Design Settings

Rainfall Methodology	FEH-13	Minimum Velocity (m/s)	1.00
Return Period (years)	30	Connection Type	Level Soffits
Additional Flow (%)	0	Minimum Backdrop Height (m)	0.200
CV	1.000	Preferred Cover Depth (m)	0.900
Time of Entry (mins)	5.00	Include Intermediate Ground	✓
Maximum Time of Concentration (mins)	30.00	Enforce best practice design rules	x
Maximum Rainfall (mm/hr)	50.0		

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Easting (m)	Northing (m)	Depth (m)
SW1 5 [MH]	0.059	5.00	3.508	525030.507	323106.744	0.700
Play Area Subbase 2	0.026	5.00	3.291	525011.829	323108.730	0.383
Informal Outdoor Games Area	0.148	5.00	3.340	525014.011	323099.256	0.485
SW1 7 [MH]	0.000	5.00	3.450	525008.366	323111.785	0.732
SW1 10 [Catchpit IC]	0.096	5.00	3.563	524978.520	323081.128	0.685
Coach Drop Subbase 2	0.103	5.00	3.400	524967.861	323096.596	0.499
Play Area 1	0.059	5.00	3.233	524976.712	323093.591	0.410
SW1 13 [MH]	0.025	5.00	3.443	524970.791	323103.462	0.744
SW1 12 [IC]	0.000	5.00	3.401	524961.354	323106.514	0.582
SW1 6	0.028	5.00	3.587	525012.369	323103.053	0.732
SW1 8 [MH]	0.107	5.00	3.365	524981.859	323123.323	0.916
Swale 1	0.040	5.00	3.200	524998.163	323174.563	0.558
SW1 15 [MH]	0.122	5.00	3.283	525008.379	323171.721	0.936
Carpark 1		5.00	3.400	524977.829	323078.749	0.490
Permavoid	0.178	5.00	3.260	525015.622	323182.156	0.957
Pond	0.040	5.00	3.320	525051.875	323201.720	1.031
SW1 16 [MH]			3.325	525054.880	323205.841	1.062
Coach Drop Subbase 1	0.103	5.00	3.200	524960.624	323106.132	0.376
SW1 14	0.017	5.00	3.354	524990.723	323140.298	0.959

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)
5.000_1	SW1 5 [MH]	SW1 7 [MH]	21.967	0.600	2.808	2.718	0.090	244.1	300	5.37	50.0
3.000	Informal Outdoor Games Area	SW1 7 [MH]	13.471	0.600	2.855	2.793	0.062	217.3	225	5.25	50.0
4.000	Play Area Subbase 2	SW1 7 [MH]	2.411	0.600	2.908	2.868	0.040	60.3	150	5.03	50.0
5.001_1	SW1 7 [MH]	SW1 8 [MH]	29.199	0.600	2.718	2.599	0.119	245.4	300	5.85	50.0
5.000	SW1 10 [Catchpit IC]	SW1 13 [MH]	23.435	0.600	2.878	2.774	0.104	225.3	150	5.67	50.0
7.000	Coach Drop Subbase 1	SW1 12 [IC]	1.000	0.600	2.824	2.819	0.005	200.0	225	5.02	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)
5.000_1	1.002	70.8	10.7	0.400	0.432	0.059	0.0	78	0.726
3.000	0.883	35.1	26.7	0.260	0.432	0.148	0.0	147	0.969
4.000	1.298	22.9	4.7	0.233	0.432	0.026	0.0	46	1.023
5.001_1	0.999	70.6	47.2	0.432	0.466	0.261	0.0	180	1.068
5.000	0.665	11.8	17.3	0.535	0.519	0.096	0.0	150	0.678
7.000	0.921	36.6	18.6	0.151	0.357	0.103	0.0	114	0.925

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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)
7.001	SW1 12 [IC]	SW1 13 [MH]	10.114	0.600	2.819	2.774	0.045	224.8	225	5.21	50.0
6.000	Coach Drop Subbase 2	SW1 13 [MH]	7.863	0.600	2.901	2.849	0.052	151.2	150	5.16	50.0
8.000	Play Area 1	SW1 13 [MH]	11.087	0.600	2.823	2.774	0.049	226.3	225	5.21	50.0
5.001	SW1 13 [MH]	SW1 8 [MH]	26.934	0.600	2.699	2.599	0.100	269.3	300	6.14	50.0
1.003	SW1 8 [MH]	SW1 15 [MH]	20.299	0.600	2.449	2.395	0.054	375.9	450	6.46	50.0
9.000	Swale 1	SW1 15 [MH]	3.848	0.600	2.642	2.572	0.070	55.0	225	5.04	50.0
1.004	SW1 15 [MH]	Permavoid	5.183	0.600	2.347	2.310	0.037	140.1	450	6.51	50.0
1.000	Carpark 1	SW1 10 [Catchpit IC]	2.477	0.600	2.910	2.899	0.011	225.2	100	5.08	50.0
Permavoid	Permavoid	Pond	41.195	0.025	2.303	2.289	0.014	2942.5	30700	8.62	50.0
1.011	Pond	SW1 16 [MH]	5.100	0.025	2.289	2.263	0.026	196.2	150	8.88	50.0
7.000_1	SW1 6	SW1 7 [MH]	13.471	0.600	2.855	2.793	0.062	217.3	225	5.25	50.0
1.0071	SW1 14	SW1 15 [MH]	21.259	0.600	2.395	2.348	0.047	452.3	450	5.37	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)
7.001	0.868	34.5	18.6	0.357	0.444	0.103	0.0	117	0.883
6.000	0.815	14.4	18.6	0.349	0.444	0.103	0.0	150	0.830
8.000	0.865	34.4	10.7	0.185	0.444	0.059	0.0	86	0.764
5.001	0.953	67.4	69.8	0.444	0.466	0.386	0.0	259	1.076
1.003	1.042	165.8	136.2	0.466	0.438	0.754	0.0	312	1.158
9.000	1.767	70.3	7.2	0.333	0.486	0.040	0.0	49	1.152
1.004	1.715	272.8	168.6	0.486	0.500	0.933	0.0	256	1.801
1.000	0.508	4.0	0.0	0.390	0.564	0.000	0.0	0	0.000
Permavoid	0.326	6009.0	200.8	0.357	0.431	1.111	0.0	59	0.111
1.011	0.320	5.7	208.0	0.881	0.912	1.151	0.0	150	0.326
7.000_1	0.883	35.1	5.1	0.507	0.432	0.028	0.0	58	0.631
1.0071	0.949	151.0	3.1	0.509	0.485	0.017	0.0	44	0.385

Simulation Settings

Rainfall Methodology	FEH-13	Skip Steady State	x	Check Discharge Rate(s)	x
Rainfall Events	Singular	Drain Down Time (mins)	240	Check Discharge Volume	x
Summer CV	1.000	Additional Storage (m³/ha)	20.0		
Analysis Speed	Detailed	Starting Level (m)			

Storm Durations

30 | 60 | 120 | 180 | 240 | 360 | 480 | 600 | 720 | 960 | 1440 | 2160 | 2880

Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
1	0	0	0
10	0	0	0
30	0	0	0
100	0	0	0
100	25	0	0

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Node SW1 16 [MH] Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	x	Sump Available	✓
Invert Level (m)	2.263	Product Number	CTL-SHE-0061-1600-0937-1600
Design Depth (m)	0.937	Min Outlet Diameter (m)	0.075
Design Flow (l/s)	1.6	Min Node Diameter (mm)	0

Node SW1 10 [Catchpit IC] Online Weir Control

Flap Valve	x	Design Depth (m)	0.250	Discharge Coefficient	0.590
Replaces Downstream Link	✓	Design Flow (l/s)	30.0		
Invert Level (m)	3.250	Width (m)	0.130		

Node SW1 10 [Catchpit IC] Online Orifice Control

Flap Valve	x	Design Depth (m)	0.580	Discharge Coefficient	0.600
Replaces Downstream Link	✓	Design Flow (l/s)	0.5		
Invert Level (m)	2.878	Diameter (m)	0.017		

Node Coach Drop Subbase 2 Online Weir Control

Flap Valve	x	Design Depth (m)	0.617	Discharge Coefficient	0.590
Replaces Downstream Link	✓	Design Flow (l/s)	110.0		
Invert Level (m)	3.250	Width (m)	0.123		

Node Coach Drop Subbase 2 Online Orifice Control

Flap Valve	x	Design Depth (m)	0.617	Discharge Coefficient	0.600
Replaces Downstream Link	✓	Design Flow (l/s)	0.7		
Invert Level (m)	2.901	Diameter (m)	0.020		

Node Informal Outdoor Games Area Online Weir Control

Flap Valve	x	Design Depth (m)	0.275	Discharge Coefficient	0.590
Replaces Downstream Link	✓	Design Flow (l/s)	50.0		
Invert Level (m)	3.200	Width (m)	0.188		

Node Informal Outdoor Games Area Online Orifice Control

Flap Valve	x	Design Depth (m)	0.575	Discharge Coefficient	0.600
Replaces Downstream Link	✓	Design Flow (l/s)	1.5		
Invert Level (m)	2.855	Diameter (m)	0.031		

Node Play Area 1 Online Orifice Control

Flap Valve	x	Design Depth (m)	0.550	Discharge Coefficient	0.600
Replaces Downstream Link	✓	Design Flow (l/s)	0.4		
Invert Level (m)	2.823	Diameter (m)	0.016		

Node Play Area 1 Online Weir Control

Flap Valve	x	Design Depth (m)	0.299	Discharge Coefficient	0.590
Replaces Downstream Link	✓	Design Flow (l/s)	30.0		
Invert Level (m)	3.000	Width (m)	0.099		

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Node SW1 12 [IC] Online Orifice Control

Flap Valve	x	Design Depth (m)	0.645	Discharge Coefficient	0.600
Replaces Downstream Link	✓	Design Flow (l/s)	0.7		
Invert Level (m)	2.819	Diameter (m)	0.020		

Node SW1 12 [IC] Online Weir Control

Flap Valve	x	Design Depth (m)	0.495	Discharge Coefficient	0.590
Replaces Downstream Link	✓	Design Flow (l/s)	90.0		
Invert Level (m)	2.920	Width (m)	0.140		

Node Play Area Subbase 2 Online Orifice Control

Flap Valve	x	Design Depth (m)	0.500	Discharge Coefficient	0.600
Replaces Downstream Link	x	Design Flow (l/s)	0.2		
Invert Level (m)	2.908	Diameter (m)	0.011		

Node Play Area Subbase 2 Online Weir Control

Flap Valve	x	Design Depth (m)	0.500	Discharge Coefficient	0.590
Replaces Downstream Link	✓	Design Flow (l/s)	20.0		
Invert Level (m)	3.150	Width (m)	0.031		

Node Coach Drop Subbase 2 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	2.901	Slope (1:X)	999.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)		Depth (m)	0.300
Safety Factor	2.0	Width (m)	20.000	Inf Depth (m)	
Porosity	0.30	Length (m)	35.600		

Node Informal Outdoor Games Area Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	2.970	Slope (1:X)	999.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)		Depth (m)	0.300
Safety Factor	2.0	Width (m)	30.000	Inf Depth (m)	
Porosity	0.30	Length (m)	40.800		

Node Play Area Subbase 2 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	2.908	Slope (1:X)	999.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)		Depth (m)	0.300
Safety Factor	2.0	Width (m)	10.000	Inf Depth (m)	
Porosity	0.30	Length (m)	18.300		

Node Coach Drop Subbase 1 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	2.824	Slope (1:X)	999.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)		Depth (m)	0.300
Safety Factor	2.0	Width (m)	20.000	Inf Depth (m)	
Porosity	0.30	Length (m)	35.600		

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Node Carpark 1 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	2.910	Slope (1:X)	999.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)		Depth (m)	0.300
Safety Factor	2.0	Width (m)	25.000	Inf Depth (m)	
Porosity	0.30	Length (m)	41.000		

Node Play Area 1 Carpark Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Invert Level (m)	2.844	Slope (1:X)	999.0
Side Inf Coefficient (m/hr)	0.00000	Time to half empty (mins)		Depth (m)	0.300
Safety Factor	2.0	Width (m)	20.000	Inf Depth (m)	
Porosity	0.30	Length (m)	29.200		

Node Pond Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	2.289
Side Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Time to half empty (mins)	

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	251.7	0.0	0.600	404.3	0.0	0.601	0.0	0.0

Node Swale 1 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	2.642
Side Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Time to half empty (mins)	

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	281.0	0.0	0.558	281.0	0.0	0.559	1.0	0.0

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Results for 1 year Critical Storm Duration. Lowest mass balance: 99.76%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SW1 5 [MH]	18	2.867	0.059	6.1	0.0992	0.0000	OK
600 minute summer	Play Area Subbase 2	600	3.000	0.092	0.6	4.6016	0.0000	OK
240 minute summer	Informal Outdoor Games Area	196	3.028	0.173	6.4	14.9031	0.0000	OK
30 minute summer	SW1 7 [MH]	18	2.792	0.074	9.7	0.0000	0.0000	OK
30 minute summer	SW1 10 [Catchpit IC]	18	3.030	0.152	9.9	0.4249	0.0000	SURCHARGED
720 minute summer	Coach Drop Subbase 2	585	2.994	0.093	2.0	16.4103	0.0000	OK
480 minute summer	Play Area 1	448	2.908	0.085	1.6	8.7778	0.0000	OK
30 minute summer	SW1 13 [MH]	18	2.743	0.044	3.2	0.0296	0.0000	OK
720 minute summer	SW1 12 [IC]	585	2.914	0.095	0.2	0.0000	0.0000	OK
30 minute summer	SW1 6	18	2.898	0.043	2.9	0.0332	0.0000	OK
30 minute summer	SW1 8 [MH]	18	2.560	0.111	23.5	0.2585	0.0000	OK
360 minute summer	Swale 1	216	2.657	0.015	1.3	4.1672	0.0000	OK
30 minute summer	SW1 15 [MH]	18	2.458	0.111	37.5	0.2886	0.0000	OK
720 minute summer	Carpark 1	720	2.979	0.069	1.7	14.9612	0.0000	OK
2880 minute summer	Permavoid	2160	2.407	0.104	6.4	0.3862	0.0000	OK
2880 minute summer	Pond	2160	2.407	0.118	4.1	31.4696	0.0000	OK
2880 minute summer	SW1 16 [MH]	2220	2.405	0.142	1.4	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	6.1	0.537	0.086	0.2536	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.298	0.003	0.0006	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	0.8				
minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	9.5	0.716	0.135	0.3886	
minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.1				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	3.1	0.511	0.047	0.1652	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.2				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	0.0				
minute summer	SW1 6	7.000_1	SW1 7 [MH]	2.9	0.544	0.083	0.0717	
minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	23.2	0.811	0.140	0.5842	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	0.6	0.539	0.008	0.0042	
minute summer	SW1 15 [MH]	1.004	Permavoid	37.1	1.234	0.136	0.1563	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-1.7	-0.385	-0.430	0.0155	
80 minute summer	Permavoid	Permavoid	Pond	4.0	0.006	0.001	140.0655	
80 minute summer	Pond	1.011	SW1 16 [MH]	1.4	0.176	0.255	0.0818	
80 minute summer	SW1 16 [MH]	Hydro-Brake®		1.4				17

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Results for 1 year Critical Storm Duration. Lowest mass balance: 99.76%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	Coach Drop Subbase 1	585	2.914	0.090	2.0	15.9813	0.0000	OK
30 minute summer	SW1 14	18	2.459	0.064	1.8	0.0226	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)
720 minute summer	Coach Drop Subbase 1	7.000	SW1 12 [IC]	0.2	0.103	0.007	0.0155	
30 minute summer	SW1 14	1.0071	SW1 15 [MH]	1.9	0.108	0.013	0.4620	

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Results for 10 year Critical Storm Duration. Lowest mass balance: 99.76%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SW1 5 [MH]	18	2.914	0.106	19.5	0.1791	0.0000	OK
480 minute summer	Play Area Subbase 2	456	3.098	0.190	1.6	10.0534	0.0000	FLOOD RISK
240 minute summer	Informal Outdoor Games Area	244	3.115	0.260	15.6	47.1231	0.0000	FLOOD RISK
30 minute summer	SW1 7 [MH]	18	2.851	0.133	29.7	0.0000	0.0000	OK
30 minute summer	SW1 10 [Catchpit IC]	18	3.355	0.477	31.8	1.3364	0.0000	FLOOD RISK
600 minute summer	Coach Drop Subbase 2	600	3.107	0.206	5.0	40.9405	0.0000	FLOOD RISK
600 minute summer	Play Area 1	600	2.987	0.164	2.9	22.9007	0.0000	OK
30 minute summer	SW1 13 [MH]	18	2.802	0.103	17.4	0.0692	0.0000	OK
240 minute summer	SW1 12 [IC]	156	2.969	0.150	3.1	0.0000	0.0000	OK
30 minute summer	SW1 6	18	2.933	0.078	9.3	0.0599	0.0000	OK
30 minute summer	SW1 8 [MH]	18	2.660	0.211	82.3	0.4925	0.0000	OK
120 minute summer	Swale 1	78	2.670	0.028	6.6	8.0489	0.0000	OK
2160 minute summer	SW1 15 [MH]	2280	2.562	0.215	21.0	0.5614	0.0000	OK
600 minute summer	Carpark 1	600	3.056	0.146	4.4	38.6876	0.0000	SURCHARGED
2160 minute summer	Permavoid	2280	2.560	0.257	18.6	0.9554	0.0000	OK
2160 minute summer	Pond	2280	2.560	0.271	9.0	77.7213	0.0000	SURCHARGED
2160 minute summer	SW1 16 [MH]	2280	2.558	0.295	1.5	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discha Vol (m
minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	19.5	0.750	0.275	0.5775	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.331	0.005	0.0008	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.0				
minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	29.4	0.984	0.417	0.8755	
minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	8.1				
minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	17.5	0.833	0.259	0.5649	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	2.8				
minute summer	SW1 6	7.000_1	SW1 7 [MH]	9.3	0.758	0.265	0.1654	
minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	82.0	1.170	0.495	1.4232	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	2.4	0.831	0.034	0.0112	
60 minute summer	SW1 15 [MH]	1.004	Permavoid	15.7	0.578	0.057	0.4282	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-4.4	-0.586	-1.115	0.0194	
60 minute summer	Permavoid	Permavoid	Pond	8.8	0.008	0.001	333.7336	
60 minute summer	Pond	1.011	SW1 16 [MH]	1.5	0.178	0.273	0.0898	
60 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				16

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Results for 10 year Critical Storm Duration. Lowest mass balance: 99.76%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	Coach Drop Subbase 1	156	2.969	0.145	10.8	27.9007	0.0000	OK
2160 minute summer	SW1 14	2220	2.561	0.166	2.9	0.0590	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	Coach Drop Subbase 1	7.000	SW1 12 [IC]	3.1	0.237	0.085	0.0276	
2160 minute summer	SW1 14	1.0071	SW1 15 [MH]	3.7	0.101	0.025	1.3451	

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Results for 30 year Critical Storm Duration. Lowest mass balance: 99.76%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SW1 5 [MH]	18	2.935	0.127	26.8	0.2134	0.0000	OK
360 minute summer	Play Area Subbase 2	352	3.167	0.259	2.9	13.9460	0.0000	FLOOD RISK
360 minute summer	Informal Outdoor Games Area	360	3.181	0.326	16.5	71.8438	0.0000	FLOOD RISK
30 minute summer	SW1 7 [MH]	18	2.878	0.160	40.4	0.0000	0.0000	OK
30 minute summer	SW1 10 [Catchpit IC]	18	3.422	0.544	43.6	1.5246	0.0000	FLOOD RISK
720 minute summer	Coach Drop Subbase 2	720	3.193	0.292	6.3	59.8302	0.0000	FLOOD RISK
480 minute summer	Play Area 1	336	3.023	0.200	5.1	29.2149	0.0000	OK
30 minute summer	SW1 13 [MH]	18	2.836	0.137	29.5	0.0918	0.0000	OK
240 minute summer	SW1 12 [IC]	148	3.000	0.181	6.2	0.0000	0.0000	OK
30 minute summer	SW1 6	18	2.948	0.093	12.7	0.0708	0.0000	OK
30 minute summer	SW1 8 [MH]	18	2.707	0.258	118.6	0.6020	0.0000	OK
120 minute summer	Swale 1	76	2.678	0.036	9.1	10.2065	0.0000	OK
2880 minute summer	SW1 15 [MH]	3120	2.678	0.331	44.4	0.8620	0.0000	OK
720 minute summer	Carpark 1	720	3.117	0.207	5.6	57.4183	0.0000	FLOOD RISK
2880 minute summer	Permavoid	3120	2.678	0.375	39.2	1.3936	0.0000	OK
2880 minute summer	Pond	3120	2.678	0.389	16.1	117.3279	0.0000	SURCHARGED
2880 minute summer	SW1 16 [MH]	3120	2.676	0.413	1.6	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discha Vol (m
minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	26.8	0.812	0.379	0.7285	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.347	0.006	0.0009	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.1				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.1				
minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	40.3	1.078	0.571	1.0916	
minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	17.1				
minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.6				
minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	29.7	0.971	0.440	0.8225	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	5.9				
minute summer	SW1 6	7.000_1	SW1 7 [MH]	12.7	0.826	0.362	0.2071	
minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	118.4	1.316	0.714	1.8266	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	4.0	0.964	0.056	0.0158	
30 minute summer	SW1 15 [MH]	1.004	Permavoid	35.4	0.577	0.130	0.6828	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-5.6	-0.716	-1.403	0.0194	
30 minute summer	Permavoid	Permavoid	Pond	15.6	0.008	0.003	482.7025	
30 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.177	0.275	0.0898	
30 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				22

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Results for 30 year Critical Storm Duration. Lowest mass balance: 99.76%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	Coach Drop Subbase 1	148	3.000	0.176	15.1	34.7686	0.0000	OK
2880 minute summer	SW1 14	3120	2.678	0.283	7.0	0.1003	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	Coach Drop Subbase 1	7.000	SW1 12 [IC]	6.2	0.236	0.170	0.0338	
2880 minute summer	SW1 14	1.0071	SW1 15 [MH]	8.4	0.167	0.056	2.4370	

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Results for 100 year Critical Storm Duration. Lowest mass balance: 99.76%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SW1 5 [MH]	18	2.962	0.154	36.7	0.2602	0.0000	OK
480 minute summer	Play Area Subbase 2	288	3.233	0.325	3.2	16.3025	0.0000	FLOOD RISK
480 minute summer	Informal Outdoor Games Area	320	3.242	0.387	18.4	94.6440	0.0000	FLOOD RISK
30 minute summer	SW1 7 [MH]	18	2.911	0.193	54.9	0.0000	0.0000	OK
30 minute summer	SW1 10 [Catchpit IC]	18	3.501	0.623	59.8	1.7465	0.0000	FLOOD RISK
480 minute summer	Coach Drop Subbase 2	272	3.352	0.451	12.8	62.2038	0.0000	FLOOD RISK
360 minute summer	Play Area 1	232	3.059	0.236	9.4	35.5633	0.0000	FLOOD RISK
30 minute summer	SW1 13 [MH]	18	2.879	0.180	47.7	0.1212	0.0000	OK
180 minute summer	SW1 12 [IC]	112	3.042	0.223	11.4	0.0000	0.0000	OK
30 minute summer	SW1 6	18	2.967	0.112	17.4	0.0856	0.0000	OK
2880 minute summer	SW1 8 [MH]	3120	2.836	0.387	10.0	0.9046	0.0000	OK
2880 minute summer	Swale 1	3120	2.836	0.194	1.8	54.8577	0.0000	OK
2880 minute summer	SW1 15 [MH]	3120	2.836	0.489	70.0	1.2754	0.0000	SURCHARGED
960 minute summer	Carpark 1	960	3.208	0.298	6.3	85.2943	0.0000	FLOOD RISK
2880 minute summer	Permavoid	3120	2.836	0.533	57.2	1.9836	0.0000	OK
2880 minute summer	Pond	3120	2.836	0.547	25.0	176.2423	0.0000	SURCHARGED
2880 minute summer	SW1 16 [MH]	3120	2.835	0.572	1.6	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discha Vol (m
minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	36.7	0.873	0.518	0.9262	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.359	0.006	0.0010	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	1.4				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	3.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.2				
minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	54.7	1.184	0.775	1.3501	
minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	30.2				
minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.5				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	7.4				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.6				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	2.6				
minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	47.6	1.118	0.707	1.1463	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	11.0				
minute summer	SW1 6	7.000_1	SW1 7 [MH]	17.4	0.875	0.495	0.2743	
80 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	18.0	0.534	0.109	3.0733	
80 minute summer	Swale 1	9.000	SW1 15 [MH]	-1.3	0.630	-0.019	0.1467	
80 minute summer	SW1 15 [MH]	1.004	Permavoid	53.5	0.535	0.196	0.8212	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-6.3	-0.800	-1.567	0.0194	
80 minute summer	Permavoid	Permavoid	Pond	24.0	0.018	0.004	683.2958	
80 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.178	0.277	0.0898	
80 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				21

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Results for 100 year Critical Storm Duration. Lowest mass balance: 99.76%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	Coach Drop Subbase 1	112	3.042	0.218	25.3	43.9821	0.0000	OK
2880 minute summer	SW1 14	3120	2.836	0.441	11.9	0.1566	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)
180 minute summer	Coach Drop Subbase 1	7.000	SW1 12 [IC]	11.4	0.288	0.311	0.0396	
2880 minute summer	SW1 14	1.0071	SW1 15 [MH]	13.8	0.216	0.092	3.3604	

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Results for 100 year +25% CC Critical Storm Duration. Lowest mass balance: 99.76%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	SW1 5 [MH]	2220	3.120	0.312	2.3	0.5256	0.0000	SURCHARGED
180 minute summer	Play Area Subbase 2	108	3.291	0.383	8.0	16.3814	0.4148	FLOOD
360 minute summer	Informal Outdoor Games Area	216	3.307	0.452	29.6	105.5741	0.0000	FLOOD RISK
2160 minute summer	SW1 7 [MH]	2220	3.120	0.402	5.7	0.0000	0.0000	SURCHARGED
30 minute summer	SW1 10 [Catchpit IC]	18	3.563	0.685	74.7	1.9309	0.0000	FLOOD RISK
360 minute summer	Coach Drop Subbase 2	192	3.400	0.499	20.6	62.4037	2.3123	FLOOD
2160 minute summer	Play Area 1	2220	3.120	0.297	2.3	46.4104	0.0000	FLOOD RISK
2160 minute summer	SW1 13 [MH]	2220	3.120	0.421	11.1	0.2826	0.0000	SURCHARGED
2160 minute summer	SW1 12 [IC]	2220	3.120	0.301	4.0	0.0000	0.0000	FLOOD RISK
2160 minute summer	SW1 6	2220	3.120	0.265	1.1	0.2024	0.0000	SURCHARGED
2160 minute summer	SW1 8 [MH]	2220	3.120	0.671	20.4	1.5673	0.0000	FLOOD RISK
2160 minute summer	Swale 1	2220	3.120	0.478	4.8	135.0049	0.0000	FLOOD RISK
2160 minute summer	SW1 15 [MH]	2220	3.122	0.775	22.3	2.0212	0.0000	FLOOD RISK
480 minute summer	Carpark 1	312	3.312	0.402	14.2	86.0560	0.0000	FLOOD RISK
2160 minute summer	Permavoid	2220	3.120	0.817	79.6	3.0385	0.0000	FLOOD RISK
1440 minute summer	Pond	1470	3.119	0.830	51.6	197.6436	0.0000	FLOOD RISK
2160 minute summer	SW1 16 [MH]	2220	3.118	0.855	1.6	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
60 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	2.3	0.361	0.032	1.5469	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.2	0.369	0.007	0.0010	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	3.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	12.1				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.3				
60 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	5.7	0.597	0.081	2.0562	
minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	42.9				
minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.5				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	13.2				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.6				
60 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
60 minute summer	Play Area 1	Weir	SW1 13 [MH]	1.7				
60 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	11.1	0.731	0.164	1.8967	
60 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
60 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	3.6				
60 minute summer	SW1 6	7.000_1	SW1 7 [MH]	1.1	0.416	0.031	0.5358	
60 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	18.1	0.567	0.109	3.2162	
60 minute summer	Swale 1	9.000	SW1 15 [MH]	-3.6	0.700	-0.051	0.1530	
60 minute summer	SW1 15 [MH]	1.004	Permavoid	72.6	0.804	0.266	0.8212	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-14.2	-1.815	-3.557	0.0194	
60 minute summer	Permavoid	Permavoid	Pond	17.8	0.017	0.003	759.2354	
40 minute summer	Pond	1.011	SW1 16 [MH]	1.7	0.177	0.294	0.0898	
60 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				17

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Results for 100 year +25% CC Critical Storm Duration. Lowest mass balance: 99.76%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	Coach Drop Subbase 1	2220	3.119	0.295	4.1	60.8893	0.0000	FLOOD RISK
1440 minute summer	SW1 14	1470	3.119	0.724	15.6	0.2571	0.0000	FLOOD RISK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	Coach Drop Subbase 1	7.000	SW1 12 [IC]	4.0	0.134	0.108	0.0398	
1440 minute summer	SW1 14	1.0071	SW1 15 [MH]	26.6	0.306	0.176	3.3683	

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Results for 1 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SW1 5 [MH]	18	2.867	0.059	6.1	0.0992	0.0000	OK
30 minute summer	Play Area Subbase 2	35	2.946	0.038	2.7	1.6288	0.0000	OK
30 minute summer	Informal Outdoor Games Area	33	3.011	0.156	15.3	8.4048	0.0000	OK
30 minute summer	SW1 7 [MH]	18	2.792	0.074	9.7	0.0000	0.0000	OK
30 minute summer	SW1 10 [Catchpit IC]	18	3.030	0.152	9.9	0.4249	0.0000	SURCHARGED
30 minute summer	Coach Drop Subbase 2	34	2.949	0.048	10.6	6.5050	0.0000	OK
30 minute summer	Play Area 1	34	2.879	0.056	6.1	3.6512	0.0000	OK
30 minute summer	SW1 13 [MH]	18	2.743	0.044	3.2	0.0296	0.0000	OK
30 minute summer	SW1 12 [IC]	35	2.871	0.052	0.3	0.0000	0.0000	OK
30 minute summer	SW1 6	18	2.898	0.043	2.9	0.0332	0.0000	OK
30 minute summer	SW1 8 [MH]	18	2.560	0.111	23.5	0.2585	0.0000	OK
30 minute summer	Swale 1	33	2.651	0.009	4.1	2.4496	0.0000	OK
30 minute summer	SW1 15 [MH]	18	2.458	0.111	37.5	0.2886	0.0000	OK
30 minute summer	Carpark 1	34	2.949	0.039	9.5	5.7168	0.0000	OK
30 minute summer	Permavoid	21	2.328	0.025	55.5	0.0934	0.0000	OK
30 minute summer	Pond	244	2.326	0.037	44.4	9.6004	0.0000	OK
30 minute summer	SW1 16 [MH]	245	2.313	0.050	0.8	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharg Vol (m³)
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	6.1	0.537	0.086	0.2536	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.0	0.259	0.002	0.0004	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	0.8				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	9.5	0.716	0.135	0.3886	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.1				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	3.1	0.511	0.047	0.1652	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.2				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	2.9	0.544	0.083	0.0717	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	23.2	0.811	0.140	0.5842	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	0.2	0.384	0.003	0.0018	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	37.1	1.234	0.136	0.1563	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-9.5	-1.663	-2.389	0.0124	
0 minute summer	Permavoid	Permavoid	Pond	42.7	0.071	0.007	38.3549	
0 minute summer	Pond	1.011	SW1 16 [MH]	0.8	0.183	0.135	0.0220	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		0.8				9.

