

P:\EricW Longacre GHRes (2449)\70 - Flow+\Glasshouse and Reservoir (Option B Pumped).pfd
T COUNCIL Y/92/18/DOC

10080 minute winter	57	3430	8.327	0.017	0.3	0.0138	0.0000OK	Infiltration	0.0				
10080 minute winter	58	3600	8.285	0.020	0.3	0.0328	0.0000OK	Infiltration	0.0				
10080 minute winter	59	3480	8.217	0.012	0.3	0.0157	0.0000OK	Infiltration	0.1				
10080 minute winter	60	5180	8.210	0.025	0.3	0.0087	0.0000OK	Infiltration	0.1				
10080 minute winter	61	5220	8.210	0.074	0.4	0.0253	0.0000OK	Infiltration	0.1				
10080 minute winter	62							Infiltration	0.3				
10080 minute winter	63	3540	8.140	0.064	0.1	0.0013	0.0000OK	Infiltration	0.1				
10080 minute winter	63	5720	7.894	0.058	0.2	0.0198	0.0000OK	Infiltration	0.1				
10080 minute winter	63_OUT	8480	7.894	0.129	0.2	0.0438	0.0000OK	Infiltration	0.1				
10080 minute winter	64	5220	5.286	0.081	0.1	0.0130	0.0000OK	Infiltration	0.1				
10080 minute winter	65	5220	5.286	0.141	0.2	0.0228	0.0000OK	Infiltration	0.1				
10080 minute winter	66	5220	5.286	0.173	0.2	0.0274	0.0000OK	Infiltration	0.1				
10080 minute winter	67	5220	8.268	0.190	0.1	0.0295	0.0000OK	Infiltration	0.1				
10080 minute winter	68	4980	5.079	0.093	0.1	0.0004	0.0000OK	Infiltration	0.1				
10080 minute winter	69	5220	5.949	0.184	0.2	0.0294	0.0000OK	Infiltration	0.1				
10080 minute winter	70	5220	5.787	0.012	0.1	0.0020	0.0000OK	Infiltration	0.2				
10080 minute winter	71	5220	5.787	0.082	0.2	0.0132	0.0000OK	Infiltration	0.1				
10080 minute winter	72	5220	5.787	0.082	0.2	0.0132	0.0000OK	Infiltration	0.1				
10080 minute winter	73	5220	5.900	0.195	0.1	0.0311	0.0000OK	Infiltration	0.1				
10080 minute winter	74	5220	5.900	0.195	0.2	0.0311	0.0000OK	Infiltration	0.1				
10080 minute winter	75	5220	5.900	0.195	0.2	0.0311	0.0000OK	Infiltration	0.1				
10080 minute winter	76	5220	5.900	0.265	0.2	0.0402	0.0000OK	Infiltration	0.1				
10080 minute winter	76_OUT	5220	5.900	0.255	0.2	0.0423	0.0000OK	Infiltration	0.1				

Results for 1000 year 15 minute summer, 255 minute analysis at 1 minute timestep. Mass balance: 95.67%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	1	10	9.800	0.530	27.8	0.0000	0.0000	FLOOD RISK	1.000	2	-27.9	-0.925	-1.275	0.4653	
15 minute summer	2	10	9.800	0.550	33.5	0.0000	0.0000	FLOOD RISK	1.001	3	-33.5	-1.070	-1.684	1.1254	
15 minute summer	3	9	9.800	0.650	48.5	0.0000	0.0000	FLOOD RISK	1.002	4	-48.5	-1.554	-2.269	0.4956	
15 minute summer	4	9	9.800	0.790	65.9	0.0000	0.0000	FLOOD RISK	1.003	5	-65.9	-2.108	-2.882	0.5441	
15 minute summer	5	8	9.800	0.890	85.5	0.0000	0.0000	FLOOD RISK	1.004	6	-85.5	-2.733	-2.287	0.1621	
15 minute summer	6	8	9.800	0.990	249.3	49.9395	0.0000	FLOOD RISK	1.005	7	108.4	2.175	2.195	0.7798	
15 minute summer	7	8	9.800	1.050	182.3	25.0709	0.0000	FLOOD RISK	1.006	8	141.5	1.818	2.018	2.4923	
15 minute summer	8	8	9.800	1.250	373.5	42.5027	0.0000	FLOOD RISK	1.007	9	282.6	2.098	2.428	5.9230	
15 minute summer	9	9	9.800	1.450	722.1	59.5622	0.0000	FLOOD RISK	1.008	10	574.4	2.937	2.423	3.1380	
15 minute summer	10	9	9.800	1.590	661.0	10.7423	0.0000	FLOOD RISK	1.009	11	428.3	2.238	2.905	47.5813	
15 minute summer	11	11	9.800	1.890	429.3	0.0000	0.0000	FLOOD RISK	1.010	12	401.1	2.651	1.393	53.3278	
15 minute summer	12	11	7.750	1.000	401.1	0.0000	0.0000	FLOOD RISK	1.011	13	558.0	3.890	2.831	0.3798	
15 minute summer	13	10	9.778	0.278	558.0	0.0000	0.0000	OK	1.012	13_OUT	479.2	7.524	0.387	0.5354	
15 minute summer	13_OUT	14	8.472	0.939	479.2	0.0000	0.0000	OK	Flow through pond	49	833.1	0.119	0.000	1015.6294	
15 minute summer	14	8	9.800	0.590	26.7	0.0000	0.0000	FLOOD RISK	2.000	15	-26.7	-0.853	-0.885	0.5136	
15 minute summer	15	9	9.800	0.714	245.8	51.0395	0.0000	FLOOD RISK	2.001	16	99.8	2.648	2.058	0.9254	
15 minute summer	16	9	9.800	0.899	99.8	0.0000	0.0000	FLOOD RISK	2.002	17	109.6	2.241	2.224	0.8320	
15 minute summer	17	9	9.800	0.941	188.4	19.8258	0.0000	FLOOD RISK	2.003	18	147.0	1.888	1.881	1.8750	
15 minute summer	18	9	9.800	1.119	247.5	40.4554	0.0000	FLOOD RISK	2.004	19	237.1	1.894	1.880	5.4890	
15 minute summer	19	9	9.800	1.344	454.3	59.9922	0.0000	FLOOD RISK	2.005	20	409.7	2.099	2.073	4.6828	
15 minute summer	20	8	9.800	1.359	408.7	0.0000	0.0000	FLOOD RISK	2.006	21	415.8	2.298	2.102	3.4979	
15 minute summer	21	8	9.800	1.428	415.8	0.0000	0.0000	FLOOD RISK	2.007	22	422.9	2.162	0.710	3.7404	
15 minute summer	22	8	9.800	1.800	583.6	27.0735	0.0000	FLOOD RISK	2.008	23	544.1	2.782	1.888	53.3017	
15 minute summer	23	8	7.750	1.000	544.1	0.0000	0.0000	FLOOD RISK	2.009	24	544.1	3.332	2.771	0.3639	
15 minute summer	24	10	9.752	0.252	544.1	0.0000	0.0000	OK	2.010	24_OUT	544.2	6.280	0.440	0.5188	
15 minute summer	24_OUT	13	8.871	1.337	544.2	0.0000	0.0000	OK	Flow through pond	49	833.1	0.119	0.000	1015.6294	
15 minute summer	25	11	9.212	0.416	26.9	0.2882	0.0000	UNCHARGED	3.000	26	19.3	1.690	1.078	0.6227	
15 minute summer	26	13	8.784	0.349	39.3	5.8831	0.0000	UNCHARGED	3.001	27	18.3	0.958	1.029	0.7028	
								Infiltration			3.6				
15 minute summer	27	15	8.405	0.290	36.7	5.1158	0.0000	UNCHARGED	3.002	28	19.6	1.189	0.970	0.5744	
								Infiltration			3.7				
15 minute summer	28	14	8.031	0.336	36.7	4.3714	0.0000	UNCHARGED	3.003	29	23.2	1.321	0.985	0.8315	
								Infiltration			2.8				
15 minute summer	29	12	7.384	0.319	42.5	2.9409	0.0000	UNCHARGED	3.004	30	33.4	1.898	1.260	0.1195	
								Infiltration			2.2				
15 minute summer	30	27	7.120	0.295	36.5	0.0354	0.0000	OK	3.005	31	34.8	0.378	0.014	6.1554	
15 minute summer	31	27	7.121	0.428	38.3	0.6512	0.0000	OK	3.006	32	31.5	0.248	0.018	5.9890	
								Infiltration			2.3				

15 minute summer	32	27	7.122	0.477	35.2	0.0572	0.0000OK	3.007	33	27.6	0.198	0.013	5.2862
								Infiltration		1.8			
								Infiltration		1.9			
15 minute summer	33	27	7.122	0.347	31.5	0.0416	0.0000OK	3.008	34	27.0	0.391	0.018	4.1136
15 minute summer	34	27	7.121	0.376	36.8	0.0451	0.0000OK	3.009	35	21.3	0.372	0.009	3.7134
								Infiltration		1.5			
15 minute summer	35	27	7.123	0.448	25.2	0.0538	0.0000OK	3.010	36	9.4	0.093	0.003	7.1253
								Infiltration		1.3			
15 minute summer	36	27	7.120	0.610	10.4	0.0702	0.0000OK	3.011	37	0.0	0.009	0.000	0.0000
								Infiltration		2.0			
15 minute summer	37	18	6.659	0.154	11.2	0.0185	0.0000OK	3.012	38	-8.1	0.003	-0.003	4.9695
15 minute summer	38	18	6.659	0.394	21.1	0.0473	0.0000OK	3.013	39	-18.0	-0.190	-0.011	3.4887
								Infiltration		1.5			
								Infiltration		2.2			
15 minute summer	39	17	6.890	0.205	20.5	0.0248	0.0000OK	3.014	40	-15.8	-0.479	-0.011	1.9810
								Infiltration		0.7			
15 minute summer	40	11	6.749	0.054	17.0	0.0095	0.0000OK	3.015	41	-13.3	-0.457	-0.009	0.3794
								Infiltration		0.0			
15 minute summer	41	11	6.918	0.051	13.3	0.0081	0.0000OK	3.016	42	-9.8	-0.393	-0.006	0.3159
								Infiltration		0.0			
15 minute summer	42	11	7.124	0.039	9.7	0.0047	0.0000OK	3.017	43	-6.0	-0.201	-0.004	0.3030
								Infiltration		0.1			
15 minute summer	43	11	7.191	0.049	8.2	0.0055	0.0000OK	3.018	44	-2.3	-0.128	-0.002	0.2337
								Infiltration		0.1			
15 minute summer	44	10	7.247	0.022	3.9	0.0027	0.0000OK	3.019	45	1.5	0.093	0.001	0.1822
15 minute summer	45	11	7.230	0.038	5.4	0.0045	0.0000OK	3.020	46	5.1	0.240	0.002	0.2792
								Infiltration		0.1			
15 minute summer	46	11	7.188	0.041	8.9	0.0050	0.0000OK	3.021	47	8.6	0.350	0.003	0.3509
								Infiltration		0.1			
15 minute summer	47	11	7.015	0.050	12.5	0.0090	0.0000OK	3.022	48	12.4	0.277	0.004	0.8298
								Infiltration		0.0			
15 minute summer	48	20	6.990	0.165	16.1	0.0198	0.0000OK	3.023	53	15.5	0.312	0.020	1.5685
								Infiltration		0.2			
15 minute summer	49	83	7.638	-0.382	888.0	0.0090	0.0000OK	Orifice	50	0.0			
								Infiltration		0.0			
15 minute summer	50	1	7.400	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
15 minute summer	51	1	7.300	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
15 minute summer	52	1	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
15 minute summer	53	19	6.901	0.176	19.2	0.0211	0.0000OK	3.024	54	17.5	0.322	0.000	2.7872
								Infiltration		0.2			
15 minute summer	54	19	6.959	0.334	21.3	0.0401	0.0000OK	3.025	54_OUT	11.8	0.097	0.004	5.3478
								Infiltration		0.3			
15 minute summer	54_OUT	20	6.982	0.457	15.5	0.0549	0.0000OK	Infiltration		0.4			

15 minute summer	55	13	8.933	0.487	11.1	0.1655	0.0000 SURCHARGED	5.000	56	9.2	0.523	1.245	0.2949
15 minute summer	56	13	8.917	0.501	20.3	2.5222	0.0000 SURCHARGED	5.001	57	11.7	0.863	0.931	0.3709
								Infiltration		0.4			
15 minute summer	57	14	8.831	0.521	22.0	3.0220	0.0000 SURCHARGED	5.002	58	13.9	0.796	1.735	0.5482
								Infiltration		0.5			
15 minute summer	58	15	8.631	0.386	23.4	3.2549	0.0000 SURCHARGED	5.003	59	15.5	0.879	2.085	0.3908
								Infiltration		0.5			
15 minute summer	59	26	8.514	0.309	25.9	1.9057	0.0000 OK	5.004	60	17.1	0.216	0.024	9.0466
								Infiltration		0.4			
15 minute summer	60	26	8.514	0.329	26.2	0.1118	0.0000 OK	5.005	61	4.8	0.680	0.005	13.7271
								Infiltration		0.5			
15 minute summer	61	28	8.514	0.378	15.2	0.1264	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.8			
15 minute summer	62	11	8.195	0.058	11.1	0.0290	0.0000 OK	5.007	63	10.0	0.173	0.005	7.3855
15 minute summer	63	21	8.115	0.279	23.7	0.0948	0.0000 OK	5.008	63_OUT	-4.3	-0.675	-0.003	6.3553
								Infiltration		0.8			
15 minute summer	63_OUT	20	8.115	0.350	11.1	0.1191	0.0000 OK			0.4			
15 minute summer	64	20	6.439	0.254	5.2	0.0490	0.0000 OK	6.000	65	3.0	0.112	0.001	2.3219
15 minute summer	65	20	6.437	0.312	8.0	0.0499	0.0000 OK	6.001	66	-2.2	0.085	-0.001	3.2758
								Infiltration		0.2			
15 minute summer	66	19	6.436	0.345	6.0	0.0545	0.0000 OK	6.002	67	-2.0	0.637	-0.001	1.9131
								Infiltration		0.2			
15 minute summer	67	19	6.438	0.362	5.2	0.0561	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
15 minute summer	68	19	6.109	0.033	5.2	0.0052	0.0000 OK	6.004	69	5.1	0.091	0.002	4.3184
15 minute summer	69	21	6.108	0.340	10.2	0.0548	0.0000 OK	6.005	70	0.0	0.600	0.000	0.0000
								Infiltration		0.3			
15 minute summer	70	19	5.929	0.174	5.2	0.0278	0.0000 OK	6.006	71	3.7	0.121	0.001	1.3748
15 minute summer	71	19	5.929	0.244	8.9	0.0391	0.0000 OK	6.007	72	1.5	0.031	0.001	4.4713
								Infiltration		0.1			
15 minute summer	72	20	5.930	0.245	6.8	0.0392	0.0000 OK	6.008	73	0.0	0.600	0.000	0.0000
								Infiltration		0.3			
15 minute summer	73	20	6.078	0.371	5.2	0.0594	0.0000 OK	6.009	74	3.0	0.959	0.002	1.9371
15 minute summer	74	20	6.077	0.372	8.0	0.0595	0.0000 OK	6.010	75	2.4	0.129	0.002	2.1960
								Infiltration		0.1			
15 minute summer	75	20	6.077	0.372	7.4	0.0595	0.0000 OK	6.011	76	-2.1	0.094	-0.001	2.3823
								Infiltration		0.1			
15 minute summer	76	19	6.078	0.441	7.2	0.0671	0.0000 OK	6.012	76_OUT	-2.2	-0.916	-0.001	2.5208
								Infiltration		0.1			
15 minute summer	76_OUT	19	6.077	0.442	5.2	0.0707	0.0000 OK			0.1			

