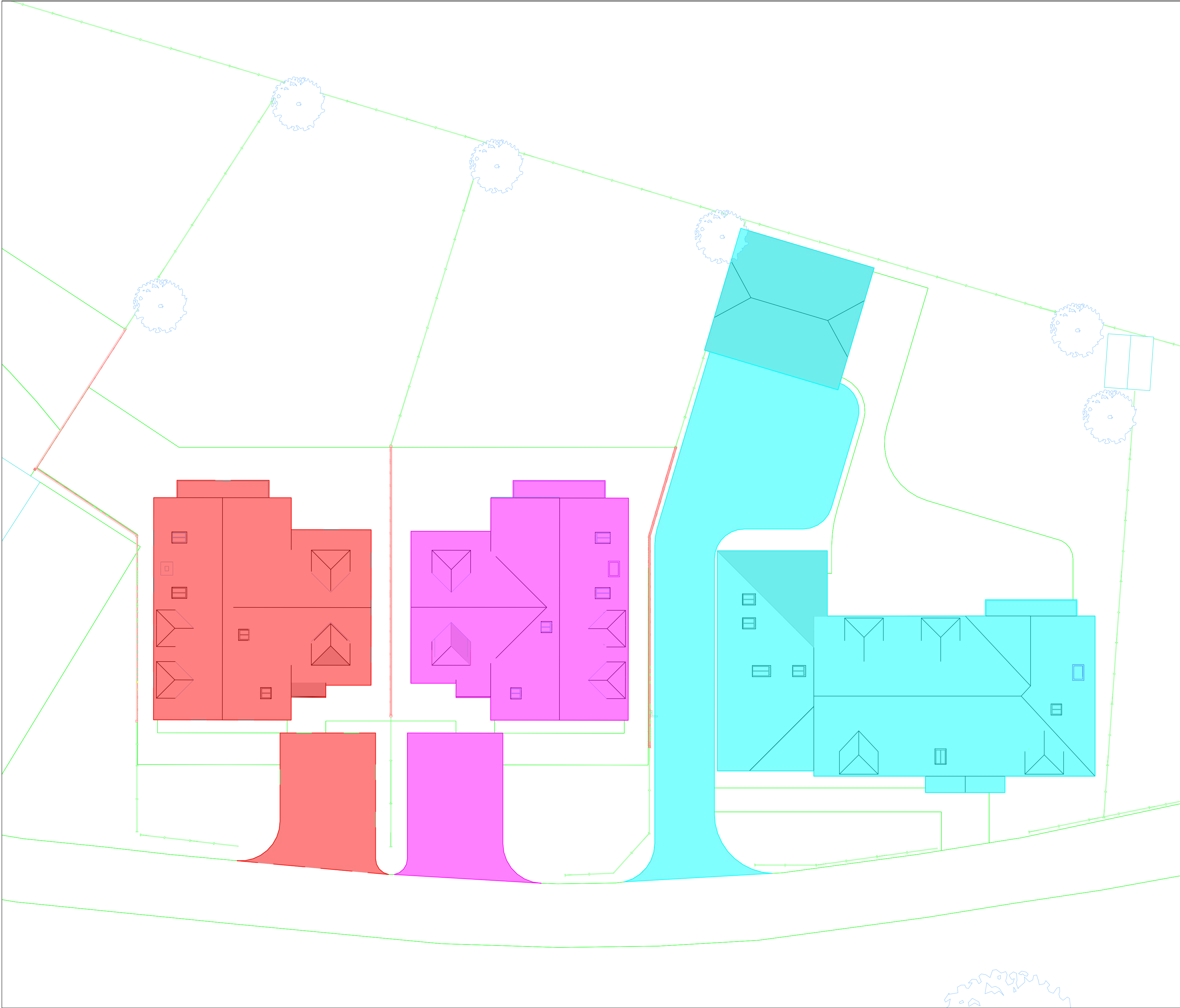
Client:
Jolliff Developments NTS LTD

Site Address:
Crays Barn, Crays Lane
Goose Green
Pulborough
West Sussex
RH20 2LR

Job Reference: 97708-Jolliff-CraysBrn	Date: 8-Sep-26
Drawing Number: 97708-01	Revision: v2.0

Designed by: AR	Drawn by: AR	Checked by: EW
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Scale: 1:125@A2	Disclaimer: The drawings provided are for planning purposes only.
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Notes:

Legend

- Plot 1 Cellular Storage Catchment
- Plot 2 Cellular Storage Catchment
- Plot 3 Cellular Storage Catchment