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Results for 1 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.87%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	Coach Drop Subbase 1	34	2.871	0.047	10.6	6.4265	0.0000	OK
30 minute summer	SW1 14	18	2.459	0.064	1.8	0.0226	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	0.3	0.266	0.008	0.0065	
30 minute summer	SW1 14	1.0071	SW1 15 [MH]	1.9	0.108	0.013	0.4620	

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Results for 1 year 60 minute summer. 300 minute analysis at 1 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
60 minute summer	SW1 5 [MH]	33	2.859	0.051	4.5	0.0855	0.0000	OK
60 minute summer	Play Area Subbase 2	64	2.952	0.044	2.0	1.9439	0.0000	OK
60 minute summer	Informal Outdoor Games Area	62	3.014	0.159	11.2	9.4802	0.0000	OK
60 minute summer	SW1 7 [MH]	34	2.782	0.064	7.3	0.0000	0.0000	OK
60 minute summer	SW1 10 [Catchpit IC]	33	2.999	0.121	7.3	0.3398	0.0000	OK
60 minute summer	Coach Drop Subbase 2	64	2.955	0.054	7.8	7.8139	0.0000	OK
60 minute summer	Play Area 1	64	2.883	0.060	4.5	4.3789	0.0000	OK
60 minute summer	SW1 13 [MH]	33	2.738	0.039	2.5	0.0264	0.0000	OK
60 minute summer	SW1 12 [IC]	64	2.877	0.058	0.3	0.0000	0.0000	OK
60 minute summer	SW1 6	33	2.892	0.037	2.1	0.0284	0.0000	OK
60 minute summer	SW1 8 [MH]	33	2.545	0.096	17.7	0.2250	0.0000	OK
60 minute summer	Swale 1	61	2.652	0.010	3.0	2.7929	0.0000	OK
60 minute summer	SW1 15 [MH]	33	2.443	0.096	28.1	0.2498	0.0000	OK
60 minute summer	Carpark 1	64	2.953	0.043	7.1	6.9020	0.0000	OK
60 minute summer	Permavoid	290	2.332	0.029	41.4	0.1091	0.0000	OK
60 minute summer	Pond	290	2.332	0.043	39.3	11.1779	0.0000	OK
60 minute summer	SW1 16 [MH]	290	2.323	0.060	0.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharg Vol (m³)
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	4.5	0.480	0.063	0.2071	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.0	0.265	0.002	0.0004	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	0.8				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	7.3	0.662	0.103	0.3202	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.1				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	2.5	0.479	0.037	0.1385	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.2				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	2.1	0.497	0.060	0.0568	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	17.6	0.750	0.106	0.4776	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	0.2	0.417	0.004	0.0023	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	27.9	1.136	0.102	0.1275	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-7.1	-1.317	-1.780	0.0123	
0 minute summer	Permavoid	Permavoid	Pond	37.1	0.061	0.006	45.9487	
0 minute summer	Pond	1.011	SW1 16 [MH]	0.9	0.185	0.163	0.0274	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		0.9				13.

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Results for 1 year 60 minute summer. 300 minute analysis at 1 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
60 minute summer	Coach Drop Subbase 1	64	2.877	0.053	7.8	7.7062	0.0000	OK
60 minute summer	SW1 14	33	2.443	0.048	1.3	0.0172	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	0.3	0.239	0.009	0.0075	
60 minute summer	SW1 14	1.0071	SW1 15 [MH]	1.3	0.095	0.009	0.3547	

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Results for 1 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	SW1 5 [MH]	64	2.854	0.046	3.6	0.0768	0.0000	OK
120 minute summer	Play Area Subbase 2	122	2.968	0.060	1.6	2.8624	0.0000	OK
120 minute summer	Informal Outdoor Games Area	120	3.023	0.168	9.0	13.0499	0.0000	OK
120 minute summer	SW1 7 [MH]	64	2.777	0.059	6.1	0.0000	0.0000	OK
120 minute summer	SW1 10 [Catchpit IC]	64	2.988	0.110	5.8	0.3078	0.0000	OK
120 minute summer	Coach Drop Subbase 2	124	2.971	0.070	6.3	11.4468	0.0000	OK
120 minute summer	Play Area 1	124	2.894	0.071	3.6	6.3412	0.0000	OK
120 minute summer	SW1 13 [MH]	64	2.736	0.037	2.1	0.0246	0.0000	OK
120 minute summer	SW1 12 [IC]	124	2.893	0.074	0.2	0.0000	0.0000	OK
120 minute summer	SW1 6	64	2.889	0.034	1.7	0.0256	0.0000	OK
120 minute summer	SW1 8 [MH]	64	2.537	0.088	14.7	0.2059	0.0000	OK
120 minute summer	Swale 1	88	2.655	0.013	2.4	3.5845	0.0000	OK
120 minute summer	SW1 15 [MH]	64	2.434	0.087	23.2	0.2278	0.0000	OK
120 minute summer	Carpark 1	124	2.964	0.054	5.6	10.1815	0.0000	OK
120 minute summer	Permavoid	360	2.348	0.045	34.0	0.1692	0.0000	OK
120 minute summer	Pond	360	2.348	0.059	26.2	15.4709	0.0000	OK
120 minute summer	SW1 16 [MH]	360	2.343	0.080	1.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharg Vol (m³
20 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	3.6	0.441	0.051	0.1807	
20 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.279	0.003	0.0005	
20 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
20 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
20 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	0.8				
20 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	6.1	0.629	0.086	0.2813	
20 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
20 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
20 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
20 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.2				
20 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.1				
20 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
20 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	2.1	0.461	0.032	0.1242	
20 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.2				
20 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	0.0				
20 minute summer	SW1 6	7.000_1	SW1 7 [MH]	1.7	0.469	0.048	0.0488	
20 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	14.7	0.708	0.088	0.4205	
20 minute summer	Swale 1	9.000	SW1 15 [MH]	0.4	0.489	0.006	0.0034	
20 minute summer	SW1 15 [MH]	1.004	Permavoid	23.2	1.076	0.085	0.1118	
20 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-5.6	-1.089	-1.404	0.0125	
20 minute summer	Permavoid	Permavoid	Pond	23.8	0.037	0.004	66.3970	
20 minute summer	Pond	1.011	SW1 16 [MH]	1.2	0.186	0.213	0.0410	
20 minute summer	SW1 16 [MH]	Hydro-Brake®		1.2				20

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Results for 1 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.88%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	Coach Drop Subbase 1	124	2.893	0.069	6.3	11.2832	0.0000	OK
120 minute summer	SW1 14	64	2.435	0.040	1.0	0.0141	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	0.2	0.222	0.006	0.0108	
120 minute summer	SW1 14	1.0071	SW1 15 [MH]	1.0	0.083	0.007	0.2981	

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Results for 1 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	SW1 5 [MH]	96	2.849	0.041	2.9	0.0692	0.0000	OK
180 minute summer	Play Area Subbase 2	184	2.978	0.070	1.3	3.3668	0.0000	OK
180 minute summer	Informal Outdoor Games Area	164	3.027	0.172	7.3	14.3246	0.0000	OK
180 minute summer	SW1 7 [MH]	96	2.772	0.054	5.1	0.0000	0.0000	OK
180 minute summer	SW1 10 [Catchpit IC]	96	2.980	0.102	4.7	0.2861	0.0000	OK
180 minute summer	Coach Drop Subbase 2	184	2.981	0.080	5.1	13.4963	0.0000	OK
180 minute summer	Play Area 1	184	2.900	0.077	2.9	7.4215	0.0000	OK
180 minute summer	SW1 13 [MH]	96	2.733	0.034	1.9	0.0231	0.0000	OK
180 minute summer	SW1 12 [IC]	184	2.902	0.083	0.2	0.0000	0.0000	OK
180 minute summer	SW1 6	96	2.886	0.031	1.4	0.0234	0.0000	OK
180 minute summer	SW1 8 [MH]	96	2.530	0.081	12.1	0.1882	0.0000	OK
180 minute summer	Swale 1	120	2.656	0.014	2.0	4.0386	0.0000	OK
180 minute summer	SW1 15 [MH]	96	2.427	0.080	19.2	0.2079	0.0000	OK
180 minute summer	Carpark 1	184	2.970	0.060	4.5	12.0096	0.0000	OK
180 minute summer	Permavoid	420	2.359	0.056	27.9	0.2097	0.0000	OK
180 minute summer	Pond	420	2.359	0.070	18.5	18.3984	0.0000	OK
180 minute summer	SW1 16 [MH]	420	2.356	0.093	1.3	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharg Vol (m³)
80 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	2.9	0.407	0.041	0.1581	
80 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.285	0.003	0.0005	
80 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
80 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
80 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	0.8				
80 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	5.1	0.597	0.072	0.2492	
80 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
80 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
80 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
80 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.2				
80 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.1				
80 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
80 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	1.9	0.444	0.028	0.1126	
80 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.2				
80 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	0.0				
80 minute summer	SW1 6	7.000_1	SW1 7 [MH]	1.4	0.442	0.040	0.0427	
80 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	12.1	0.672	0.073	0.3671	
80 minute summer	Swale 1	9.000	SW1 15 [MH]	0.5	0.529	0.008	0.0040	
80 minute summer	SW1 15 [MH]	1.004	Permavoid	19.2	1.017	0.070	0.0980	
80 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-4.5	-0.924	-1.129	0.0133	
80 minute summer	Permavoid	Permavoid	Pond	16.5	0.026	0.003	80.1622	
80 minute summer	Pond	1.011	SW1 16 [MH]	1.3	0.185	0.229	0.0499	
80 minute summer	SW1 16 [MH]	Hydro-Brake®		1.3				24

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Results for 1 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	Coach Drop Subbase 1	184	2.902	0.078	5.1	13.2893	0.0000	OK
180 minute summer	SW1 14	96	2.427	0.032	0.8	0.0115	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	0.2	0.150	0.006	0.0128	
180 minute summer	SW1 14	1.0071	SW1 15 [MH]	0.8	0.080	0.005	0.2504	

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Results for 1 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	SW1 5 [MH]	124	2.846	0.038	2.5	0.0644	0.0000	OK
240 minute summer	Play Area Subbase 2	240	2.981	0.073	1.1	3.5388	0.0000	OK
240 minute summer	Informal Outdoor Games Area	196	3.028	0.173	6.4	14.9031	0.0000	OK
240 minute summer	SW1 7 [MH]	124	2.769	0.051	4.5	0.0000	0.0000	OK
240 minute summer	SW1 10 [Catchpit IC]	136	2.977	0.099	4.1	0.2781	0.0000	OK
240 minute summer	Coach Drop Subbase 2	244	2.986	0.085	4.4	14.6577	0.0000	OK
240 minute summer	Play Area 1	244	2.903	0.080	2.5	8.0270	0.0000	OK
240 minute summer	SW1 13 [MH]	124	2.732	0.033	1.8	0.0224	0.0000	OK
240 minute summer	SW1 12 [IC]	244	2.907	0.088	0.2	0.0000	0.0000	OK
240 minute summer	SW1 6	124	2.883	0.028	1.2	0.0216	0.0000	OK
240 minute summer	SW1 8 [MH]	124	2.525	0.076	10.7	0.1771	0.0000	OK
240 minute summer	Swale 1	152	2.657	0.015	1.7	4.1191	0.0000	OK
240 minute summer	SW1 15 [MH]	124	2.422	0.075	16.9	0.1950	0.0000	OK
240 minute summer	Carpark 1	244	2.974	0.064	3.9	13.2241	0.0000	OK
240 minute summer	Permavoid	480	2.368	0.065	24.5	0.2400	0.0000	OK
240 minute summer	Pond	480	2.368	0.079	15.9	20.6067	0.0000	OK
240 minute summer	SW1 16 [MH]	480	2.365	0.102	1.3	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
40 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	2.5	0.385	0.035	0.1428	
40 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.287	0.003	0.0005	
40 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
40 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
40 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	0.8				
40 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	4.4	0.575	0.063	0.2246	
40 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
40 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
40 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
40 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.2				
40 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.1				
40 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
40 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	1.7	0.434	0.026	0.1073	
40 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.2				
40 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	0.0				
40 minute summer	SW1 6	7.000_1	SW1 7 [MH]	1.2	0.424	0.034	0.0377	
40 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	10.7	0.648	0.064	0.3342	
40 minute summer	Swale 1	9.000	SW1 15 [MH]	0.6	0.535	0.008	0.0041	
40 minute summer	SW1 15 [MH]	1.004	Permavoid	16.8	0.978	0.062	0.0893	
40 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-3.9	-0.806	-0.975	0.0142	
40 minute summer	Permavoid	Permavoid	Pond	14.2	0.024	0.002	90.4534	
40 minute summer	Pond	1.011	SW1 16 [MH]	1.3	0.185	0.235	0.0562	
40 minute summer	SW1 16 [MH]	Hydro-Brake®		1.3				28

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Results for 1 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	Coach Drop Subbase 1	244	2.907	0.083	4.4	14.4131	0.0000	OK
240 minute summer	SW1 14	124	2.422	0.027	0.7	0.0097	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	0.2	0.151	0.006	0.0139	
240 minute summer	SW1 14	1.0071	SW1 15 [MH]	0.7	0.076	0.005	0.2212	

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Results for 1 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	SW1 5 [MH]	184	2.842	0.034	2.0	0.0578	0.0000	OK
360 minute summer	Play Area Subbase 2	360	2.988	0.080	0.9	3.9238	0.0000	OK
360 minute summer	Informal Outdoor Games Area	264	3.028	0.173	5.0	14.8333	0.0000	OK
360 minute summer	SW1 7 [MH]	184	2.764	0.046	3.7	0.0000	0.0000	OK
360 minute summer	SW1 10 [Catchpit IC]	360	2.977	0.099	3.2	0.2768	0.0000	OK
360 minute summer	Coach Drop Subbase 2	360	2.991	0.090	3.5	15.8438	0.0000	OK
360 minute summer	Play Area 1	360	2.907	0.084	2.0	8.5979	0.0000	OK
360 minute summer	SW1 13 [MH]	184	2.730	0.031	1.5	0.0206	0.0000	OK
360 minute summer	SW1 12 [IC]	360	2.912	0.093	0.2	0.0000	0.0000	OK
360 minute summer	SW1 6	184	2.880	0.025	0.9	0.0190	0.0000	OK
360 minute summer	SW1 8 [MH]	184	2.517	0.068	8.7	0.1600	0.0000	OK
360 minute summer	Swale 1	216	2.657	0.015	1.3	4.1672	0.0000	OK
360 minute summer	SW1 15 [MH]	184	2.414	0.067	13.6	0.1755	0.0000	OK
360 minute summer	Carpark 1	360	2.977	0.067	2.8	14.2059	0.0000	OK
360 minute summer	Permavoid	600	2.378	0.075	19.6	0.2807	0.0000	OK
360 minute summer	Pond	600	2.378	0.089	12.7	23.6058	0.0000	OK
360 minute summer	SW1 16 [MH]	600	2.376	0.113	1.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	2.0	0.355	0.028	0.1233	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.291	0.003	0.0006	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	0.8				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	3.6	0.545	0.051	0.1941	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.1				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	1.5	0.411	0.022	0.0953	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.2				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	0.9	0.393	0.025	0.0306	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	8.6	0.607	0.052	0.2877	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	0.6	0.539	0.008	0.0042	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	13.6	0.917	0.050	0.0767	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-2.8	-0.634	-0.709	0.0150	
0 minute summer	Permavoid	Permavoid	Pond	11.4	0.021	0.002	104.2985	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.4	0.180	0.242	0.0644	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.4				35

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Results for 1 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.89%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	Coach Drop Subbase 1	360	2.912	0.088	3.5	15.5378	0.0000	OK
360 minute summer	SW1 14	184	2.415	0.020	0.6	0.0073	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	0.2	0.144	0.007	0.0150	
360 minute summer	SW1 14	1.0071	SW1 15 [MH]	0.6	0.076	0.004	0.1805	

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Results for 1 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	SW1 5 [MH]	248	2.839	0.031	1.6	0.0522	0.0000	OK
480 minute summer	Play Area Subbase 2	480	2.992	0.084	0.7	4.1566	0.0000	OK
480 minute summer	Informal Outdoor Games Area	328	3.027	0.172	3.9	14.4097	0.0000	OK
480 minute summer	SW1 7 [MH]	248	2.761	0.043	3.1	0.0000	0.0000	OK
480 minute summer	SW1 10 [Catchpit IC]	480	2.978	0.100	2.6	0.2796	0.0000	OK
480 minute summer	Coach Drop Subbase 2	464	2.993	0.092	2.7	16.2759	0.0000	OK
480 minute summer	Play Area 1	448	2.908	0.085	1.6	8.7778	0.0000	OK
480 minute summer	SW1 13 [MH]	248	2.729	0.030	1.4	0.0202	0.0000	OK
480 minute summer	SW1 12 [IC]	464	2.914	0.095	0.2	0.0000	0.0000	OK
480 minute summer	SW1 6	248	2.877	0.022	0.7	0.0169	0.0000	OK
480 minute summer	SW1 8 [MH]	248	2.513	0.064	7.4	0.1489	0.0000	OK
480 minute summer	Swale 1	280	2.656	0.014	1.1	4.0657	0.0000	OK
480 minute summer	SW1 15 [MH]	248	2.409	0.062	11.6	0.1626	0.0000	OK
480 minute summer	Carpark 1	480	2.978	0.068	2.4	14.5163	0.0000	OK
480 minute summer	Permavoid	712	2.386	0.083	16.3	0.3099	0.0000	OK
480 minute summer	Pond	720	2.386	0.097	10.7	25.7735	0.0000	OK
480 minute summer	SW1 16 [MH]	720	2.385	0.122	1.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	1.6	0.326	0.023	0.1090	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.294	0.003	0.0006	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	0.8				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	3.1	0.520	0.044	0.1744	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.1				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	1.4	0.405	0.021	0.0924	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.2				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	0.7	0.364	0.020	0.0259	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	7.4	0.581	0.045	0.2586	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	0.6	0.531	0.008	0.0040	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	11.6	0.875	0.042	0.0686	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-2.4	-0.516	-0.603	0.0152	
0 minute summer	Permavoid	Permavoid	Pond	9.6	0.020	0.002	114.1733	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.4	0.180	0.247	0.0698	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.4				42

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Results for 1 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	Coach Drop Subbase 1	464	2.914	0.090	2.7	15.9198	0.0000	OK
480 minute summer	SW1 14	248	2.414	0.019	0.5	0.0067	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	0.2	0.145	0.007	0.0154	
480 minute summer	SW1 14	1.0071	SW1 15 [MH]	0.5	0.072	0.003	0.1611	

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Results for 1 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	SW1 5 [MH]	315	2.836	0.028	1.3	0.0473	0.0000	OK
600 minute summer	Play Area Subbase 2	600	3.000	0.092	0.6	4.6016	0.0000	OK
600 minute summer	Informal Outdoor Games Area	405	3.025	0.170	3.2	13.8524	0.0000	OK
600 minute summer	SW1 7 [MH]	315	2.758	0.040	2.7	0.0000	0.0000	OK
600 minute summer	SW1 10 [Catchpit IC]	600	2.979	0.101	2.1	0.2822	0.0000	OK
600 minute summer	Coach Drop Subbase 2	525	2.993	0.092	2.2	16.0932	0.0000	OK
600 minute summer	Play Area 1	510	2.907	0.084	1.3	8.7407	0.0000	OK
600 minute summer	SW1 13 [MH]	315	2.727	0.028	1.2	0.0188	0.0000	OK
600 minute summer	SW1 12 [IC]	525	2.913	0.094	0.2	0.0000	0.0000	OK
600 minute summer	SW1 6	315	2.876	0.021	0.6	0.0157	0.0000	OK
600 minute summer	SW1 8 [MH]	315	2.508	0.059	6.2	0.1372	0.0000	OK
600 minute summer	Swale 1	345	2.656	0.014	0.9	3.9913	0.0000	OK
600 minute summer	SW1 15 [MH]	315	2.404	0.057	9.7	0.1496	0.0000	OK
600 minute summer	Carpark 1	600	2.979	0.069	1.9	14.8016	0.0000	OK
600 minute summer	Permavoid	810	2.392	0.089	13.6	0.3304	0.0000	OK
600 minute summer	Pond	810	2.392	0.103	9.0	27.2643	0.0000	OK
600 minute summer	SW1 16 [MH]	810	2.390	0.127	1.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	1.3	0.298	0.018	0.0972	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.298	0.003	0.0006	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	0.8				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	2.7	0.500	0.038	0.1583	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.1				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	1.2	0.388	0.018	0.0830	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.2				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	0.6	0.348	0.017	0.0233	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	6.2	0.556	0.037	0.2265	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	0.5	0.525	0.008	0.0039	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	9.7	0.830	0.036	0.0727	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-1.9	-0.427	-0.480	0.0154	
0 minute summer	Permavoid	Permavoid	Pond	8.1	0.018	0.001	121.1040	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.4	0.179	0.248	0.0733	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.4				48

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Results for 1 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	Coach Drop Subbase 1	525	2.913	0.089	2.2	15.7009	0.0000	OK
600 minute summer	SW1 14	315	2.412	0.017	0.4	0.0061	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	0.2	0.103	0.007	0.0152	
600 minute summer	SW1 14	1.0071	SW1 15 [MH]	0.4	0.066	0.003	0.1417	

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Results for 1 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	SW1 5 [MH]	375	2.834	0.026	1.1	0.0438	0.0000	OK
720 minute summer	Play Area Subbase 2	645	2.990	0.082	0.5	4.0840	0.0000	OK
720 minute summer	Informal Outdoor Games Area	465	3.024	0.169	2.9	13.2199	0.0000	OK
720 minute summer	SW1 7 [MH]	375	2.756	0.038	2.4	0.0000	0.0000	OK
720 minute summer	SW1 10 [Catchpit IC]	720	2.979	0.101	1.9	0.2836	0.0000	OK
720 minute summer	Coach Drop Subbase 2	585	2.994	0.093	2.0	16.4103	0.0000	OK
720 minute summer	Play Area 1	570	2.904	0.081	1.1	8.1353	0.0000	OK
720 minute summer	SW1 13 [MH]	375	2.727	0.028	1.2	0.0188	0.0000	OK
720 minute summer	SW1 12 [IC]	585	2.914	0.095	0.2	0.0000	0.0000	OK
720 minute summer	SW1 6	360	2.874	0.019	0.5	0.0145	0.0000	OK
720 minute summer	SW1 8 [MH]	375	2.505	0.056	5.7	0.1319	0.0000	OK
720 minute summer	Swale 1	405	2.655	0.013	0.8	3.8067	0.0000	OK
720 minute summer	SW1 15 [MH]	810	2.403	0.056	8.8	0.1471	0.0000	OK
720 minute summer	Carpark 1	720	2.979	0.069	1.7	14.9612	0.0000	OK
720 minute summer	Permavoid	900	2.396	0.093	12.2	0.3452	0.0000	OK
720 minute summer	Pond	885	2.396	0.107	8.1	28.4090	0.0000	OK
720 minute summer	SW1 16 [MH]	885	2.394	0.131	1.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	1.1	0.277	0.016	0.0885	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.293	0.003	0.0006	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	0.8				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	2.4	0.485	0.034	0.1447	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.1				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	1.2	0.388	0.018	0.0830	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.2				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	0.5	0.334	0.014	0.0202	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	5.7	0.543	0.034	0.2129	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	0.5	0.509	0.007	0.0037	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	8.8	0.805	0.032	0.0837	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-1.7	-0.385	-0.430	0.0155	
0 minute summer	Permavoid	Permavoid	Pond	7.3	0.017	0.001	126.1683	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.4	0.178	0.251	0.0759	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.4				55

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Results for 1 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	Coach Drop Subbase 1	585	2.914	0.090	2.0	15.9813	0.0000	OK
720 minute summer	SW1 14	360	2.410	0.015	0.3	0.0053	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	0.2	0.103	0.007	0.0155	
720 minute summer	SW1 14	1.0071	SW1 15 [MH]	0.3	0.059	0.002	0.1297	