Results for 1000 year 15 minute winter, 255 minute analysis at 1 minute timestep. Mass balance: 98.12%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	1	8	9.890	0.500	17.8	0.0000	0.0000	FLOOD RISK	1.000	2	-17.8	-0.572	-0.818	0.4853	
15 minute winter	2	8	9.800	0.550	35.7	0.0000	0.0000	FLOOD RISK	1.001	3	-35.7	-1.142	-1.797	1.1264	
15 minute winter	3	8	9.800	0.650	53.2	0.0000	0.0000	FLOOD RISK	1.002	4	-53.2	-1.760	-2.515	0.4866	
15 minute winter	4	8	9.600	0.700	72.4	0.0000	0.0000	FLOOD RISK	1.003	5	-72.4	-2.313	-3.143	0.8441	
15 minute winter	5	8	9.600	0.800	92.5	0.0000	0.0000	FLOOD RISK	1.004	6	-92.5	-2.955	-2.473	0.1821	
15 minute winter	6	8	9.600	0.900	283.9	58.8231	0.0000	FLOOD RISK	1.005	7	119.8	2.450	2.472	0.7798	
15 minute winter	7	8	9.600	1.050	171.1	29.5111	0.0000	FLOOD RISK	1.006	8	159.0	2.042	2.264	2.4823	
15 minute winter	8	8	9.600	1.250	390.7	60.0267	0.0000	FLOOD RISK	1.007	9	284.7	2.116	2.447	5.8230	
15 minute winter	9	8	9.600	1.450	747.7	69.3830	0.0000	FLOOD RISK	1.008	10	558.4	2.855	2.358	3.1360	
15 minute winter	10	8	9.600	1.500	944.2	12.4787	0.0000	FLOOD RISK	1.009	11	476.4	2.439	3.224	47.8813	
15 minute winter	11	11	9.600	1.600	476.4	0.0000	0.0000	FLOOD RISK	1.010	12	442.2	2.261	1.538	53.3278	
15 minute winter	12	10	7.750	1.000	442.2	0.0000	0.0000	FLOOD RISK	1.011	13	456.3	2.821	2.324	0.3764	
15 minute winter	13	12	8.773	0.273	456.3	0.0000	0.0000	OK	1.012	13_OUT	474.8	8.449	0.384	0.5631	
15 minute winter	13_OUT	14	8.500	0.987	474.8	0.0000	0.0000	OK	Flow through pond	49	1002.8	0.136	0.000	1175.2997	
15 minute winter	14	8	9.600	0.500	27.2	0.0000	0.0000	FLOOD RISK	2.000	15	-27.2	-0.889	-0.902	0.8136	
15 minute winter	15	8	9.600	0.714	219.5	57.8838	0.0000	FLOOD RISK	2.001	16	168.3	2.215	2.234	0.9254	
15 minute winter	16	8	9.600	0.808	168.3	0.0000	0.0000	FLOOD RISK	2.002	17	119.8	2.452	2.434	0.6320	
15 minute winter	17	8	9.600	0.941	154.8	22.2729	0.0000	FLOOD RISK	2.003	18	159.6	2.050	2.641	1.8750	
15 minute winter	18	8	9.600	1.119	346.7	44.9891	0.0000	FLOOD RISK	2.004	19	254.3	2.032	2.620	5.4890	
15 minute winter	19	8	9.600	1.344	513.4	83.2884	0.0000	FLOOD RISK	2.005	20	438.8	2.243	2.225	4.0828	
15 minute winter	20	8	9.600	1.389	438.8	0.0000	0.0000	FLOOD RISK	2.006	21	440.3	2.290	2.249	3.4979	
15 minute winter	21	8	9.600	1.428	443.3	0.0000	0.0000	FLOOD RISK	2.007	22	449.5	2.298	0.754	3.7404	
15 minute winter	22	8	9.600	1.800	597.5	29.8467	0.0000	FLOOD RISK	2.008	23	579.6	2.954	2.612	53.3617	
15 minute winter	23	7	7.750	1.000	579.6	0.0000	0.0000	FLOOD RISK	2.009	24	579.6	3.512	2.952	0.3546	
15 minute winter	24	10	9.737	0.237	579.6	0.0000	0.0000	OK	2.010	24_OUT	579.5	6.380	0.468	0.5438	
15 minute winter	24_OUT	13	9.014	1.481	579.5	0.0000	0.0000	OK	Flow through pond	49	1002.8	0.136	0.000	1175.2997	
15 minute winter	25	11	9.275	0.479	21.9	0.0063	0.0000	SURCHARGED	3.000	26	20.1	1.144	1.123	0.6227	
15 minute winter	26	14	8.814	0.379	41.3	8.9198	0.0000	SURCHARGED	3.001	27	16.5	0.958	1.037	0.7028	
								Infiltration			3.8				
15 minute winter	27	15	8.429	0.314	37.8	6.0889	0.0000	SURCHARGED	3.002	28	19.0	1.186	0.943	0.5744	
								Infiltration			4.6				
15 minute winter	28	14	8.056	0.361	39.6	5.0494	0.0000	SURCHARGED	3.003	29	23.3	1.348	0.987	0.6315	
								Infiltration			3.1				
15 minute winter	29	13	7.400	0.335	43.6	3.2358	0.0000	SURCHARGED	3.004	30	34.2	1.940	1.228	0.1195	
								Infiltration			2.3				
15 minute winter	30	28	7.147	0.322	37.3	0.0386	0.0000	OK	3.005	31	34.8	0.408	0.915	5.7941	
15 minute winter	31	29	7.147	0.452	38.7	0.0542	0.0000	OK	3.006	32	31.5	0.248	0.918	6.5004	
								Infiltration			2.4				

15 minute winter	32	28	7.147	0.502	35.8	0.0603	0.0000OK	3.007	33	29.0	0.204	0.018	5.7913
								Infiltration		1.8			
								Infiltration		2.0			
15 minute winter	33	28	7.147	0.372	33.1	0.0446	0.0000OK	3.008	34	27.8	0.373	0.020	4.5514
15 minute winter	34	28	7.148	0.403	31.7	0.0484	0.0000OK	3.009	35	20.4	0.358	0.008	4.0435
								Infiltration		1.6			
15 minute winter	35	30	7.147	0.472	24.3	0.0566	0.0000OK	3.010	36	12.2	0.194	0.004	7.9447
								Infiltration		1.3			
15 minute winter	36	28	7.148	0.643	18.3	0.0733	0.0000OK	3.011	37	0.8	0.000	0.000	0.0000
								Infiltration		2.1			
15 minute winter	37	18	6.886	0.181	6.7	0.0217	0.0000OK	3.012	38	-5.6	0.088	-0.002	5.5941
15 minute winter	38	17	6.886	0.421	23.2	0.0505	0.0000OK	3.013	39	-15.8	-0.181	-0.011	3.9145
								Infiltration		1.5			
								Infiltration		2.3			
15 minute winter	39	18	6.956	0.201	21.7	0.0277	0.0000OK	3.014	40	-17.8	-0.478	-0.012	1.2407
								Infiltration		0.9			
15 minute winter	40	11	6.751	0.850	17.9	0.0607	0.0000OK	3.015	41	-14.0	-0.468	-0.003	0.3834
								Infiltration		0.0			
15 minute winter	41	11	6.918	0.053	14.0	0.0863	0.0000OK	3.016	42	-10.2	-0.490	-0.007	0.3283
								Infiltration		0.0			
15 minute winter	42	11	7.125	0.040	10.2	0.0046	0.0000OK	3.017	43	-6.3	-0.288	-0.004	0.3134
								Infiltration		0.1			
15 minute winter	43	11	7.192	0.047	6.5	0.0057	0.0000OK	3.018	44	-2.4	-0.132	-0.002	0.2415
								Infiltration		0.1			
15 minute winter	44	10	7.248	0.023	4.1	0.0028	0.0000OK	3.019	45	1.5	0.095	0.001	0.1987
15 minute winter	45	11	7.234	0.039	5.8	0.0047	0.0000OK	3.020	46	5.4	0.244	0.003	0.2890
								Infiltration		0.1			
15 minute winter	46	11	7.188	0.040	9.4	0.0051	0.0000OK	3.021	47	9.2	0.357	0.003	0.3635
								Infiltration		0.1			
15 minute winter	47	11	7.017	0.052	13.1	0.0062	0.0000OK	3.022	48	13.1	0.283	0.004	1.0902
								Infiltration		0.0			
15 minute winter	48	28	6.955	0.190	17.0	0.0228	0.0000OK	3.023	50	16.7	0.307	0.021	1.6555
								Infiltration		0.2			
15 minute winter	49	37	7.658	-0.342	1087.8	0.0500	0.0000OK	Orifice	50	0.0			
								Infiltration		0.0			
15 minute winter	50	1	7.450	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
15 minute winter	51	1	7.390	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
15 minute winter	52	1	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
15 minute winter	53	18	6.985	0.208	20.6	0.0240	0.0000OK	3.024	54	17.5	0.268	0.008	3.1573
								Infiltration		0.2			
15 minute winter	54	18	6.950	0.381	21.8	0.0433	0.0000OK	3.025	54_OUT	10.7	0.106	0.004	5.8268
								Infiltration		0.3			
15 minute winter	54_OUT	22	6.985	0.480	14.8	0.0576	0.0000OK	Infiltration		0.4			

15 minute winter	55	13	9.095	0.559	11.7	0.1900	0.0000SURCHARGED	5.000	56	9.7	0.551	1.312	0.2948
15 minute winter	56	13	8.980	0.594	21.4	2.8642	0.0000SURCHARGED	5.001	57	12.1	0.690	0.968	0.3708
15 minute winter	57	14	8.690	0.588	22.9	3.4559	0.0000SURCHARGED	5.002	58	14.5	0.822	1.898	0.5462
15 minute winter	58	15	8.877	0.432	24.3	3.7045	0.0000SURCHARGED	5.003	59	16.2	0.921	2.188	0.6908
15 minute winter	59	27	8.541	0.338	26.6	2.1917	0.0000OK	5.004	60	16.8	0.213	0.024	10.1518
15 minute winter	60	27	8.541	0.358	28.5	0.1212	0.0000OK	5.005	61	4.9	0.087	0.008	15.2713
15 minute winter	61	28	8.541	0.406	16.0	0.1378	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
15 minute winter	62	11	8.197	0.061	11.7	0.0297	0.0000OK	5.007	63	10.8	0.181	0.005	8.3369
15 minute winter	63	21	8.141	0.305	23.9	0.1037	0.0000OK	5.008	63_OUT	-3.9	-0.070	-0.002	7.0874
15 minute winter	63_OUT	20	8.140	0.376	11.7	0.1278	0.0000OK						
15 minute winter	64	18	6.485	0.289	5.6	0.0448	0.0000OK	8.000	65	3.5	0.121	0.002	2.6308
15 minute winter	65	20	6.485	0.340	10.5	0.0546	0.0000OK	8.001	66	-2.8	0.092	-0.002	3.6731
15 minute winter	66	19	6.465	0.372	8.6	0.0586	0.0000OK	8.002	67	-3.1	0.038	-0.002	2.1298
15 minute winter	67	19	6.489	0.389	5.5	0.0604	0.0000OK	8.003	68	0.0	0.000	0.000	0.0000
15 minute winter	68	19	8.129	0.053	5.5	0.0382	0.0000OK	8.004	69	5.3	0.095	0.002	4.7888
15 minute winter	69	21	8.128	0.381	10.7	0.0578	0.0000OK	8.005	70	0.0	0.000	0.000	0.0000
15 minute winter	70	19	6.951	0.196	5.6	0.0313	0.0000OK	8.006	71	4.0	0.123	0.002	1.5588
15 minute winter	71	19	6.950	0.295	8.7	0.0425	0.0000OK	8.007	72	1.7	0.034	0.001	4.9987
15 minute winter	72	19	6.951	0.268	8.9	0.0425	0.0000OK	8.008	73	0.0	0.000	0.000	0.0000
15 minute winter	73	21	6.110	0.406	5.6	0.0648	0.0000OK	8.009	74	2.6	0.068	0.002	2.1915
15 minute winter	74	20	6.110	0.408	7.7	0.0648	0.0000OK	8.010	75	2.4	0.118	0.002	2.4835
15 minute winter	75	20	6.110	0.405	8.2	0.0846	0.0000OK	8.011	76	2.5	0.105	0.001	2.8865
15 minute winter	76	19	6.110	0.476	7.3	0.0723	0.0000OK	8.012	76_OUT	-2.5	0.015	-0.002	2.8108
15 minute winter	76_OUT	19	6.110	0.475	5.5	0.0760	0.0000OK						

Results for 1000 year 30 minute summer, 279 minute analysis at 1 minute timestep. Mass balance: 95.52%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	1	15	9.800	0.530	18.8	0.0000	0.0000	FLOOD RISK	1.000	2	-18.8	-0.863	-0.858	0.4653	
30 minute summer	2	15	9.800	0.550	37.5	0.0000	0.0000	FLOOD RISK	1.001	3	-37.5	-1.293	-1.884	1.1254	
30 minute summer	3	15	9.800	0.650	56.3	0.0000	0.0000	FLOOD RISK	1.002	4	-56.3	-1.816	-2.566	0.4956	
30 minute summer	4	15	9.850	0.750	76.2	0.0000	0.0000	FLOOD RISK	1.003	5	-76.2	-2.434	-3.368	0.5441	
30 minute summer	5	15	9.800	0.850	96.4	0.0000	0.0000	FLOOD RISK	1.004	6	-96.4	-3.678	-2.577	0.1621	
30 minute summer	6	15	9.800	0.900	312.0	63.8878	0.0000	FLOOD RISK	1.005	7	112.9	2.308	2.330	0.7798	
30 minute summer	7	15	9.800	1.050	199.8	31.7710	0.0000	FLOOD RISK	1.006	8	157.5	2.623	2.243	2.4923	
30 minute summer	8	15	9.800	1.250	301.8	53.4252	0.0000	FLOOD RISK	1.007	9	245.0	1.957	2.264	5.9230	
30 minute summer	9	15	9.800	1.450	525.7	74.1583	0.0000	FLOOD RISK	1.008	10	420.3	2.148	1.773	3.1386	
30 minute summer	10	15	9.800	1.500	470.5	13.3323	0.0000	FLOOD RISK	1.009	11	459.1	2.353	3.114	47.5813	
30 minute summer	11	15	9.800	1.800	459.1	0.0000	0.0000	FLOOD RISK	1.010	12	459.5	2.349	1.536	53.3278	
30 minute summer	12	14	7.750	1.000	459.5	0.0000	0.0000	FLOOD RISK	1.011	13	474.4	3.238	2.418	0.3561	
30 minute summer	13	19	9.741	0.241	474.4	0.0000	0.0000	OK	1.012	13_OUT	497.3	7.231	0.462	0.5221	
30 minute summer	13_OUT	22	8.560	1.026	497.3	0.0000	0.0000	OK	Flow through pond	49	839.1	0.101	0.000	1480.0300	
30 minute summer	14	15	9.850	0.500	21.0	0.0000	0.0000	FLOOD RISK	2.000	15	-21.0	-0.735	-0.895	0.5136	
30 minute summer	15	15	9.800	0.714	184.3	58.2313	0.0000	FLOOD RISK	2.001	16	104.2	2.132	2.150	0.9254	
30 minute summer	16	14	9.800	0.899	104.2	0.0000	0.0000	FLOOD RISK	2.002	17	112.6	2.303	2.288	0.8320	
30 minute summer	17	14	9.800	0.941	128.9	22.4030	0.0000	FLOOD RISK	2.003	18	154.3	1.982	1.974	1.8750	
30 minute summer	18	14	9.800	1.119	247.9	45.3831	0.0000	FLOOD RISK	2.004	19	253.8	2.027	2.016	5.4890	
30 minute summer	19	14	9.850	1.344	504.0	83.3831	0.0000	FLOOD RISK	2.005	20	439.1	2.245	2.227	4.0828	
30 minute summer	20	14	9.800	1.359	439.1	0.0000	0.0000	FLOOD RISK	2.006	21	444.8	2.274	2.248	3.4979	
30 minute summer	21	14	9.800	1.428	444.8	0.0000	0.0000	FLOOD RISK	2.007	22	459.4	2.303	0.758	3.7404	
30 minute summer	22	14	9.800	1.800	593.4	29.7796	0.0000	FLOOD RISK	2.008	23	580.2	2.957	2.614	53.3017	
30 minute summer	23	11	7.750	1.000	580.2	0.0000	0.0000	FLOOD RISK	2.009	24	580.3	3.516	2.956	0.3714	
30 minute summer	24	15	9.754	0.264	580.3	0.0000	0.0000	OK	2.010	24_OUT	580.4	6.388	0.489	0.5441	
30 minute summer	24_OUT	21	9.021	1.457	580.4	0.0000	0.0000	OK	Flow through pond	49	839.1	0.101	0.000	1480.0300	
30 minute summer	25	19	9.171	0.375	19.8	0.2402	0.0000	UNCHARGED	3.000	26	18.3	1.638	1.019	0.6227	
30 minute summer	26	22	8.792	0.357	37.9	6.1792	0.0000	UNCHARGED	3.001	27	18.5	0.961	1.038	0.7028	
								Infiltration			3.7				
30 minute summer	27	23	8.420	0.305	35.4	5.6736	0.0000	UNCHARGED	3.002	28	20.5	1.188	1.015	0.5744	
								Infiltration			3.9				
30 minute summer	28	22	8.046	0.351	37.4	4.7719	0.0000	UNCHARGED	3.003	29	22.8	1.342	0.968	0.8315	
								Infiltration			3.0				
30 minute summer	29	20	7.389	0.324	41.4	3.0356	0.0000	UNCHARGED	3.004	30	33.6	1.911	1.210	0.1195	
								Infiltration			2.2				
30 minute summer	30	39	7.200	0.370	36.5	0.5450	0.0000	OK	3.005	31	32.1	0.318	0.013	8.1890	
30 minute summer	31	39	7.200	0.598	35.2	0.6697	0.0000	OK	3.006	32	26.2	0.225	0.015	7.8208	
								Infiltration			2.6				