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Drawing Number: 97708-02	Revision: v2.0
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Designed by: AR	Drawn by: AR	Checked by: EW
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Scale: 1:125@A2	Disclaimer: The drawings provided are for planning purposes only.
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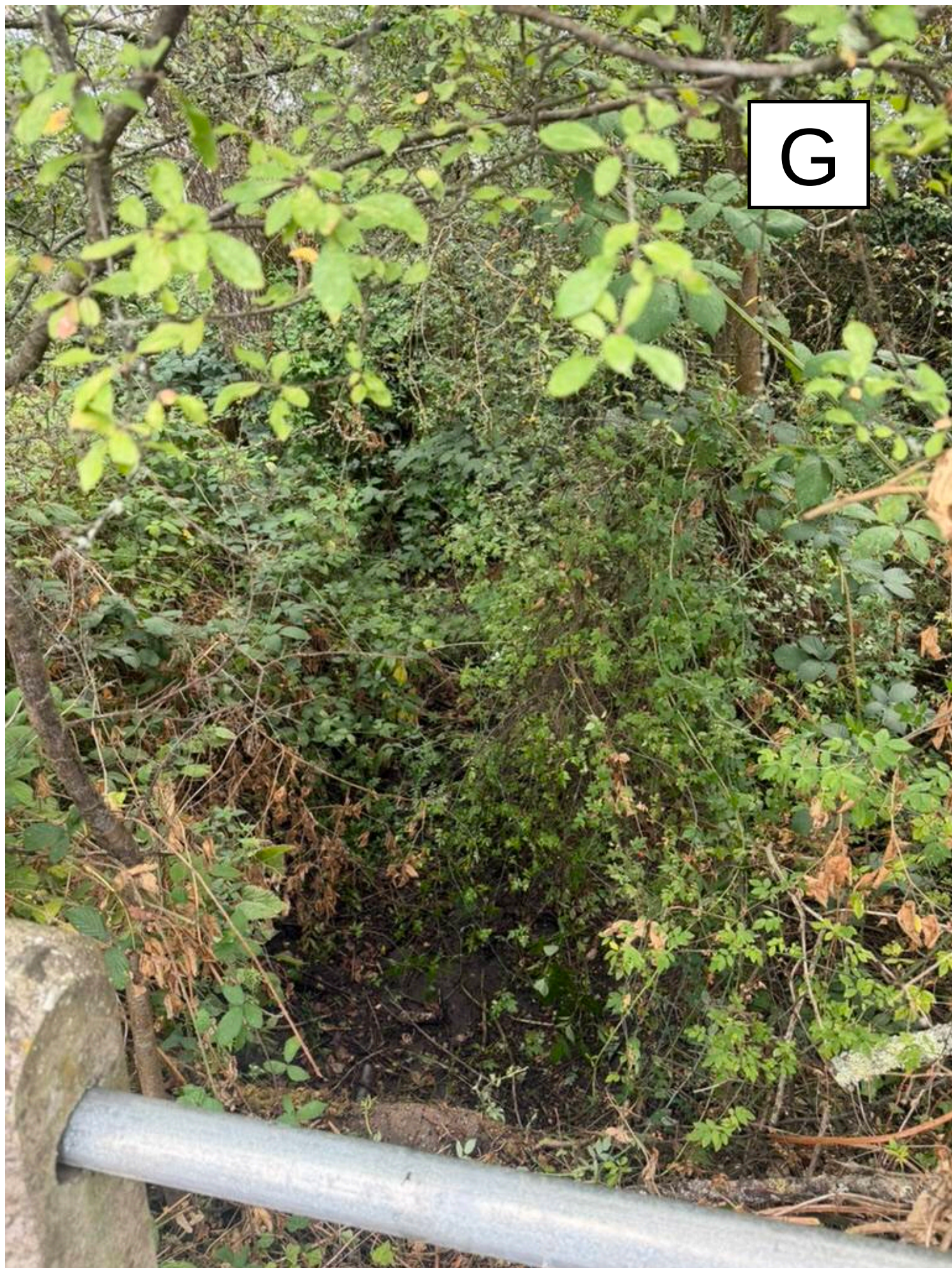


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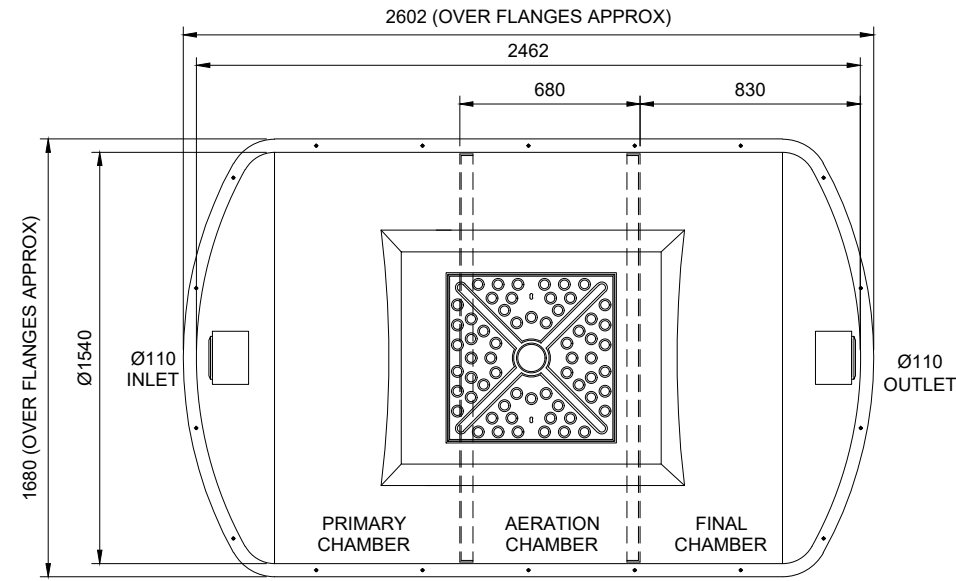