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Results for 1 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	SW1 5 [MH]	495	2.832	0.024	0.9	0.0399	0.0000	OK
960 minute summer	Play Area Subbase 2	765	2.990	0.082	0.4	4.0824	0.0000	OK
960 minute summer	Informal Outdoor Games Area	600	3.019	0.164	2.3	11.6255	0.0000	OK
960 minute summer	SW1 7 [MH]	495	2.753	0.035	2.1	0.0000	0.0000	OK
960 minute summer	SW1 10 [Catchpit IC]	855	2.977	0.099	1.5	0.2761	0.0000	OK
960 minute summer	Coach Drop Subbase 2	705	2.993	0.092	1.6	16.1874	0.0000	OK
960 minute summer	Play Area 1	705	2.904	0.081	0.9	8.1970	0.0000	OK
960 minute summer	SW1 13 [MH]	495	2.726	0.027	1.1	0.0181	0.0000	OK
960 minute summer	SW1 12 [IC]	705	2.913	0.094	0.2	0.0000	0.0000	OK
960 minute summer	SW1 6	480	2.872	0.017	0.4	0.0131	0.0000	OK
960 minute summer	SW1 8 [MH]	495	2.502	0.053	4.9	0.1230	0.0000	OK
960 minute summer	Swale 1	525	2.655	0.013	0.6	3.6975	0.0000	OK
960 minute summer	SW1 15 [MH]	960	2.412	0.065	7.5	0.1682	0.0000	OK
960 minute summer	Carpark 1	855	2.977	0.067	1.3	14.1381	0.0000	OK
960 minute summer	Permavoid	1020	2.403	0.100	10.3	0.3725	0.0000	OK
960 minute summer	Pond	1005	2.403	0.114	6.9	30.4169	0.0000	OK
960 minute summer	SW1 16 [MH]	1005	2.401	0.138	1.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	0.9	0.253	0.013	0.0794	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.293	0.003	0.0006	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	0.8				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	2.1	0.469	0.030	0.1306	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.1				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	1.1	0.380	0.016	0.0771	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.2				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	0.4	0.317	0.011	0.0170	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	4.9	0.520	0.029	0.1912	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	0.5	0.499	0.007	0.0035	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	7.5	0.766	0.027	0.0964	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-1.3	-0.314	-0.332	0.0149	
0 minute summer	Permavoid	Permavoid	Pond	6.3	0.014	0.001	135.3754	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.4	0.178	0.254	0.0799	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.4				69

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Results for 1 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	Coach Drop Subbase 1	705	2.913	0.089	1.6	15.7069	0.0000	OK
960 minute summer	SW1 14	495	2.410	0.015	0.3	0.0053	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	0.2	0.111	0.007	0.0152	
960 minute summer	SW1 14	1.0071	SW1 15 [MH]	0.3	0.060	0.002	0.1522	

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Results for 1 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	SW1 5 [MH]	750	2.829	0.021	0.7	0.0356	0.0000	OK
1440 minute summer	Play Area Subbase 2	1020	2.983	0.075	0.3	3.6766	0.0000	OK
1440 minute summer	Informal Outdoor Games Area	870	3.012	0.157	1.7	8.9582	0.0000	OK
1440 minute summer	SW1 7 [MH]	750	2.751	0.033	1.8	0.0000	0.0000	OK
1440 minute summer	SW1 10 [Catchpit IC]	1080	2.974	0.096	1.1	0.2695	0.0000	OK
1440 minute summer	Coach Drop Subbase 2	990	2.990	0.089	1.2	15.5112	0.0000	OK
1440 minute summer	Play Area 1	990	2.905	0.082	0.7	8.2539	0.0000	OK
1440 minute summer	SW1 13 [MH]	750	2.725	0.026	1.0	0.0173	0.0000	OK
1440 minute summer	SW1 12 [IC]	990	2.910	0.091	0.2	0.0000	0.0000	OK
1440 minute summer	SW1 6	720	2.870	0.015	0.3	0.0116	0.0000	OK
1440 minute summer	SW1 8 [MH]	750	2.497	0.048	4.0	0.1120	0.0000	OK
1440 minute summer	Swale 1	810	2.653	0.011	0.4	3.2362	0.0000	OK
1440 minute summer	SW1 15 [MH]	1170	2.410	0.063	5.9	0.1650	0.0000	OK
1440 minute summer	Carpark 1	1080	2.974	0.064	0.9	13.4053	0.0000	OK
1440 minute summer	Permavoid	1410	2.405	0.102	7.9	0.3800	0.0000	OK
1440 minute summer	Pond	1440	2.405	0.116	5.4	31.0619	0.0000	OK
1440 minute summer	SW1 16 [MH]	1440	2.404	0.141	1.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discha Vol (m
40 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	0.7	0.226	0.010	0.0695	
40 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.289	0.003	0.0006	
40 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
40 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
40 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	0.8				
40 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	1.8	0.448	0.025	0.1165	
40 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
40 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
40 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
40 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.2				
40 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.1				
40 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
40 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	1.0	0.371	0.015	0.0714	
40 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.2				
40 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	0.0				
40 minute summer	SW1 6	7.000_1	SW1 7 [MH]	0.3	0.293	0.009	0.0138	
40 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	4.0	0.485	0.024	0.1662	
40 minute summer	Swale 1	9.000	SW1 15 [MH]	0.3	0.458	0.005	0.0029	
40 minute summer	SW1 15 [MH]	1.004	Permavoid	6.6	0.707	0.024	0.0972	
40 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-0.9	-0.244	-0.233	0.0144	
40 minute summer	Permavoid	Permavoid	Pond	5.0	0.009	0.001	138.1047	
40 minute summer	Pond	1.011	SW1 16 [MH]	1.4	0.178	0.255	0.0811	
40 minute summer	SW1 16 [MH]	Hydro-Brake®		1.4				9

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Results for 1 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	Coach Drop Subbase 1	990	2.910	0.086	1.2	14.9252	0.0000	OK
1440 minute summer	SW1 14	1260	2.408	0.013	0.3	0.0045	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	0.2	0.075	0.007	0.0144	
1440 minute summer	SW1 14	1.0071	SW1 15 [MH]	-0.3	0.052	-0.002	0.1478	

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Results for 1 year 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	SW1 5 [MH]	1140	2.826	0.018	0.5	0.0304	0.0000	OK
2160 minute summer	Play Area Subbase 2	1440	2.982	0.074	0.2	3.6389	0.0000	OK
2160 minute summer	Informal Outdoor Games Area	1260	3.003	0.148	1.2	5.7640	0.0000	OK
2160 minute summer	SW1 7 [MH]	1140	2.748	0.030	1.5	0.0000	0.0000	OK
2160 minute summer	SW1 10 [Catchpit IC]	1500	2.975	0.097	0.8	0.2722	0.0000	OK
2160 minute summer	Coach Drop Subbase 2	1440	2.985	0.084	0.8	14.4017	0.0000	OK
2160 minute summer	Play Area 1	1440	2.902	0.079	0.5	7.7506	0.0000	OK
2160 minute summer	SW1 13 [MH]	1200	2.724	0.025	0.9	0.0168	0.0000	OK
2160 minute summer	SW1 12 [IC]	1440	2.904	0.085	0.3	0.0000	0.0000	OK
2160 minute summer	SW1 6	1080	2.868	0.013	0.2	0.0096	0.0000	OK
2160 minute summer	SW1 8 [MH]	1140	2.493	0.044	3.2	0.1022	0.0000	OK
2160 minute summer	Swale 1	1200	2.652	0.010	0.3	2.7616	0.0000	OK
2160 minute summer	SW1 15 [MH]	1680	2.412	0.065	4.8	0.1687	0.0000	OK
2160 minute summer	Carpark 1	1500	2.975	0.065	0.6	13.7021	0.0000	OK
2160 minute summer	Permavoid	1860	2.404	0.101	6.0	0.3767	0.0000	OK
2160 minute summer	Pond	1800	2.404	0.115	5.2	30.7708	0.0000	OK
2160 minute summer	SW1 16 [MH]	1800	2.403	0.140	1.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discha Vol (m
60 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	0.5	0.192	0.007	0.0589	
60 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.288	0.003	0.0006	
60 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
60 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
60 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	0.7				
60 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	1.5	0.421	0.021	0.1020	
60 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
60 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
60 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
60 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.2				
60 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.1				
60 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
60 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	0.9	0.366	0.014	0.0679	
60 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.2				
60 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	0.0				
60 minute summer	SW1 6	7.000_1	SW1 7 [MH]	0.2	0.256	0.006	0.0105	
60 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	3.2	0.457	0.020	0.1446	
60 minute summer	Swale 1	9.000	SW1 15 [MH]	0.2	0.414	0.003	0.0022	
60 minute summer	SW1 15 [MH]	1.004	Permavoid	4.7	0.630	0.017	0.0979	
60 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-0.6	-0.174	-0.160	0.0146	
60 minute summer	Permavoid	Permavoid	Pond	5.1	0.006	0.001	136.8425	
60 minute summer	Pond	1.011	SW1 16 [MH]	1.4	0.178	0.254	0.0806	
60 minute summer	SW1 16 [MH]	Hydro-Brake®		1.4				13

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Results for 1 year 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	Coach Drop Subbase 1	1440	2.904	0.080	0.8	13.7231	0.0000	OK
2160 minute summer	SW1 14	1740	2.406	0.011	0.3	0.0039	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	0.3	0.068	0.008	0.0132	
2160 minute summer	SW1 14	1.0071	SW1 15 [MH]	-0.3	-0.047	-0.002	0.1533	

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Results for 1 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	SW1 5 [MH]	1500	2.824	0.016	0.4	0.0273	0.0000	OK
2880 minute summer	Play Area Subbase 2	1860	2.977	0.069	0.2	3.3430	0.0000	OK
2880 minute summer	Informal Outdoor Games Area	1620	2.996	0.141	1.0	3.8780	0.0000	OK
2880 minute summer	SW1 7 [MH]	1500	2.747	0.029	1.4	0.0000	0.0000	OK
2880 minute summer	SW1 10 [Catchpit IC]	1920	2.968	0.090	0.6	0.2515	0.0000	OK
2880 minute summer	Coach Drop Subbase 2	1860	2.986	0.085	0.7	14.6070	0.0000	OK
2880 minute summer	Play Area 1	1800	2.895	0.072	0.4	6.5092	0.0000	OK
2880 minute summer	SW1 13 [MH]	1500	2.723	0.024	0.9	0.0164	0.0000	OK
2880 minute summer	SW1 12 [IC]	1860	2.905	0.086	0.4	0.0000	0.0000	OK
2880 minute summer	SW1 6	1440	2.868	0.013	0.2	0.0096	0.0000	OK
2880 minute summer	SW1 8 [MH]	1500	2.491	0.042	2.9	0.0975	0.0000	OK
2880 minute summer	Swale 1	1560	2.652	0.010	0.3	2.7723	0.0000	OK
2880 minute summer	SW1 15 [MH]	2040	2.413	0.066	4.5	0.1710	0.0000	OK
2880 minute summer	Carpark 1	1920	2.968	0.058	0.4	11.4361	0.0000	OK
2880 minute summer	Permavoid	2160	2.407	0.104	6.4	0.3862	0.0000	OK
2880 minute summer	Pond	2160	2.407	0.118	4.1	31.4696	0.0000	OK
2880 minute summer	SW1 16 [MH]	2220	2.405	0.142	1.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discha Vol (m
80 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	0.4	0.169	0.006	0.0539	
80 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.285	0.003	0.0005	
80 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
80 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
80 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	0.7				
80 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	1.4	0.410	0.019	0.0963	
80 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
80 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
80 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
80 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.2				
80 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.1				
80 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
80 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	0.9	0.360	0.013	0.0650	
80 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.2				
80 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	0.0				
80 minute summer	SW1 6	7.000_1	SW1 7 [MH]	0.2	0.256	0.006	0.0105	
80 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	2.9	0.448	0.018	0.1330	
80 minute summer	Swale 1	9.000	SW1 15 [MH]	0.2	0.415	0.003	0.0022	
80 minute summer	SW1 15 [MH]	1.004	Permavoid	6.1	0.579	0.022	0.1013	
80 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-0.4	-0.134	-0.111	0.0129	
80 minute summer	Permavoid	Permavoid	Pond	4.0	0.006	0.001	140.0655	
80 minute summer	Pond	1.011	SW1 16 [MH]	1.4	0.176	0.255	0.0818	
80 minute summer	SW1 16 [MH]	Hydro-Brake®		1.4				17

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Results for 1 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	Coach Drop Subbase 1	1860	2.905	0.081	0.7	13.8687	0.0000	OK
2880 minute summer	SW1 14	2280	2.408	0.013	0.3	0.0047	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	0.4	0.068	0.011	0.0134	
2880 minute summer	SW1 14	1.0071	SW1 15 [MH]	-0.3	-0.050	-0.002	0.1594	

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Results for 10 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SW1 5 [MH]	18	2.914	0.106	19.5	0.1791	0.0000	OK
30 minute summer	Play Area Subbase 2	35	3.013	0.105	8.6	5.3252	0.0000	OK
30 minute summer	Informal Outdoor Games Area	34	3.067	0.212	49.0	29.4366	0.0000	OK
30 minute summer	SW1 7 [MH]	18	2.851	0.133	29.7	0.0000	0.0000	OK
30 minute summer	SW1 10 [Catchpit IC]	18	3.355	0.477	31.8	1.3364	0.0000	FLOOD RISK
30 minute summer	Coach Drop Subbase 2	35	3.016	0.115	34.1	21.1548	0.0000	OK
30 minute summer	Play Area 1	35	2.926	0.103	19.5	12.0336	0.0000	OK
30 minute summer	SW1 13 [MH]	18	2.802	0.103	17.4	0.0692	0.0000	OK
30 minute summer	SW1 12 [IC]	34	2.936	0.117	1.0	0.0000	0.0000	OK
30 minute summer	SW1 6	18	2.933	0.078	9.3	0.0599	0.0000	OK
30 minute summer	SW1 8 [MH]	18	2.660	0.211	82.3	0.4925	0.0000	OK
30 minute summer	Swale 1	29	2.667	0.025	13.2	6.9325	0.0000	OK
30 minute summer	SW1 15 [MH]	18	2.560	0.213	128.6	0.5551	0.0000	OK
30 minute summer	Carpark 1	35	2.988	0.078	23.4	17.5483	0.0000	OK
30 minute summer	Permavoid	270	2.384	0.081	186.9	0.3023	0.0000	OK
30 minute summer	Pond	270	2.384	0.095	174.0	25.1996	0.0000	OK
30 minute summer	SW1 16 [MH]	270	2.382	0.119	1.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m³
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	19.5	0.750	0.275	0.5775	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.303	0.003	0.0006	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	0.9				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	29.4	0.984	0.417	0.8755	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	8.1				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	17.5	0.833	0.259	0.5649	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	0.5				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	9.3	0.758	0.265	0.1654	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	82.0	1.170	0.495	1.4232	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	1.8	0.755	0.025	0.0090	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	128.0	1.736	0.469	0.3821	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-23.4	-3.525	-5.859	0.0176	
0 minute summer	Permavoid	Permavoid	Pond	162.0	0.118	0.027	111.6219	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.7	0.264	0.297	0.0684	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.4				20

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Results for 10 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	Coach Drop Subbase 1	34	2.936	0.112	34.1	20.7603	0.0000	OK
30 minute summer	SW1 14	18	2.560	0.165	5.6	0.0587	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	1.0	0.338	0.028	0.0204	
30 minute summer	SW1 14	1.0071	SW1 15 [MH]	6.2	0.125	0.041	1.3409	

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Results for 10 year 60 minute summer. 300 minute analysis at 1 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
60 minute summer	SW1 5 [MH]	33	2.898	0.090	14.3	0.1524	0.0000	OK
60 minute summer	Play Area Subbase 2	64	3.033	0.125	6.3	6.4554	0.0000	OK
60 minute summer	Informal Outdoor Games Area	64	3.082	0.227	35.9	35.1163	0.0000	FLOOD RISK
60 minute summer	SW1 7 [MH]	33	2.831	0.113	22.0	0.0000	0.0000	OK
60 minute summer	SW1 10 [Catchpit IC]	33	3.277	0.399	23.3	1.1180	0.0000	FLOOD RISK
60 minute summer	Coach Drop Subbase 2	64	3.037	0.136	25.0	25.7390	0.0000	OK
60 minute summer	Play Area 1	64	2.941	0.118	14.3	14.6283	0.0000	OK
60 minute summer	SW1 13 [MH]	33	2.768	0.069	8.1	0.0463	0.0000	OK
60 minute summer	SW1 12 [IC]	62	2.951	0.132	1.7	0.0000	0.0000	OK
60 minute summer	SW1 6	33	2.922	0.067	6.8	0.0509	0.0000	OK
60 minute summer	SW1 8 [MH]	33	2.620	0.171	55.7	0.3999	0.0000	OK
60 minute summer	Swale 1	44	2.668	0.026	9.7	7.4810	0.0000	OK
60 minute summer	SW1 15 [MH]	33	2.521	0.174	89.8	0.4544	0.0000	OK
60 minute summer	Carpark 1	64	3.006	0.096	21.8	23.3378	0.0000	OK
60 minute summer	Permavoid	299	2.406	0.103	132.6	0.3840	0.0000	OK
60 minute summer	Pond	300	2.406	0.117	97.1	31.2970	0.0000	OK
60 minute summer	SW1 16 [MH]	300	2.405	0.142	1.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m³
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	14.3	0.684	0.202	0.4631	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.311	0.004	0.0007	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	0.9				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	21.8	0.904	0.309	0.7069	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	1.1				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	7.9	0.666	0.117	0.3203	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	1.4				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	6.8	0.694	0.194	0.1320	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	55.3	1.042	0.334	1.0808	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	2.1	0.793	0.029	0.0100	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	89.4	1.580	0.328	0.2935	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-21.8	-3.111	-5.464	0.0193	
0 minute summer	Permavoid	Permavoid	Pond	87.4	0.066	0.015	139.2603	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.4	0.213	0.255	0.0815	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.4				23

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Results for 10 year 60 minute summer. 300 minute analysis at 1 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
60 minute summer	Coach Drop Subbase 1	62	2.951	0.127	25.0	23.9378	0.0000	OK
60 minute summer	SW1 14	33	2.522	0.127	4.1	0.0449	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	1.7	0.298	0.046	0.0236	
60 minute summer	SW1 14	1.0071	SW1 15 [MH]	4.3	0.103	0.029	0.9856	

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Results for 10 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	SW1 5 [MH]	64	2.882	0.074	9.7	0.1251	0.0000	OK
120 minute summer	Play Area Subbase 2	124	3.062	0.154	4.3	8.0745	0.0000	FLOOD RISK
120 minute summer	Informal Outdoor Games Area	124	3.102	0.247	24.3	42.4971	0.0000	FLOOD RISK
120 minute summer	SW1 7 [MH]	64	2.811	0.093	15.2	0.0000	0.0000	OK
120 minute summer	SW1 10 [Catchpit IC]	64	3.121	0.243	15.8	0.6825	0.0000	SURCHARGED
120 minute summer	Coach Drop Subbase 2	124	3.066	0.165	16.9	32.1123	0.0000	SURCHARGED
120 minute summer	Play Area 1	124	2.961	0.138	9.7	18.2685	0.0000	OK
120 minute summer	SW1 13 [MH]	64	2.754	0.055	5.0	0.0370	0.0000	OK
120 minute summer	SW1 12 [IC]	92	2.962	0.143	2.5	0.0000	0.0000	OK
120 minute summer	SW1 6	64	2.910	0.055	4.6	0.0418	0.0000	OK
120 minute summer	SW1 8 [MH]	64	2.590	0.140	37.8	0.3282	0.0000	OK
120 minute summer	Swale 1	78	2.670	0.028	6.6	8.0489	0.0000	OK
120 minute summer	SW1 15 [MH]	64	2.490	0.143	62.1	0.3740	0.0000	OK
120 minute summer	Carpark 1	126	3.026	0.116	15.4	29.4619	0.0000	SURCHARGED
120 minute summer	Permavoid	354	2.440	0.137	91.3	0.5093	0.0000	OK
120 minute summer	Pond	360	2.440	0.151	58.9	40.9852	0.0000	SURCHARGED
120 minute summer	SW1 16 [MH]	360	2.438	0.175	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	9.7	0.607	0.137	0.3540	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.321	0.004	0.0007	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.0				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	15.2	0.814	0.215	0.5457	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	5.0	0.584	0.075	0.2322	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	2.2				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	4.6	0.620	0.131	0.0999	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	37.8	0.932	0.228	0.8241	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	2.4	0.831	0.034	0.0112	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	62.0	1.428	0.227	0.2252	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-15.4	-2.076	-3.863	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	52.3	0.039	0.009	181.9911	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.5	0.191	0.265	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				27

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Results for 10 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	Coach Drop Subbase 1	92	2.962	0.138	16.9	26.4125	0.0000	OK
120 minute summer	SW1 14	64	2.491	0.096	2.8	0.0340	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	2.5	0.247	0.069	0.0261	
120 minute summer	SW1 14	1.0071	SW1 15 [MH]	2.8	0.138	0.019	0.7187	

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Results for 10 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	SW1 5 [MH]	96	2.872	0.064	7.3	0.1085	0.0000	OK
180 minute summer	Play Area Subbase 2	184	3.074	0.166	3.2	8.7284	0.0000	FLOOD RISK
180 minute summer	Informal Outdoor Games Area	184	3.111	0.256	18.4	45.7187	0.0000	FLOOD RISK
180 minute summer	SW1 7 [MH]	96	2.800	0.082	11.7	0.0000	0.0000	OK
180 minute summer	SW1 10 [Catchpit IC]	96	3.066	0.188	11.9	0.5265	0.0000	SURCHARGED
180 minute summer	Coach Drop Subbase 2	184	3.082	0.181	12.8	35.4801	0.0000	SURCHARGED
180 minute summer	Play Area 1	184	2.972	0.149	7.3	20.2260	0.0000	OK
180 minute summer	SW1 13 [MH]	112	2.752	0.053	4.7	0.0359	0.0000	OK
180 minute summer	SW1 12 [IC]	124	2.967	0.148	2.9	0.0000	0.0000	OK
180 minute summer	SW1 6	96	2.903	0.048	3.5	0.0364	0.0000	OK
180 minute summer	SW1 8 [MH]	96	2.573	0.124	29.3	0.2885	0.0000	OK
180 minute summer	Swale 1	112	2.670	0.028	5.0	7.9975	0.0000	OK
180 minute summer	SW1 15 [MH]	96	2.473	0.126	48.0	0.3276	0.0000	OK
180 minute summer	Carpark 1	188	3.037	0.127	11.5	32.7884	0.0000	SURCHARGED
180 minute summer	Permavoid	420	2.461	0.158	70.1	0.5865	0.0000	OK
180 minute summer	Pond	420	2.461	0.172	45.0	47.0541	0.0000	SURCHARGED
180 minute summer	SW1 16 [MH]	420	2.459	0.196	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	7.3	0.554	0.103	0.2920	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.324	0.004	0.0007	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.0				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	11.7	0.757	0.166	0.4529	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	4.7	0.574	0.070	0.2211	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	2.6				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	3.5	0.574	0.100	0.0822	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	29.2	0.864	0.176	0.6870	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	2.4	0.828	0.034	0.0111	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	48.0	1.328	0.176	0.2087	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-11.5	-1.531	-2.891	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	40.1	0.034	0.007	208.2038	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.5	0.186	0.268	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				31

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Results for 10 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	Coach Drop Subbase 1	124	2.967	0.143	12.8	27.4893	0.0000	OK
180 minute summer	SW1 14	96	2.473	0.078	2.7	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)
180 minute summer	Coach Drop Subbase 1	7.000	SW1 12 [IC]	2.9	0.235	0.081	0.0272	
180 minute summer	SW1 14	1.0071	SW1 15 [MH]	-2.6	-0.146	-0.017	0.5743	

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Results for 10 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	SW1 5 [MH]	124	2.867	0.059	6.2	0.0998	0.0000	OK
240 minute summer	Play Area Subbase 2	244	3.086	0.178	2.7	9.3937	0.0000	FLOOD RISK
240 minute summer	Informal Outdoor Games Area	244	3.115	0.260	15.6	47.1231	0.0000	FLOOD RISK
240 minute summer	SW1 7 [MH]	124	2.793	0.075	10.0	0.0000	0.0000	OK
240 minute summer	SW1 10 [Catchpit IC]	128	3.051	0.173	10.1	0.4847	0.0000	SURCHARGED
240 minute summer	Coach Drop Subbase 2	244	3.092	0.191	10.8	37.6606	0.0000	SURCHARGED
240 minute summer	Play Area 1	244	2.979	0.156	6.2	21.4270	0.0000	OK
240 minute summer	SW1 13 [MH]	148	2.753	0.054	4.8	0.0362	0.0000	OK
240 minute summer	SW1 12 [IC]	156	2.969	0.150	3.1	0.0000	0.0000	OK
240 minute summer	SW1 6	124	2.898	0.043	2.9	0.0331	0.0000	OK
240 minute summer	SW1 8 [MH]	124	2.562	0.113	24.7	0.2650	0.0000	OK
240 minute summer	Swale 1	144	2.670	0.028	4.2	7.7912	0.0000	OK
240 minute summer	SW1 15 [MH]	248	2.484	0.137	40.6	0.3580	0.0000	OK
240 minute summer	Carpark 1	244	3.044	0.134	9.7	34.9379	0.0000	SURCHARGED
240 minute summer	Permavoid	480	2.476	0.173	59.1	0.6430	0.0000	OK
240 minute summer	Pond	480	2.476	0.187	37.9	51.5898	0.0000	SURCHARGED
240 minute summer	SW1 16 [MH]	480	2.474	0.211	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	6.2	0.525	0.087	0.2588	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.328	0.005	0.0008	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.0				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	9.9	0.721	0.140	0.3998	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	4.8	0.577	0.071	0.2242	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	2.8				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	2.9	0.543	0.082	0.0714	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	24.6	0.823	0.148	0.6066	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	2.3	0.814	0.032	0.0107	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	40.4	1.264	0.148	0.2402	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-9.7	-1.271	-2.426	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	33.7	0.031	0.006	227.4193	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.5	0.183	0.271	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				35

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Results for 10 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	Coach Drop Subbase 1	156	2.969	0.145	10.8	27.9007	0.0000	OK
240 minute summer	SW1 14	464	2.478	0.083	3.9	0.0293	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	3.1	0.237	0.085	0.0276	
240 minute summer	SW1 14	1.0071	SW1 15 [MH]	3.8	0.170	0.025	0.6127	

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Results for 10 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	SW1 5 [MH]	184	2.860	0.052	4.7	0.0872	0.0000	OK
360 minute summer	Play Area Subbase 2	360	3.096	0.188	2.1	9.9866	0.0000	FLOOD RISK
360 minute summer	Informal Outdoor Games Area	360	3.114	0.259	11.7	46.9737	0.0000	FLOOD RISK
360 minute summer	SW1 7 [MH]	184	2.784	0.066	7.8	0.0000	0.0000	OK
360 minute summer	SW1 10 [Catchpit IC]	360	3.052	0.174	7.6	0.4881	0.0000	SURCHARGED
360 minute summer	Coach Drop Subbase 2	360	3.102	0.201	8.1	39.8440	0.0000	FLOOD RISK
360 minute summer	Play Area 1	360	2.984	0.161	4.7	22.3517	0.0000	OK
360 minute summer	SW1 13 [MH]	216	2.752	0.053	4.7	0.0358	0.0000	OK
360 minute summer	SW1 12 [IC]	224	2.969	0.150	3.1	0.0000	0.0000	OK
360 minute summer	SW1 6	184	2.893	0.038	2.2	0.0289	0.0000	OK
360 minute summer	SW1 8 [MH]	184	2.550	0.101	19.5	0.2358	0.0000	OK
360 minute summer	Swale 1	208	2.668	0.026	3.2	7.2610	0.0000	OK
360 minute summer	SW1 15 [MH]	568	2.503	0.156	31.6	0.4079	0.0000	OK
360 minute summer	Carpark 1	368	3.052	0.142	7.3	37.3752	0.0000	SURCHARGED
360 minute summer	Permavoid	600	2.495	0.192	45.6	0.7145	0.0000	OK
360 minute summer	Pond	600	2.495	0.206	29.2	57.3742	0.0000	SURCHARGED
360 minute summer	SW1 16 [MH]	600	2.493	0.230	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	4.7	0.478	0.066	0.2151	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.331	0.005	0.0008	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.0				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	7.7	0.671	0.109	0.3347	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	4.7	0.573	0.070	0.2201	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	2.8				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	2.2	0.502	0.062	0.0585	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	19.4	0.768	0.117	0.5122	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	1.9	0.778	0.028	0.0096	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	31.5	1.176	0.115	0.2849	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-7.3	-0.940	-1.819	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	26.1	0.027	0.004	251.6758	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.5	0.179	0.272	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				42