30 minute summer	32	39	7.201	0.556	29.5	0.0687	0.0000OK	3.007	33	22.4	0.180	0.015	5.8274
								Infiltration		2.0			
								Infiltration		2.1			
30 minute summer	33	39	7.201	0.428	25.1	0.0511	0.0000OK	3.008	34	22.1	0.342	0.016	5.4870
30 minute summer	34	39	7.201	0.456	24.8	0.0547	0.0000OK	3.009	35	15.7	0.328	0.008	4.5044
								Infiltration		1.8			
30 minute summer	35	39	7.201	0.526	17.7	0.0932	0.0000OK	3.010	36	9.5	0.094	0.003	0.7941
								Infiltration		1.4			
30 minute summer	36	39	7.201	0.698	12.3	0.0793	0.0000OK	3.011	37	0.0	0.009	0.000	0.0000
								Infiltration		2.2			
30 minute summer	37	28	6.705	0.290	8.4	0.0240	0.0000OK	3.012	38	-5.1	0.076	-0.002	6.0853
30 minute summer	38	27	6.707	0.442	20.7	0.0530	0.0000OK	3.013	39	-17.0	-0.134	-0.011	4.2580
								Infiltration		1.8			
								Infiltration		2.4			
30 minute summer	39	28	6.707	0.252	19.7	0.0303	0.0000OK	3.014	40	-15.0	-0.405	-0.011	1.3848
								Infiltration		0.9			
30 minute summer	40	19	6.747	0.052	16.3	0.0093	0.0000OK	3.015	41	-12.6	-0.450	-0.008	0.3672
								Infiltration		0.0			
30 minute summer	41	18	6.915	0.050	12.9	0.0080	0.0000OK	3.016	42	-9.2	-0.387	-0.006	0.3075
								Infiltration		0.0			
30 minute summer	42	18	7.123	0.038	9.4	0.0045	0.0000OK	3.017	43	-5.7	-0.257	-0.004	0.2950
								Infiltration		0.1			
30 minute summer	43	18	7.190	0.045	8.0	0.0054	0.0000OK	3.018	44	-2.3	-0.127	-0.002	0.2265
								Infiltration		0.1			
30 minute summer	44	18	7.247	0.022	3.7	0.0028	0.0000OK	3.019	45	1.4	0.091	0.001	0.1881
30 minute summer	45	18	7.232	0.037	5.1	0.0044	0.0000OK	3.020	46	4.9	0.237	0.002	0.2720
								Infiltration		0.1			
30 minute summer	46	18	7.185	0.040	8.6	0.0048	0.0000OK	3.021	47	8.4	0.348	0.003	0.3404
								Infiltration		0.1			
30 minute summer	47	33	7.021	0.056	12.1	0.0057	0.0000OK	3.022	48	11.8	0.285	0.004	1.3889
								Infiltration		0.0			
30 minute summer	48	33	7.021	0.226	15.5	0.0271	0.0000OK	3.023	53	12.7	0.285	0.016	2.3198
								Infiltration		0.2			
30 minute summer	49	63	7.689	-0.311	981.5	0.0000	0.0000OK	Orifice	50	0.0			
								Infiltration		0.0			
30 minute summer	50	1	7.450	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
30 minute summer	51	1	7.300	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
30 minute summer	52	1	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
30 minute summer	53	33	7.021	0.236	16.4	0.0253	0.0000OK	3.024	54	11.4	0.227	0.004	3.7076
								Infiltration		0.3			
30 minute summer	54	34	7.021	0.398	14.7	0.0475	0.0000OK	3.025	54_OUT	5.8	0.087	0.002	6.5745
								Infiltration		0.3			
30 minute summer	54_OUT	34	7.021	0.516	9.2	0.0620	0.0000OK	Infiltration		0.4			

30 minute summer	55	21	8.974	0.528	16.4	0.1794	0.0000 SURCHARGED	5.000	56	8.9	0.504	1.193	0.2949
30 minute summer	56	21	8.957	0.541	19.3	2.7356	0.0000 SURCHARGED	5.001	57	11.3	0.843	0.903	0.3769
								Infiltration		0.4			
30 minute summer	57	22	8.881	0.571	21.2	3.3589	0.0000 SURCHARGED	5.002	58	13.7	0.777	1.798	0.5482
								Infiltration		0.5			
30 minute summer	58	23	8.890	0.445	22.4	3.8235	0.0000 SURCHARGED	5.003	59	15.4	0.873	2.071	0.3908
								Infiltration		0.5			
30 minute summer	59	36	8.594	0.389	23.9	2.4693	0.0000 OK	5.004	60	13.0	0.152	0.018	12.4210
								Infiltration		0.4			
30 minute summer	60	37	8.594	0.409	22.5	0.1391	0.0000 OK	5.005	61	4.1	0.681	0.004	18.4215
								Infiltration		0.6			
30 minute summer	61	37	8.594	0.458	12.6	0.1558	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.9			
30 minute summer	62	19	8.194	0.058	10.4	0.0198	0.0000 OK	5.007	63	9.7	0.128	0.005	10.1022
30 minute summer	63	33	8.176	0.342	22.2	0.1184	0.0000 OK	5.008	63_OUT	-3.0	0.649	-0.002	8.2218
								Infiltration		0.8			
30 minute summer	63_OUT	33	8.179	0.414	16.4	0.1400	0.0000 OK			0.4			
30 minute summer	64	34	6.513	0.328	4.9	0.0526	0.0000 OK	6.000	65	1.4	0.091	0.001	3.2141
30 minute summer	65	33	6.513	0.388	6.5	0.0821	0.0000 OK	6.001	66	-1.2	0.078	-0.001	4.3982
								Infiltration		0.2			
30 minute summer	66	34	6.513	0.420	7.3	0.0884	0.0000 OK	6.002	67	-2.4	0.630	-0.002	2.5258
								Infiltration		0.2			
30 minute summer	67	34	6.513	0.437	4.9	0.0976	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
30 minute summer	68	36	6.150	0.062	4.3	0.0127	0.0000 OK	6.004	69	4.8	0.074	0.002	5.6549
30 minute summer	69	33	6.150	0.380	9.7	0.0832	0.0000 OK	6.005	70	0.0	0.600	0.000	0.0000
								Infiltration		0.4			
30 minute summer	70	33	5.988	0.231	4.9	0.0370	0.0000 OK	6.006	71	3.0	0.111	0.001	1.8842
30 minute summer	71	33	5.988	0.301	7.9	0.0452	0.0000 OK	6.007	72	1.2	0.024	0.001	5.9229
								Infiltration		0.1			
30 minute summer	72	33	5.986	0.301	6.1	0.0481	0.0000 OK	6.008	73	0.0	0.600	0.000	0.0000
								Infiltration		0.4			
30 minute summer	73	34	6.170	0.485	4.9	0.0744	0.0000 OK	6.009	74	1.9	0.943	0.001	2.8859
30 minute summer	74	34	6.170	0.485	6.8	0.0744	0.0000 OK	6.010	75	1.5	0.100	0.001	3.0462
								Infiltration		0.1			
30 minute summer	75	34	6.170	0.465	6.8	0.0744	0.0000 OK	6.011	76	1.7	0.078	0.001	3.2423
								Infiltration		0.1			
30 minute summer	76	34	6.170	0.535	8.7	0.0813	0.0000 OK	6.012	76_OUT	-1.6	-0.014	-0.001	3.3559
								Infiltration		0.1			
30 minute summer	76_OUT	34	6.170	0.535	4.9	0.0856	0.0000 OK			0.1			

Results for 1000 year 30 minute winter, 270 minute analysis at 1 minute timestep. Mass balance: 98.27%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	1	15	9.890	0.500	17.2	0.0000	0.0000	FLOOD RISK	1.000	2	-17.2	-0.548	-0.783	0.4853	
30 minute winter	2	15	9.800	0.550	34.3	0.0000	0.0000	FLOOD RISK	1.001	3	-34.3	-1.090	-1.725	1.1264	
30 minute winter	3	14	9.800	0.550	51.4	0.0000	0.0000	FLOOD RISK	1.002	4	-51.4	-1.543	-2.431	0.4860	
30 minute winter	4	14	9.600	0.700	68.4	0.0000	0.0000	FLOOD RISK	1.003	5	-68.4	-2.186	-2.971	0.8441	
30 minute winter	5	13	9.600	0.800	86.5	0.0000	0.0000	FLOOD RISK	1.004	6	-86.5	-2.785	-2.314	0.1821	
30 minute winter	6	13	9.600	0.800	267.1	71.1230	0.0000	FLOOD RISK	1.005	7	120.5	2.464	2.488	0.7798	
30 minute winter	7	13	9.600	1.050	157.6	35.2438	0.0000	FLOOD RISK	1.006	8	187.5	2.151	2.388	2.4823	
30 minute winter	8	14	9.800	1.250	267.6	68.8293	0.0000	FLOOD RISK	1.007	9	281.6	2.090	2.418	5.8230	
30 minute winter	9	14	9.600	1.450	520.8	80.9158	0.0000	FLOOD RISK	1.008	10	444.8	2.273	1.875	3.1360	
30 minute winter	10	15	9.600	1.500	487.2	14.5318	0.0000	FLOOD RISK	1.009	11	454.9	2.479	3.282	47.8813	
30 minute winter	11	15	9.600	1.800	484.9	0.0000	0.0000	FLOOD RISK	1.010	12	484.8	2.479	1.883	53.3278	
30 minute winter	12	13	7.750	1.000	484.8	0.0000	0.0000	FLOOD RISK	1.011	13	549.0	3.438	2.793	0.3388	
30 minute winter	13	23	8.713	0.213	549.0	0.0000	0.0000	OK	1.012	13_OUT	484.8	7.151	0.392	0.4769	
30 minute winter	13_OUT	23	8.647	1.113	484.9	0.0000	0.0000	OK	Flow through pond	49	1006.2	0.094	0.000	1705.2510	
30 minute winter	14	13	9.600	0.500	22.2	0.0000	0.0000	FLOOD RISK	2.000	15	-22.2	-0.710	-0.737	0.6136	
30 minute winter	15	13	9.600	0.714	162.5	62.0033	0.0000	FLOOD RISK	2.001	16	167.0	2.188	2.207	0.9254	
30 minute winter	16	13	9.800	0.808	167.0	0.0000	0.0000	FLOOD RISK	2.002	17	115.4	2.359	2.341	0.6320	
30 minute winter	17	13	9.800	0.941	132.5	23.6627	0.0000	FLOOD RISK	2.003	18	158.9	2.041	2.633	1.8750	
30 minute winter	18	13	9.800	1.119	349.5	47.6819	0.0000	FLOOD RISK	2.004	19	281.6	2.090	2.978	5.4890	
30 minute winter	19	13	9.600	1.344	497.9	85.1378	0.0000	FLOOD RISK	2.005	20	454.3	2.323	2.304	4.0828	
30 minute winter	20	13	9.600	1.389	454.3	0.0000	0.0000	FLOOD RISK	2.006	21	458.1	2.342	2.315	3.4979	
30 minute winter	21	13	9.600	1.428	458.1	0.0000	0.0000	FLOOD RISK	2.007	22	482.6	2.365	0.778	3.7404	
30 minute winter	22	13	9.600	1.800	604.3	31.0661	0.0000	FLOOD RISK	2.008	23	594.8	3.041	2.685	53.3617	
30 minute winter	23	10	7.750	1.000	594.8	0.0000	0.0000	FLOOD RISK	2.009	24	594.9	3.589	3.930	0.3561	
30 minute winter	24	22	9.740	0.240	594.9	0.0000	0.0000	OK	2.010	24_OUT	595.0	7.070	0.481	0.5542	
30 minute winter	24_OUT	22	9.054	1.551	595.0	0.0000	0.0000	OK	Flow through pond	49	1006.2	0.094	0.000	1705.2510	
30 minute winter	25	18	9.113	0.317	17.7	0.2028	0.0000	SURCHARGED	3.000	26	16.7	0.949	0.931	0.6227	
30 minute winter	26	23	8.604	0.399	34.4	8.5714	0.0000	SURCHARGED	3.001	27	16.6	0.978	1.041	0.7028	
								Infiltration			3.7				
30 minute winter	27	24	8.440	0.325	33.5	6.4156	0.0000	SURCHARGED	3.002	28	20.3	1.197	1.066	0.5744	
								Infiltration			4.1				
30 minute winter	28	23	8.055	0.370	35.4	5.2875	0.0000	SURCHARGED	3.003	29	23.2	1.355	0.984	0.6315	
								Infiltration			3.1				
30 minute winter	29	22	7.397	0.332	39.7	3.1873	0.0000	SURCHARGED	3.004	30	33.2	1.668	1.194	0.1195	
								Infiltration			2.3				
30 minute winter	30	41	7.228	0.403	38.3	0.0483	0.0000	OK	3.005	31	31.8	0.335	0.913	8.9387	
30 minute winter	31	41	7.228	0.533	34.9	0.0640	0.0000	OK	3.006	32	26.4	0.230	0.915	8.2287	
								Infiltration			2.7				