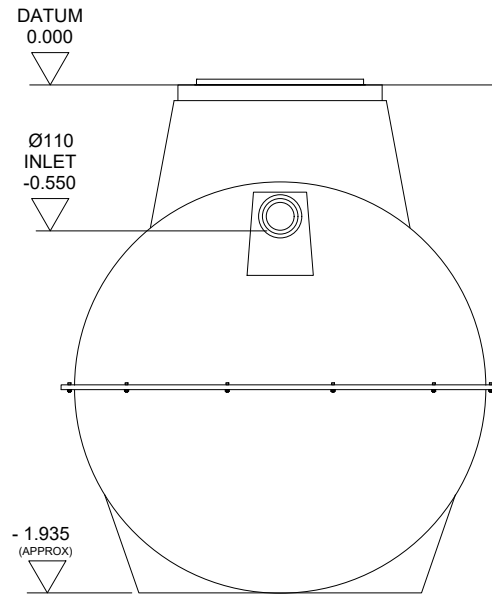


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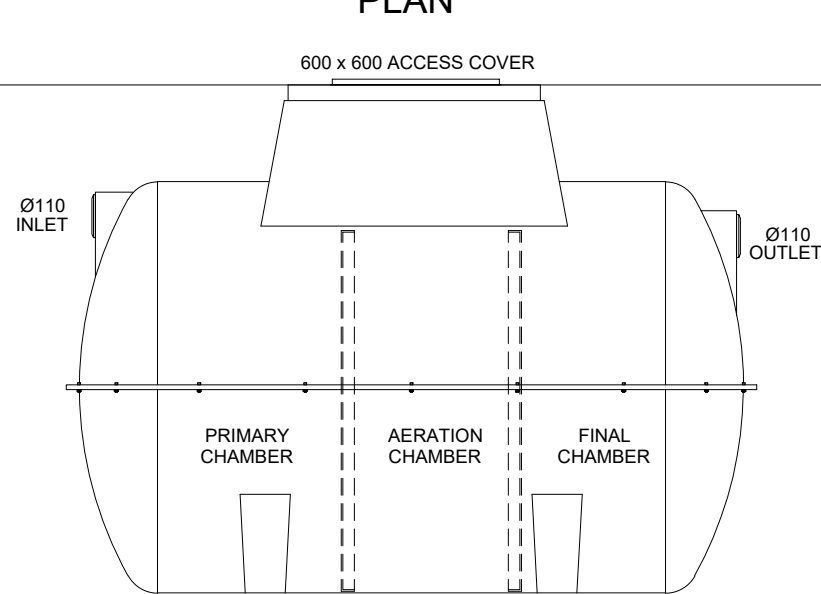
GENERAL NOTE:
All tanks are subject to a 2.5% tolerance on all dimensions.
Any internals (if shown) are for guidance only, and may vary due to individual specifications.



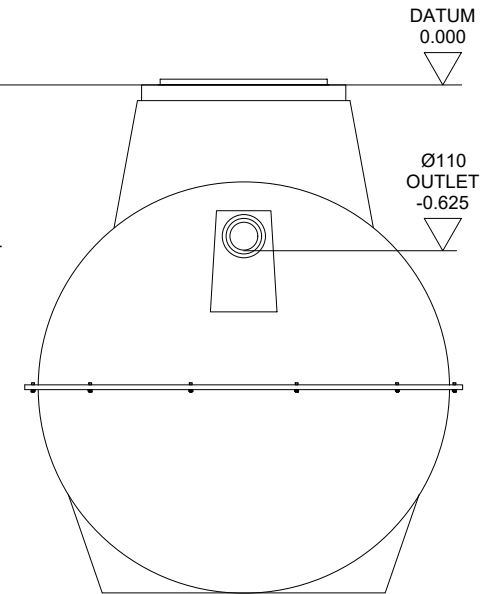
PLAN



VIEW ON INLET



SIDE ELEVATION



VIEW ON OUTLET

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A