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Results for 10 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	Coach Drop Subbase 1	224	2.969	0.145	8.1	27.8648	0.0000	OK
360 minute summer	SW1 14	592	2.498	0.103	3.1	0.0365	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	3.1	0.112	0.085	0.0275	
360 minute summer	SW1 14	1.0071	SW1 15 [MH]	4.2	0.181	0.028	0.7744	

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Results for 10 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	SW1 5 [MH]	248	2.854	0.046	3.6	0.0768	0.0000	OK
480 minute summer	Play Area Subbase 2	456	3.098	0.190	1.6	10.0534	0.0000	FLOOD RISK
480 minute summer	Informal Outdoor Games Area	408	3.111	0.256	9.0	45.6593	0.0000	FLOOD RISK
480 minute summer	SW1 7 [MH]	248	2.778	0.060	6.3	0.0000	0.0000	OK
480 minute summer	SW1 10 [Catchpit IC]	480	3.055	0.177	5.9	0.4967	0.0000	SURCHARGED
480 minute summer	Coach Drop Subbase 2	480	3.106	0.205	6.3	40.7389	0.0000	FLOOD RISK
480 minute summer	Play Area 1	480	2.987	0.164	3.6	22.8424	0.0000	OK
480 minute summer	SW1 13 [MH]	280	2.751	0.052	4.5	0.0349	0.0000	OK
480 minute summer	SW1 12 [IC]	288	2.967	0.148	2.9	0.0000	0.0000	OK
480 minute summer	SW1 6	248	2.889	0.034	1.7	0.0256	0.0000	OK
480 minute summer	SW1 8 [MH]	248	2.541	0.092	16.1	0.2154	0.0000	OK
480 minute summer	Swale 1	272	2.666	0.024	2.4	6.8053	0.0000	OK
480 minute summer	SW1 15 [MH]	664	2.516	0.169	25.9	0.4407	0.0000	OK
480 minute summer	Carpark 1	488	3.055	0.145	5.6	38.3046	0.0000	SURCHARGED
480 minute summer	Permavoid	720	2.508	0.205	36.8	0.7634	0.0000	OK
480 minute summer	Pond	720	2.508	0.219	23.7	61.4815	0.0000	SURCHARGED
480 minute summer	SW1 16 [MH]	720	2.506	0.243	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	3.6	0.436	0.051	0.1830	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.331	0.005	0.0008	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.0				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	6.3	0.635	0.089	0.2874	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	4.4	0.566	0.066	0.2116	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	2.6				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	1.7	0.469	0.048	0.0488	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	16.1	0.729	0.097	0.4650	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	1.7	0.746	0.024	0.0087	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	26.3	1.111	0.096	0.3138	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-5.6	-0.731	-1.410	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	21.3	0.025	0.004	268.4706	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.5	0.179	0.273	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				50

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Results for 10 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	Coach Drop Subbase 1	288	2.967	0.143	6.3	27.4688	0.0000	OK
480 minute summer	SW1 14	672	2.510	0.115	4.5	0.0410	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	2.9	0.136	0.080	0.0271	
480 minute summer	SW1 14	1.0071	SW1 15 [MH]	4.6	-0.161	0.030	0.8851	

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Results for 10 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	SW1 5 [MH]	315	2.849	0.041	2.9	0.0692	0.0000	OK
600 minute summer	Play Area Subbase 2	510	3.092	0.184	1.3	9.7297	0.0000	FLOOD RISK
600 minute summer	Informal Outdoor Games Area	465	3.106	0.251	7.3	43.8324	0.0000	FLOOD RISK
600 minute summer	SW1 7 [MH]	315	2.773	0.055	5.3	0.0000	0.0000	OK
600 minute summer	SW1 10 [Catchpit IC]	600	3.056	0.178	4.7	0.5001	0.0000	SURCHARGED
600 minute summer	Coach Drop Subbase 2	600	3.107	0.206	5.0	40.9405	0.0000	FLOOD RISK
600 minute summer	Play Area 1	600	2.987	0.164	2.9	22.9007	0.0000	OK
600 minute summer	SW1 13 [MH]	345	2.749	0.050	4.2	0.0339	0.0000	OK
600 minute summer	SW1 12 [IC]	360	2.964	0.145	2.7	0.0000	0.0000	OK
600 minute summer	SW1 6	315	2.886	0.031	1.4	0.0234	0.0000	OK
600 minute summer	SW1 8 [MH]	315	2.535	0.086	13.8	0.1999	0.0000	OK
600 minute summer	Swale 1	330	2.665	0.023	2.0	6.4899	0.0000	OK
600 minute summer	SW1 15 [MH]	600	2.527	0.180	23.4	0.4703	0.0000	OK
600 minute summer	Carpark 1	600	3.056	0.146	4.4	38.6876	0.0000	SURCHARGED
600 minute summer	Permavoid	840	2.518	0.215	30.9	0.7989	0.0000	OK
600 minute summer	Pond	840	2.518	0.229	19.8	64.3568	0.0000	SURCHARGED
600 minute summer	SW1 16 [MH]	840	2.515	0.252	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	2.9	0.402	0.041	0.1601	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.329	0.005	0.0008	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.0				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	5.3	0.603	0.074	0.2545	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	4.2	0.557	0.062	0.2028	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	2.4				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	1.4	0.442	0.040	0.0427	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	13.8	0.693	0.083	0.5353	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	1.5	0.724	0.022	0.0081	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	26.0	1.034	0.095	0.3362	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-4.4	-0.586	-1.115	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	17.8	0.024	0.003	280.3723	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.5	0.177	0.273	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				58

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Results for 10 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	Coach Drop Subbase 1	360	2.964	0.140	5.0	26.8975	0.0000	OK
600 minute summer	SW1 14	840	2.521	0.126	4.2	0.0446	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	2.7	0.102	0.074	0.0266	
600 minute summer	SW1 14	1.0071	SW1 15 [MH]	4.3	-0.152	0.028	0.9715	

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Results for 10 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	SW1 5 [MH]	375	2.846	0.038	2.5	0.0645	0.0000	OK
720 minute summer	Play Area Subbase 2	570	3.089	0.181	1.1	9.5949	0.0000	FLOOD RISK
720 minute summer	Informal Outdoor Games Area	525	3.101	0.246	6.4	41.9878	0.0000	FLOOD RISK
720 minute summer	SW1 7 [MH]	375	2.770	0.052	4.6	0.0000	0.0000	OK
720 minute summer	SW1 10 [Catchpit IC]	720	3.056	0.178	4.1	0.4977	0.0000	SURCHARGED
720 minute summer	Coach Drop Subbase 2	720	3.103	0.202	4.4	40.2041	0.0000	FLOOD RISK
720 minute summer	Play Area 1	660	2.983	0.160	2.5	22.1598	0.0000	OK
720 minute summer	SW1 13 [MH]	420	2.747	0.048	3.9	0.0326	0.0000	OK
720 minute summer	SW1 12 [IC]	420	2.962	0.143	2.5	0.0000	0.0000	OK
720 minute summer	SW1 6	375	2.883	0.028	1.2	0.0217	0.0000	OK
720 minute summer	SW1 8 [MH]	375	2.530	0.081	12.4	0.1899	0.0000	OK
720 minute summer	Swale 1	390	2.664	0.022	1.7	6.0994	0.0000	OK
720 minute summer	SW1 15 [MH]	825	2.531	0.184	23.0	0.4791	0.0000	OK
720 minute summer	Carpark 1	720	3.056	0.146	3.9	38.4237	0.0000	SURCHARGED
720 minute summer	Permavoid	960	2.525	0.222	27.0	0.8266	0.0000	OK
720 minute summer	Pond	960	2.525	0.236	17.5	66.6925	0.0000	SURCHARGED
720 minute summer	SW1 16 [MH]	960	2.523	0.260	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	2.5	0.380	0.035	0.1459	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.329	0.005	0.0008	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.0				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	4.6	0.582	0.066	0.2328	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	3.9	0.545	0.057	0.1906	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	2.2				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	1.2	0.426	0.034	0.0380	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	12.4	0.675	0.075	0.5733	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	1.3	0.696	0.019	0.0074	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	22.8	0.972	0.083	0.3481	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-3.9	-0.513	-0.967	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	15.8	0.022	0.003	289.8249	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.5	0.177	0.273	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				66

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Results for 10 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	Coach Drop Subbase 1	420	2.962	0.138	4.4	26.3082	0.0000	OK
720 minute summer	SW1 14	960	2.527	0.132	4.2	0.0469	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	2.5	0.096	0.068	0.0260	
720 minute summer	SW1 14	1.0071	SW1 15 [MH]	-4.1	-0.131	-0.027	1.0170	

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Results for 10 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	SW1 5 [MH]	495	2.842	0.034	2.0	0.0581	0.0000	OK
960 minute summer	Play Area Subbase 2	690	3.090	0.182	0.9	9.6314	0.0000	FLOOD RISK
960 minute summer	Informal Outdoor Games Area	675	3.093	0.238	5.1	39.0358	0.0000	FLOOD RISK
960 minute summer	SW1 7 [MH]	495	2.766	0.048	3.9	0.0000	0.0000	OK
960 minute summer	SW1 10 [Catchpit IC]	960	3.054	0.176	3.3	0.4923	0.0000	SURCHARGED
960 minute summer	Coach Drop Subbase 2	855	3.100	0.199	3.5	39.4821	0.0000	SURCHARGED
960 minute summer	Play Area 1	780	2.982	0.159	2.0	21.9486	0.0000	OK
960 minute summer	SW1 13 [MH]	540	2.745	0.046	3.5	0.0312	0.0000	OK
960 minute summer	SW1 12 [IC]	540	2.958	0.139	2.2	0.0000	0.0000	OK
960 minute summer	SW1 6	495	2.881	0.026	1.0	0.0200	0.0000	OK
960 minute summer	SW1 8 [MH]	1185	2.538	0.089	10.5	0.2069	0.0000	OK
960 minute summer	Swale 1	510	2.662	0.020	1.4	5.6307	0.0000	OK
960 minute summer	SW1 15 [MH]	1200	2.544	0.197	24.6	0.5146	0.0000	OK
960 minute summer	Carpark 1	960	3.054	0.144	3.1	37.8344	0.0000	SURCHARGED
960 minute summer	Permavoid	1200	2.537	0.234	30.9	0.8707	0.0000	OK
960 minute summer	Pond	1200	2.537	0.248	14.6	70.5032	0.0000	SURCHARGED
960 minute summer	SW1 16 [MH]	1200	2.535	0.272	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	2.0	0.347	0.028	0.1280	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.329	0.005	0.0008	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	0.9				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	3.9	0.558	0.056	0.2058	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	3.5	0.531	0.052	0.1786	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	1.9				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	1.0	0.406	0.028	0.0332	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	10.5	0.645	0.063	0.6830	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	1.1	0.662	0.016	0.0066	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	26.8	0.841	0.098	0.3811	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-3.1	-0.411	-0.769	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	14.1	0.020	0.002	305.0034	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.5	0.178	0.273	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				83

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Results for 10 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	Coach Drop Subbase 1	540	2.958	0.134	3.5	25.4216	0.0000	OK
960 minute summer	SW1 14	1140	2.539	0.144	4.9	0.0510	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	2.2	0.087	0.060	0.0251	
960 minute summer	SW1 14	1.0071	SW1 15 [MH]	-4.8	0.172	-0.032	1.1484	

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Results for 10 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	SW1 5 [MH]	750	2.837	0.029	1.4	0.0490	0.0000	OK
1440 minute summer	Play Area Subbase 2	960	3.083	0.175	0.6	9.2534	0.0000	FLOOD RISK
1440 minute summer	Informal Outdoor Games Area	930	3.078	0.223	3.5	33.4876	0.0000	OK
1440 minute summer	SW1 7 [MH]	750	2.760	0.042	3.0	0.0000	0.0000	OK
1440 minute summer	SW1 10 [Catchpit IC]	1260	3.051	0.173	2.3	0.4838	0.0000	SURCHARGED
1440 minute summer	Coach Drop Subbase 2	1080	3.090	0.189	2.4	37.2562	0.0000	SURCHARGED
1440 minute summer	Play Area 1	1050	2.974	0.151	1.4	20.4956	0.0000	OK
1440 minute summer	SW1 13 [MH]	810	2.741	0.042	2.8	0.0281	0.0000	OK
1440 minute summer	SW1 12 [IC]	810	2.951	0.132	1.7	0.0000	0.0000	OK
1440 minute summer	SW1 6	750	2.877	0.022	0.7	0.0169	0.0000	OK
1440 minute summer	SW1 8 [MH]	1650	2.551	0.102	7.9	0.2382	0.0000	OK
1440 minute summer	Swale 1	780	2.659	0.017	0.9	4.8241	0.0000	OK
1440 minute summer	SW1 15 [MH]	1530	2.554	0.207	22.7	0.5399	0.0000	OK
1440 minute summer	Carpark 1	1260	3.051	0.141	2.1	36.8993	0.0000	SURCHARGED
1440 minute summer	Permavoid	1680	2.550	0.247	25.4	0.9189	0.0000	OK
1440 minute summer	Pond	1680	2.550	0.261	10.6	74.5622	0.0000	SURCHARGED
1440 minute summer	SW1 16 [MH]	1680	2.548	0.285	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discha Vol (m
40 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	1.4	0.301	0.020	0.1039	
40 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.327	0.005	0.0008	
40 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
40 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
40 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	0.9				
40 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	3.0	0.516	0.043	0.1710	
40 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
40 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
40 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
40 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
40 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
40 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
40 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	2.8	0.495	0.042	0.1537	
40 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
40 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	1.4				
40 minute summer	SW1 6	7.000_1	SW1 7 [MH]	0.7	0.364	0.020	0.0259	
40 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	7.9	0.591	0.048	0.7657	
40 minute summer	Swale 1	9.000	SW1 15 [MH]	0.8	0.596	0.012	0.0052	
40 minute summer	SW1 15 [MH]	1.004	Permavoid	23.5	0.682	0.086	0.4047	
40 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-2.1	-0.287	-0.522	0.0194	
40 minute summer	Permavoid	Permavoid	Pond	9.7	0.018	0.002	321.2907	
40 minute summer	Pond	1.011	SW1 16 [MH]	1.5	0.178	0.273	0.0898	
40 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				11

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Results for 10 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	Coach Drop Subbase 1	810	2.951	0.127	2.4	23.9579	0.0000	OK
1440 minute summer	SW1 14	1650	2.552	0.157	4.2	0.0558	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	Coach Drop Subbase 1	7.000	SW1 12 [IC]	1.7	0.072	0.046	0.0236	
1440 minute summer	SW1 14	1.0071	SW1 15 [MH]	4.1	-0.140	0.027	1.2485	

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Results for 10 year 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	SW1 5 [MH]	1140	2.833	0.025	1.0	0.0419	0.0000	OK
2160 minute summer	Play Area Subbase 2	1800	3.067	0.159	0.4	8.3364	0.0000	FLOOD RISK
2160 minute summer	Informal Outdoor Games Area	1380	3.063	0.208	2.4	27.8577	0.0000	OK
2160 minute summer	SW1 7 [MH]	1140	2.756	0.038	2.4	0.0000	0.0000	OK
2160 minute summer	SW1 10 [Catchpit IC]	1620	3.039	0.161	1.6	0.4508	0.0000	SURCHARGED
2160 minute summer	Coach Drop Subbase 2	1500	3.081	0.180	1.7	35.4469	0.0000	SURCHARGED
2160 minute summer	Play Area 1	1560	2.960	0.137	1.0	18.0053	0.0000	OK
2160 minute summer	SW1 13 [MH]	1200	2.737	0.038	2.3	0.0257	0.0000	OK
2160 minute summer	SW1 12 [IC]	1200	2.945	0.126	1.3	0.0000	0.0000	OK
2160 minute summer	SW1 6	1140	2.874	0.019	0.5	0.0145	0.0000	OK
2160 minute summer	SW1 8 [MH]	2220	2.560	0.111	6.2	0.2599	0.0000	OK
2160 minute summer	Swale 1	1140	2.656	0.014	0.6	4.0659	0.0000	OK
2160 minute summer	SW1 15 [MH]	2280	2.562	0.215	21.0	0.5614	0.0000	OK
2160 minute summer	Carpark 1	1620	3.039	0.129	1.4	33.2800	0.0000	SURCHARGED
2160 minute summer	Permavoid	2280	2.560	0.257	18.6	0.9554	0.0000	OK
2160 minute summer	Pond	2280	2.560	0.271	9.0	77.7213	0.0000	SURCHARGED
2160 minute summer	SW1 16 [MH]	2280	2.558	0.295	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discha Vol (m
60 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	1.0	0.260	0.014	0.0864	
60 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.322	0.004	0.0007	
60 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
60 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
60 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	0.9				
60 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	2.4	0.485	0.034	0.1445	
60 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
60 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
60 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
60 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.3				
60 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
60 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
60 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	2.3	0.472	0.035	0.1328	
60 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
60 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	1.0				
60 minute summer	SW1 6	7.000_1	SW1 7 [MH]	0.5	0.334	0.014	0.0202	
60 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	6.2	0.556	0.038	0.8494	
60 minute summer	Swale 1	9.000	SW1 15 [MH]	0.6	0.531	0.008	0.0040	
60 minute summer	SW1 15 [MH]	1.004	Permavoid	15.7	0.578	0.057	0.4282	
60 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-1.4	-0.208	-0.350	0.0194	
60 minute summer	Permavoid	Permavoid	Pond	8.8	0.008	0.001	333.7336	
60 minute summer	Pond	1.011	SW1 16 [MH]	1.5	0.178	0.273	0.0898	
60 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				16

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Results for 10 year 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	Coach Drop Subbase 1	1200	2.945	0.121	1.7	22.7294	0.0000	OK
2160 minute summer	SW1 14	2220	2.561	0.166	2.9	0.0590	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	Coach Drop Subbase 1	7.000	SW1 12 [IC]	1.3	0.063	0.036	0.0224	
2160 minute summer	SW1 14	1.0071	SW1 15 [MH]	3.7	0.101	0.025	1.3451	

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Results for 10 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	SW1 5 [MH]	1500	2.830	0.022	0.8	0.0378	0.0000	OK
2880 minute summer	Play Area Subbase 2	2160	3.057	0.149	0.3	7.7707	0.0000	OK
2880 minute summer	Informal Outdoor Games Area	1740	3.047	0.192	1.9	21.9755	0.0000	OK
2880 minute summer	SW1 7 [MH]	1500	2.753	0.035	2.1	0.0000	0.0000	OK
2880 minute summer	SW1 10 [Catchpit IC]	2040	3.036	0.158	1.3	0.4419	0.0000	SURCHARGED
2880 minute summer	Coach Drop Subbase 2	1920	3.067	0.166	1.3	32.2434	0.0000	SURCHARGED
2880 minute summer	Play Area 1	1980	2.955	0.132	0.8	17.1579	0.0000	OK
2880 minute summer	SW1 13 [MH]	1560	2.734	0.035	2.0	0.0237	0.0000	OK
2880 minute summer	SW1 12 [IC]	1620	2.940	0.121	1.0	0.0000	0.0000	OK
2880 minute summer	SW1 6	1500	2.872	0.017	0.4	0.0131	0.0000	OK
2880 minute summer	SW1 8 [MH]	2940	2.558	0.109	5.1	0.2556	0.0000	OK
2880 minute summer	Swale 1	1500	2.655	0.013	0.5	3.7250	0.0000	OK
2880 minute summer	SW1 15 [MH]	2760	2.562	0.215	22.1	0.5600	0.0000	OK
2880 minute summer	Carpark 1	2040	3.036	0.126	1.1	32.3048	0.0000	SURCHARGED
2880 minute summer	Permavoid	2880	2.558	0.255	25.3	0.9484	0.0000	OK
2880 minute summer	Pond	2880	2.558	0.269	13.5	77.0867	0.0000	SURCHARGED
2880 minute summer	SW1 16 [MH]	2880	2.556	0.293	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discha Vol (m
80 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	0.8	0.234	0.011	0.0768	
80 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.319	0.004	0.0007	
80 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
80 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
80 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	0.8				
80 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	2.1	0.467	0.029	0.1295	
80 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
80 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.2				
80 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
80 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.3				
80 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
80 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
80 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	2.0	0.451	0.029	0.1169	
80 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
80 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	0.7				
80 minute summer	SW1 6	7.000_1	SW1 7 [MH]	0.4	0.317	0.011	0.0170	
80 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	5.2	0.522	0.031	0.8345	
80 minute summer	Swale 1	9.000	SW1 15 [MH]	0.5	0.502	0.007	0.0036	
80 minute summer	SW1 15 [MH]	1.004	Permavoid	21.9	0.535	0.080	0.4243	
80 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-1.1	-0.166	-0.276	0.0194	
80 minute summer	Permavoid	Permavoid	Pond	13.1	0.008	0.002	331.2922	
80 minute summer	Pond	1.011	SW1 16 [MH]	1.5	0.177	0.273	0.0898	
80 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				21

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Results for 10 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	Coach Drop Subbase 1	1620	2.940	0.116	1.3	21.4699	0.0000	OK
2880 minute summer	SW1 14	2940	2.559	0.164	3.7	0.0583	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	1.0	0.068	0.027	0.0211	
2880 minute summer	SW1 14	1.0071	SW1 15 [MH]	3.9	0.174	0.026	1.3254	

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Results for 30 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SW1 5 [MH]	18	2.935	0.127	26.8	0.2134	0.0000	OK
30 minute summer	Play Area Subbase 2	35	3.049	0.141	11.8	7.3211	0.0000	OK
30 minute summer	Informal Outdoor Games Area	34	3.098	0.243	67.2	40.7990	0.0000	FLOOD RISK
30 minute summer	SW1 7 [MH]	18	2.878	0.160	40.4	0.0000	0.0000	OK
30 minute summer	SW1 10 [Catchpit IC]	18	3.422	0.544	43.6	1.5246	0.0000	FLOOD RISK
30 minute summer	Coach Drop Subbase 2	35	3.052	0.151	46.8	29.0928	0.0000	SURCHARGED
30 minute summer	Play Area 1	35	2.952	0.129	26.8	16.6093	0.0000	OK
30 minute summer	SW1 13 [MH]	18	2.836	0.137	29.5	0.0918	0.0000	OK
30 minute summer	SW1 12 [IC]	32	2.966	0.147	2.9	0.0000	0.0000	OK
30 minute summer	SW1 6	18	2.948	0.093	12.7	0.0708	0.0000	OK
30 minute summer	SW1 8 [MH]	18	2.707	0.258	118.6	0.6020	0.0000	OK
30 minute summer	Swale 1	26	2.674	0.032	18.2	9.0477	0.0000	OK
30 minute summer	SW1 15 [MH]	18	2.610	0.263	182.6	0.6862	0.0000	OK
30 minute summer	Carpark 1	35	3.002	0.092	26.2	21.9456	0.0000	OK
30 minute summer	Permavoid	268	2.422	0.119	262.9	0.4427	0.0000	OK
30 minute summer	Pond	270	2.422	0.133	228.4	35.7981	0.0000	OK
30 minute summer	SW1 16 [MH]	270	2.420	0.157	1.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	26.8	0.812	0.379	0.7285	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.317	0.004	0.0008	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.0				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	40.3	1.078	0.571	1.0916	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	17.1				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	29.7	0.971	0.440	0.8225	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	2.5				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	12.7	0.826	0.362	0.2071	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	118.4	1.316	0.714	1.8266	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	3.1	0.895	0.044	0.0133	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	182.1	1.892	0.667	0.4987	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-26.2	-3.794	-6.554	0.0190	
0 minute summer	Permavoid	Permavoid	Pond	210.3	0.126	0.035	159.2298	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.9	0.279	0.333	0.0870	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				22

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Results for 30 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	Coach Drop Subbase 1	32	2.966	0.142	46.8	27.2536	0.0000	OK
30 minute summer	SW1 14	18	2.610	0.215	7.7	0.0764	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	Coach Drop Subbase 1	7.000	SW1 12 [IC]	2.9	0.356	0.078	0.0269	
30 minute summer	SW1 14	1.0071	SW1 15 [MH]	8.4	0.127	0.056	1.8150	

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Results for 30 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	SW1 5 [MH]	33	2.915	0.107	19.8	0.1806	0.0000	OK
60 minute summer	Play Area Subbase 2	64	3.079	0.171	8.7	9.0053	0.0000	FLOOD RISK
60 minute summer	Informal Outdoor Games Area	64	3.121	0.266	49.7	49.5422	0.0000	FLOOD RISK
60 minute summer	SW1 7 [MH]	33	2.853	0.135	30.1	0.0000	0.0000	OK
60 minute summer	SW1 10 [Catchpit IC]	33	3.345	0.467	32.2	1.3091	0.0000	FLOOD RISK
60 minute summer	Coach Drop Subbase 2	65	3.083	0.182	34.6	35.7606	0.0000	SURCHARGED
60 minute summer	Play Area 1	64	2.973	0.150	19.8	20.4225	0.0000	OK
60 minute summer	SW1 13 [MH]	33	2.799	0.100	16.7	0.0673	0.0000	OK
60 minute summer	SW1 12 [IC]	54	2.980	0.161	4.1	0.0000	0.0000	OK
60 minute summer	SW1 6	33	2.934	0.079	9.4	0.0603	0.0000	OK
60 minute summer	SW1 8 [MH]	33	2.660	0.211	82.5	0.4926	0.0000	OK
60 minute summer	Swale 1	42	2.677	0.035	13.4	9.8063	0.0000	OK
60 minute summer	SW1 15 [MH]	33	2.562	0.215	130.6	0.5603	0.0000	OK
60 minute summer	Carpark 1	65	3.030	0.120	24.8	30.7109	0.0000	SURCHARGED
60 minute summer	Permavoid	295	2.453	0.150	190.1	0.5598	0.0000	OK
60 minute summer	Pond	299	2.453	0.164	128.7	44.9476	0.0000	SURCHARGED
60 minute summer	SW1 16 [MH]	298	2.451	0.188	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	19.8	0.749	0.280	0.5845	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.326	0.004	0.0008	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.0				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	30.0	0.989	0.425	0.8868	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	7.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	16.6	0.821	0.246	0.5443	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	3.8				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	9.4	0.760	0.268	0.1667	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	82.3	1.172	0.496	1.4245	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	3.6	0.942	0.052	0.0149	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	130.3	1.745	0.477	0.3869	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-24.8	-3.375	-6.207	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	115.3	0.062	0.019	199.1249	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.5	0.211	0.272	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				24

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Results for 30 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	Coach Drop Subbase 1	54	2.980	0.156	34.6	30.2642	0.0000	OK
60 minute summer	SW1 14	33	2.562	0.167	5.7	0.0593	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	4.1	0.316	0.112	0.0298	
60 minute summer	SW1 14	1.0071	SW1 15 [MH]	5.9	0.152	0.039	1.3588	