30 minute winter	32	41	7.228	0.583	28.8	0.0700	0.0000OK	3.007	33	23.5	0.184	0.018	7.4052
								Infiltration		2.1			
								Infiltration		2.2			
30 minute winter	33	41	7.228	0.453	25.9	0.0544	0.0000OK	3.008	34	22.9	0.357	0.015	5.9960
30 minute winter	34	41	7.228	0.483	25.3	0.0579	0.0000OK	3.009	35	17.5	0.388	0.007	5.2138
								Infiltration		1.9			
30 minute winter	35	41	7.229	0.554	19.7	0.0665	0.0000OK	3.010	36	12.3	0.091	0.004	9.4598
								Infiltration		1.5			
30 minute winter	36	41	7.228	0.723	14.3	0.0824	0.0000OK	3.011	37	1.0	0.448	0.073	0.0052
								Infiltration		2.3			
30 minute winter	37	29	6.734	0.229	7.7	0.0275	0.0000OK	3.012	38	-4.4	0.081	-0.001	6.7777
30 minute winter	38	30	6.733	0.468	15.4	0.0561	0.0000OK	3.013	39	-13.3	-0.143	-0.009	4.7050
								Infiltration		1.7			
								Infiltration		2.5			
30 minute winter	39	28	6.733	0.278	17.9	0.0334	0.0000OK	3.014	40	-14.8	-0.403	-0.019	1.6298
								Infiltration		1.0			
30 minute winter	40	19	6.745	0.850	14.8	0.0659	0.0000OK	3.015	41	-11.5	-0.435	-0.008	0.3453
								Infiltration		0.8			
30 minute winter	41	18	6.912	0.047	11.6	0.0856	0.0000OK	3.016	42	-8.3	-0.373	-0.006	0.2884
								Infiltration		0.6			
30 minute winter	42	18	7.121	0.038	8.5	0.0043	0.0000OK	3.017	43	-5.2	-0.247	-0.003	0.2763
								Infiltration		0.1			
30 minute winter	43	18	7.187	0.042	5.3	0.0050	0.0000OK	3.018	44	-2.0	-0.121	-0.001	0.2107
								Infiltration		0.1			
30 minute winter	44	18	7.248	0.021	3.3	0.0025	0.0000OK	3.019	45	1.3	0.087	0.001	0.1757
30 minute winter	45	18	7.230	0.035	4.8	0.0041	0.0000OK	3.020	46	4.4	0.228	0.002	0.2544
								Infiltration		0.1			
30 minute winter	46	18	7.183	0.038	7.7	0.0048	0.0000OK	3.021	47	7.6	0.333	0.002	0.3747
								Infiltration		0.1			
30 minute winter	47	32	7.047	0.082	10.9	0.0098	0.0000OK	3.022	48	10.7	0.251	0.003	1.6758
								Infiltration		0.1			
30 minute winter	48	32	7.046	0.251	14.0	0.0301	0.0000OK	3.023	50	11.0	0.270	0.014	2.6823
								Infiltration		0.2			
30 minute winter	49	84	7.714	-0.286	1084.2	0.0000	0.0000OK	Orifice	50	0.0			
								Infiltration		0.0			
30 minute winter	50	1	7.450	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
30 minute winter	51	1	7.390	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
30 minute winter	52	1	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
30 minute winter	53	33	7.047	0.292	14.2	0.0314	0.0000OK	3.024	54	11.0	0.245	0.004	4.1130
								Infiltration		0.3			
30 minute winter	54	33	7.045	0.420	14.3	0.0504	0.0000OK	3.025	54_OUT	5.4	0.073	0.002	7.1201
								Infiltration		0.3			
30 minute winter	54_OUT	33	7.048	0.543	8.2	0.0651	0.0000OK	Infiltration		0.5			

30 minute winter	55	22	9.019	0.573	9.4	0.1950	0.0000SURCHARGED	5.000	56	8.2	0.403	1.103	0.2948
30 minute winter	56	22	9.002	0.586	17.6	2.9765	0.0000SURCHARGED	5.001	57	11.0	0.627	0.881	0.3708
										0.4			
30 minute winter	57	23	8.930	0.620	20.0	3.6837	0.0000SURCHARGED	5.002	58	13.7	0.781	1.715	0.5462
										0.5			
30 minute winter	58	25	8.738	0.490	21.8	4.2936	0.0000SURCHARGED	5.003	59	15.7	0.894	2.121	0.6908
										0.7			
30 minute winter	59	37	8.630	0.425	23.4	2.7221	0.0000OK	5.004	60	13.2	0.175	0.919	14.0398
										0.4			
30 minute winter	60	37	8.630	0.445	21.7	0.1513	0.0000OK	5.005	61	4.1	0.088	0.004	20.7205
										0.7			
30 minute winter	61	37	8.830	0.494	12.1	0.1680	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
										0.9			
30 minute winter	62	32	8.205	0.068	9.4	0.0234	0.0000OK	5.007	63	9.0	0.136	0.004	11.5873
30 minute winter	63	34	8.250	0.367	20.5	0.1247	0.0000OK	5.008	63_OUT	-2.8	0.052	-0.002	8.9957
										0.8			
30 minute winter	63_OUT	34	8.203	0.438	9.4	0.1490	0.0000OK	5.009		0.5			
30 minute winter	64	33	8.548	0.393	4.4	0.0580	0.0000OK	8.000	65	2.0	0.098	0.001	3.6653
30 minute winter	65	34	8.547	0.422	6.6	0.0876	0.0000OK	8.001	66	-1.8	0.077	-0.001	4.8567
										0.2			
30 minute winter	66	34	8.547	0.454	8.5	0.0718	0.0000OK	8.002	67	-2.3	0.038	-0.001	2.8297
										0.2			
30 minute winter	67	34	8.547	0.471	4.4	0.0731	0.0000OK	8.003	68	0.0	0.000	0.000	0.0000
										0.1			
30 minute winter	68	30	8.162	0.108	8.0	0.0184	0.0000OK	8.004	69	4.4	0.078	0.001	5.3203
30 minute winter	69	32	8.150	0.418	8.8	0.0889	0.0000OK	8.005	70	0.0	0.000	0.000	0.0000
										0.4			
30 minute winter	70	33	8.012	0.257	4.4	0.0411	0.0000OK	8.006	71	2.8	0.109	0.001	2.1388
30 minute winter	71	33	8.012	0.327	7.2	0.0524	0.0000OK	8.007	72	1.2	0.026	0.001	8.6891
										0.1			
30 minute winter	72	33	8.010	0.328	5.8	0.0525	0.0000OK	8.008	73	0.0	0.000	0.000	0.0007
										0.4			
30 minute winter	73	33	8.212	0.507	4.4	0.0811	0.0000OK	8.009	74	2.0	0.048	0.001	3.6633
30 minute winter	74	34	8.212	0.507	6.4	0.0811	0.0000OK	8.010	75	1.8	0.108	0.001	3.4588
										0.1			
30 minute winter	75	34	8.212	0.507	8.1	0.0811	0.0000OK	8.011	76	2.0	0.082	0.001	3.8804
										0.1			
30 minute winter	76	34	8.211	0.576	5.8	0.0878	0.0000OK	8.012	76_OUT	-1.8	-0.012	-0.001	3.7524
										0.1			
30 minute winter	76_OUT	33	8.211	0.578	4.4	0.0922	0.0000OK	8.013		0.1			

Results for 1000 year 60 minute summer, 360 minute analysis at 1 minute timestep. Mass balance: 97.88%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	1	26	9.800	0.530	27.8	0.0000	0.0000	FLOOD RISK	1.000	2	-27.8	-0.881	-1.253	0.4653	
60 minute summer	2	26	9.800	0.550	32.9	0.0000	0.0000	FLOOD RISK	1.001	3	-32.9	-1.024	-1.612	1.1254	
60 minute summer	3	27	9.800	0.650	40.4	0.0000	0.0000	FLOOD RISK	1.002	4	-40.4	-1.293	-1.969	0.4956	
60 minute summer	4	27	9.800	0.760	54.0	0.0000	0.0000	FLOOD RISK	1.003	5	-54.0	-1.723	-2.345	0.5441	
60 minute summer	5	26	9.800	0.860	67.7	0.0000	0.0000	FLOOD RISK	1.004	6	-67.7	-2.164	-1.811	0.1621	
60 minute summer	6	26	9.800	0.960	167.7	68.9258	0.0000	FLOOD RISK	1.005	7	117.6	2.404	2.428	0.7798	
60 minute summer	7	26	9.800	1.050	138.2	33.9183	0.0000	FLOOD RISK	1.006	8	164.0	2.107	2.338	2.4923	
60 minute summer	8	26	9.800	1.250	248.6	56.4349	0.0000	FLOOD RISK	1.007	9	256.5	2.048	2.371	5.9230	
60 minute summer	9	26	9.800	1.450	492.2	77.5089	0.0000	FLOOD RISK	1.008	10	433.9	2.219	1.830	3.1380	
60 minute summer	10	26	9.800	1.500	474.3	13.9242	0.0000	FLOOD RISK	1.009	11	472.7	2.417	3.199	47.5813	
60 minute summer	11	26	9.800	1.600	472.7	0.0000	0.0000	FLOOD RISK	1.010	12	472.5	2.416	1.841	53.3278	
60 minute summer	12	19	7.750	1.000	472.5	0.0000	0.0000	FLOOD RISK	1.011	13	583.6	3.458	2.972	0.3822	
60 minute summer	13	32	9.782	0.282	583.6	0.0000	0.0000	OK	1.012	13_OUT	472.4	6.874	0.362	0.5655	
60 minute summer	13_OUT	37	8.602	1.089	472.4	0.0000	0.0000	OK	Flow through pond	49	1552.7	0.146	0.000	2039.7012	
60 minute summer	14	24	9.800	0.500	18.0	0.0000	0.0000	FLOOD RISK	2.000	15	-18.0	-0.707	-0.597	0.5136	
60 minute summer	15	24	9.800	0.714	134.3	54.7495	0.0000	FLOOD RISK	2.001	16	98.4	2.612	2.029	0.9254	
60 minute summer	16	24	9.800	0.809	98.4	0.0000	0.0000	FLOOD RISK	2.002	17	105.6	2.163	2.148	0.8320	
60 minute summer	17	24	9.800	0.941	124.6	20.9250	0.0000	FLOOD RISK	2.003	18	146.3	1.878	1.671	1.8750	
60 minute summer	18	24	9.800	1.119	232.9	42.1506	0.0000	FLOOD RISK	2.004	19	243.3	1.943	1.932	5.4890	
60 minute summer	19	24	9.800	1.344	456.0	58.9459	0.0000	FLOOD RISK	2.005	20	425.0	2.173	2.155	4.5828	
60 minute summer	20	24	9.800	1.359	425.0	0.0000	0.0000	FLOOD RISK	2.006	21	426.8	2.182	2.157	3.4979	
60 minute summer	21	24	9.800	1.428	426.8	0.0000	0.0000	FLOOD RISK	2.007	22	438.3	2.200	0.722	3.7404	
60 minute summer	22	24	9.800	1.800	560.7	27.8927	0.0000	FLOOD RISK	2.008	23	554.4	2.834	1.925	53.3017	
60 minute summer	23	15	7.750	1.000	554.4	0.0000	0.0000	FLOOD RISK	2.009	24	554.4	3.494	2.820	0.3653	
60 minute summer	24	29	9.754	0.254	554.4	0.0000	0.0000	OK	2.010	24_OUT	554.3	6.582	0.448	0.5280	
60 minute summer	24_OUT	35	8.916	1.377	554.3	0.0000	0.0000	OK	Flow through pond	49	1552.7	0.146	0.000	2039.7012	
60 minute summer	25	34	8.814	0.116	15.2	0.6755	0.0000	OK	3.000	26	14.9	0.690	0.833	0.5740	
60 minute summer	26	37	8.748	0.313	39.1	4.7420	0.0000	UNCHARGED	3.001	27	15.8	0.960	0.998	0.7026	
								Infiltration			3.2				
60 minute summer	27	39	8.406	0.291	30.6	5.1482	0.0000	UNCHARGED	3.002	28	20.3	1.199	1.064	0.5744	
								Infiltration			3.7				
60 minute summer	28	39	8.030	0.335	32.8	4.3426	0.0000	UNCHARGED	3.003	29	23.0	1.351	0.974	0.8315	
								Infiltration			2.6				
60 minute summer	29	38	7.383	0.318	37.1	2.9247	0.0000	UNCHARGED	3.004	30	31.1	1.798	1.120	0.1195	
								Infiltration			2.2				
60 minute summer	30	57	7.250	0.425	33.9	0.6510	0.0000	OK	3.005	31	29.9	0.287	0.012	9.5851	
60 minute summer	31	57	7.250	0.558	32.7	0.6686	0.0000	OK	3.006	32	22.6	0.202	0.013	8.7277	
								Infiltration			2.6				

60 minute summer	32	57	7.250	0.895	25.4	0.0726	0.0000OK	3.007	33	15.0	0.113	0.010	7.8798
								Infiltration		2.2			
								Infiltration		2.3			
60 minute summer	33	57	7.250	0.475	17.8	0.0570	0.0000OK	3.008	34	11.4	0.281	0.008	6.4212
60 minute summer	34	57	7.250	0.595	14.2	0.0606	0.0000OK	3.009	35	8.3	0.283	0.003	5.5433
								Infiltration		1.9			
60 minute summer	35	57	7.250	0.575	11.6	0.0580	0.0000OK	3.010	36	5.6	0.058	0.002	9.9082
								Infiltration		1.5			
60 minute summer	36	57	7.250	0.745	6.5	0.0850	0.0000OK	3.011	37	3.3	0.632	0.240	0.5122
								Infiltration		2.3			
60 minute summer	37	44	6.728	0.223	5.2	0.0208	0.0000OK	3.012	38	3.9	0.663	0.001	6.8452
60 minute summer	38	45	6.728	0.483	14.1	0.0555	0.0000OK	3.013	39	-11.4	-0.111	-0.008	4.8182
								Infiltration		1.7			
								Infiltration		2.5			
60 minute summer	39	44	6.728	0.273	15.2	0.0327	0.0000OK	3.014	40	-12.5	-0.321	-0.008	1.5883
								Infiltration		1.0			
60 minute summer	40	34	6.740	0.045	12.6	0.0054	0.0000OK	3.015	41	-9.8	-0.410	-0.007	0.3119
								Infiltration		0.0			
60 minute summer	41	34	6.908	0.043	9.9	0.0051	0.0000OK	3.016	42	-7.1	-0.352	-0.005	0.2691
								Infiltration		0.0			
60 minute summer	42	34	7.117	0.032	7.2	0.0039	0.0000OK	3.017	43	-4.4	-0.233	-0.003	0.2492
								Infiltration		0.1			
60 minute summer	43	33	7.183	0.038	4.5	0.0046	0.0000OK	3.018	44	-1.7	-0.114	-0.001	0.1928
								Infiltration		0.1			
60 minute summer	44	33	7.244	0.019	2.8	0.0022	0.0000OK	3.019	45	1.1	0.082	0.001	0.1584
60 minute summer	45	33	7.226	0.031	3.9	0.0038	0.0000OK	3.020	46	3.8	0.215	0.002	0.2292
								Infiltration		0.1			
60 minute summer	46	33	7.159	0.034	6.6	0.0041	0.0000OK	3.021	47	8.4	0.314	0.002	0.4548
								Infiltration		0.1			
60 minute summer	47	62	7.666	0.101	9.2	0.0121	0.0000OK	3.022	48	9.1	0.213	0.003	1.9122
								Infiltration		0.1			
60 minute summer	48	63	7.055	0.270	11.9	0.0324	0.0000OK	3.023	53	7.6	0.206	0.010	2.9352
								Infiltration		0.2			
60 minute summer	49	75	7.758	-0.244	1605.9	0.0000	0.0000OK	Orifice	50	0.0			
								Infiltration		0.0			
60 minute summer	50	1	7.450	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
60 minute summer	51	1	7.300	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
60 minute summer	52	1	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
60 minute summer	53	62	7.665	0.280	10.3	0.0337	0.0000OK	3.024	54	6.5	0.188	0.002	4.4430
								Infiltration		0.3			
60 minute summer	54	61	7.655	0.440	8.8	0.0529	0.0000OK	3.025	54_OUT	3.0	0.053	0.001	7.5480
								Infiltration		0.4			
60 minute summer	54_OUT	61	7.688	0.581	4.8	0.0673	0.0000OK	Infiltration		0.5			

60 minute summer	55	37	8.931	0.485	8.1	0.1648	0.0000 SURCHARGED	5.000	56	7.1	0.433	0.954	0.2949
60 minute summer	56	38	8.918	0.502	15.2	2.5300	0.0000 SURCHARGED	5.001	57	9.7	0.550	0.772	0.3709
										Infiltration	0.4		
60 minute summer	57	38	8.850	0.553	17.4	3.2394	0.0000 SURCHARGED	5.002	58	12.2	0.692	1.518	0.5482
										Infiltration	0.5		
60 minute summer	58	40	8.717	0.472	19.2	4.8888	0.0000 SURCHARGED	5.003	59	14.0	0.797	1.891	0.5908
										Infiltration	0.7		
60 minute summer	59	60	8.682	0.457	20.7	2.9433	0.0000 OK	5.004	60	11.8	0.123	0.017	15.6201
										Infiltration	0.5		
60 minute summer	60	63	8.652	0.477	19.2	0.1620	0.0000 OK	5.005	61	3.7	0.674	0.004	22.5252
										Infiltration	0.7		
60 minute summer	61	63	8.682	0.528	16.6	0.1787	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000
										Infiltration	1.0		
60 minute summer	62	61	8.225	0.088	8.1	0.0391	0.0000 OK	5.007	63	7.7	0.101	0.004	12.8850
60 minute summer	63	63	8.223	0.367	17.7	0.1317	0.0000 OK	5.008	63_OUT	2.3	0.641	-0.001	9.6728
										Infiltration	0.9		
60 minute summer	63_OUT	63	8.224	0.459	8.1	0.1550	0.0000 OK			Infiltration	0.5		
60 minute summer	64	63	8.582	0.397	3.8	0.0834	0.0000 OK	6.000	65	1.3	0.078	0.001	4.1332
60 minute summer	65	63	6.581	0.458	5.7	0.0730	0.0000 OK	6.001	66	-0.9	0.070	-0.001	5.5327
										Infiltration	0.2		
60 minute summer	66	62	6.581	0.488	5.6	0.0772	0.0000 OK	6.002	67	-1.7	0.038	-0.001	3.1455
										Infiltration	0.2		
60 minute summer	67	62	6.582	0.509	3.8	0.0754	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000
										Infiltration	0.1		
60 minute summer	68	64	6.202	0.120	5.3	0.0195	0.0000 OK	6.004	69	3.8	0.085	0.001	6.9384
60 minute summer	69	61	6.204	0.439	7.8	0.0702	0.0000 OK	6.005	70	0.0	0.600	0.000	0.0000
										Infiltration	0.4		
60 minute summer	70	62	6.038	0.281	3.8	0.0449	0.0000 OK	6.006	71	2.2	0.090	0.001	2.3783
60 minute summer	71	62	6.038	0.351	6.0	0.0551	0.0000 OK	6.007	72	0.7	0.020	0.000	7.3370
										Infiltration	0.1		
60 minute summer	72	62	6.036	0.351	4.4	0.0581	0.0000 OK	6.008	73	0.0	0.600	0.000	0.0000
										Infiltration	0.4		
60 minute summer	73	63	6.258	0.551	3.8	0.0892	0.0000 OK	6.009	74	1.6	0.932	0.001	3.4648
60 minute summer	74	63	6.258	0.551	5.4	0.0882	0.0000 OK	6.010	75	0.9	0.982	0.001	3.9233
										Infiltration	0.1		
60 minute summer	75	63	6.250	0.551	4.8	0.0882	0.0000 OK	6.011	76	1.1	0.085	0.000	4.1283
										Infiltration	0.2		
60 minute summer	76	63	6.258	0.821	5.0	0.0944	0.0000 OK	6.012	76_OUT	-1.2	-0.910	-0.001	4.2209
										Infiltration	0.2		
60 minute summer	76_OUT	63	6.250	0.821	3.8	0.0993	0.0000 OK			Infiltration	0.2		

Results for 1000 year 60 minute winter, 360 minute analysis at 1 minute timestep, Mass balance: 97.29%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	1	25	9.890	0.500	14.0	0.0000	0.0000	FLOOD RISK	1.000	2	-14.0	-0.447	-0.839	0.4853	
60 minute winter	2	25	9.800	0.550	29.1	0.0000	0.0000	FLOOD RISK	1.001	3	-29.1	-0.990	-1.462	1.1264	
60 minute winter	3	25	9.800	0.550	37.5	0.0000	0.0000	FLOOD RISK	1.002	4	-37.5	-1.197	-1.771	0.4966	
60 minute winter	4	24	9.600	0.700	45.9	0.0000	0.0000	FLOOD RISK	1.003	5	-45.9	-1.486	-1.993	0.8441	
60 minute winter	5	24	9.600	0.800	54.4	0.0000	0.0000	FLOOD RISK	1.004	6	-54.4	-1.737	-1.454	0.1821	
60 minute winter	6	24	9.600	0.900	142.4	69.0736	0.0000	FLOOD RISK	1.005	7	115.3	2.358	2.389	0.7798	
60 minute winter	7	24	9.600	1.050	139.2	33.7564	0.0000	FLOOD RISK	1.006	8	181.7	2.077	2.303	2.4823	
60 minute winter	8	23	9.800	1.250	244.4	65.7396	0.0000	FLOOD RISK	1.007	9	255.8	2.043	2.364	5.8230	
60 minute winter	9	23	9.800	1.450	456.8	76.0870	0.0000	FLOOD RISK	1.008	10	431.3	2.295	1.819	3.1360	
60 minute winter	10	23	9.800	1.500	468.2	13.6885	0.0000	FLOOD RISK	1.009	11	467.5	2.390	3.194	47.8613	
60 minute winter	11	24	9.800	1.800	467.5	0.0000	0.0000	FLOOD RISK	1.010	12	467.4	2.390	1.823	53.3275	
60 minute winter	12	18	7.750	1.000	487.4	0.0000	0.0000	FLOOD RISK	1.011	13	811.1	3.878	3.112	0.3761	
60 minute winter	13	32	8.772	0.272	811.1	0.0000	0.0000	OK	1.012	13_OUT	487.4	7.512	0.378	0.5205	
60 minute winter	13_OUT	39	8.585	1.052	467.4	0.0000	0.0000	OK	Flow through pond	49	1894.9	0.181	0.000	2318.8311	
60 minute winter	14	22	9.600	0.500	27.8	0.0000	0.0000	FLOOD RISK	2.000	15	-27.8	-0.915	-0.923	0.8136	
60 minute winter	15	22	9.600	0.714	168.6	51.4092	0.0000	FLOOD RISK	2.001	16	92.2	1.885	1.902	0.9254	
60 minute winter	16	22	9.600	0.808	92.2	0.0000	0.0000	FLOOD RISK	2.002	17	98.1	2.007	1.992	0.6320	
60 minute winter	17	22	9.800	0.941	122.6	19.5944	0.0000	FLOOD RISK	2.003	18	137.3	1.764	1.767	1.8750	
60 minute winter	18	22	9.800	1.119	224.4	39.2939	0.0000	FLOOD RISK	2.004	19	232.8	1.860	1.849	5.4890	
60 minute winter	19	21	9.600	1.344	420.2	54.7254	0.0000	FLOOD RISK	2.005	20	498.8	2.090	2.973	4.0828	
60 minute winter	20	21	9.600	1.389	408.8	0.0000	0.0000	FLOOD RISK	2.006	21	410.2	2.097	2.973	3.4979	
60 minute winter	21	21	9.600	1.428	410.2	0.0000	0.0000	FLOOD RISK	2.007	22	411.8	2.105	0.891	3.7404	
60 minute winter	22	22	9.600	1.800	531.3	28.0288	0.0000	FLOOD RISK	2.008	23	529.0	2.795	1.838	53.3617	
60 minute winter	23	14	7.750	1.000	529.0	0.0000	0.0000	FLOOD RISK	2.009	24	529.0	3.254	2.894	0.3875	
60 minute winter	24	28	9.758	0.258	529.0	0.0000	0.0000	OK	2.010	24_OUT	529.0	7.128	0.428	0.5242	
60 minute winter	24_OUT	36	8.811	1.278	529.0	0.0000	0.0000	OK	Flow through pond	49	1894.9	0.181	0.000	2318.8311	
60 minute winter	25	33	8.857	0.991	12.3	0.0582	0.0000	OK	3.000	26	12.3	0.769	0.888	0.5087	
60 minute winter	26	33	8.722	0.287	24.0	3.9692	0.0000	SURCHARGED	3.001	27	16.2	0.973	1.021	0.7028	
								Infiltration			2.8				
60 minute winter	27	42	8.405	0.290	27.3	5.1879	0.0000	SURCHARGED	3.002	28	20.6	1.293	0.993	0.5744	
								Infiltration			3.7				
60 minute winter	28	41	8.030	0.338	30.0	4.4249	0.0000	SURCHARGED	3.003	29	23.6	1.353	1.003	0.6315	
								Infiltration			2.8				
60 minute winter	29	44	7.412	0.347	34.3	3.4837	0.0000	SURCHARGED	3.004	30	29.5	1.674	1.069	0.1195	
								Infiltration			2.4				
60 minute winter	30	59	7.274	0.449	31.8	0.0539	0.0000	OK	3.005	31	28.2	0.293	0.912	10.2823	
60 minute winter	31	59	7.274	0.579	30.5	0.0895	0.0000	OK	3.006	32	21.2	0.197	0.912	9.2975	
								Infiltration			2.8				

60 minute winter	32	58	7.274	0.809	23.6	0.0755	0.0000OK	3.007	33	14.0	0.128	0.003	8.4193
								Infiltration		2.2			
								Infiltration		2.4			
60 minute winter	33	58	7.274	0.489	18.3	0.0599	0.0000OK	3.008	34	12.2	0.276	0.008	5.9017
60 minute winter	34	58	7.274	0.529	13.6	0.0635	0.0000OK	3.009	35	10.7	0.300	0.004	5.9278
								Infiltration		2.0			
60 minute winter	35	58	7.274	0.598	11.1	0.0719	0.0000OK	3.010	36	9.3	0.079	0.003	10.4528
								Infiltration		1.8			
60 minute winter	36	58	7.274	0.789	9.8	0.0877	0.0000OK	3.011	37	8.8	0.784	0.487	0.0204
								Infiltration		2.4			
60 minute winter	37	83	6.798	0.293	6.9	0.0351	0.0000OK	3.012	38	6.9	0.067	0.002	8.5898
60 minute winter	38	83	6.797	0.532	10.9	0.0639	0.0000OK	3.013	39	-8.8	-0.120	-0.008	5.9004
								Infiltration		1.9			
								Infiltration		2.8			
60 minute winter	39	64	6.797	0.342	12.7	0.0410	0.0000OK	3.014	40	-10.4	-0.318	-0.007	2.4025
								Infiltration		1.2			
60 minute winter	40	83	6.797	0.102	10.6	0.0123	0.0000OK	3.015	41	-8.2	-0.365	-0.005	0.4338
								Infiltration		0.1			
60 minute winter	41	34	8.903	0.038	8.2	0.0946	0.0000OK	3.016	42	-5.9	-0.329	-0.004	0.2315
								Infiltration		0.0			
60 minute winter	42	34	7.114	0.029	8.0	0.0035	0.0000OK	3.017	43	-3.7	-0.217	-0.002	0.2220
								Infiltration		0.1			
60 minute winter	43	34	7.179	0.034	3.7	0.0041	0.0000OK	3.018	44	-1.4	-0.198	-0.001	0.1717
								Infiltration		0.1			
60 minute winter	44	34	7.242	0.017	2.3	0.0020	0.0000OK	3.019	45	0.9	0.077	0.001	0.1406
60 minute winter	45	34	7.220	0.028	3.2	0.0034	0.0000OK	3.020	46	3.1	0.200	0.001	0.2038
								Infiltration		0.1			
60 minute winter	46	34	7.158	0.031	5.4	0.0037	0.0000OK	3.021	47	5.4	0.293	0.002	0.6231
								Infiltration		0.1			
60 minute winter	47	60	7.098	0.133	7.7	0.0159	0.0000OK	3.022	48	7.8	0.194	0.002	2.3178
								Infiltration		0.1			
60 minute winter	48	83	7.097	0.302	9.9	0.0363	0.0000OK	3.023	50	6.4	0.197	0.003	3.4084
								Infiltration		0.3			
60 minute winter	49	75	7.789	-0.211	1941.9	0.0000	0.0000OK	Orifice	50	0.0			
								Infiltration		0.0			
60 minute winter	50	1	7.450	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
60 minute winter	51	1	7.390	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
60 minute winter	52	1	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
60 minute winter	53	61	7.097	0.312	8.7	0.0375	0.0000OK	3.024	54	6.0	0.291	0.002	5.0530
								Infiltration		0.3			
60 minute winter	54	62	7.097	0.472	7.5	0.0587	0.0000OK	3.025	54_OUT	2.8	0.080	0.001	8.2717
								Infiltration		0.4			
60 minute winter	54_OUT	61	7.098	0.593	4.8	0.0711	0.0000OK	Infiltration		0.5			