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Results for 30 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	SW1 5 [MH]	64	2.895	0.087	13.4	0.1474	0.0000	OK
120 minute summer	Play Area Subbase 2	124	3.118	0.210	5.9	11.1776	0.0000	FLOOD RISK
120 minute summer	Informal Outdoor Games Area	124	3.150	0.295	33.6	60.4003	0.0000	FLOOD RISK
120 minute summer	SW1 7 [MH]	64	2.828	0.110	20.8	0.0000	0.0000	OK
120 minute summer	SW1 10 [Catchpit IC]	66	3.271	0.393	21.8	1.1010	0.0000	FLOOD RISK
120 minute summer	Coach Drop Subbase 2	124	3.124	0.223	23.4	44.6460	0.0000	FLOOD RISK
120 minute summer	Play Area 1	124	3.002	0.179	13.4	25.4521	0.0000	OK
120 minute summer	SW1 13 [MH]	66	2.774	0.075	9.2	0.0502	0.0000	OK
120 minute summer	SW1 12 [IC]	82	2.994	0.175	5.5	0.0000	0.0000	OK
120 minute summer	SW1 6	64	2.920	0.065	6.4	0.0493	0.0000	OK
120 minute summer	SW1 8 [MH]	64	2.616	0.167	53.2	0.3905	0.0000	OK
120 minute summer	Swale 1	76	2.678	0.036	9.1	10.2065	0.0000	OK
120 minute summer	SW1 15 [MH]	64	2.518	0.171	87.0	0.4469	0.0000	OK
120 minute summer	Carpark 1	126	3.064	0.154	20.4	40.9611	0.0000	SURCHARGED
120 minute summer	Permavoid	360	2.498	0.195	127.3	0.7256	0.0000	OK
120 minute summer	Pond	360	2.498	0.209	81.1	58.2689	0.0000	SURCHARGED
120 minute summer	SW1 16 [MH]	360	2.496	0.233	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	13.4	0.668	0.189	0.4443	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.336	0.005	0.0008	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.1				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	20.8	0.890	0.294	0.6817	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.7				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	9.4	0.699	0.139	0.3602	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	5.2				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	6.4	0.682	0.182	0.1264	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	53.0	1.026	0.320	1.0479	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	4.0	0.964	0.056	0.0158	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	86.9	1.568	0.318	0.2928	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-20.4	-2.621	-5.113	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	72.1	0.043	0.012	255.4111	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.5	0.189	0.273	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				28

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Results for 30 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	Coach Drop Subbase 1	82	2.994	0.170	23.4	33.4078	0.0000	OK
120 minute summer	SW1 14	64	2.519	0.124	5.2	0.0439	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	Coach Drop Subbase 1	7.000	SW1 12 [IC]	5.5	0.285	0.152	0.0327	
120 minute summer	SW1 14	1.0071	SW1 15 [MH]	-5.1	-0.174	-0.033	0.9599	

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Results for 30 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	SW1 5 [MH]	96	2.884	0.076	10.2	0.1283	0.0000	OK
180 minute summer	Play Area Subbase 2	184	3.142	0.234	4.5	12.5088	0.0000	FLOOD RISK
180 minute summer	Informal Outdoor Games Area	184	3.166	0.311	25.5	66.2225	0.0000	FLOOD RISK
180 minute summer	SW1 7 [MH]	96	2.814	0.096	16.0	0.0000	0.0000	OK
180 minute summer	SW1 10 [Catchpit IC]	96	3.195	0.317	16.6	0.8878	0.0000	SURCHARGED
180 minute summer	Coach Drop Subbase 2	184	3.148	0.247	17.8	49.8961	0.0000	FLOOD RISK
180 minute summer	Play Area 1	184	3.016	0.193	10.2	27.9013	0.0000	OK
180 minute summer	SW1 13 [MH]	108	2.772	0.073	8.9	0.0489	0.0000	OK
180 minute summer	SW1 12 [IC]	116	2.999	0.180	6.1	0.0000	0.0000	OK
180 minute summer	SW1 6	96	2.911	0.056	4.8	0.0427	0.0000	OK
180 minute summer	SW1 8 [MH]	96	2.597	0.148	42.0	0.3462	0.0000	OK
180 minute summer	Swale 1	108	2.678	0.036	6.9	10.0546	0.0000	OK
180 minute summer	SW1 15 [MH]	184	2.541	0.194	68.6	0.5054	0.0000	OK
180 minute summer	Carpark 1	188	3.081	0.171	16.1	46.2682	0.0000	SURCHARGED
180 minute summer	Permavoid	416	2.529	0.226	99.3	0.8396	0.0000	OK
180 minute summer	Pond	420	2.529	0.240	63.3	67.8263	0.0000	SURCHARGED
180 minute summer	SW1 16 [MH]	420	2.527	0.264	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	10.2	0.615	0.144	0.3673	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.341	0.005	0.0008	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.1				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	16.0	0.826	0.227	0.5660	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.4				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	8.9	0.688	0.132	0.3469	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	5.8				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	4.8	0.628	0.137	0.1030	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	41.9	0.959	0.253	0.8880	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	3.8	0.956	0.055	0.0155	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	68.6	1.468	0.251	0.3624	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-16.1	-2.060	-4.038	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	56.4	0.037	0.009	294.2957	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.182	0.276	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				32

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Results for 30 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	Coach Drop Subbase 1	116	2.999	0.175	17.8	34.5341	0.0000	OK
180 minute summer	SW1 14	408	2.532	0.137	6.5	0.0485	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	6.1	0.219	0.167	0.0336	
180 minute summer	SW1 14	1.0071	SW1 15 [MH]	8.0	0.206	0.053	1.0726	

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Results for 30 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	SW1 5 [MH]	124	2.878	0.070	8.7	0.1181	0.0000	OK
240 minute summer	Play Area Subbase 2	244	3.156	0.248	3.8	13.3221	0.0000	FLOOD RISK
240 minute summer	Informal Outdoor Games Area	244	3.175	0.320	21.7	69.5768	0.0000	FLOOD RISK
240 minute summer	SW1 7 [MH]	124	2.806	0.088	13.7	0.0000	0.0000	OK
240 minute summer	SW1 10 [Catchpit IC]	128	3.144	0.266	14.1	0.7461	0.0000	SURCHARGED
240 minute summer	Coach Drop Subbase 2	244	3.164	0.263	15.1	53.3956	0.0000	FLOOD RISK
240 minute summer	Play Area 1	240	3.019	0.196	8.7	28.5943	0.0000	OK
240 minute summer	SW1 13 [MH]	144	2.772	0.073	8.9	0.0489	0.0000	OK
240 minute summer	SW1 12 [IC]	148	3.000	0.181	6.2	0.0000	0.0000	OK
240 minute summer	SW1 6	124	2.906	0.051	4.1	0.0393	0.0000	OK
240 minute summer	SW1 8 [MH]	124	2.586	0.137	36.2	0.3203	0.0000	OK
240 minute summer	Swale 1	140	2.677	0.035	5.9	9.7545	0.0000	OK
240 minute summer	SW1 15 [MH]	240	2.560	0.213	58.7	0.5551	0.0000	OK
240 minute summer	Carpark 1	248	3.092	0.182	13.5	49.7104	0.0000	SURCHARGED
240 minute summer	Permavoid	480	2.551	0.248	84.6	0.9233	0.0000	OK
240 minute summer	Pond	480	2.551	0.262	54.0	74.9839	0.0000	SURCHARGED
240 minute summer	SW1 16 [MH]	480	2.549	0.286	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	8.7	0.584	0.122	0.3269	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.345	0.005	0.0009	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.1				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	13.6	0.788	0.192	0.5034	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.5				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	8.9	0.689	0.132	0.3471	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	5.9				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	4.1	0.598	0.116	0.0917	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	35.9	0.918	0.217	0.7975	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	3.6	0.939	0.051	0.0148	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	58.5	1.404	0.214	0.4143	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-13.5	-1.724	-3.378	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	48.2	0.034	0.008	322.8638	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.182	0.276	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				36

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Results for 30 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	Coach Drop Subbase 1	148	3.000	0.176	15.1	34.7686	0.0000	OK
240 minute summer	SW1 14	456	2.554	0.159	9.2	0.0563	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	6.2	0.236	0.170	0.0338	
240 minute summer	SW1 14	1.0071	SW1 15 [MH]	-9.0	-0.185	-0.060	1.2792	

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Results for 30 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	SW1 5 [MH]	184	2.869	0.061	6.6	0.1029	0.0000	OK
360 minute summer	Play Area Subbase 2	352	3.167	0.259	2.9	13.9460	0.0000	FLOOD RISK
360 minute summer	Informal Outdoor Games Area	360	3.181	0.326	16.5	71.8438	0.0000	FLOOD RISK
360 minute summer	SW1 7 [MH]	184	2.796	0.078	10.7	0.0000	0.0000	OK
360 minute summer	SW1 10 [Catchpit IC]	360	3.105	0.227	10.7	0.6367	0.0000	SURCHARGED
360 minute summer	Coach Drop Subbase 2	368	3.182	0.281	11.5	57.3326	0.0000	FLOOD RISK
360 minute summer	Play Area 1	288	3.022	0.199	6.6	28.9982	0.0000	OK
360 minute summer	SW1 13 [MH]	208	2.769	0.070	8.3	0.0474	0.0000	OK
360 minute summer	SW1 12 [IC]	216	2.997	0.178	5.9	0.0000	0.0000	OK
360 minute summer	SW1 6	184	2.900	0.045	3.1	0.0342	0.0000	OK
360 minute summer	SW1 8 [MH]	584	2.584	0.135	29.1	0.3142	0.0000	OK
360 minute summer	Swale 1	200	2.674	0.032	4.5	9.0152	0.0000	OK
360 minute summer	SW1 15 [MH]	552	2.588	0.241	53.4	0.6283	0.0000	OK
360 minute summer	Carpark 1	368	3.105	0.195	10.2	53.6606	0.0000	FLOOD RISK
360 minute summer	Permavoid	600	2.582	0.279	66.3	1.0395	0.0000	OK
360 minute summer	Pond	600	2.583	0.294	42.4	85.0628	0.0000	SURCHARGED
360 minute summer	SW1 16 [MH]	600	2.580	0.317	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	6.6	0.534	0.093	0.2711	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.347	0.006	0.0009	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.1				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.1				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	10.6	0.734	0.149	0.4201	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.6				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	8.3	0.676	0.124	0.3321	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	5.6				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	3.1	0.554	0.088	0.0749	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	28.8	0.860	0.174	1.0506	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	3.1	0.893	0.044	0.0132	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	48.3	1.315	0.177	0.4833	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-10.2	-1.301	-2.550	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	38.0	0.031	0.006	362.3382	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.181	0.276	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				44

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Results for 30 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	Coach Drop Subbase 1	216	2.997	0.173	11.5	34.1169	0.0000	OK
360 minute summer	SW1 14	584	2.585	0.190	10.7	0.0673	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	Coach Drop Subbase 1	7.000	SW1 12 [IC]	5.9	0.177	0.161	0.0333	
360 minute summer	SW1 14	1.0071	SW1 15 [MH]	-10.5	-0.186	-0.070	1.5646	

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Results for 30 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	SW1 5 [MH]	248	2.862	0.054	5.1	0.0910	0.0000	OK
480 minute summer	Play Area Subbase 2	408	3.165	0.257	2.2	13.8405	0.0000	FLOOD RISK
480 minute summer	Informal Outdoor Games Area	472	3.180	0.325	12.8	71.3852	0.0000	FLOOD RISK
480 minute summer	SW1 7 [MH]	248	2.788	0.070	8.6	0.0000	0.0000	OK
480 minute summer	SW1 10 [Catchpit IC]	480	3.112	0.234	8.3	0.6563	0.0000	SURCHARGED
480 minute summer	Coach Drop Subbase 2	480	3.190	0.289	8.9	59.1756	0.0000	FLOOD RISK
480 minute summer	Play Area 1	336	3.023	0.200	5.1	29.2149	0.0000	OK
480 minute summer	SW1 13 [MH]	272	2.767	0.068	7.7	0.0456	0.0000	OK
480 minute summer	SW1 12 [IC]	272	2.993	0.174	5.4	0.0000	0.0000	OK
480 minute summer	SW1 6	248	2.895	0.040	2.4	0.0303	0.0000	OK
480 minute summer	SW1 8 [MH]	720	2.604	0.155	24.7	0.3611	0.0000	OK
480 minute summer	Swale 1	264	2.672	0.030	3.5	8.4229	0.0000	OK
480 minute summer	SW1 15 [MH]	704	2.608	0.261	59.5	0.6808	0.0000	OK
480 minute summer	Carpark 1	488	3.112	0.202	8.0	55.8121	0.0000	FLOOD RISK
480 minute summer	Permavoid	720	2.603	0.300	55.1	1.1159	0.0000	OK
480 minute summer	Pond	720	2.603	0.314	34.7	91.7855	0.0000	SURCHARGED
480 minute summer	SW1 16 [MH]	720	2.601	0.338	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	5.1	0.490	0.072	0.2306	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.347	0.005	0.0009	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.1				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.1				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	8.6	0.693	0.121	0.3605	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.6				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	7.7	0.660	0.114	0.3146	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	5.1				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	2.4	0.515	0.068	0.0628	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	24.6	0.824	0.149	1.2276	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	2.7	0.856	0.038	0.0119	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	50.3	1.232	0.184	0.5296	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-8.0	-1.018	-1.995	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	31.3	0.028	0.005	388.2270	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.180	0.276	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				53

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Results for 30 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	Coach Drop Subbase 1	272	2.993	0.169	8.9	33.1898	0.0000	OK
480 minute summer	SW1 14	720	2.604	0.209	11.3	0.0743	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	5.4	0.168	0.149	0.0325	
480 minute summer	SW1 14	1.0071	SW1 15 [MH]	11.5	0.208	0.076	1.7554	

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Results for 30 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	SW1 5 [MH]	315	2.857	0.049	4.1	0.0818	0.0000	OK
600 minute summer	Play Area Subbase 2	465	3.167	0.259	1.8	13.9446	0.0000	FLOOD RISK
600 minute summer	Informal Outdoor Games Area	525	3.174	0.319	10.3	69.3432	0.0000	FLOOD RISK
600 minute summer	SW1 7 [MH]	315	2.782	0.064	7.2	0.0000	0.0000	OK
600 minute summer	SW1 10 [Catchpit IC]	600	3.116	0.238	6.7	0.6680	0.0000	SURCHARGED
600 minute summer	Coach Drop Subbase 2	600	3.193	0.292	7.2	59.7490	0.0000	FLOOD RISK
600 minute summer	Play Area 1	420	3.023	0.200	4.1	29.1939	0.0000	OK
600 minute summer	SW1 13 [MH]	330	2.764	0.065	7.1	0.0437	0.0000	OK
600 minute summer	SW1 12 [IC]	345	2.988	0.169	4.9	0.0000	0.0000	OK
600 minute summer	SW1 6	315	2.891	0.036	2.0	0.0277	0.0000	OK
600 minute summer	SW1 8 [MH]	840	2.620	0.171	21.1	0.3987	0.0000	OK
600 minute summer	Swale 1	330	2.670	0.028	2.8	7.9156	0.0000	OK
600 minute summer	SW1 15 [MH]	810	2.622	0.275	59.8	0.7164	0.0000	OK
600 minute summer	Carpark 1	615	3.116	0.206	6.4	57.0844	0.0000	FLOOD RISK
600 minute summer	Permavoid	840	2.619	0.316	50.6	1.1742	0.0000	OK
600 minute summer	Pond	840	2.619	0.330	29.1	97.0172	0.0000	SURCHARGED
600 minute summer	SW1 16 [MH]	840	2.617	0.354	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	4.1	0.452	0.058	0.2010	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.347	0.006	0.0009	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.1				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.1				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	7.2	0.659	0.101	0.3173	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.6				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	7.1	0.646	0.105	0.2953	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	4.6				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	2.0	0.492	0.057	0.0548	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	21.1	0.786	0.127	1.3578	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	2.3	0.822	0.033	0.0129	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	44.3	1.086	0.162	0.5619	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-6.4	-0.816	-1.600	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	26.3	0.025	0.004	408.0399	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.179	0.276	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				61

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Results for 30 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	Coach Drop Subbase 1	345	2.988	0.164	7.2	32.1557	0.0000	OK
600 minute summer	SW1 14	840	2.621	0.226	7.4	0.0801	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	4.9	0.157	0.135	0.0316	
600 minute summer	SW1 14	1.0071	SW1 15 [MH]	11.6	0.203	0.077	1.8947	

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Results for 30 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	SW1 5 [MH]	375	2.854	0.046	3.6	0.0768	0.0000	OK
720 minute summer	Play Area Subbase 2	540	3.166	0.258	1.6	13.8714	0.0000	FLOOD RISK
720 minute summer	Informal Outdoor Games Area	585	3.169	0.314	9.0	67.5103	0.0000	FLOOD RISK
720 minute summer	SW1 7 [MH]	375	2.778	0.060	6.4	0.0000	0.0000	OK
720 minute summer	SW1 10 [Catchpit IC]	720	3.117	0.239	5.9	0.6710	0.0000	SURCHARGED
720 minute summer	Coach Drop Subbase 2	720	3.193	0.292	6.3	59.8302	0.0000	FLOOD RISK
720 minute summer	Play Area 1	480	3.022	0.199	3.6	29.1092	0.0000	OK
720 minute summer	SW1 13 [MH]	390	2.762	0.063	6.6	0.0421	0.0000	OK
720 minute summer	SW1 12 [IC]	405	2.984	0.165	4.5	0.0000	0.0000	OK
720 minute summer	SW1 6	375	2.889	0.034	1.7	0.0256	0.0000	OK
720 minute summer	SW1 8 [MH]	960	2.629	0.180	18.9	0.4198	0.0000	OK
720 minute summer	Swale 1	390	2.668	0.026	2.4	7.3975	0.0000	OK
720 minute summer	SW1 15 [MH]	945	2.633	0.286	38.2	0.7469	0.0000	OK
720 minute summer	Carpark 1	720	3.117	0.207	5.6	57.4183	0.0000	FLOOD RISK
720 minute summer	Permavoid	960	2.629	0.326	52.3	1.2124	0.0000	OK
720 minute summer	Pond	960	2.629	0.340	26.9	100.5129	0.0000	SURCHARGED
720 minute summer	SW1 16 [MH]	960	2.627	0.364	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	3.6	0.434	0.051	0.1842	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.347	0.006	0.0009	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.1				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.1				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	6.4	0.638	0.090	0.2907	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.6				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	6.6	0.632	0.097	0.2794	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	4.2				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	1.7	0.469	0.048	0.0488	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	18.9	0.763	0.114	1.4602	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	2.0	0.787	0.029	0.0173	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	48.0	0.957	0.176	0.5867	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-5.6	-0.716	-1.403	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	25.5	0.023	0.004	421.0706	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.178	0.277	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				69

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Results for 30 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	Coach Drop Subbase 1	405	2.984	0.160	6.3	31.2419	0.0000	OK
720 minute summer	SW1 14	885	2.629	0.234	10.8	0.0830	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	4.5	0.147	0.124	0.0307	
720 minute summer	SW1 14	1.0071	SW1 15 [MH]	-10.6	0.193	-0.070	1.9988	

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Results for 30 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	SW1 5 [MH]	495	2.849	0.041	2.9	0.0692	0.0000	OK
960 minute summer	Play Area Subbase 2	765	3.162	0.254	1.3	13.6323	0.0000	FLOOD RISK
960 minute summer	Informal Outdoor Games Area	705	3.158	0.303	7.2	63.5213	0.0000	FLOOD RISK
960 minute summer	SW1 7 [MH]	495	2.773	0.055	5.3	0.0000	0.0000	OK
960 minute summer	SW1 10 [Catchpit IC]	960	3.117	0.239	4.7	0.6700	0.0000	SURCHARGED
960 minute summer	Coach Drop Subbase 2	930	3.190	0.289	5.0	59.1426	0.0000	FLOOD RISK
960 minute summer	Play Area 1	630	3.021	0.198	2.9	28.8248	0.0000	OK
960 minute summer	SW1 13 [MH]	510	2.758	0.059	5.7	0.0393	0.0000	OK
960 minute summer	SW1 12 [IC]	525	2.977	0.158	3.9	0.0000	0.0000	OK
960 minute summer	SW1 6	495	2.886	0.031	1.4	0.0234	0.0000	OK
960 minute summer	SW1 8 [MH]	1200	2.646	0.197	15.9	0.4601	0.0000	OK
960 minute summer	Swale 1	510	2.666	0.024	1.9	6.7397	0.0000	OK
960 minute summer	SW1 15 [MH]	1080	2.647	0.300	55.9	0.7834	0.0000	OK
960 minute summer	Carpark 1	960	3.117	0.207	4.4	57.3201	0.0000	FLOOD RISK
960 minute summer	Permavoid	1200	2.646	0.343	56.0	1.2760	0.0000	OK
960 minute summer	Pond	1200	2.646	0.357	24.0	106.3436	0.0000	SURCHARGED
960 minute summer	SW1 16 [MH]	1200	2.644	0.381	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	2.9	0.399	0.041	0.1612	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.346	0.005	0.0009	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.1				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.1				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	5.3	0.606	0.076	0.2573	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.5				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	5.7	0.607	0.085	0.2532	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	3.6				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	1.4	0.442	0.040	0.0427	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	15.9	0.726	0.096	1.6013	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	1.7	0.741	0.024	0.0230	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	51.5	0.798	0.189	0.6194	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-4.4	-0.564	-1.106	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	23.0	0.023	0.004	442.6967	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.178	0.277	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				86

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Results for 30 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	Coach Drop Subbase 1	525	2.977	0.153	5.0	29.7840	0.0000	OK
960 minute summer	SW1 14	1170	2.646	0.251	11.6	0.0891	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	Coach Drop Subbase 1	7.000	SW1 12 [IC]	3.9	0.132	0.106	0.0294	
960 minute summer	SW1 14	1.0071	SW1 15 [MH]	-11.4	0.212	-0.076	2.1510	

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Results for 30 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	SW1 5 [MH]	750	2.842	0.034	2.0	0.0581	0.0000	OK
1440 minute summer	Play Area Subbase 2	1020	3.159	0.251	0.9	13.5068	0.0000	FLOOD RISK
1440 minute summer	Informal Outdoor Games Area	990	3.139	0.284	5.0	56.1741	0.0000	FLOOD RISK
1440 minute summer	SW1 7 [MH]	750	2.766	0.048	3.9	0.0000	0.0000	OK
1440 minute summer	SW1 10 [Catchpit IC]	1440	3.110	0.232	3.2	0.6501	0.0000	SURCHARGED
1440 minute summer	Coach Drop Subbase 2	1140	3.176	0.275	3.4	56.0735	0.0000	FLOOD RISK
1440 minute summer	Play Area 1	930	3.016	0.193	2.0	28.0517	0.0000	OK
1440 minute summer	SW1 13 [MH]	780	2.751	0.052	4.5	0.0350	0.0000	OK
1440 minute summer	SW1 12 [IC]	780	2.967	0.148	2.9	0.0000	0.0000	OK
1440 minute summer	SW1 6	750	2.880	0.025	0.9	0.0190	0.0000	OK
1440 minute summer	SW1 8 [MH]	1680	2.662	0.213	11.8	0.4986	0.0000	OK
1440 minute summer	Swale 1	1680	2.662	0.020	1.3	5.7542	0.0000	OK
1440 minute summer	SW1 15 [MH]	1680	2.662	0.315	29.2	0.8223	0.0000	OK
1440 minute summer	Carpark 1	1440	3.110	0.200	2.9	55.1395	0.0000	FLOOD RISK
1440 minute summer	Permavoid	1680	2.662	0.359	55.8	1.3370	0.0000	OK
1440 minute summer	Pond	1680	2.662	0.373	15.7	112.0092	0.0000	SURCHARGED
1440 minute summer	SW1 16 [MH]	1680	2.660	0.397	1.5	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discha Vol (m
40 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	2.0	0.348	0.028	0.1278	
40 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.345	0.005	0.0009	
40 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.1				
40 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
40 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.0				
40 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	3.9	0.558	0.056	0.2053	
40 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
40 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.3				
40 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
40 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
40 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
40 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.4				
40 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	4.5	0.566	0.066	0.2124	
40 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
40 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	2.6				
40 minute summer	SW1 6	7.000_1	SW1 7 [MH]	0.9	0.394	0.026	0.0308	
40 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	12.0	0.668	0.072	1.7476	
40 minute summer	Swale 1	9.000	SW1 15 [MH]	1.2	0.670	0.017	0.0321	
40 minute summer	SW1 15 [MH]	1.004	Permavoid	50.3	0.755	0.185	0.6527	
40 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-2.9	-0.376	-0.737	0.0194	
40 minute summer	Permavoid	Permavoid	Pond	14.4	0.018	0.002	463.4418	
40 minute summer	Pond	1.011	SW1 16 [MH]	1.5	0.178	0.274	0.0898	
40 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				12

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Results for 30 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	Coach Drop Subbase 1	780	2.967	0.143	3.4	27.4624	0.0000	OK
1440 minute summer	SW1 14	1680	2.662	0.267	11.3	0.0949	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	2.9	0.108	0.080	0.0271	
1440 minute summer	SW1 14	1.0071	SW1 15 [MH]	-11.0	-0.200	-0.073	2.3005	

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Results for 30 year 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	SW1 5 [MH]	1140	2.836	0.028	1.3	0.0473	0.0000	OK
2160 minute summer	Play Area Subbase 2	1440	3.161	0.253	0.6	13.6012	0.0000	FLOOD RISK
2160 minute summer	Informal Outdoor Games Area	1440	3.112	0.257	3.3	46.3399	0.0000	FLOOD RISK
2160 minute summer	SW1 7 [MH]	1140	2.759	0.041	2.9	0.0000	0.0000	OK
2160 minute summer	SW1 10 [Catchpit IC]	1800	3.096	0.218	2.2	0.6118	0.0000	SURCHARGED
2160 minute summer	Coach Drop Subbase 2	1560	3.158	0.257	2.3	52.0311	0.0000	FLOOD RISK
2160 minute summer	Play Area 1	1440	3.009	0.186	1.3	26.7736	0.0000	OK
2160 minute summer	SW1 13 [MH]	1140	2.745	0.046	3.4	0.0308	0.0000	OK
2160 minute summer	SW1 12 [IC]	1140	2.956	0.137	2.1	0.0000	0.0000	OK
2160 minute summer	SW1 6	1140	2.876	0.021	0.6	0.0157	0.0000	OK
2160 minute summer	SW1 8 [MH]	2400	2.672	0.223	8.7	0.5220	0.0000	OK
2160 minute summer	Swale 1	2400	2.672	0.030	0.9	8.5910	0.0000	OK
2160 minute summer	SW1 15 [MH]	2400	2.672	0.325	50.3	0.8484	0.0000	OK
2160 minute summer	Carpark 1	1800	3.096	0.186	2.0	50.9341	0.0000	SURCHARGED
2160 minute summer	Permavoid	2400	2.672	0.369	37.0	1.3743	0.0000	OK
2160 minute summer	Pond	2400	2.672	0.383	20.2	115.5001	0.0000	SURCHARGED
2160 minute summer	SW1 16 [MH]	2400	2.670	0.407	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discha Vol (m
60 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	1.3	0.291	0.018	0.1001	
60 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.346	0.005	0.0009	
60 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.1				
60 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
60 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.0				
60 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	2.9	0.509	0.041	0.2323	
60 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
60 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.3				
60 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
60 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
60 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
60 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.2				
60 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	3.4	0.527	0.051	0.2198	
60 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
60 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	1.8				
60 minute summer	SW1 6	7.000_1	SW1 7 [MH]	0.6	0.348	0.017	0.0233	
60 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	11.6	0.550	0.070	1.8378	
60 minute summer	Swale 1	9.000	SW1 15 [MH]	0.9	0.605	0.012	0.0391	
60 minute summer	SW1 15 [MH]	1.004	Permavoid	34.5	0.556	0.127	0.6727	
60 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-2.0	-0.251	-0.492	0.0194	
60 minute summer	Permavoid	Permavoid	Pond	19.3	0.018	0.003	476.1167	
60 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.178	0.275	0.0898	
60 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				17