60 minute winter	55	43	8.937	0.491	6.6	0.1671	0.0000SURCHARGED	5.000	56	5.8	0.414	0.783	0.2943
60 minute winter	56	43	8.927	0.511	12.3	2.5774	0.0000SURCHARGED	5.001	57	8.8	0.519	0.593	0.3709
										Infiltration		0.4	
60 minute winter	57	41	8.661	0.571	15.1	3.3537	0.0000SURCHARGED	5.002	58	11.5	0.853	1.435	0.5462
										Infiltration		0.5	
60 minute winter	58	44	8.754	0.508	17.3	4.4474	0.0000SURCHARGED	5.003	59	13.5	0.765	1.818	0.3903
										Infiltration		0.7	
60 minute winter	59	62	8.707	0.502	19.6	3.2590	0.0000OK	5.004	60	11.4	0.135	0.918	17.9323
										Infiltration		0.5	
60 minute winter	60	62	8.707	0.522	17.3	0.1774	0.0000OK	5.005	61	3.5	0.079	0.004	26.0016
										Infiltration		0.8	
60 minute winter	61	62	8.707	0.571	9.2	0.1841	0.0000OK	5.006	62	0.1	0.201	0.004	0.0005
										Infiltration		1.0	
60 minute winter	62	62	8.254	0.118	6.5	0.0460	0.0000OK	5.007	63	6.4	0.112	0.003	14.7712
60 minute winter	63	61	8.253	0.417	14.5	0.1417	0.0000OK	5.008	63_OUT	-2.5	0.045	-0.002	10.6662
										Infiltration		0.9	
60 minute winter	63_OUT	61	8.253	0.480	5.6	0.1659	0.0000OK			Infiltration		0.5	
60 minute winter	64	61	8.624	0.439	3.1	0.0763	0.0000OK	8.000	65	1.2	0.061	0.001	4.7570
60 minute winter	65	61	8.624	0.489	4.7	0.0799	0.0000OK	8.001	66	-1.0	0.070	-0.001	6.3917
										Infiltration		0.2	
60 minute winter	66	62	8.624	0.531	4.6	0.0840	0.0000OK	8.002	67	-1.6	0.029	-0.001	3.5842
										Infiltration		0.3	
60 minute winter	67	62	8.624	0.548	3.1	0.0650	0.0000OK	8.003	68	0.0	0.000	0.000	0.0000
										Infiltration		0.1	
60 minute winter	68	61	8.231	0.155	4.5	0.0240	0.0000OK	8.004	69	3.0	0.085	0.001	7.8499
60 minute winter	69	61	8.233	0.488	5.9	0.0750	0.0000OK	8.005	70	0.0	0.000	0.000	0.0000
										Infiltration		0.4	
60 minute winter	70	61	8.089	0.314	3.1	0.0503	0.0000OK	8.006	71	2.6	0.067	0.001	2.7395
60 minute winter	71	61	8.089	0.384	6.9	0.0815	0.0000OK	8.007	72	10.0	0.144	0.007	8.3638
										Infiltration		0.2	
60 minute winter	72	61	8.070	0.385	10.0	0.0815	0.0000OK	8.008	73	11.2	0.801	0.775	0.0312
										Infiltration		0.4	
60 minute winter	73	155	8.386	0.891	11.2	0.1957	0.0000OK	8.009	74	11.3	0.637	0.008	4.5901
60 minute winter	74	155	8.386	0.891	11.3	0.1958	0.0000OK	8.010	75	11.8	0.092	0.008	5.2604
										Infiltration		0.2	
60 minute winter	75	155	8.356	0.961	11.9	0.1956	0.0000OK	8.011	76	-11.1	0.088	-0.004	5.4005
										Infiltration		0.2	
60 minute winter	76	155	8.367	0.732	9.8	0.1112	0.0000OK	8.012	76_OUT	-5.7	0.011	-0.004	5.4570
										Infiltration		0.2	
60 minute winter	76_OUT	155	8.367	0.732	4.4	0.1171	0.0000OK			Infiltration		0.2	

Results for 1000 year 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 87.24%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	1	48	9.890	0.500	8.2	0.0009	0.0000	FLOOD RISK	1.000	2	-6.2	-0.198	-0.282	0.4853	
120 minute summer	2	48	9.800	0.550	18.3	0.0500	0.0000	FLOOD RISK	1.001	3	-18.3	-0.705	-0.921	1.1264	
120 minute summer	3	48	9.800	0.850	23.0	0.0900	0.0000	FLOOD RISK	1.002	4	-23.0	-0.734	-1.086	0.4980	
120 minute summer	4	48	9.800	0.700	25.8	0.0008	0.0000	FLOOD RISK	1.003	5	-25.8	-0.825	-1.121	0.8441	
120 minute summer	5	48	9.890	0.800	31.3	0.0000	0.0000	FLOOD RISK	1.004	6	-31.3	-1.001	-0.838	0.1521	
120 minute summer	6	48	9.800	0.900	112.7	53.1994	0.0000	FLOOD RISK	1.005	7	94.2	1.927	1.945	0.7798	
120 minute summer	7	48	9.800	1.050	121.7	25.0852	0.0000	FLOOD RISK	1.006	8	135.2	1.758	1.825	2.4923	
120 minute summer	8	48	9.890	1.250	211.1	43.2622	0.0000	FLOOD RISK	1.007	9	218.9	1.748	2.024	5.9233	
120 minute summer	9	48	9.800	1.450	388.4	59.8537	0.0000	FLOOD RISK	1.008	10	389.6	1.890	1.558	3.1360	
120 minute summer	10	48	9.800	1.590	400.8	10.7557	0.0000	FLOOD RISK	1.009	11	400.1	2.048	2.758	47.8813	
120 minute summer	11	48	9.800	1.800	405.1	0.0000	0.0000	FLOOD RISK	1.010	12	401.0	2.050	1.392	53.3278	
120 minute summer	12	28	7.750	1.000	401.0	0.0000	0.0000	FLOOD RISK	1.011	13	891.0	3.652	3.081	0.3821	
120 minute summer	13	76	9.782	0.282	601.0	0.0000	0.0000	OK	1.012	13_CUT	490.8	7.589	0.397	0.5455	
120 minute summer	13_CUT	88	8.452	0.918	490.8	0.0000	0.0000	OK	Flow through pond	49	1120.2	0.104	0.000	2504.7083	
120 minute summer	14	42	9.890	0.500	5.0	0.0000	0.0000	FLOOD RISK	2.000	15	-5.0	-0.159	-0.169	0.8135	
120 minute summer	15	42	9.890	0.714	88.0	37.1608	0.0000	FLOOD RISK	2.001	16	74.0	1.524	1.538	0.9254	
120 minute summer	16	42	9.800	0.809	74.5	0.0000	0.0000	FLOOD RISK	2.002	17	78.1	1.598	1.588	0.6320	
120 minute summer	17	42	9.800	0.941	102.8	14.2952	0.0000	FLOOD RISK	2.003	18	111.6	1.434	1.428	1.8750	
120 minute summer	18	42	9.890	1.119	187.9	29.0827	0.0000	FLOOD RISK	2.004	19	193.6	1.546	1.537	5.4893	
120 minute summer	19	42	9.800	1.344	348.5	41.1197	0.0000	FLOOD RISK	2.005	20	341.8	1.744	1.729	4.0528	
120 minute summer	20	44	9.800	1.389	341.0	0.0000	0.0000	FLOOD RISK	2.006	21	341.8	1.747	1.727	3.4979	
120 minute summer	21	44	9.800	1.428	341.8	0.0000	0.0000	FLOOD RISK	2.007	22	342.6	1.751	0.575	3.7404	
120 minute summer	22	44	9.890	1.800	441.9	20.1618	0.0000	FLOOD RISK	2.008	23	439.4	2.247	1.528	53.3017	
120 minute summer	23	24	7.750	1.000	439.4	0.0000	0.0000	FLOOD RISK	2.009	24	607.6	3.200	2.585	0.3722	
120 minute summer	24	80	9.785	0.285	507.8	0.0000	0.0000	OK	2.010	24_CUT	438.5	7.298	0.355	6.5208	
120 minute summer	24_CUT	88	8.493	0.958	438.5	0.0000	0.0000	OK	Flow through pond	49	1120.2	0.104	0.000	2504.7083	
120 minute summer	25	64	8.874	0.078	9.7	0.0501	0.0000	OK	3.000	26	9.7	0.740	0.541	0.4758	
120 minute summer	26	88	8.812	0.177	19.4	1.4892	0.0000	UNRECHARGED	3.001	27	16.2	0.968	1.020	0.7926	
								Infiltration			1.7				
120 minute summer	27	70	8.329	0.214	25.9	2.7558	0.0000	UNRECHARGED	3.002	28	19.7	1.197	0.978	0.5744	
								Infiltration			2.7				
120 minute summer	28	70	7.982	0.267	25.8	2.7566	0.0000	UNRECHARGED	3.003	29	22.4	1.338	0.947	0.8315	
								Infiltration			2.2				
120 minute summer	29	50	7.379	0.314	31.3	2.8588	0.0000	UNRECHARGED	3.004	30	26.8	1.612	0.963	0.1195	
								Infiltration			2.2				
120 minute summer	30	88	7.255	0.430	28.5	0.0515	0.0000	OK	3.005	31	25.9	0.222	0.011	9.7135	
120 minute summer	31	88	7.255	0.580	27.6	0.0672	0.0000	OK	3.006	32	20.3	0.156	0.012	8.8453	
								Infiltration			2.8				
120 minute summer	32	88	7.255	0.810	22.0	0.0732	0.0000	OK	3.007	33	13.7	0.072	0.009	7.8887	

P:\EricW Longacre GHRes (2449)\70 - Flow+\Glasshouse and Reservoir (Option B Pumped).pfd
T COUNCIL Y/92/18/DOC

120 minute summer	67	72	8.767	0.457	12.2	2.5948	0.0000SURCHARGE	Infiltration	0.3				
120 minute summer	68	76	8.690	0.446	14.0	3.8275	0.0000SURCHARGE	Infiltration	0.4				
120 minute summer	69	110	8.683	0.478	15.4	3.0959	0.0000OK	Infiltration	0.6				
120 minute summer	80	110	8.683	0.498	13.9	0.1894	0.0000OK	Infiltration	0.5				
120 minute summer	81	110	8.883	0.547	7.5	0.1981	0.0000OK	Infiltration	0.7				
120 minute summer	82	116	8.244	0.198	5.2	0.0366	0.0000OK	Infiltration	1.0				
120 minute summer	83	120	8.243	0.407	11.2	0.1385	0.0000OK	Infiltration	5.007				
120 minute summer	83_OUT							Infiltration	5.008				
120 minute summer	84	120	8.614	0.429	2.4	0.0887	0.0000OK	Infiltration	-1.0				
120 minute summer	85	120	8.614	0.488	3.6	0.0783	0.0000OK	Infiltration	0.9				
120 minute summer	86	120	8.614	0.521	3.5	0.0823	0.0000OK	Infiltration	0.8				
120 minute summer	87	120	8.614	0.538	2.4	0.0834	0.0000OK	Infiltration	0.3				
120 minute summer	88	118	8.221	0.145	3.3	0.0225	0.0000OK	Infiltration	0.1				
120 minute summer	89	110	8.220	0.455	4.7	0.0729	0.0000OK	Infiltration	0.4				
120 minute summer	70	116	8.055	0.360	2.4	0.0480	0.0000OK	Infiltration	2.3				
120 minute summer	71	116	8.055	0.370	9.0	0.0592	0.0000OK	Infiltration	0.0				
120 minute summer	72	116	8.055	0.370	10.7	0.0592	0.0000OK	Infiltration	0.1				
120 minute summer	73	204	8.365	0.680	11.4	0.1057	0.0000OK	Infiltration	11.2				
120 minute summer	74	204	8.365	0.661	12.5	0.1057	0.0000OK	Infiltration	0.4				
120 minute summer	75	204	8.368	0.681	11.0	0.1057	0.0000OK	Infiltration	0.1				
120 minute summer	76	204	8.367	0.732	9.9	0.1112	0.0000OK	Infiltration	2.8				
120 minute summer	76_OUT							Infiltration	10.7				
120 minute summer	77	204	8.367	0.732	5.9	0.1171	0.0000OK	Infiltration	0.1				
120 minute summer	78_OUT							Infiltration	0.1				

Results for 1000 year 120 minute winter, 360 minute analysis at 1 minute timestep, Mass balance: 87.37%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute winter	1	44	9.800	0.500	14.2	0.0000	0.0000	FLOOD RISK	1.000	2	-14.2	-0.607	-0.648	0.4853	
120 minute winter	2	44	9.800	0.550	23.8	0.0000	0.0000	FLOOD RISK	1.001	3	-23.8	-0.758	-1.195	1.1284	
120 minute winter	3	44	9.800	0.650	28.7	0.0000	0.0000	FLOOD RISK	1.002	4	-28.7	-0.917	-1.355	0.4988	
120 minute winter	4	44	9.800	0.700	31.7	0.0000	0.0000	FLOOD RISK	1.003	5	-31.7	-1.011	-1.375	0.8441	
120 minute winter	5	42	9.800	0.800	35.0	0.0000	0.0000	FLOOD RISK	1.004	6	-35.0	-1.118	-0.938	0.1821	
120 minute winter	6	42	9.800	0.900	66.9	46.2988	0.0000	FLOOD RISK	1.005	7	62.1	1.678	1.693	0.7798	
120 minute winter	7	42	9.800	1.050	114.1	22.7517	0.0000	FLOOD RISK	1.006	8	121.0	1.554	1.723	2.4823	
120 minute winter	8	42	9.800	1.250	198.0	37.8381	0.0000	FLOOD RISK	1.007	9	201.2	1.607	1.859	5.9230	
120 minute winter	9	42	9.800	1.450	344.8	52.3190	0.0000	FLOOD RISK	1.008	10	349.0	1.739	1.434	3.1360	
120 minute winter	10	42	9.800	1.500	387.3	9.4461	0.0000	FLOOD RISK	1.009	11	388.9	1.876	2.480	47.8613	
120 minute winter	11	42	9.800	1.800	386.9	0.0000	0.0000	FLOOD RISK	1.010	12	388.2	1.883	1.279	53.3276	
120 minute winter	12	26	7.750	1.000	358.2	0.0000	0.0000	FLOOD RISK	1.011	13	560.4	3.710	2.854	0.3731	
120 minute winter	13	68	9.787	0.267	560.4	0.0000	0.0000	OK	1.012	13_OUT	451.4	7.455	0.385	0.5190	
120 minute winter	13_OUT	74	8.360	0.827	451.4	0.0000	0.0000	OK	Flow through pond	49	1348.0	0.118	0.000	2841.8848	
120 minute winter	14	38	9.800	0.500	2.8	0.0000	0.0000	FLOOD RISK	2.000	15	-2.8	-0.088	-0.083	0.8138	
120 minute winter	15	38	9.800	0.714	66.3	29.9732	0.0000	FLOOD RISK	2.001	16	62.9	1.286	1.297	0.9254	
120 minute winter	16	38	9.800	0.809	62.9	0.0000	0.0000	FLOOD RISK	2.002	17	64.5	1.320	1.310	0.6320	
120 minute winter	17	38	9.800	0.941	91.3	11.6441	0.0000	FLOOD RISK	2.003	18	94.7	1.217	1.212	1.6750	
120 minute winter	18	38	9.800	1.119	166.3	23.9480	0.0000	FLOOD RISK	2.004	19	166.2	1.344	1.336	5.4890	
120 minute winter	19	38	9.800	1.344	289.3	34.3792	0.0000	FLOOD RISK	2.005	20	297.5	1.521	1.508	4.9628	
120 minute winter	20	38	9.800	1.389	297.5	0.0000	0.0000	FLOOD RISK	2.006	21	297.9	1.523	1.508	3.4979	
120 minute winter	21	38	9.800	1.428	297.9	0.0000	0.0000	FLOOD RISK	2.007	22	298.4	1.525	0.591	3.7404	
120 minute winter	22	38	9.800	1.800	382.9	17.3084	0.0000	FLOOD RISK	2.008	23	384.2	1.884	1.334	53.3017	
120 minute winter	23	22	7.750	1.000	384.2	0.0000	0.0000	FLOOD RISK	2.009	24	593.6	3.710	3.049	0.3819	
120 minute winter	24	74	9.781	0.281	588.6	0.0000	0.0000	OK	2.010	24_OUT	485.3	7.552	0.376	0.5503	
120 minute winter	24_OUT	68	8.440	0.909	485.3	0.0000	0.0000	OK	Flow through pond	49	1348.0	0.118	0.000	2841.8848	
120 minute winter	25	64	8.883	0.087	7.5	0.0432	0.0000	OK	3.000	26	7.5	0.897	0.418	0.3805	
120 minute winter	26	84	8.545	0.110	15.0	0.5884	0.0000	OK	3.001	27	13.9	0.952	0.879	0.6108	
									Infiltration		1.0				
120 minute winter	27	72	8.267	0.152	21.4	1.3792	0.0000	SURCHARGED	3.002	28	19.4	1.202	0.984	0.5744	
									Infiltration		1.9				
120 minute winter	28	74	7.942	0.247	26.9	2.3526	0.0000	SURCHARGED	3.003	29	22.6	1.332	0.957	0.8315	
									Infiltration		2.0				
120 minute winter	29	80	7.411	0.348	29.8	3.4493	0.0000	SURCHARGED	3.004	30	25.0	1.605	0.899	0.1195	
									Infiltration		2.4				
120 minute winter	30	88	7.279	0.454	28.4	0.9545	0.0000	OK	3.005	31	23.9	0.235	0.010	10.4412	
120 minute winter	31	88	7.279	0.584	25.3	0.0701	0.0000	OK	3.006	32	18.4	0.188	0.010	9.4235	
									Infiltration		3.0				