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Results for 30 year 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	Coach Drop Subbase 1	1140	2.956	0.132	2.3	25.1044	0.0000	OK
2160 minute summer	SW1 14	2400	2.672	0.277	7.3	0.0985	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	2.1	0.084	0.057	0.0248	
2160 minute summer	SW1 14	1.0071	SW1 15 [MH]	9.6	0.195	0.064	2.3903	

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Results for 30 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	SW1 5 [MH]	1500	2.834	0.026	1.1	0.0438	0.0000	OK
2880 minute summer	Play Area Subbase 2	1860	3.134	0.226	0.5	12.0945	0.0000	FLOOD RISK
2880 minute summer	Informal Outdoor Games Area	1800	3.095	0.240	2.7	39.9166	0.0000	FLOOD RISK
2880 minute summer	SW1 7 [MH]	1500	2.757	0.039	2.6	0.0000	0.0000	OK
2880 minute summer	SW1 10 [Catchpit IC]	2160	3.087	0.209	1.7	0.5863	0.0000	SURCHARGED
2880 minute summer	Coach Drop Subbase 2	1920	3.144	0.243	1.9	49.1527	0.0000	FLOOD RISK
2880 minute summer	Play Area 1	1920	3.005	0.182	1.1	26.0910	0.0000	OK
2880 minute summer	SW1 13 [MH]	1560	2.741	0.042	2.9	0.0283	0.0000	OK
2880 minute summer	SW1 12 [IC]	1500	2.951	0.132	1.7	0.0000	0.0000	OK
2880 minute summer	SW1 6	1500	2.874	0.019	0.5	0.0145	0.0000	OK
2880 minute summer	SW1 8 [MH]	3120	2.678	0.229	7.3	0.5341	0.0000	OK
2880 minute summer	Swale 1	3120	2.678	0.036	0.7	10.0644	0.0000	OK
2880 minute summer	SW1 15 [MH]	3120	2.678	0.331	44.4	0.8620	0.0000	OK
2880 minute summer	Carpark 1	2160	3.087	0.177	1.5	48.1378	0.0000	SURCHARGED
2880 minute summer	Permavoid	3120	2.678	0.375	39.2	1.3936	0.0000	OK
2880 minute summer	Pond	3120	2.678	0.389	16.1	117.3279	0.0000	SURCHARGED
2880 minute summer	SW1 16 [MH]	3120	2.676	0.413	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discha Vol (m
30 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	1.1	0.271	0.016	0.0909	
30 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.340	0.005	0.0008	
30 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
30 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
30 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.0				
30 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	2.6	0.493	0.036	0.2477	
30 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
30 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.3				
30 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
30 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
30 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
30 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.1				
30 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	2.9	0.499	0.043	0.2367	
30 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
30 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	1.4				
30 minute summer	SW1 6	7.000_1	SW1 7 [MH]	0.5	0.334	0.014	0.0202	
30 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	9.8	0.565	0.059	1.8845	
30 minute summer	Swale 1	9.000	SW1 15 [MH]	0.7	0.561	0.010	0.0429	
30 minute summer	SW1 15 [MH]	1.004	Permavoid	35.4	0.577	0.130	0.6828	
30 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-1.5	-0.188	-0.369	0.0194	
30 minute summer	Permavoid	Permavoid	Pond	15.6	0.008	0.003	482.7025	
30 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.177	0.275	0.0898	
30 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				22

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Results for 30 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.97%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	Coach Drop Subbase 1	1500	2.951	0.127	1.9	24.0462	0.0000	OK
2880 minute summer	SW1 14	3120	2.678	0.283	7.0	0.1003	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	1.7	0.073	0.047	0.0237	
2880 minute summer	SW1 14	1.0071	SW1 15 [MH]	8.4	0.167	0.056	2.4370	

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Results for 100 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SW1 5 [MH]	18	2.962	0.154	36.7	0.2602	0.0000	OK
30 minute summer	Play Area Subbase 2	35	3.098	0.190	16.2	10.0700	0.0000	FLOOD RISK
30 minute summer	Informal Outdoor Games Area	35	3.139	0.284	92.2	56.4445	0.0000	FLOOD RISK
30 minute summer	SW1 7 [MH]	18	2.911	0.193	54.9	0.0000	0.0000	OK
30 minute summer	SW1 10 [Catchpit IC]	18	3.501	0.623	59.8	1.7465	0.0000	FLOOD RISK
30 minute summer	Coach Drop Subbase 2	35	3.103	0.202	64.2	40.0298	0.0000	FLOOD RISK
30 minute summer	Play Area 1	35	2.987	0.164	36.7	22.8698	0.0000	OK
30 minute summer	SW1 13 [MH]	18	2.879	0.180	47.7	0.1212	0.0000	OK
30 minute summer	SW1 12 [IC]	31	3.003	0.184	6.5	0.0000	0.0000	OK
30 minute summer	SW1 6	18	2.967	0.112	17.4	0.0856	0.0000	OK
30 minute summer	SW1 8 [MH]	18	2.766	0.317	168.9	0.7401	0.0000	OK
30 minute summer	Swale 1	24	2.685	0.043	27.0	12.1320	0.0000	OK
30 minute summer	SW1 15 [MH]	18	2.680	0.333	255.7	0.8673	0.0000	OK
30 minute summer	Carpark 1	35	3.018	0.108	29.2	27.0110	0.0000	SURCHARGED
30 minute summer	Permavoid	266	2.475	0.172	364.0	0.6389	0.0000	OK
30 minute summer	Pond	270	2.475	0.186	287.4	51.2638	0.0000	SURCHARGED
30 minute summer	SW1 16 [MH]	270	2.473	0.210	2.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	36.7	0.873	0.518	0.9262	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.331	0.005	0.0053	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.0				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	54.7	1.184	0.775	1.3501	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	30.2				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.5				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	47.6	1.118	0.707	1.1463	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	6.2				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	17.4	0.875	0.495	0.2743	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	168.6	1.486	1.017	2.3026	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	5.6	1.071	0.080	0.0420	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	253.1	2.015	0.928	0.6510	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-29.2	-4.073	-7.315	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	262.6	0.130	0.044	225.9647	
0 minute summer	Pond	1.011	SW1 16 [MH]	2.0	0.271	0.345	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				23

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Results for 100 year 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	Coach Drop Subbase 1	31	3.003	0.179	64.2	35.3685	0.0000	OK
30 minute summer	SW1 14	18	2.679	0.284	10.6	0.1009	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	Coach Drop Subbase 1	7.000	SW1 12 [IC]	6.5	0.366	0.178	0.0343	
30 minute summer	SW1 14	1.0071	SW1 15 [MH]	12.0	0.185	0.079	2.4528	

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Results for 100 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	SW1 5 [MH]	33	2.936	0.128	27.3	0.2159	0.0000	OK
60 minute summer	Play Area Subbase 2	64	3.141	0.233	12.0	12.4795	0.0000	FLOOD RISK
60 minute summer	Informal Outdoor Games Area	64	3.174	0.319	68.6	69.3195	0.0000	FLOOD RISK
60 minute summer	SW1 7 [MH]	33	2.880	0.162	41.3	0.0000	0.0000	OK
60 minute summer	SW1 10 [Catchpit IC]	33	3.422	0.544	44.5	1.5237	0.0000	FLOOD RISK
60 minute summer	Coach Drop Subbase 2	65	3.146	0.245	47.7	49.5325	0.0000	FLOOD RISK
60 minute summer	Play Area 1	64	3.017	0.194	27.3	28.1015	0.0000	OK
60 minute summer	SW1 13 [MH]	34	2.841	0.142	32.0	0.0955	0.0000	OK
60 minute summer	SW1 12 [IC]	46	3.019	0.200	8.4	0.0000	0.0000	OK
60 minute summer	SW1 6	33	2.949	0.094	13.0	0.0717	0.0000	OK
60 minute summer	SW1 8 [MH]	33	2.711	0.262	122.3	0.6120	0.0000	OK
60 minute summer	Swale 1	41	2.687	0.045	18.5	12.6858	0.0000	OK
60 minute summer	SW1 15 [MH]	33	2.616	0.269	189.4	0.7025	0.0000	OK
60 minute summer	Carpark 1	65	3.055	0.145	27.1	38.3071	0.0000	SURCHARGED
60 minute summer	Permavoid	300	2.520	0.217	271.3	0.8074	0.0000	OK
60 minute summer	Pond	300	2.520	0.231	176.0	65.0725	0.0000	SURCHARGED
60 minute summer	SW1 16 [MH]	299	2.518	0.255	1.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	27.3	0.813	0.386	0.7398	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.341	0.005	0.0011	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.1				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	41.2	1.086	0.584	1.1088	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	17.1				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.4				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	31.9	0.994	0.474	0.8650	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	8.0				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	13.0	0.832	0.370	0.2105	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	121.9	1.330	0.735	1.8623	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	6.2	1.101	0.088	0.0216	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	188.8	1.908	0.692	0.5130	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-27.1	-3.542	-6.779	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	157.5	0.062	0.026	283.2842	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.7	0.206	0.295	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				25

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Results for 100 year 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	Coach Drop Subbase 1	46	3.019	0.195	47.7	38.8284	0.0000	OK
60 minute summer	SW1 14	33	2.617	0.222	7.9	0.0787	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	8.4	0.347	0.229	0.0369	
60 minute summer	SW1 14	1.0071	SW1 15 [MH]	8.1	0.122	0.054	1.8740	

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Results for 100 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	SW1 5 [MH]	64	2.913	0.105	18.9	0.1762	0.0000	OK
120 minute summer	Play Area Subbase 2	122	3.189	0.281	8.3	15.1548	0.0000	FLOOD RISK
120 minute summer	Informal Outdoor Games Area	124	3.219	0.364	47.4	86.2477	0.0000	FLOOD RISK
120 minute summer	SW1 7 [MH]	64	2.850	0.132	29.0	0.0000	0.0000	OK
120 minute summer	SW1 10 [Catchpit IC]	64	3.360	0.482	30.7	1.3507	0.0000	FLOOD RISK
120 minute summer	Coach Drop Subbase 2	118	3.301	0.400	33.0	61.9945	0.0000	FLOOD RISK
120 minute summer	Play Area 1	118	3.041	0.218	18.9	32.5059	0.0000	OK
120 minute summer	SW1 13 [MH]	64	2.817	0.118	22.9	0.0793	0.0000	OK
120 minute summer	SW1 12 [IC]	78	3.038	0.219	10.8	0.0000	0.0000	OK
120 minute summer	SW1 6	64	2.932	0.077	9.0	0.0589	0.0000	OK
120 minute summer	SW1 8 [MH]	64	2.664	0.215	85.7	0.5023	0.0000	OK
120 minute summer	Swale 1	74	2.688	0.046	12.8	13.1095	0.0000	OK
120 minute summer	SW1 15 [MH]	122	2.614	0.267	134.4	0.6950	0.0000	OK
120 minute summer	Carpark 1	126	3.106	0.196	21.8	53.9680	0.0000	FLOOD RISK
120 minute summer	Permavoid	356	2.594	0.291	191.2	1.0836	0.0000	OK
120 minute summer	Pond	360	2.594	0.305	121.1	88.9514	0.0000	SURCHARGED
120 minute summer	SW1 16 [MH]	360	2.592	0.329	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	18.9	0.737	0.267	0.5671	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.351	0.006	0.0009	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.4				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.9				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.2				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	29.0	0.980	0.410	0.8640	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	8.8				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	2.6				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.5				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	1.5				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	22.5	0.898	0.334	0.6782	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	10.4				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	9.0	0.751	0.256	0.1615	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	85.4	1.187	0.515	1.4610	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	6.6	1.122	0.094	0.0227	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	134.2	1.759	0.492	0.5111	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-21.8	-2.790	-5.469	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	108.4	0.048	0.018	377.3062	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.186	0.285	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				29

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Results for 100 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	Coach Drop Subbase 1	78	3.038	0.214	33.0	43.0307	0.0000	OK
120 minute summer	SW1 14	348	2.597	0.202	14.7	0.0716	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	10.8	0.322	0.296	0.0392	
120 minute summer	SW1 14	1.0071	SW1 15 [MH]	15.2	0.245	0.101	1.6768	

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Results for 100 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	SW1 5 [MH]	96	2.899	0.091	14.5	0.1535	0.0000	OK
180 minute summer	Play Area Subbase 2	152	3.200	0.292	6.4	15.8056	0.0000	FLOOD RISK
180 minute summer	Informal Outdoor Games Area	180	3.233	0.378	36.4	91.3733	0.0000	FLOOD RISK
180 minute summer	SW1 7 [MH]	96	2.833	0.115	22.5	0.0000	0.0000	OK
180 minute summer	SW1 10 [Catchpit IC]	96	3.314	0.436	23.6	1.2223	0.0000	FLOOD RISK
180 minute summer	Coach Drop Subbase 2	128	3.324	0.423	25.3	62.0905	0.0000	FLOOD RISK
180 minute summer	Play Area 1	136	3.050	0.227	14.5	34.0797	0.0000	FLOOD RISK
180 minute summer	SW1 13 [MH]	128	2.805	0.106	18.5	0.0713	0.0000	OK
180 minute summer	SW1 12 [IC]	112	3.042	0.223	11.4	0.0000	0.0000	OK
180 minute summer	SW1 6	96	2.922	0.067	6.9	0.0513	0.0000	OK
180 minute summer	SW1 8 [MH]	420	2.651	0.202	66.6	0.4714	0.0000	OK
180 minute summer	Swale 1	104	2.687	0.045	9.8	12.6683	0.0000	OK
180 minute summer	SW1 15 [MH]	188	2.665	0.318	106.9	0.8300	0.0000	OK
180 minute summer	Carpark 1	188	3.140	0.230	19.5	64.3570	0.0000	FLOOD RISK
180 minute summer	Permavoid	420	2.651	0.348	149.1	1.2938	0.0000	OK
180 minute summer	Pond	420	2.651	0.362	94.6	107.9865	0.0000	SURCHARGED
180 minute summer	SW1 16 [MH]	420	2.649	0.386	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	14.5	0.681	0.205	0.4706	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.353	0.006	0.0009	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.6				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	2.1				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.2				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	22.5	0.911	0.319	0.7221	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	3.9				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	4.6				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.5				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	2.1				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	18.6	0.850	0.277	0.5904	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	11.0				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	6.9	0.697	0.197	0.1334	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	66.4	1.099	0.401	1.6432	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	6.2	1.100	0.088	0.0336	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	105.4	1.652	0.386	0.6290	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-19.5	-2.497	-4.894	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	84.8	0.042	0.014	448.7426	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.183	0.284	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				32

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Results for 100 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	Coach Drop Subbase 1	112	3.042	0.218	25.3	43.9821	0.0000	OK
180 minute summer	SW1 14	416	2.651	0.256	18.8	0.0908	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	11.4	0.288	0.311	0.0396	
180 minute summer	SW1 14	1.0071	SW1 15 [MH]	22.0	0.268	0.146	2.1945	

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Results for 100 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	SW1 5 [MH]	124	2.892	0.084	12.4	0.1413	0.0000	OK
240 minute summer	Play Area Subbase 2	176	3.207	0.299	5.5	16.1776	0.0000	FLOOD RISK
240 minute summer	Informal Outdoor Games Area	196	3.238	0.383	31.1	93.0734	0.0000	FLOOD RISK
240 minute summer	SW1 7 [MH]	124	2.824	0.106	19.3	0.0000	0.0000	OK
240 minute summer	SW1 10 [Catchpit IC]	124	3.285	0.407	20.2	1.1407	0.0000	FLOOD RISK
240 minute summer	Coach Drop Subbase 2	152	3.351	0.450	21.7	62.2003	0.0000	FLOOD RISK
240 minute summer	Play Area 1	164	3.056	0.233	12.4	35.0020	0.0000	FLOOD RISK
240 minute summer	SW1 13 [MH]	152	2.819	0.120	23.2	0.0804	0.0000	OK
240 minute summer	SW1 12 [IC]	144	3.041	0.222	11.3	0.0000	0.0000	OK
240 minute summer	SW1 6	124	2.917	0.062	5.9	0.0472	0.0000	OK
240 minute summer	SW1 8 [MH]	480	2.686	0.237	55.9	0.5530	0.0000	OK
240 minute summer	Swale 1	480	2.686	0.044	8.4	12.3373	0.0000	OK
240 minute summer	SW1 15 [MH]	480	2.686	0.339	114.0	0.8830	0.0000	OK
240 minute summer	Carpark 1	248	3.163	0.253	18.0	71.3346	0.0000	FLOOD RISK
240 minute summer	Permavoid	480	2.686	0.383	126.1	1.4237	0.0000	OK
240 minute summer	Pond	480	2.686	0.397	80.4	120.1690	0.0000	SURCHARGED
240 minute summer	SW1 16 [MH]	480	2.684	0.421	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	12.3	0.648	0.174	0.4194	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.355	0.006	0.0009	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.8				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	2.5				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.2				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	19.2	0.868	0.271	0.6444	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	1.6				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	7.3				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.6				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	2.4				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	23.3	0.906	0.346	0.6931	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	10.9				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	5.9	0.665	0.167	0.1189	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	55.5	1.042	0.335	1.9566	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	5.7	1.075	0.081	0.0491	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	88.6	1.576	0.325	0.6982	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-18.0	-2.306	-4.520	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	72.0	0.039	0.012	492.9044	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.182	0.283	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				36

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Results for 100 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	Coach Drop Subbase 1	144	3.041	0.217	21.7	43.7665	0.0000	OK
240 minute summer	SW1 14	480	2.686	0.291	20.4	0.1032	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	11.3	0.285	0.308	0.0395	
240 minute summer	SW1 14	1.0071	SW1 15 [MH]	23.0	0.256	0.152	2.5074	

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Results for 100 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	SW1 5 [MH]	184	2.881	0.073	9.4	0.1229	0.0000	OK
360 minute summer	Play Area Subbase 2	224	3.232	0.324	4.2	16.3013	0.0000	FLOOD RISK
360 minute summer	Informal Outdoor Games Area	256	3.242	0.387	23.7	94.5553	0.0000	FLOOD RISK
360 minute summer	SW1 7 [MH]	184	2.810	0.092	15.0	0.0000	0.0000	OK
360 minute summer	SW1 10 [Catchpit IC]	184	3.217	0.339	15.4	0.9497	0.0000	SURCHARGED
360 minute summer	Coach Drop Subbase 2	216	3.351	0.450	16.5	62.2013	0.0000	FLOOD RISK
360 minute summer	Play Area 1	232	3.059	0.236	9.4	35.5633	0.0000	FLOOD RISK
360 minute summer	SW1 13 [MH]	216	2.817	0.118	22.5	0.0791	0.0000	OK
360 minute summer	SW1 12 [IC]	208	3.033	0.214	10.2	0.0000	0.0000	OK
360 minute summer	SW1 6	184	2.909	0.054	4.5	0.0412	0.0000	OK
360 minute summer	SW1 8 [MH]	600	2.730	0.281	44.0	0.6564	0.0000	OK
360 minute summer	Swale 1	600	2.730	0.088	6.4	24.8488	0.0000	OK
360 minute summer	SW1 15 [MH]	600	2.730	0.383	76.5	0.9984	0.0000	OK
360 minute summer	Carpark 1	368	3.186	0.276	14.7	78.6623	0.0000	FLOOD RISK
360 minute summer	Permavoid	600	2.730	0.427	97.8	1.5884	0.0000	OK
360 minute summer	Pond	600	2.730	0.441	62.5	136.0658	0.0000	SURCHARGED
360 minute summer	SW1 16 [MH]	600	2.728	0.465	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	9.4	0.594	0.132	0.3469	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.359	0.006	0.0010	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	1.3				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	2.9				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.2				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	14.8	0.807	0.210	0.5366	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	7.3				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.6				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	2.6				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	22.6	0.899	0.336	0.6778	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	9.8				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	4.5	0.615	0.127	0.0980	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	43.7	0.971	0.264	2.3410	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	4.7	1.016	0.067	0.0850	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	69.3	1.404	0.254	0.7715	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-14.7	-1.875	-3.674	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	56.1	0.034	0.009	548.9146	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.181	0.282	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				44

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Results for 100 year 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	Coach Drop Subbase 1	208	3.033	0.209	16.5	41.9959	0.0000	OK
360 minute summer	SW1 14	600	2.730	0.335	9.4	0.1189	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	10.2	0.263	0.279	0.0388	
360 minute summer	SW1 14	1.0071	SW1 15 [MH]	15.5	0.152	0.103	2.8698	

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Results for 100 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	SW1 5 [MH]	248	2.872	0.064	7.3	0.1085	0.0000	OK
480 minute summer	Play Area Subbase 2	288	3.233	0.325	3.2	16.3025	0.0000	FLOOD RISK
480 minute summer	Informal Outdoor Games Area	320	3.242	0.387	18.4	94.6440	0.0000	FLOOD RISK
480 minute summer	SW1 7 [MH]	248	2.801	0.083	12.0	0.0000	0.0000	OK
480 minute summer	SW1 10 [Catchpit IC]	480	3.198	0.320	11.9	0.8961	0.0000	SURCHARGED
480 minute summer	Coach Drop Subbase 2	272	3.352	0.451	12.8	62.2038	0.0000	FLOOD RISK
480 minute summer	Play Area 1	296	3.058	0.235	7.3	35.5100	0.0000	FLOOD RISK
480 minute summer	SW1 13 [MH]	272	2.814	0.115	21.6	0.0771	0.0000	OK
480 minute summer	SW1 12 [IC]	264	3.025	0.206	9.1	0.0000	0.0000	OK
480 minute summer	SW1 6	248	2.903	0.048	3.5	0.0364	0.0000	OK
480 minute summer	SW1 8 [MH]	720	2.758	0.309	39.0	0.7210	0.0000	OK
480 minute summer	Swale 1	720	2.758	0.116	5.0	32.6770	0.0000	OK
480 minute summer	SW1 15 [MH]	720	2.758	0.411	58.0	1.0707	0.0000	OK
480 minute summer	Carpark 1	488	3.198	0.288	11.5	82.0974	0.0000	FLOOD RISK
480 minute summer	Permavoid	720	2.758	0.455	112.4	1.6915	0.0000	OK
480 minute summer	Pond	720	2.758	0.469	51.2	146.2699	0.0000	SURCHARGED
480 minute summer	SW1 16 [MH]	720	2.756	0.493	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	7.3	0.549	0.103	0.2946	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.359	0.006	0.0010	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	1.4				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	3.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.2				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	12.0	0.761	0.170	0.6322	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	7.4				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.6				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	2.6				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	21.4	0.881	0.317	0.6530	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	8.8				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	3.5	0.574	0.100	0.0822	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	39.1	0.927	0.236	2.5658	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	4.0	0.970	0.058	0.1070	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	105.2	1.213	0.386	0.8034	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-11.5	-1.467	-2.874	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	46.3	0.032	0.008	583.9669	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.179	0.280	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				52

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Results for 100 year 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	Coach Drop Subbase 1	264	3.025	0.201	12.8	40.1642	0.0000	OK
480 minute summer	SW1 14	720	2.758	0.363	24.1	0.1288	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	9.1	0.242	0.250	0.0378	
480 minute summer	SW1 14	1.0071	SW1 15 [MH]	-23.4	-0.257	-0.155	3.0657	

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Results for 100 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	SW1 5 [MH]	315	2.866	0.058	5.9	0.0977	0.0000	OK
600 minute summer	Play Area Subbase 2	360	3.225	0.317	2.6	16.2921	0.0000	FLOOD RISK
600 minute summer	Informal Outdoor Games Area	390	3.240	0.385	14.8	93.7888	0.0000	FLOOD RISK
600 minute summer	SW1 7 [MH]	315	2.793	0.075	9.9	0.0000	0.0000	OK
600 minute summer	SW1 10 [Catchpit IC]	600	3.203	0.325	9.6	0.9111	0.0000	SURCHARGED
600 minute summer	Coach Drop Subbase 2	345	3.339	0.438	10.3	62.1518	0.0000	FLOOD RISK
600 minute summer	Play Area 1	360	3.056	0.233	5.9	35.1168	0.0000	FLOOD RISK
600 minute summer	SW1 13 [MH]	345	2.806	0.107	18.7	0.0717	0.0000	OK
600 minute summer	SW1 12 [IC]	330	3.016	0.197	8.1	0.0000	0.0000	OK
600 minute summer	SW1 6	315	2.898	0.043	2.8	0.0326	0.0000	OK
600 minute summer	SW1 8 [MH]	840	2.776	0.327	33.7	0.7644	0.0000	OK
600 minute summer	Swale 1	840	2.776	0.134	4.0	37.9104	0.0000	OK
600 minute summer	SW1 15 [MH]	840	2.776	0.429	113.0	1.1190	0.0000	OK
600 minute summer	Carpark 1	615	3.203	0.293	9.2	83.7954	0.0000	FLOOD RISK
600 minute summer	Permavoid	840	2.776	0.473	66.4	1.7604	0.0000	OK
600 minute summer	Pond	840	2.776	0.487	42.4	153.1994	0.0000	SURCHARGED
600 minute summer	SW1 16 [MH]	840	2.775	0.512	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	5.9	0.511	0.083	0.2557	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.358	0.006	0.0009	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	1.2				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	2.7				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.2				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	9.9	0.722	0.140	0.7723	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	6.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.5				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	2.4				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	18.8	0.852	0.279	0.7764	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	7.7				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	2.8	0.539	0.080	0.0700	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	42.8	0.886	0.258	2.7066	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	3.4	0.925	0.049	0.1204	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	57.4	1.045	0.210	0.8145	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-9.2	-1.177	-2.307	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	39.7	0.030	0.007	607.4025	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.180	0.279	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				59

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Results for 100 year 600 minute summer. 840 minute analysis at 15 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
600 minute summer	Coach Drop Subbase 1	330	3.016	0.192	10.3	38.3296	0.0000	OK
600 minute summer	SW1 14	840	2.776	0.381	7.6	0.1353	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	8.1	0.222	0.221	0.0366	
600 minute summer	SW1 14	1.0071	SW1 15 [MH]	22.9	0.230	0.152	3.1765	

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Results for 100 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	SW1 5 [MH]	375	2.862	0.054	5.1	0.0910	0.0000	OK
720 minute summer	Play Area Subbase 2	435	3.212	0.304	2.3	16.2741	0.0000	FLOOD RISK
720 minute summer	Informal Outdoor Games Area	465	3.237	0.382	12.9	92.8287	0.0000	FLOOD RISK
720 minute summer	SW1 7 [MH]	375	2.788	0.070	8.7	0.0000	0.0000	OK
720 minute summer	SW1 10 [Catchpit IC]	720	3.207	0.329	8.4	0.9222	0.0000	SURCHARGED
720 minute summer	Coach Drop Subbase 2	405	3.336	0.435	9.0	62.1387	0.0000	FLOOD RISK
720 minute summer	Play Area 1	435	3.053	0.230	5.1	34.6081	0.0000	FLOOD RISK
720 minute summer	SW1 13 [MH]	405	2.802	0.103	17.4	0.0689	0.0000	OK
720 minute summer	SW1 12 [IC]	390	3.010	0.191	7.3	0.0000	0.0000	OK
720 minute summer	SW1 6	375	2.895	0.040	2.4	0.0303	0.0000	OK
720 minute summer	SW1 8 [MH]	960	2.788	0.339	31.1	0.7910	0.0000	OK
720 minute summer	Swale 1	960	2.788	0.146	3.7	41.1240	0.0000	OK
720 minute summer	SW1 15 [MH]	960	2.788	0.441	87.2	1.1487	0.0000	OK
720 minute summer	Carpark 1	735	3.207	0.297	8.0	84.9664	0.0000	FLOOD RISK
720 minute summer	Permavoid	960	2.788	0.485	75.5	1.8027	0.0000	OK
720 minute summer	Pond	960	2.788	0.499	43.7	157.4988	0.0000	SURCHARGED
720 minute summer	SW1 16 [MH]	960	2.786	0.523	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	5.1	0.487	0.072	0.2322	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.356	0.006	0.0009	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.9				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	2.5				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.2				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	8.7	0.696	0.123	0.8615	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	5.7				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.5				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	2.3				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	17.4	0.833	0.259	0.8621	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	7.0				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	2.4	0.515	0.068	0.0628	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	42.4	0.839	0.256	2.7881	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	3.1	0.893	0.044	0.1276	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	64.8	0.903	0.238	0.8191	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-8.0	-1.026	-2.011	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	41.7	0.027	0.007	621.7925	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.179	0.280	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				67