120 minute winter	32	88	7.279	0.634	19.8	0.0781	0.0000OK	3.007	33	12.8	0.078	0.000	8.5387
								Infiltration		2.3			
								Infiltration		2.4			
120 minute winter	33	88	7.279	0.504	13.5	0.0605	0.0000OK	3.008	34	12.7	0.204	0.000	7.0658
120 minute winter	34	88	7.280	0.535	13.3	0.0641	0.0000OK	3.009	35	10.7	0.232	0.004	6.0111
								Infiltration		2.0			
120 minute winter	35	88	7.279	0.604	11.3	0.0725	0.0000OK	3.010	36	9.0	0.051	0.003	10.5079
								Infiltration		1.6			
120 minute winter	36	88	7.280	0.775	10.2	0.0863	0.0000OK	3.011	37	7.5	0.769	0.548	0.0223
								Infiltration		2.4			
120 minute winter	37	98	6.811	0.308	8.0	0.0367	0.0000OK	3.012	38	7.0	0.049	0.000	8.9508
120 minute winter	38	98	6.811	0.548	7.4	0.0655	0.0000OK	3.013	39	-5.8	-0.094	-0.004	8.1828
								Infiltration		1.9			
								Infiltration		2.9			
120 minute winter	39	98	6.811	0.359	7.7	0.0427	0.0000OK	3.014	40	-8.3	-0.294	-0.004	2.5817
								Infiltration		1.2			
120 minute winter	40	98	6.811	0.118	0.4	0.0139	0.0000OK	3.015	41	-5.0	-0.321	-0.003	0.5049
								Infiltration		0.1			
120 minute winter	41	68	6.893	0.028	5.0	0.0034	0.0000OK	3.016	42	-3.6	-0.274	-0.002	0.1688
								Infiltration		0.0			
120 minute winter	42	68	7.108	0.021	3.6	0.0026	0.0000OK	3.017	43	-2.2	-0.189	-0.001	0.1627
								Infiltration		0.0			
120 minute winter	43	68	7.171	0.026	2.3	0.0031	0.0000OK	3.018	44	-0.9	-0.087	-0.001	0.1282
								Infiltration		0.0			
120 minute winter	44	68	7.237	0.012	1.4	0.0015	0.0000OK	3.019	45	0.5	0.064	0.000	0.1029
120 minute winter	45	68	7.218	0.021	1.9	0.0025	0.0000OK	3.020	46	1.9	0.197	0.001	0.1487
								Infiltration		0.0			
120 minute winter	46	66	7.148	0.023	3.3	0.0027	0.0000OK	3.021	47	3.3	0.244	0.001	0.7257
								Infiltration		0.0			
120 minute winter	47	110	7.117	0.152	4.7	0.0183	0.0000OK	3.022	48	4.6	0.139	0.001	2.5881
								Infiltration		0.2			
120 minute winter	48	112	7.117	0.322	6.0	0.0387	0.0000OK	3.023	49	3.9	0.148	0.005	3.7200
								Infiltration		0.3			
120 minute winter	49	128	7.842	-0.168	1457.9	0.5000	0.0000OK	Crifice	50	0.0			
								Infiltration		0.0			
120 minute winter	50	2	7.403	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
120 minute winter	51	2	7.300	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
120 minute winter	52	2	7.208	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
120 minute winter	53	110	7.117	0.332	6.3	0.0099	0.0000OK	3.024	54	2.7	0.187	0.001	5.3673
								Infiltration		0.3			
120 minute winter	54	110	7.117	0.492	4.1	0.0591	0.0000OK	3.025	54_OUT	1.4	0.046	0.001	8.7407
								Infiltration		0.4			
120 minute winter	54_OUT	110	7.117	0.612	2.8	0.0738	0.0000OK	Infiltration		0.5			

120 minute winter	55	76	8.798	0.352	4.8	0.1197	0.0000SURCHARGED	5.000	56	3.7	0.375	0.505	0.2949
120 minute winter	56	76	8.793	0.377	7.7	1.8600	0.0000SURCHARGED	5.001	57	5.0	0.454	0.482	0.3709
120 minute winter	57	78	8.773	0.483	9.6	2.8363	0.0000SURCHARGED	5.002	58	8.1	0.461	1.013	0.5462
120 minute winter	58	114	8.728	0.484	11.9	4.2048	0.0000SURCHARGED	5.003	59	9.6	0.543	1.287	0.3806
120 minute winter	59	114	8.728	0.523	13.3	3.4058	0.0000OK	5.004	60	8.0	0.108	0.011	19.6634
120 minute winter	60	114	8.728	0.543	11.9	0.1845	0.0000OK	5.005	61	2.4	0.095	0.000	27.5350
120 minute winter	61	114	8.728	0.592	6.2	0.2012	0.0000OK	5.006	62	1.1	0.488	0.074	0.0045
120 minute winter	62	120	8.293	0.157	4.0	0.0532	0.0000OK	5.007	63	3.9	0.691	0.002	17.5545
120 minute winter	63	122	8.292	0.456	8.6	0.1551	0.0000OK	5.008	63_OUT	-1.5	0.037	-0.001	12.0969
120 minute winter	63_OUT	122	8.292	0.527	4.0	0.1792	0.0000OK						
120 minute winter	64	118	6.664	0.479	1.9	0.0788	0.0000OK	6.000	65	0.9	0.085	0.000	5.3701
120 minute winter	65	118	6.664	0.539	2.6	0.0862	0.0000OK	6.001	66	0.6	0.057	0.000	7.6529
120 minute winter	66	118	6.664	0.571	2.7	0.0902	0.0000OK	6.002	67	-0.6	0.027	-0.001	3.9716
120 minute winter	67	118	6.664	0.588	1.9	0.0912	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
120 minute winter	68	118	6.255	0.179	2.6	0.0277	0.0000OK	6.004	69	1.6	0.050	0.001	8.5477
120 minute winter	69	118	6.254	0.489	3.7	0.0782	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
120 minute winter	70	124	6.132	0.377	2.1	0.0603	0.0000OK	6.006	71	2.7	0.082	0.001	3.4851
120 minute winter	71	124	6.132	0.447	6.4	0.0715	0.0000OK	6.007	72	9.5	0.140	0.006	10.4074
120 minute winter	72	124	6.132	0.447	9.5	0.0715	0.0000OK	6.008	73	11.1	0.796	0.775	0.0312
120 minute winter	73	270	6.366	0.661	11.1	0.1057	0.0000OK	6.009	74	11.9	0.028	0.008	4.5937
120 minute winter	74	270	6.367	0.662	11.9	0.1059	0.0000OK	6.010	75	13.0	0.071	0.009	5.2083
120 minute winter	75	270	6.367	0.682	13.0	0.1058	0.0000OK	6.011	76	9.5	0.052	0.003	5.4028
120 minute winter	76	270	6.366	0.731	9.5	0.1112	0.0000OK	6.012	76_OUT	4.7	0.008	0.003	5.4820
120 minute winter	76_OUT	270	6.366	0.731	4.7	0.1170	0.0000OK						

Results for 1000 year 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 87.68%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute summer	1	58	9.850	0.500	3.4	0.0000	0.0000	FLOOD RISK	1.000	2	-3.4	-0.109	-0.158	0.4853	
180 minute summer	2	58	9.800	0.550	8.9	0.0500	0.0000	FLOOD RISK	1.001	3	-8.9	-0.430	-0.448	1.1264	
180 minute summer	3	88	9.800	0.550	16.0	0.0500	0.0000	FLOOD RISK	1.002	4	-16.0	-0.511	-0.756	0.4980	
180 minute summer	4	88	9.800	0.700	18.5	0.0000	0.0000	FLOOD RISK	1.003	5	-18.5	-0.592	-0.804	0.8441	
180 minute summer	5	58	9.800	0.800	21.1	0.0000	0.0000	FLOOD RISK	1.004	6	-21.1	-0.674	-0.584	0.1521	
180 minute summer	6	68	9.800	0.900	82.7	40.0873	0.0000	FLOOD RISK	1.005	7	75.8	1.544	1.558	0.7798	
180 minute summer	7	88	9.800	1.050	104.9	19.8709	0.0000	FLOOD RISK	1.006	8	111.4	1.431	1.587	2.4923	
180 minute summer	8	58	9.850	1.250	181.3	33.3823	0.0000	FLOOD RISK	1.007	9	185.6	1.483	1.718	5.9233	
180 minute summer	9	68	9.800	1.450	321.2	48.4854	0.0000	FLOOD RISK	1.008	10	313.8	1.603	1.322	3.1368	
180 minute summer	10	88	9.800	1.500	338.5	8.4895	0.0000	FLOOD RISK	1.009	11	338.5	1.731	2.291	47.8813	
180 minute summer	11	72	9.800	1.800	338.5	0.0000	0.0000	FLOOD RISK	1.010	12	338.7	1.722	1.189	53.3278	
180 minute summer	12	36	7.750	1.000	338.7	0.0000	0.0000	FLOOD RISK	1.011	13	543.8	3.582	2.770	0.3855	
180 minute summer	13	96	9.754	0.254	543.8	0.0000	0.0000	OK	1.012	13_CUT	401.3	6.819	0.324	0.4781	
180 minute summer	13_CUT	104	8.225	0.892	401.3	0.0000	0.0000	OK	Flow through pond	49	788.7	0.071	0.000	2784.3752	
180 minute summer	14	84	9.850	0.500	2.6	0.0000	0.0000	FLOOD RISK	2.000	15	-2.6	-0.082	-0.089	0.8135	
180 minute summer	15	68	9.800	0.714	83.1	28.5387	0.0000	FLOOD RISK	2.001	16	59.0	1.208	1.218	0.9254	
180 minute summer	16	68	9.800	0.809	59.0	0.0000	0.0000	FLOOD RISK	2.002	17	60.8	1.243	1.233	0.6320	
180 minute summer	17	88	9.800	0.941	84.3	16.3813	0.0000	FLOOD RISK	2.003	18	88.6	1.138	1.134	1.8750	
180 minute summer	18	68	9.850	1.119	153.5	21.4358	0.0000	FLOOD RISK	2.004	19	156.3	1.249	1.241	5.4893	
180 minute summer	19	58	9.800	1.344	280.3	30.9811	0.0000	FLOOD RISK	2.005	20	276.3	1.413	1.401	4.0528	
180 minute summer	20	58	9.800	1.389	276.3	0.0000	0.0000	FLOOD RISK	2.006	21	276.9	1.416	1.400	3.4979	
180 minute summer	21	68	9.800	1.428	276.9	0.0000	0.0000	FLOOD RISK	2.007	22	277.6	1.419	0.488	3.7404	
180 minute summer	22	68	9.800	1.800	354.5	15.8429	0.0000	FLOOD RISK	2.008	23	354.3	1.811	1.230	53.3017	
180 minute summer	23	32	7.750	1.000	354.3	0.0000	0.0000	FLOOD RISK	2.009	24	514.7	3.541	2.621	0.3707	
180 minute summer	24	92	9.783	0.283	514.7	0.0000	0.0000	OK	2.010	24_CUT	420.2	7.584	0.340	6.5008	
180 minute summer	24_CUT	100	8.345	0.811	420.2	0.0000	0.0000	OK	Flow through pond	49	788.7	0.071	0.000	2784.3752	
180 minute summer	25	96	8.881	0.065	7.1	0.0419	0.0000	OK	3.000	26	7.1	0.698	0.380	0.3645	
180 minute summer	26	96	8.541	0.106	14.2	0.5443	0.0000	OK	3.001	27	13.2	0.943	0.830	0.5568	
									Infiltration		1.0				
180 minute summer	27	96	8.231	0.118	20.3	0.8127	0.0000	OK	3.002	28	19.2	1.201	0.951	0.5265	
									Infiltration		1.4				
180 minute summer	28	100	7.889	0.204	26.3	1.6015	0.0000	SURCHARGED	3.003	29	22.6	1.326	0.957	0.8315	
									Infiltration		1.7				
180 minute summer	29	108	7.357	0.282	29.7	2.4688	0.0000	SURCHARGED	3.004	30	24.6	1.592	0.888	0.1195	
									Infiltration		2.0				
180 minute summer	30	116	7.241	0.416	26.9	0.0508	0.0000	OK	3.005	31	23.5	0.195	0.010	9.3228	
180 minute summer	31	116	7.241	0.548	24.6	0.0658	0.0000	OK	3.006	32	18.0	0.141	0.010	8.5317	
									Infiltration		2.8				
180 minute summer	32	116	7.241	0.598	19.3	0.0716	0.0000	OK	3.007	33	11.5	0.062	0.008	7.6894	

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180 minute summer	57	104	8.705	0.295	9.4	2.1855	0.0000SURCHARGE	Infiltration	5.002	58	7.5	0.425	0.935	0.5462
180 minute summer	58	144	8.684	0.439	11.1	3.7892	0.0000SURCHARGE	Infiltration	5.003	59	8.8	0.498	1.184	0.3908
180 minute summer	59	140	8.684	0.478	12.3	3.0982	0.0000OK	Infiltration	5.004	60	7.3	0.085	0.010	18.7352
180 minute summer	60	140	8.684	0.499	11.0	0.1896	0.0000OK	Infiltration	5.005	61	2.3	0.055	0.002	24.3554
180 minute summer	61	140	8.684	0.548	5.6	0.1982	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
180 minute summer	62	152	8.247	0.111	4.7	0.0375	0.0000OK	Infiltration	5.007	63	3.8	0.074	0.002	14.3452
180 minute summer	63	156	8.246	0.410	8.4	0.1394	0.0000OK	Infiltration	5.008	63_OUT	-2.0	0.030	-0.001	10.4285
180 minute summer	63_OUT	148	8.246	0.481	3.8	0.1836	0.0000OK	Infiltration	5.009	64	0.8	0.052	0.000	4.0415
180 minute summer	64	180	8.630	0.445	1.8	0.0712	0.0000OK	Infiltration	8.000	65	0.4	0.056	0.000	8.4083
180 minute summer	65	180	8.630	0.505	2.7	0.0808	0.0000OK	Infiltration	8.001	66	0.2	0.028	0.000	3.8194
180 minute summer	66	180	8.630	0.537	2.8	0.0848	0.0000OK	Infiltration	8.002	67	0.0	0.000	0.000	0.0000
180 minute summer	67	180	8.630	0.554	1.6	0.0658	0.0000OK	Infiltration	8.003	68	0.0	0.000	0.000	0.0000
180 minute summer	68	144	8.227	0.151	1.9	0.0234	0.0000OK	Infiltration	8.004	69	1.4	0.051	0.000	7.6885
180 minute summer	69	148	8.227	0.462	3.2	0.0738	0.0000OK	Infiltration	8.005	70	0.0	0.000	0.000	0.0000
180 minute summer	70	184	8.069	0.314	1.8	0.0502	0.0000OK	Infiltration	8.006	71	3.3	0.070	0.001	2.7373
180 minute summer	71	184	8.069	0.384	4.9	0.0615	0.0000OK	Infiltration	8.007	72	10.9	0.148	0.007	8.3692
180 minute summer	72	184	8.070	0.385	11.2	0.0618	0.0000OK	Infiltration	8.008	73	11.0	0.794	0.767	0.0309
180 minute summer	73	248	8.365	0.680	11.0	0.1058	0.0000OK	Infiltration	8.009	74	11.1	0.023	0.007	4.5805
180 minute summer	74	248	8.365	0.660	11.1	0.1050	0.0000OK	Infiltration	8.010	75	11.2	0.059	0.007	5.1819
180 minute summer	75	248	8.368	0.681	11.2	0.1057	0.0000OK	Infiltration	8.011	76	11.6	0.048	0.004	5.3883
180 minute summer	76	248	8.365	0.710	11.5	0.1110	0.0000OK	Infiltration	8.012	76_OUT	5.3	0.607	0.064	5.4420
180 minute summer	76_OUT	248	8.364	0.728	5.3	0.1167	0.0000OK	Infiltration	8.013	77	0.2	0.000	0.000	0.0000