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Results for 100 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	Coach Drop Subbase 1	390	3.010	0.186	9.0	36.8792	0.0000	OK
720 minute summer	SW1 14	960	2.788	0.393	6.1	0.1394	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	7.3	0.206	0.200	0.0355	
720 minute summer	SW1 14	1.0071	SW1 15 [MH]	17.9	0.202	0.119	3.2338	

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Results for 100 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	SW1 5 [MH]	495	2.857	0.049	4.1	0.0818	0.0000	OK
960 minute summer	Play Area Subbase 2	570	3.206	0.298	1.8	16.1007	0.0000	FLOOD RISK
960 minute summer	Informal Outdoor Games Area	615	3.231	0.376	10.2	90.5064	0.0000	FLOOD RISK
960 minute summer	SW1 7 [MH]	1200	2.806	0.088	7.2	0.0000	0.0000	OK
960 minute summer	SW1 10 [Catchpit IC]	960	3.208	0.330	6.6	0.9252	0.0000	SURCHARGED
960 minute summer	Coach Drop Subbase 2	540	3.320	0.419	7.1	62.0730	0.0000	FLOOD RISK
960 minute summer	Play Area 1	555	3.049	0.226	4.1	33.7901	0.0000	FLOOD RISK
960 minute summer	SW1 13 [MH]	1200	2.806	0.107	13.9	0.0716	0.0000	OK
960 minute summer	SW1 12 [IC]	510	2.999	0.180	6.1	0.0000	0.0000	OK
960 minute summer	SW1 6	495	2.890	0.035	1.9	0.0271	0.0000	OK
960 minute summer	SW1 8 [MH]	1200	2.806	0.357	24.8	0.8329	0.0000	OK
960 minute summer	Swale 1	1200	2.806	0.164	3.6	46.1929	0.0000	OK
960 minute summer	SW1 15 [MH]	1200	2.806	0.459	59.7	1.1954	0.0000	SURCHARGED
960 minute summer	Carpark 1	960	3.208	0.298	6.3	85.2943	0.0000	FLOOD RISK
960 minute summer	Permavoid	1200	2.806	0.503	109.4	1.8695	0.0000	OK
960 minute summer	Pond	1200	2.806	0.517	34.7	164.3465	0.0000	SURCHARGED
960 minute summer	SW1 16 [MH]	1200	2.804	0.541	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	4.1	0.451	0.058	0.2012	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.354	0.006	0.0009	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.7				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	1.9				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.2				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	7.2	0.659	0.102	1.0047	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	4.2				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.5				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	2.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	13.9	0.782	0.207	0.9984	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	5.7				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	1.9	0.485	0.054	0.0528	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	27.5	0.793	0.166	2.9071	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	-2.9	0.839	-0.042	0.1360	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	102.3	0.900	0.375	0.8212	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-6.3	-0.800	-1.567	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	31.9	0.024	0.005	644.4921	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.178	0.279	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				84

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Results for 100 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	Coach Drop Subbase 1	510	2.999	0.175	7.1	34.4434	0.0000	OK
960 minute summer	SW1 14	1200	2.805	0.410	24.2	0.1457	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	6.1	0.181	0.165	0.0336	
960 minute summer	SW1 14	1.0071	SW1 15 [MH]	-23.5	-0.253	-0.156	3.2965	

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Results for 100 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	SW1 5 [MH]	750	2.848	0.040	2.8	0.0681	0.0000	OK
1440 minute summer	Play Area Subbase 2	870	3.193	0.285	1.2	15.3818	0.0000	FLOOD RISK
1440 minute summer	Informal Outdoor Games Area	930	3.218	0.363	7.0	85.7448	0.0000	FLOOD RISK
1440 minute summer	SW1 7 [MH]	1680	2.822	0.104	5.3	0.0000	0.0000	OK
1440 minute summer	SW1 10 [Catchpit IC]	1440	3.198	0.320	4.5	0.8978	0.0000	SURCHARGED
1440 minute summer	Coach Drop Subbase 2	810	3.305	0.404	4.9	62.0097	0.0000	FLOOD RISK
1440 minute summer	Play Area 1	840	3.040	0.217	2.8	32.2631	0.0000	OK
1440 minute summer	SW1 13 [MH]	1680	2.822	0.123	10.2	0.0823	0.0000	OK
1440 minute summer	SW1 12 [IC]	780	2.983	0.164	4.4	0.0000	0.0000	OK
1440 minute summer	SW1 6	750	2.885	0.030	1.3	0.0226	0.0000	OK
1440 minute summer	SW1 8 [MH]	1680	2.822	0.373	18.3	0.8703	0.0000	OK
1440 minute summer	Swale 1	1680	2.822	0.180	3.1	50.7142	0.0000	OK
1440 minute summer	SW1 15 [MH]	1680	2.822	0.475	92.4	1.2372	0.0000	SURCHARGED
1440 minute summer	Carpark 1	1440	3.198	0.288	4.2	82.2993	0.0000	FLOOD RISK
1440 minute summer	Permavoid	1680	2.822	0.519	89.7	1.9290	0.0000	OK
1440 minute summer	Pond	1680	2.822	0.533	35.4	170.5239	0.0000	SURCHARGED
1440 minute summer	SW1 16 [MH]	1680	2.820	0.557	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
40 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	2.8	0.393	0.040	0.2491	
40 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.352	0.006	0.0009	
40 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.5				
40 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.8				
40 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.2				
40 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	5.3	0.603	0.074	1.1331	
40 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
40 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.3				
40 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	2.9				
40 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.5				
40 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
40 minute summer	Play Area 1	Weir	SW1 13 [MH]	1.5				
40 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	10.3	0.717	0.152	1.1190	
40 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
40 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	4.1				
40 minute summer	SW1 6	7.000_1	SW1 7 [MH]	1.3	0.434	0.037	0.0404	
40 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	28.4	0.685	0.171	3.0013	
40 minute summer	Swale 1	9.000	SW1 15 [MH]	-2.4	0.756	-0.035	0.1419	
40 minute summer	SW1 15 [MH]	1.004	Permavoid	82.7	0.905	0.303	0.8212	
40 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-4.2	-0.536	-1.050	0.0194	
40 minute summer	Permavoid	Permavoid	Pond	33.5	0.019	0.006	664.7400	
40 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.177	0.278	0.0898	
40 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				11

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Results for 100 year 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.94%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	Coach Drop Subbase 1	780	2.983	0.159	4.9	31.0073	0.0000	OK
1440 minute summer	SW1 14	1680	2.822	0.427	19.0	0.1514	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	4.4	0.145	0.121	0.0305	
1440 minute summer	SW1 14	1.0071	SW1 15 [MH]	19.4	-0.254	0.128	3.3358	

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Results for 100 year 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	SW1 5 [MH]	1140	2.842	0.034	1.9	0.0567	0.0000	OK
2160 minute summer	Play Area Subbase 2	1260	3.182	0.274	0.8	14.7559	0.0000	FLOOD RISK
2160 minute summer	Informal Outdoor Games Area	1440	3.198	0.343	4.7	78.1150	0.0000	FLOOD RISK
2160 minute summer	SW1 7 [MH]	2400	2.831	0.113	3.9	0.0000	0.0000	OK
2160 minute summer	SW1 10 [Catchpit IC]	1860	3.179	0.301	3.0	0.8431	0.0000	SURCHARGED
2160 minute summer	Coach Drop Subbase 2	1260	3.285	0.384	3.3	61.9297	0.0000	FLOOD RISK
2160 minute summer	Play Area 1	1260	3.031	0.208	1.9	30.7334	0.0000	OK
2160 minute summer	SW1 13 [MH]	2400	2.831	0.132	6.5	0.0890	0.0000	OK
2160 minute summer	SW1 12 [IC]	1140	2.969	0.150	3.2	0.0000	0.0000	OK
2160 minute summer	SW1 6	1140	2.880	0.025	0.9	0.0190	0.0000	OK
2160 minute summer	SW1 8 [MH]	2400	2.831	0.382	12.6	0.8933	0.0000	OK
2160 minute summer	Swale 1	2400	2.831	0.189	2.4	53.4940	0.0000	OK
2160 minute summer	SW1 15 [MH]	2400	2.831	0.484	62.9	1.2628	0.0000	SURCHARGED
2160 minute summer	Carpark 1	1860	3.179	0.269	2.7	76.2996	0.0000	FLOOD RISK
2160 minute summer	Permavoid	2400	2.831	0.528	41.6	1.9657	0.0000	OK
2160 minute summer	Pond	2400	2.831	0.542	22.8	174.3541	0.0000	SURCHARGED
2160 minute summer	SW1 16 [MH]	2400	2.830	0.567	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discha Vol (m
60 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	1.9	0.337	0.027	0.2955	
60 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.350	0.006	0.0009	
60 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.3				
60 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
60 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.1				
60 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	3.9	0.558	0.056	1.2110	
60 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
60 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.3				
60 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	1.5				
60 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.5				
60 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
60 minute summer	Play Area 1	Weir	SW1 13 [MH]	1.0				
60 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	6.5	0.631	0.097	1.1924	
60 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
60 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	2.8				
60 minute summer	SW1 6	7.000_1	SW1 7 [MH]	0.9	0.394	0.026	0.0308	
60 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	20.7	0.619	0.125	3.0517	
60 minute summer	Swale 1	9.000	SW1 15 [MH]	-1.8	0.683	-0.026	0.1452	
60 minute summer	SW1 15 [MH]	1.004	Permavoid	36.0	0.581	0.132	0.8212	
60 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-2.7	-0.348	-0.682	0.0194	
60 minute summer	Permavoid	Permavoid	Pond	21.8	0.018	0.004	677.1884	
60 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.176	0.276	0.0898	
60 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				16

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Results for 100 year 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 99.96%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2160 minute summer	Coach Drop Subbase 1	1140	2.969	0.145	3.3	28.0304	0.0000	OK
2160 minute summer	SW1 14	2400	2.831	0.436	3.9	0.1549	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	3.2	0.114	0.086	0.0277	
2160 minute summer	SW1 14	1.0071	SW1 15 [MH]	12.6	0.178	0.083	3.3541	

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Results for 100 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	SW1 5 [MH]	1500	2.838	0.030	1.5	0.0506	0.0000	OK
2880 minute summer	Play Area Subbase 2	1680	3.177	0.269	0.7	14.4794	0.0000	FLOOD RISK
2880 minute summer	Informal Outdoor Games Area	1860	3.172	0.317	3.7	68.5883	0.0000	FLOOD RISK
2880 minute summer	SW1 7 [MH]	3120	2.836	0.118	3.3	0.0000	0.0000	OK
2880 minute summer	SW1 10 [Catchpit IC]	2220	3.168	0.290	2.4	0.8136	0.0000	SURCHARGED
2880 minute summer	Coach Drop Subbase 2	1680	3.277	0.376	2.6	61.8954	0.0000	FLOOD RISK
2880 minute summer	Play Area 1	1620	3.025	0.202	1.5	29.5298	0.0000	OK
2880 minute summer	SW1 13 [MH]	3120	2.836	0.137	4.9	0.0922	0.0000	OK
2880 minute summer	SW1 12 [IC]	1500	2.962	0.143	2.5	0.0000	0.0000	OK
2880 minute summer	SW1 6	1500	2.877	0.022	0.7	0.0169	0.0000	OK
2880 minute summer	SW1 8 [MH]	3120	2.836	0.387	10.0	0.9046	0.0000	OK
2880 minute summer	Swale 1	3120	2.836	0.194	1.8	54.8577	0.0000	OK
2880 minute summer	SW1 15 [MH]	3120	2.836	0.489	70.0	1.2754	0.0000	SURCHARGED
2880 minute summer	Carpark 1	2220	3.168	0.258	2.1	73.0654	0.0000	FLOOD RISK
2880 minute summer	Permavoid	3120	2.836	0.533	57.2	1.9836	0.0000	OK
2880 minute summer	Pond	3120	2.836	0.547	25.0	176.2423	0.0000	SURCHARGED
2880 minute summer	SW1 16 [MH]	3120	2.835	0.572	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discha Vol (m
80 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	1.5	0.306	0.021	0.3198	
80 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.349	0.006	0.0009	
80 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.2				
80 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
80 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.1				
80 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	3.3	0.530	0.047	1.2489	
80 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.0				
80 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.3				
80 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	1.0				
80 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.5				
80 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
80 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.7				
80 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	4.9	0.561	0.072	1.2277	
80 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
80 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	2.2				
80 minute summer	SW1 6	7.000_1	SW1 7 [MH]	0.7	0.364	0.020	0.0359	
80 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	18.0	0.534	0.109	3.0733	
80 minute summer	Swale 1	9.000	SW1 15 [MH]	-1.3	0.630	-0.019	0.1467	
80 minute summer	SW1 15 [MH]	1.004	Permavoid	53.5	0.535	0.196	0.8212	
80 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-2.1	-0.272	-0.534	0.0194	
80 minute summer	Permavoid	Permavoid	Pond	24.0	0.018	0.004	683.2958	
80 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.178	0.277	0.0898	
80 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				21

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Results for 100 year 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 99.95%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
2880 minute summer	Coach Drop Subbase 1	1500	2.962	0.138	2.6	26.2847	0.0000	OK
2880 minute summer	SW1 14	3120	2.836	0.441	11.9	0.1566	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	2.5	0.096	0.068	0.0260	
2880 minute summer	SW1 14	1.0071	SW1 15 [MH]	13.8	0.216	0.092	3.3604	

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Results for 100 year +25% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	SW1 5 [MH]	18	2.991	0.183	45.9	0.3077	0.0000	OK
30 minute summer	Play Area Subbase 2	35	3.144	0.236	20.2	12.6208	0.0000	FLOOD RISK
30 minute summer	Informal Outdoor Games Area	35	3.178	0.323	115.2	70.9293	0.0000	FLOOD RISK
30 minute summer	SW1 7 [MH]	18	2.950	0.232	68.2	0.0000	0.0000	OK
30 minute summer	SW1 10 [Catchpit IC]	18	3.563	0.685	74.7	1.9309	0.0000	FLOOD RISK
30 minute summer	Coach Drop Subbase 2	35	3.149	0.248	80.2	50.0498	0.0000	FLOOD RISK
30 minute summer	Play Area 1	34	3.019	0.196	45.9	28.5150	0.0000	OK
30 minute summer	SW1 13 [MH]	18	2.932	0.233	65.7	0.1565	0.0000	OK
30 minute summer	SW1 12 [IC]	30	3.035	0.216	10.4	0.0000	0.0000	OK
30 minute summer	SW1 6	18	2.987	0.132	21.8	0.1009	0.0000	OK
30 minute summer	SW1 8 [MH]	18	2.827	0.378	216.6	0.8829	0.0000	OK
30 minute summer	Swale 1	22	2.707	0.065	54.8	18.4448	0.0000	OK
30 minute summer	SW1 15 [MH]	18	2.732	0.385	325.1	1.0024	0.0000	OK
30 minute summer	Carpark 1	35	3.031	0.121	31.4	30.7719	0.0000	SURCHARGED
30 minute summer	Permavoid	267	2.524	0.221	438.5	0.8232	0.0000	OK
30 minute summer	Pond	270	2.524	0.235	323.3	66.4275	0.0000	SURCHARGED
30 minute summer	SW1 16 [MH]	270	2.522	0.259	1.9	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	45.7	0.905	0.645	1.1337	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.5	0.342	0.020	0.0165	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.1				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	67.8	1.237	0.961	1.6906	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	42.9				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.5				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	0.0				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	0.5				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	65.5	1.175	0.972	1.5641	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	10.0				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	21.7	0.894	0.619	0.3614	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	217.0	1.608	1.309	2.7332	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	-23.7	-1.367	-0.338	0.0690	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	299.9	2.087	1.099	0.7450	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-31.4	-4.274	-7.872	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	292.3	0.129	0.049	288.6190	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.9	0.267	0.341	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				23

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Results for 100 year +25% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	Coach Drop Subbase 1	30	3.035	0.211	80.2	42.3318	0.0000	OK
30 minute summer	SW1 14	18	2.735	0.340	13.2	0.1208	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	10.4	0.366	0.284	0.0389	
30 minute summer	SW1 14	1.0071	SW1 15 [MH]	14.0	-0.185	0.093	2.8969	

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Results for 100 year +25% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	SW1 5 [MH]	33	2.955	0.147	34.2	0.2485	0.0000	OK
60 minute summer	Play Area Subbase 2	63	3.191	0.283	15.1	15.2803	0.0000	FLOOD RISK
60 minute summer	Informal Outdoor Games Area	64	3.221	0.366	85.7	86.7209	0.0000	FLOOD RISK
60 minute summer	SW1 7 [MH]	33	2.903	0.185	51.4	0.0000	0.0000	OK
60 minute summer	SW1 10 [Catchpit IC]	33	3.495	0.617	55.6	1.7281	0.0000	FLOOD RISK
60 minute summer	Coach Drop Subbase 2	63	3.284	0.383	59.7	61.9248	0.0000	FLOOD RISK
60 minute summer	Play Area 1	62	3.047	0.224	34.2	33.4866	0.0000	OK
60 minute summer	SW1 13 [MH]	33	2.882	0.183	49.5	0.1232	0.0000	OK
60 minute summer	SW1 12 [IC]	44	3.053	0.234	12.9	0.0000	0.0000	SURCHARGED
60 minute summer	SW1 6	33	2.962	0.107	16.2	0.0817	0.0000	OK
60 minute summer	SW1 8 [MH]	33	2.757	0.308	161.5	0.7194	0.0000	OK
60 minute summer	Swale 1	40	2.696	0.054	23.2	15.1277	0.0000	OK
60 minute summer	SW1 15 [MH]	33	2.671	0.324	245.5	0.8438	0.0000	OK
60 minute summer	Carpark 1	65	3.074	0.164	28.0	44.0950	0.0000	SURCHARGED
60 minute summer	Permavoid	300	2.586	0.283	347.5	1.0528	0.0000	OK
60 minute summer	Pond	300	2.586	0.297	222.7	86.1681	0.0000	SURCHARGED
60 minute summer	SW1 16 [MH]	299	2.584	0.321	1.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	34.2	0.857	0.483	0.8778	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.1	0.352	0.006	0.0041	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.5				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	1.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.2				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	51.3	1.161	0.726	1.2900	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	29.0				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.5				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	1.4				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.5				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	1.9				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	49.0	1.132	0.727	1.1651	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	12.5				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	16.2	0.870	0.461	0.2544	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	160.6	1.464	0.969	2.2332	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	8.8	1.220	0.125	0.0426	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	244.5	2.007	0.896	0.6322	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-28.0	-3.618	-7.020	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	199.6	0.067	0.033	366.7338	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.7	0.204	0.306	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				25

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Results for 100 year +25% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	Coach Drop Subbase 1	44	3.054	0.230	59.7	46.4418	0.0000	FLOOD RISK
60 minute summer	SW1 14	33	2.671	0.276	10.0	0.0979	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	12.9	0.358	0.353	0.0398	
60 minute summer	SW1 14	1.0071	SW1 15 [MH]	10.4	-0.154	0.069	2.3754	

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Results for 100 year +25% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	SW1 5 [MH]	64	2.926	0.118	23.6	0.1985	0.0000	OK
120 minute summer	Play Area Subbase 2	82	3.275	0.367	10.4	16.3599	0.0000	FLOOD RISK
120 minute summer	Informal Outdoor Games Area	116	3.255	0.400	59.2	99.6669	0.0000	FLOOD RISK
120 minute summer	SW1 7 [MH]	64	2.867	0.149	36.0	0.0000	0.0000	OK
120 minute summer	SW1 10 [Catchpit IC]	64	3.410	0.532	38.4	1.4912	0.0000	FLOOD RISK
120 minute summer	Coach Drop Subbase 2	76	3.400	0.499	41.2	62.4037	0.4094	FLOOD
120 minute summer	Play Area 1	92	3.069	0.246	23.6	37.3480	0.0000	FLOOD RISK
120 minute summer	SW1 13 [MH]	76	2.852	0.153	37.1	0.1030	0.0000	OK
120 minute summer	SW1 12 [IC]	76	3.072	0.253	15.7	0.0000	0.0000	SURCHARGED
120 minute summer	SW1 6	64	2.941	0.086	11.2	0.0662	0.0000	OK
120 minute summer	SW1 8 [MH]	64	2.700	0.251	113.7	0.5869	0.0000	OK
120 minute summer	Swale 1	72	2.696	0.054	16.0	15.2904	0.0000	OK
120 minute summer	SW1 15 [MH]	360	2.690	0.343	175.5	0.8949	0.0000	OK
120 minute summer	Carpark 1	126	3.135	0.225	22.7	62.9183	0.0000	FLOOD RISK
120 minute summer	Permavoid	360	2.690	0.387	246.4	1.4405	0.0000	OK
120 minute summer	Pond	360	2.690	0.401	156.3	121.7775	0.0000	SURCHARGED
120 minute summer	SW1 16 [MH]	360	2.688	0.425	1.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	23.6	0.783	0.333	0.6651	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.2	0.366	0.007	0.0010	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	2.5				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	4.5				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.2				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	36.0	1.043	0.509	1.0066	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	15.4				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	13.2				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.6				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	3.3				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	36.3	1.032	0.539	0.9477	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	15.3				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	11.2	0.798	0.319	0.1892	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	113.4	1.298	0.684	1.9970	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	9.0	1.227	0.128	0.0526	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	175.3	1.877	0.642	0.7065	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-22.7	-2.900	-5.684	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	140.4	0.052	0.023	498.6490	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.7	0.188	0.297	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				28

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Results for 100 year +25% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	Coach Drop Subbase 1	76	3.073	0.249	41.2	50.7089	0.0000	FLOOD RISK
120 minute summer	SW1 14	360	2.690	0.295	8.7	0.1048	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	15.7	0.396	0.430	0.0398	
120 minute summer	SW1 14	1.0071	SW1 15 [MH]	-8.7	0.086	-0.058	2.5470	

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Results for 100 year +25% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	SW1 5 [MH]	96	2.910	0.102	18.1	0.1723	0.0000	OK
180 minute summer	Play Area Subbase 2	108	3.291	0.383	8.0	16.3814	0.4148	FLOOD
180 minute summer	Informal Outdoor Games Area	136	3.267	0.412	45.5	104.1683	0.0000	FLOOD RISK
180 minute summer	SW1 7 [MH]	96	2.847	0.129	27.9	0.0000	0.0000	OK
180 minute summer	SW1 10 [Catchpit IC]	96	3.361	0.483	29.5	1.3538	0.0000	FLOOD RISK
180 minute summer	Coach Drop Subbase 2	108	3.400	0.499	31.6	62.4037	1.0407	FLOOD
180 minute summer	Play Area 1	124	3.080	0.257	18.1	39.3858	0.0000	FLOOD RISK
180 minute summer	SW1 13 [MH]	108	2.859	0.160	39.0	0.1074	0.0000	OK
180 minute summer	SW1 12 [IC]	108	3.074	0.255	16.0	0.0000	0.0000	SURCHARGED
180 minute summer	SW1 6	96	2.930	0.075	8.6	0.0575	0.0000	OK
180 minute summer	SW1 8 [MH]	420	2.751	0.302	89.8	0.7061	0.0000	OK
180 minute summer	Swale 1	420	2.751	0.109	12.3	30.8554	0.0000	OK
180 minute summer	SW1 15 [MH]	420	2.751	0.404	139.0	1.0538	0.0000	OK
180 minute summer	Carpark 1	188	3.178	0.268	20.5	76.1702	0.0000	FLOOD RISK
180 minute summer	Permavoid	420	2.751	0.448	193.5	1.6675	0.0000	OK
180 minute summer	Pond	420	2.751	0.462	123.4	143.8788	0.0000	SURCHARGED
180 minute summer	SW1 16 [MH]	420	2.750	0.487	1.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	18.1	0.726	0.256	0.5509	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.2	0.369	0.007	0.0010	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	3.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	6.1				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.3				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	27.9	0.969	0.395	0.8410	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	8.9				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	13.2				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.6				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	4.2				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	39.1	1.056	0.581	0.9982	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	15.6				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	8.6	0.741	0.245	0.1563	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	89.5	1.205	0.540	2.5152	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	8.3	1.199	0.118	0.1020	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	138.8	1.774	0.509	0.7976	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-20.5	-2.620	-5.135	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	111.2	0.046	0.019	575.8089	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.7	0.185	0.293	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				31

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Results for 100 year +25% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	Coach Drop Subbase 1	108	3.075	0.251	31.6	51.0674	0.0000	FLOOD RISK
180 minute summer	SW1 14	420	2.751	0.356	5.2	0.1264	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	16.0	0.402	0.436	0.0398	
180 minute summer	SW1 14	1.0071	SW1 15 [MH]	5.1	0.076	0.034	3.0225	

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Results for 100 year +25% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	SW1 5 [MH]	124	2.902	0.094	15.5	0.1586	0.0000	OK
240 minute summer	Play Area Subbase 2	140	3.291	0.383	6.8	16.3814	0.2936	FLOOD
240 minute summer	Informal Outdoor Games Area	156	3.297	0.442	38.9	105.5163	0.0000	FLOOD RISK
240 minute summer	SW1 7 [MH]	124	2.837	0.119	24.0	0.0000	0.0000	OK
240 minute summer	SW1 10 [Catchpit IC]	124	3.333	0.455	25.2	1.2748	0.0000	FLOOD RISK
240 minute summer	Coach Drop Subbase 2	136	3.400	0.499	27.1	62.4037	1.7579	FLOOD
240 minute summer	Play Area 1	156	3.085	0.262	15.5	40.2936	0.0000	FLOOD RISK
240 minute summer	SW1 13 [MH]	136	2.859	0.160	39.0	0.1074	0.0000	OK
240 minute summer	SW1 12 [IC]	140	3.071	0.252	15.5	0.0000	0.0000	SURCHARGED
240 minute summer	SW1 6	124	2.924	0.069	7.4	0.0531	0.0000	OK
240 minute summer	SW1 8 [MH]	480	2.795	0.346	79.7	0.8080	0.0000	OK
240 minute summer	Swale 1	480	2.795	0.153	10.5	43.1960	0.0000	OK
240 minute summer	SW1 15 [MH]	480	2.795	0.448	117.6	1.1678	0.0000	OK
240 minute summer	Carpark 1	248	3.209	0.299	18.9	85.5770	0.0000	FLOOD RISK
240 minute summer	Permavoid	480	2.795	0.492	163.9	1.8301	0.0000	OK
240 minute summer	Pond	480	2.795	0.506	104.6	160.2841	0.0000	SURCHARGED
240 minute summer	SW1 16 [MH]	480	2.793	0.530	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	15.4	0.691	0.218	0.4914	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.2	0.369	0.007	0.0010	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	3.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	10.5				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.3				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	23.8	0.924	0.337	0.9195	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	5.7				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	13.2				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.6				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	4.6				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	39.1	1.055	0.580	0.9980	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	15.1				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	7.4	0.709	0.210	0.1398	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	79.6	1.163	0.480	2.8381	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	7.5	1.167	0.107	0.1317	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	117.1	1.698	0.429	0.8208	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-18.9	-2.415	-4.733	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	94.1	0.042	0.016	631.0760	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.183	0.290	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				34

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Results for 100 year +25% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.92%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	Coach Drop Subbase 1	140	3.071	0.247	27.1	50.3781	0.0000	FLOOD RISK
240 minute summer	SW1 14	480	2.795	0.400	4.5	0.1420	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	15.5	0.390	0.424	0.0398	
240 minute summer	SW1 14	1.0071	SW1 15 [MH]	4.2	0.074	0.028	3.2649	

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Results for 100 year +25% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	SW1 5 [MH]	184	2.890	0.082	11.8	0.1378	0.0000	OK
360 minute summer	Play Area Subbase 2	200	3.291	0.383	5.2	16.3814	0.2457	FLOOD
360 minute summer	Informal Outdoor Games Area	216	3.307	0.452	29.6	105.5741	0.0000	FLOOD RISK
360 minute summer	SW1 7 [MH]	600	2.855	0.137	24.0	0.0000	0.0000	OK
360 minute summer	SW1 10 [Catchpit IC]	264	3.298	0.420	19.2	1.1782	0.0000	FLOOD RISK
360 minute summer	Coach Drop Subbase 2	192	3.400	0.499	20.6	62.4037	2.3123	FLOOD
360 minute summer	Play Area 1	224	3.086	0.263	11.8	40.3467	0.0000	FLOOD RISK
360 minute summer	SW1 13 [MH]	600	2.855	0.156	35.5	0.1047	0.0000	OK
360 minute summer	SW1 12 [IC]	200	3.058	0.239	13.7	0.0000	0.0000	SURCHARGED
360 minute summer	SW1 6	184	2.915	0.060	5.6	0.0460	0.0000	OK
360 minute summer	SW1 8 [MH]	600	2.855	0.406	71.9	0.9476	0.0000	OK
360 minute summer	Swale 1	600	2.855	0.213	9.9	60.0644	0.0000	OK
360 minute summer	SW1 15 [MH]	600	2.855	0.508	100.2	1.3235	0.0000	SURCHARGED
360 minute summer	Carpark 1	264	3.298	0.388	16.6	86.0560	0.0000	FLOOD RISK
360 minute summer	Permavoid	600	2.855	0.552	129.8	2.0522	0.0000	OK
360 minute summer	Pond	600	2.855	0.566	83.2	183.5033	0.0000	SURCHARGED
360 minute summer	SW1 16 [MH]	600	2.853	0.590	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	11.7	0.636	0.166	0.4198	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.2	0.369	0.007	0.0010	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	3.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	12.1				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.3				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	22.9	0.908	0.324	1.3901	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	2.6				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	13.2				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.6				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	4.6				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	35.5	1.024	0.527	1.3588	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	13.3				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	5.6	0.655	0.159	0.1145	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	71.3	1.116	0.430	3.1352	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	-8.3	1.099	-0.118	0.1514	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	99.0	1.416	0.363	0.8212	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-16.6	-2.117	-4.150	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	76.3	0.038	0.013	706.6161	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.179	0.286	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				42

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Results for 100 year +25% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.91%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	Coach Drop Subbase 1	200	3.059	0.235	20.6	47.6167	0.0000	FLOOD RISK
360 minute summer	SW1 14	600	2.855	0.460	3.4	0.1631	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	13.7	0.344	0.374	0.0398	
360 minute summer	SW1 14	1.0071	SW1 15 [MH]	3.0	0.071	0.020	3.3683	

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Results for 100 year +25% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.76%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	SW1 5 [MH]	720	2.893	0.085	9.1	0.1433	0.0000	OK
480 minute summer	Play Area Subbase 2	256	3.291	0.383	4.0	16.3814	0.1499	FLOOD
480 minute summer	Informal Outdoor Games Area	288	3.291	0.436	22.9	105.4795	0.0000	FLOOD RISK
480 minute summer	SW1 7 [MH]	720	2.893	0.175	19.1	0.0000	0.0000	OK
480 minute summer	SW1 10 [Catchpit IC]	312	3.313	0.435	14.9	1.2185	0.0000	FLOOD RISK
480 minute summer	Coach Drop Subbase 2	256	3.400	0.499	16.0	62.4037	0.0533	FLOOD
480 minute summer	Play Area 1	288	3.083	0.260	9.1	39.8033	0.0000	FLOOD RISK
480 minute summer	SW1 13 [MH]	720	2.893	0.194	32.6	0.1303	0.0000	OK
480 minute summer	SW1 12 [IC]	264	3.047	0.228	12.1	0.0000	0.0000	SURCHARGED
480 minute summer	SW1 6	248	2.908	0.053	4.3	0.0404	0.0000	OK
480 minute summer	SW1 8 [MH]	720	2.893	0.444	64.6	1.0370	0.0000	OK
480 minute summer	Swale 1	720	2.893	0.251	11.2	70.8669	0.0000	SURCHARGED
480 minute summer	SW1 15 [MH]	720	2.893	0.546	88.1	1.4232	0.0000	SURCHARGED
480 minute summer	Carpark 1	312	3.312	0.402	14.2	86.0560	0.0000	FLOOD RISK
480 minute summer	Permavoid	720	2.893	0.590	111.5	2.1945	0.0000	OK
480 minute summer	Pond	720	2.893	0.604	70.2	197.4690	0.0000	SURCHARGED
480 minute summer	SW1 16 [MH]	720	2.891	0.628	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	9.1	0.587	0.129	0.6483	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.2	0.368	0.007	0.0027	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	3.0				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	9.5				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.3				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	19.4	0.873	0.275	1.6455	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	3.8				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	13.2				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.6				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	4.3				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	32.6	0.999	0.483	1.5922	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	11.7				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	4.3	0.608	0.123	0.1442	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	64.5	1.027	0.389	3.2121	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	-9.5	1.047	-0.135	0.1530	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	87.5	1.174	0.321	0.8212	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-14.2	-1.815	-3.557	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	64.8	0.034	0.011	751.6985	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.179	0.283	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				51

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Results for 100 year +25% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.76%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	Coach Drop Subbase 1	264	3.048	0.224	16.0	45.1527	0.0000	OK
480 minute summer	SW1 14	720	2.893	0.498	2.6	0.1768	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	12.1	0.305	0.331	0.0397	
480 minute summer	SW1 14	1.0071	SW1 15 [MH]	2.3	0.068	0.015	3.3683	

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Results for 100 year +25% CC 600 minute summer. 840 minute analysis at 15 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
600 minute summer	SW1 5 [MH]	840	2.969	0.161	7.4	0.2717	0.0000	OK
600 minute summer	Play Area Subbase 2	330	3.273	0.365	3.2	16.3573	0.0000	FLOOD RISK
600 minute summer	Informal Outdoor Games Area	360	3.281	0.426	18.5	105.4168	0.0000	FLOOD RISK
600 minute summer	SW1 7 [MH]	840	2.969	0.251	16.4	0.0000	0.0000	OK
600 minute summer	SW1 10 [Catchpit IC]	390	3.306	0.428	12.0	1.1990	0.0000	FLOOD RISK
600 minute summer	Coach Drop Subbase 2	315	3.392	0.491	12.8	62.3719	0.0000	FLOOD RISK
600 minute summer	Play Area 1	345	3.078	0.255	7.4	39.0499	0.0000	FLOOD RISK
600 minute summer	SW1 13 [MH]	840	2.969	0.270	28.8	0.1815	0.0000	OK
600 minute summer	SW1 12 [IC]	330	3.036	0.217	10.6	0.0000	0.0000	OK
600 minute summer	SW1 6	840	2.969	0.114	3.5	0.0872	0.0000	OK
600 minute summer	SW1 8 [MH]	840	2.969	0.520	55.2	1.2144	0.0000	SURCHARGED
600 minute summer	Swale 1	840	2.969	0.327	11.0	92.3707	0.0000	FLOOD RISK
600 minute summer	SW1 15 [MH]	840	2.970	0.623	76.5	1.6252	0.0000	SURCHARGED
600 minute summer	Carpark 1	375	3.307	0.397	11.5	86.0560	0.0000	FLOOD RISK
600 minute summer	Permavoid	825	2.970	0.667	98.3	2.4806	0.0000	FLOOD RISK
600 minute summer	Pond	840	2.967	0.678	63.3	197.5263	0.0000	SURCHARGED
600 minute summer	SW1 16 [MH]	840	2.967	0.704	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	7.4	0.550	0.105	1.1151	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.6	0.366	0.026	0.0233	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	2.5				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	8.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.3				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	16.4	0.826	0.232	1.9475	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	3.2				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	12.2				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.6				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	4.0				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	28.7	0.962	0.426	1.8480	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	10.2				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	3.5	0.574	0.100	0.3604	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	55.0	0.972	0.332	3.2162	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	-10.5	0.989	-0.149	0.1530	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	76.1	0.996	0.279	0.8212	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-11.5	-1.476	-2.893	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	58.3	0.032	0.010	759.2354	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.178	0.282	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				60

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Results for 100 year +25% CC 600 minute summer. 840 minute analysis at 15 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
600 minute summer	Coach Drop Subbase 1	330	3.036	0.212	12.8	42.6413	0.0000	OK
600 minute summer	SW1 14	810	2.969	0.574	2.1	0.2037	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	10.6	0.271	0.289	0.0391	
600 minute summer	SW1 14	1.0071	SW1 15 [MH]	2.0	0.068	0.013	3.3683	

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Results for 100 year +25% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.83%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	SW1 5 [MH]	945	3.020	0.212	6.4	0.3575	0.0000	OK
720 minute summer	Play Area Subbase 2	390	3.266	0.358	2.8	16.3478	0.0000	FLOOD RISK
720 minute summer	Informal Outdoor Games Area	435	3.268	0.413	16.1	104.3444	0.0000	FLOOD RISK
720 minute summer	SW1 7 [MH]	945	3.020	0.302	14.5	0.0000	0.0000	SURCHARGED
720 minute summer	SW1 10 [Catchpit IC]	450	3.310	0.432	10.5	1.2115	0.0000	FLOOD RISK
720 minute summer	Coach Drop Subbase 2	375	3.380	0.479	11.2	62.3200	0.0000	FLOOD RISK
720 minute summer	Play Area 1	420	3.075	0.252	6.4	38.3983	0.0000	FLOOD RISK
720 minute summer	SW1 13 [MH]	960	3.020	0.321	25.8	0.2158	0.0000	SURCHARGED
720 minute summer	SW1 12 [IC]	390	3.027	0.208	9.5	0.0000	0.0000	OK
720 minute summer	SW1 6	945	3.020	0.165	3.1	0.1263	0.0000	OK
720 minute summer	SW1 8 [MH]	945	3.020	0.571	49.1	1.3340	0.0000	SURCHARGED
720 minute summer	Swale 1	945	3.020	0.378	10.6	106.7773	0.0000	FLOOD RISK
720 minute summer	SW1 15 [MH]	945	3.020	0.673	67.6	1.7546	0.0000	FLOOD RISK
720 minute summer	Carpark 1	450	3.310	0.400	10.1	86.0560	0.0000	FLOOD RISK
720 minute summer	Permavoid	945	3.021	0.718	86.3	2.6695	0.0000	FLOOD RISK
720 minute summer	Pond	945	3.018	0.729	54.6	197.5657	0.0000	SURCHARGED
720 minute summer	SW1 16 [MH]	945	3.018	0.755	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	6.4	0.520	0.090	1.3580	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.3	0.365	0.012	0.0382	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	2.3				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	6.1				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.3				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	14.5	0.803	0.205	2.0558	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	3.5				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	10.6				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.6				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	3.7				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	25.7	0.932	0.382	1.8967	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	9.1				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	3.1	0.556	0.088	0.4781	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	49.0	0.869	0.296	3.2162	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	-10.2	0.955	-0.145	0.1530	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	66.9	0.852	0.245	0.8212	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-10.1	-1.287	-2.523	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	50.3	0.030	0.008	759.2354	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.178	0.280	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				70

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Results for 100 year +25% CC 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 99.83%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
720 minute summer	Coach Drop Subbase 1	390	3.027	0.203	11.2	40.7101	0.0000	OK
720 minute summer	SW1 14	945	3.020	0.625	1.9	0.2219	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	Coach Drop Subbase 1	7.000	SW1 12 [IC]	9.5	0.248	0.258	0.0381	
720 minute summer	SW1 14	1.0071	SW1 15 [MH]	1.7	0.063	0.011	3.3683	

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Results for 100 year +25% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.82%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	SW1 5 [MH]	1005	3.073	0.265	5.1	0.4461	0.0000	OK
960 minute summer	Play Area Subbase 2	510	3.252	0.344	2.3	16.3286	0.0000	FLOOD RISK
960 minute summer	Informal Outdoor Games Area	570	3.259	0.404	12.8	101.1778	0.0000	FLOOD RISK
960 minute summer	SW1 7 [MH]	1020	3.073	0.355	12.0	0.0000	0.0000	SURCHARGED
960 minute summer	SW1 10 [Catchpit IC]	585	3.305	0.427	8.3	1.1982	0.0000	FLOOD RISK
960 minute summer	Coach Drop Subbase 2	495	3.360	0.459	8.9	62.2403	0.0000	FLOOD RISK
960 minute summer	Play Area 1	1005	3.073	0.250	5.1	38.0633	0.0000	FLOOD RISK
960 minute summer	SW1 13 [MH]	990	3.073	0.374	21.3	0.2513	0.0000	SURCHARGED
960 minute summer	SW1 12 [IC]	975	3.073	0.254	7.8	0.0000	0.0000	SURCHARGED
960 minute summer	SW1 6	975	3.073	0.218	2.4	0.1668	0.0000	OK
960 minute summer	SW1 8 [MH]	1005	3.073	0.624	40.3	1.4582	0.0000	FLOOD RISK
960 minute summer	Swale 1	1020	3.073	0.431	9.4	121.6754	0.0000	FLOOD RISK
960 minute summer	SW1 15 [MH]	1020	3.075	0.728	105.0	1.8975	0.0000	FLOOD RISK
960 minute summer	Carpark 1	585	3.305	0.395	7.9	86.0560	0.0000	FLOOD RISK
960 minute summer	Permavoid	975	3.074	0.771	136.8	2.8669	0.0000	FLOOD RISK
960 minute summer	Pond	975	3.073	0.784	50.7	197.6079	0.0000	FLOOD RISK
960 minute summer	SW1 16 [MH]	975	3.071	0.808	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Dischar Vol (m
0 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	5.1	0.481	0.072	1.4959	
0 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.4	0.363	0.019	0.0424	
0 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	1.9				
0 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	5.0				
0 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.3				
0 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	12.0	0.757	0.170	2.0562	
0 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	3.1				
0 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	8.3				
0 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.6				
0 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.3				
0 minute summer	Play Area 1	Weir	SW1 13 [MH]	3.2				
0 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	21.2	0.882	0.315	1.8967	
0 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.4				
0 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	7.4				
0 minute summer	SW1 6	7.000_1	SW1 7 [MH]	2.4	0.515	0.068	0.5332	
0 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	50.7	0.782	0.306	3.2162	
0 minute summer	Swale 1	9.000	SW1 15 [MH]	-9.0	0.896	-0.128	0.1530	
0 minute summer	SW1 15 [MH]	1.004	Permavoid	123.2	1.101	0.451	0.8212	
0 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-7.9	-1.011	-1.980	0.0194	
0 minute summer	Permavoid	Permavoid	Pond	48.1	0.027	0.008	759.2354	
0 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.178	0.279	0.0898	
0 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				88

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Results for 100 year +25% CC 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 99.82%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
960 minute summer	Coach Drop Subbase 1	975	3.073	0.249	8.9	50.6958	0.0000	FLOOD RISK
960 minute summer	SW1 14	1005	3.074	0.679	25.6	0.2410	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	Coach Drop Subbase 1	7.000	SW1 12 [IC]	7.8	0.215	0.213	0.0398	
960 minute summer	SW1 14	1.0071	SW1 15 [MH]	-24.3	-0.263	-0.161	3.3683	

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Results for 100 year +25% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.84%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	SW1 5 [MH]	1470	3.119	0.311	3.5	0.5241	0.0000	SURCHARGED
1440 minute summer	Play Area Subbase 2	780	3.225	0.317	1.5	16.2912	0.0000	FLOOD RISK
1440 minute summer	Informal Outdoor Games Area	840	3.245	0.390	8.8	95.7708	0.0000	FLOOD RISK
1440 minute summer	SW1 7 [MH]	1470	3.119	0.401	8.5	0.0000	0.0000	SURCHARGED
1440 minute summer	SW1 10 [Catchpit IC]	870	3.294	0.416	5.7	1.1666	0.0000	FLOOD RISK
1440 minute summer	Coach Drop Subbase 2	750	3.334	0.433	6.1	62.1322	0.0000	FLOOD RISK
1440 minute summer	Play Area 1	1470	3.119	0.296	3.5	46.3166	0.0000	FLOOD RISK
1440 minute summer	SW1 13 [MH]	1470	3.119	0.420	15.7	0.2824	0.0000	SURCHARGED
1440 minute summer	SW1 12 [IC]	1470	3.120	0.301	5.6	0.0000	0.0000	FLOOD RISK
1440 minute summer	SW1 6	1470	3.119	0.264	1.7	0.2022	0.0000	SURCHARGED
1440 minute summer	SW1 8 [MH]	1470	3.119	0.670	29.0	1.5656	0.0000	FLOOD RISK
1440 minute summer	Swale 1	1470	3.119	0.477	7.9	134.6189	0.0000	FLOOD RISK
1440 minute summer	SW1 15 [MH]	1470	3.117	0.770	124.3	2.0063	0.0000	FLOOD RISK
1440 minute summer	Carpark 1	870	3.294	0.384	5.3	86.0560	0.0000	FLOOD RISK
1440 minute summer	Permavoid	1470	3.119	0.816	89.1	3.0369	0.0000	FLOOD RISK
1440 minute summer	Pond	1470	3.119	0.830	51.6	197.6436	0.0000	FLOOD RISK
1440 minute summer	SW1 16 [MH]	1470	3.116	0.853	1.7	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discha Vol (m
40 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	3.5	0.419	0.049	1.5469	
40 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.6	0.358	0.026	0.0424	
40 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	1.2				
40 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	3.3				
40 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.2				
40 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	8.5	0.657	0.120	2.0562	
40 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	2.2				
40 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.4				
40 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	5.6				
40 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.5				
40 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.3				
40 minute summer	Play Area 1	Weir	SW1 13 [MH]	2.4				
40 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	15.7	0.807	0.232	1.8967	
40 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
40 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	5.3				
40 minute summer	SW1 6	7.000_1	SW1 7 [MH]	1.7	0.469	0.048	0.5358	
40 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	44.1	0.680	0.266	3.2162	
40 minute summer	Swale 1	9.000	SW1 15 [MH]	-7.6	0.784	-0.108	0.1530	
40 minute summer	SW1 15 [MH]	1.004	Permavoid	78.6	0.924	0.288	0.8212	
40 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-5.3	-0.683	-1.340	0.0194	
40 minute summer	Permavoid	Permavoid	Pond	49.2	0.022	0.008	759.2354	
40 minute summer	Pond	1.011	SW1 16 [MH]	1.7	0.177	0.294	0.0898	
40 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				12

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Results for 100 year +25% CC 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 99.84%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute summer	Coach Drop Subbase 1	1470	3.119	0.295	6.1	60.8799	0.0000	FLOOD RISK
1440 minute summer	SW1 14	1470	3.119	0.724	15.6	0.2571	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	Coach Drop Subbase 1	7.000	SW1 12 [IC]	5.6	0.171	0.153	0.0398	
1440 minute summer	SW1 14	1.0071	SW1 15 [MH]	26.6	0.306	0.176	3.3683	

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Results for 100 year +25% CC 2160 minute summer. 2400 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
2160 minute summer	SW1 5 [MH]	2220	3.120	0.312	2.3	0.5256	0.0000	SURCHARGED
2160 minute summer	Play Area Subbase 2	1200	3.201	0.293	1.0	15.8505	0.0000	FLOOD RISK
2160 minute summer	Informal Outdoor Games Area	1320	3.230	0.375	5.9	90.2042	0.0000	FLOOD RISK
2160 minute summer	SW1 7 [MH]	2220	3.120	0.402	5.7	0.0000	0.0000	SURCHARGED
2160 minute summer	SW1 10 [Catchpit IC]	1320	3.281	0.403	3.8	1.1304	0.0000	FLOOD RISK
2160 minute summer	Coach Drop Subbase 2	1140	3.313	0.412	4.1	62.0434	0.0000	FLOOD RISK
2160 minute summer	Play Area 1	2220	3.120	0.297	2.3	46.4104	0.0000	FLOOD RISK
2160 minute summer	SW1 13 [MH]	2220	3.120	0.421	11.1	0.2826	0.0000	SURCHARGED
2160 minute summer	SW1 12 [IC]	2220	3.120	0.301	4.0	0.0000	0.0000	FLOOD RISK
2160 minute summer	SW1 6	2220	3.120	0.265	1.1	0.2024	0.0000	SURCHARGED
2160 minute summer	SW1 8 [MH]	2220	3.120	0.671	20.4	1.5673	0.0000	FLOOD RISK
2160 minute summer	Swale 1	2220	3.120	0.478	4.8	135.0049	0.0000	FLOOD RISK
2160 minute summer	SW1 15 [MH]	2220	3.122	0.775	22.3	2.0212	0.0000	FLOOD RISK
2160 minute summer	Carpark 1	1320	3.281	0.371	3.5	86.0560	0.0000	FLOOD RISK
2160 minute summer	Permavoid	2220	3.120	0.817	79.6	3.0385	0.0000	FLOOD RISK
2160 minute summer	Pond	2220	3.118	0.829	19.0	197.6427	0.0000	FLOOD RISK
2160 minute summer	SW1 16 [MH]	2220	3.118	0.855	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discha Vol (m
60 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	2.3	0.361	0.032	1.5469	
60 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	0.2	0.354	0.008	0.0424	
60 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.7				
60 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	1.8				
60 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.2				
60 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	5.7	0.597	0.081	2.0562	
60 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	1.3				
60 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.4				
60 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	3.6				
60 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.5				
60 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
60 minute summer	Play Area 1	Weir	SW1 13 [MH]	1.7				
60 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	11.1	0.731	0.164	1.8967	
60 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
60 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	3.6				
60 minute summer	SW1 6	7.000_1	SW1 7 [MH]	1.1	0.416	0.031	0.5358	
60 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	18.1	0.567	0.109	3.2162	
60 minute summer	Swale 1	9.000	SW1 15 [MH]	-3.6	0.700	-0.051	0.1530	
60 minute summer	SW1 15 [MH]	1.004	Permavoid	72.6	0.804	0.266	0.8212	
60 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-3.5	-0.445	-0.873	0.0194	
60 minute summer	Permavoid	Permavoid	Pond	17.8	0.017	0.003	759.2354	
60 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.175	0.281	0.0898	
60 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				17

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Results for 100 year +25% CC 2160 minute summer. 2400 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
2160 minute summer	Coach Drop Subbase 1	2220	3.119	0.295	4.1	60.8893	0.0000	FLOOD RISK
2160 minute summer	SW1 14	2220	3.118	0.723	16.1	0.2567	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	Coach Drop Subbase 1	7.000	SW1 12 [IC]	4.0	0.134	0.108	0.0398	
2160 minute summer	SW1 14	1.0071	SW1 15 [MH]	-15.4	-0.226	-0.102	3.3683	

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Results for 100 year +25% CC 2880 minute summer. 3120 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
2880 minute summer	SW1 5 [MH]	2940	3.117	0.309	1.8	0.5213	0.0000	SURCHARGED
2880 minute summer	Play Area Subbase 2	1560	3.193	0.285	0.8	15.4169	0.0000	FLOOD RISK
2880 minute summer	Informal Outdoor Games Area	1740	3.219	0.364	4.6	85.9998	0.0000	FLOOD RISK
2880 minute summer	SW1 7 [MH]	2940	3.117	0.399	4.2	0.0000	0.0000	SURCHARGED
2880 minute summer	SW1 10 [Catchpit IC]	1800	3.271	0.393	3.0	1.1016	0.0000	FLOOD RISK
2880 minute summer	Coach Drop Subbase 2	1560	3.295	0.394	3.2	61.9714	0.0000	FLOOD RISK
2880 minute summer	Play Area 1	2940	3.117	0.294	1.8	46.0143	0.0000	FLOOD RISK
2880 minute summer	SW1 13 [MH]	2940	3.117	0.418	8.2	0.2809	0.0000	SURCHARGED
2880 minute summer	SW1 12 [IC]	2940	3.118	0.299	3.1	0.0000	0.0000	FLOOD RISK
2880 minute summer	SW1 6	2940	3.117	0.262	0.9	0.2006	0.0000	SURCHARGED
2880 minute summer	SW1 8 [MH]	2940	3.117	0.668	15.0	1.5615	0.0000	FLOOD RISK
2880 minute summer	Swale 1	2940	3.117	0.475	4.0	134.1356	0.0000	FLOOD RISK
2880 minute summer	SW1 15 [MH]	2940	3.115	0.768	73.4	2.0012	0.0000	FLOOD RISK
2880 minute summer	Carpark 1	1800	3.271	0.361	2.7	86.0560	0.0000	FLOOD RISK
2880 minute summer	Permavoid	2940	3.118	0.815	54.0	3.0317	0.0000	FLOOD RISK
2880 minute summer	Pond	2940	3.117	0.828	26.9	197.6424	0.0000	FLOOD RISK
2880 minute summer	SW1 16 [MH]	2940	3.114	0.851	1.6	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discha Vol (m
80 minute summer	SW1 5 [MH]	5.000_1	SW1 7 [MH]	1.8	0.325	0.025	1.5469	
80 minute summer	Play Area Subbase 2	4.000	SW1 7 [MH]	-0.4	0.352	-0.018	0.0424	
80 minute summer	Play Area Subbase 2	Weir	SW1 7 [MH]	0.5				
80 minute summer	Informal Outdoor Games Area	Weir	SW1 7 [MH]	0.9				
80 minute summer	Informal Outdoor Games Area	Orifice	SW1 7 [MH]	1.2				
80 minute summer	SW1 7 [MH]	5.001_1	SW1 8 [MH]	4.2	0.568	0.060	2.0562	
80 minute summer	SW1 10 [Catchpit IC]	Weir	SW1 13 [MH]	0.7				
80 minute summer	SW1 10 [Catchpit IC]	Orifice	SW1 13 [MH]	0.4				
80 minute summer	Coach Drop Subbase 2	Weir	SW1 13 [MH]	2.2				
80 minute summer	Coach Drop Subbase 2	Orifice	SW1 13 [MH]	0.5				
80 minute summer	Play Area 1	Orifice	SW1 13 [MH]	0.2				
80 minute summer	Play Area 1	Weir	SW1 13 [MH]	1.3				
80 minute summer	SW1 13 [MH]	5.001	SW1 8 [MH]	8.2	0.640	0.122	1.8967	
80 minute summer	SW1 12 [IC]	Orifice	SW1 13 [MH]	0.3				
80 minute summer	SW1 12 [IC]	Weir	SW1 13 [MH]	2.8				
80 minute summer	SW1 6	7.000_1	SW1 7 [MH]	0.9	0.394	0.026	0.5358	
80 minute summer	SW1 8 [MH]	1.003	SW1 15 [MH]	21.8	0.569	0.131	3.2162	
80 minute summer	Swale 1	9.000	SW1 15 [MH]	-3.8	0.617	-0.054	0.1530	
80 minute summer	SW1 15 [MH]	1.004	Permavoid	49.4	0.717	0.181	0.8212	
80 minute summer	Carpark 1	1.000	SW1 10 [Catchpit IC]	-2.7	-0.345	-0.676	0.0194	
80 minute summer	Permavoid	Permavoid	Pond	25.7	0.018	0.004	759.2354	
80 minute summer	Pond	1.011	SW1 16 [MH]	1.6	0.177	0.286	0.0898	
80 minute summer	SW1 16 [MH]	Hydro-Brake®		1.5				23

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Results for 100 year +25% CC 2880 minute summer. 3120 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
2880 minute summer	Coach Drop Subbase 1	2940	3.117	0.293	3.2	60.4369	0.0000	FLOOD RISK
2880 minute summer	SW1 14	2940	3.118	0.723	9.8	0.2566	0.0000	FLOOD RISK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	Coach Drop Subbase 1	7.000	SW1 12 [IC]	3.1	0.113	0.085	0.0398	
2880 minute summer	SW1 14	1.0071	SW1 15 [MH]	14.6	0.196	0.097	3.3683	

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