Results for 1000 year 180 minute winter. 430 minute analysis at 4 minute timestep. Mass balance: 87.78%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
180 minute winter	1	60	9.800	0.500	1.5	0.0000	0.0000	FLOOD RISK	1.000	2	1.5	0.055	0.080	0.4853	
180 minute winter	2	60	9.800	0.550	3.8	0.0000	0.0000	FLOOD RISK	1.001	3	-3.8	-0.123	-0.194	1.1284	
180 minute winter	3	60	9.800	0.650	8.0	0.0000	0.0000	FLOOD RISK	1.002	4	-8.0	-0.535	-0.405	0.4988	
180 minute winter	4	60	9.800	0.700	20.5	0.0000	0.0000	FLOOD RISK	1.003	5	-20.5	-0.851	-0.885	0.8441	
180 minute winter	5	60	9.800	0.800	24.9	0.0000	0.0000	FLOOD RISK	1.004	6	-24.9	-0.795	-0.950	0.1521	
180 minute winter	6	60	9.800	0.900	63.7	32.1754	0.0000	FLOOD RISK	1.005	7	62.4	1.275	1.287	0.7796	
180 minute winter	7	60	9.800	1.050	92.4	18.0052	0.0000	FLOOD RISK	1.006	8	94.9	1.219	1.351	2.4923	
180 minute winter	8	60	9.800	1.250	160.3	27.1072	0.0000	FLOOD RISK	1.007	9	161.2	1.288	1.491	5.9230	
180 minute winter	9	60	9.800	1.450	274.4	38.2367	0.0000	FLOOD RISK	1.008	10	272.4	1.393	1.149	3.1360	
180 minute winter	10	60	9.800	1.500	294.3	6.9437	0.0000	FLOOD RISK	1.009	11	293.9	1.503	1.939	47.8613	
180 minute winter	11	64	9.800	1.800	293.9	0.0000	0.0000	FLOOD RISK	1.010	12	292.3	1.495	1.015	53.3276	
180 minute winter	12	36	7.750	1.000	292.3	0.0000	0.0000	FLOOD RISK	1.011	13	489.3	3.042	2.492	0.3828	
180 minute winter	13	108	9.751	0.251	489.3	0.0000	0.0000	OK	1.012	13_OUT	332.2	7.188	0.289	0.4689	
180 minute winter	13_OUT	98	8.193	0.656	332.2	0.0000	0.0000	OK	Flow through pond	49	1047.5	0.680	0.000	3164.9737	
180 minute winter	14	58	9.800	0.500	4.9	0.0000	0.0000	FLOOD RISK	2.000	15	-4.9	-0.157	-0.153	0.8138	
180 minute winter	15	58	9.800	0.714	48.5	19.8936	0.0000	FLOOD RISK	2.001	16	47.7	0.975	0.934	0.9254	
180 minute winter	16	58	9.800	0.809	47.7	0.0000	0.0000	FLOOD RISK	2.002	17	48.1	0.985	0.977	0.6329	
180 minute winter	17	58	9.800	0.941	70.9	8.0033	0.0000	FLOOD RISK	2.003	18	72.1	0.828	0.922	1.5750	
180 minute winter	18	58	9.800	1.119	129.3	16.8478	0.0000	FLOOD RISK	2.004	19	129.7	1.036	1.030	5.4890	
180 minute winter	19	58	9.800	1.344	230.3	24.9971	0.0000	FLOOD RISK	2.005	20	230.2	1.177	1.157	4.9628	
180 minute winter	20	58	9.800	1.389	230.2	0.0000	0.0000	FLOOD RISK	2.006	21	230.3	1.395	1.154	3.4979	
180 minute winter	21	58	9.800	1.428	230.3	0.0000	0.0000	FLOOD RISK	2.007	22	230.3	1.225	0.386	3.7404	
180 minute winter	22	60	9.800	1.800	294.7	13.2719	0.0000	FLOOD RISK	2.008	23	295.5	1.518	1.029	53.3017	
180 minute winter	23	32	7.750	1.000	296.5	0.0000	0.0000	FLOOD RISK	2.009	24	446.1	2.728	2.272	0.3836	
180 minute winter	24	98	9.751	0.251	446.1	0.0000	0.0000	OK	2.010	24_OUT	385.4	7.113	0.312	0.4648	
180 minute winter	24_OUT	104	8.210	0.677	385.4	0.0000	0.0000	OK	Flow through pond	49	1047.5	0.686	0.000	3164.9737	
180 minute winter	25	96	8.653	0.057	5.5	0.0394	0.0000	OK	3.000	26	5.5	0.854	0.307	0.2987	
180 minute winter	26	96	8.523	0.068	11.0	0.3912	0.0000	OK	3.001	27	10.2	0.898	0.842	0.4537	
									Infiltration		0.8				
180 minute winter	27	98	8.211	0.096	15.7	0.5695	0.0000	OK	3.002	28	14.6	1.173	0.722	0.4050	
									Infiltration		1.1				
180 minute winter	28	98	7.798	0.103	20.1	0.4243	0.0000	OK	3.003	29	19.3	1.295	0.816	0.5483	
									Infiltration		0.8				
180 minute winter	29	108	7.338	0.274	24.8	2.1809	0.0000	SURCHARGED	3.004	30	21.4	1.518	0.770	0.1195	
									Infiltration		1.9				
180 minute winter	30	120	7.257	0.432	22.4	0.9518	0.0000	OK	3.005	31	20.5	0.219	0.009	8.7615	
180 minute winter	31	120	7.257	0.582	21.5	0.0874	0.0000	OK	3.006	32	15.8	0.123	0.009	8.8813	
									Infiltration		2.9				

180 minute winter	32	120	7.250	0.611	10.8	0.0734	0.0000OK	3.007	33	10.2	0.084	0.007	8.0218
								Infiltration		2.2			
								Infiltration		2.3			
180 minute winter	33	120	7.258	0.481	11.2	0.0578	0.0000OK	3.008	34	8.7	0.182	0.008	0.5475
180 minute winter	34	120	7.268	0.511	9.4	0.0814	0.0000OK	3.009	35	7.0	0.186	0.000	5.8481
								Infiltration		1.9			
180 minute winter	35	120	7.256	0.581	7.7	0.0698	0.0000OK	3.010	36	5.9	0.035	0.002	10.5603
								Infiltration		1.6			
180 minute winter	36	120	7.258	0.751	8.5	0.0857	0.0000OK	3.011	37	4.1	0.872	0.289	0.0143
								Infiltration		2.4			
180 minute winter	37	132	6.744	0.239	4.7	0.0267	0.0000OK	3.012	38	4.0	0.034	0.001	7.0824
180 minute winter	38	132	6.744	0.479	5.9	0.0575	0.0000OK	3.013	39	4.1	-0.079	-0.003	4.9121
								Infiltration		1.7			
								Infiltration		2.6			
180 minute winter	39	132	6.744	0.289	5.5	0.0347	0.0000OK	3.014	40	-4.5	-0.254	-0.000	1.7531
								Infiltration		1.0			
180 minute winter	40	132	6.744	0.049	4.5	0.0059	0.0000OK	3.015	41	-3.5	-0.284	-0.002	0.2193
								Infiltration		0.0			
180 minute winter	41	100	6.888	0.023	3.5	0.0028	0.0000OK	3.016	42	-2.5	-0.241	-0.002	0.1364
								Infiltration		0.0			
180 minute winter	42	100	7.102	0.017	2.6	0.0021	0.0000OK	3.017	43	-1.5	-0.158	-0.001	0.1319
								Infiltration		0.0			
180 minute winter	43	99	7.166	0.021	1.6	0.0025	0.0000OK	3.018	44	-0.0	-0.077	0.000	0.1029
								Infiltration		0.0			
180 minute winter	44	100	7.235	0.010	1.0	0.0012	0.0000OK	3.019	45	0.4	0.059	0.000	0.0835
180 minute winter	45	100	7.212	0.017	1.4	0.0020	0.0000OK	3.020	46	1.3	0.147	0.001	0.1290
								Infiltration		0.0			
180 minute winter	46	100	7.144	0.019	2.3	0.0022	0.0000OK	3.021	47	2.3	0.215	0.001	0.7097
								Infiltration		0.0			
180 minute winter	47	144	7.115	0.150	3.3	0.0178	0.0000OK	3.022	48	3.3	0.119	0.001	2.5522
								Infiltration		0.2			
180 minute winter	48	144	7.115	0.320	4.3	0.0383	0.0000OK	3.023	49	2.7	0.118	0.000	3.8790
								Infiltration		0.3			
180 minute winter	49	200	7.876	-0.124	1108.5	0.0000	0.0000OK	Crifice	50	0.0			
								Infiltration		0.0			
180 minute winter	50	4	7.403	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
180 minute winter	51	4	7.300	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
180 minute winter	52	4	7.208	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
180 minute winter	53	144	7.115	0.330	3.7	0.0096	0.0000OK	3.024	54	2.0	0.152	0.001	5.3207
								Infiltration		0.3			
180 minute winter	54	144	7.115	0.490	3.0	0.0568	0.0000OK	3.025	54_OUT	1.1	0.040	0.000	8.8799
								Infiltration		0.4			
180 minute winter	54_OUT	144	7.115	0.610	1.8	0.0732	0.0000OK	Infiltration		0.5			

180 minute winter	55	116	8.738	0.292	2.8	0.0983	0.0000SURCHARGED	5.009	56	2.7	0.348	0.372	0.2948
180 minute winter	56	120	8.736	0.320	5.8	1.5545	0.0000SURCHARGED	5.001	57	4.8	0.414	0.384	0.3799
								Infiltration		0.3			
180 minute winter	57	128	8.732	0.422	7.4	2.3607	0.0000SURCHARGED	5.002	58	8.2	0.355	0.770	0.5452
								Infiltration		0.4			
180 minute winter	58	140	8.727	0.482	9.0	4.1828	0.0000SURCHARGED	5.003	59	7.2	0.418	0.873	0.3806
								Infiltration		0.7			
180 minute winter	59	144	8.725	0.520	10.0	3.3902	0.0000OK	5.004	60	5.1	0.693	0.009	18.9320
								Infiltration		0.5			
180 minute winter	60	144	8.725	0.540	8.9	0.1835	0.0000OK	5.005	61	1.9	0.090	0.092	27.3659
								Infiltration		0.8			
180 minute winter	61	144	8.725	0.559	4.7	0.2004	0.0000OK	5.006	62	0.9	0.483	0.082	0.6039
								Infiltration		1.1			
180 minute winter	62	172	8.293	0.157	3.7	0.0534	0.0000OK	5.007	63	2.8	0.678	0.001	17.8251
180 minute winter	63	176	8.293	0.457	6.2	0.1556	0.0000OK	5.008	63_OUT	-1.5	0.032	-0.001	12.1091
								Infiltration		1.0			
180 minute winter	63_OUT	176	8.293	0.528	2.9	0.1798	0.0000OK	Infiltration		0.5			
180 minute winter	64	176	8.676	0.491	1.4	0.0788	0.0000OK	6.000	65	0.8	0.657	0.000	5.5880
180 minute winter	65	176	6.678	0.551	2.1	0.0862	0.0000OK	6.001	66	0.4	0.650	0.000	7.2950
								Infiltration		0.2			
180 minute winter	66	176	6.678	0.583	2.0	0.0922	0.0000OK	6.002	67	-0.5	0.016	0.000	4.1029
								Infiltration		0.5			
180 minute winter	67	176	6.676	0.900	1.4	0.0931	0.0000OK	6.003	68	0.0	0.600	0.000	0.5000
								Infiltration		0.2			
180 minute winter	68	158	6.253	0.183	1.9	0.0284	0.0000OK	6.004	69	1.3	0.040	0.000	8.8958
180 minute winter	69	158	6.258	0.493	2.7	0.0788	0.0000OK	6.005	70	0.0	0.090	0.000	0.0000
								Infiltration		0.5			
180 minute winter	70	180	6.162	0.407	1.8	0.0652	0.0000OK	6.006	71	2.2	0.658	0.001	3.5423
180 minute winter	71	180	6.162	0.477	5.9	0.0764	0.0000OK	6.007	72	9.7	0.121	0.006	11.4689
								Infiltration		0.2			
180 minute winter	72	180	6.162	0.477	9.7	0.0794	0.0000OK	6.008	73	11.1	0.795	0.775	0.0906
								Infiltration		0.5			
180 minute winter	73	324	6.366	0.661	11.1	0.1057	0.0000OK	6.009	74	10.8	0.023	0.007	4.5879
180 minute winter	74	284	6.366	0.661	10.8	0.1057	0.0000OK	6.010	75	11.5	0.080	0.008	5.1997
								Infiltration		0.2			
180 minute winter	75	284	6.368	0.661	11.5	0.1058	0.0000OK	6.011	76	-9.5	0.045	-0.003	5.4028
								Infiltration		0.2			
180 minute winter	76	284	6.367	0.732	8.2	0.1113	0.0000OK	6.012	76_OUT	-5.9	-0.008	-0.005	5.4718
								Infiltration		0.2			
180 minute winter	76_OUT	284	6.367	0.732	4.5	0.1172	0.0000OK	Infiltration		0.2			

Results for 1000 year 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 87.64%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute summer	1	88	9.890	0.500	2.1	0.0000	0.0000	FLOOD RISK	1.000	2	-2.1	-0.068	-0.097	0.4853	
240 minute summer	2	88	9.890	0.550	4.2	0.0500	0.0000	FLOOD RISK	1.001	3	-4.2	-0.191	-0.213	1.1264	
240 minute summer	3	88	9.890	0.650	12.7	0.0900	0.0000	FLOOD RISK	1.002	4	-12.7	-0.414	-0.602	0.4980	
240 minute summer	4	88	9.890	0.700	15.4	0.0000	0.0000	FLOOD RISK	1.003	5	-15.4	-0.493	-0.870	0.8441	
240 minute summer	5	88	9.890	0.800	17.2	0.0000	0.0000	FLOOD RISK	1.004	6	-17.2	-0.556	-0.460	0.1621	
240 minute summer	6	88	9.890	0.900	69.1	32.2134	0.0000	FLOOD RISK	1.005	7	63.7	1.302	1.314	0.7798	
240 minute summer	7	88	9.890	1.050	91.9	15.0193	0.0000	FLOOD RISK	1.006	8	98.4	1.258	1.373	2.4923	
240 minute summer	8	88	9.890	1.250	159.4	27.1029	0.0000	FLOOD RISK	1.007	9	181.4	1.288	1.492	5.9233	
240 minute summer	9	88	9.890	1.450	277.0	38.1510	0.0000	FLOOD RISK	1.008	10	272.8	1.393	1.151	3.1360	
240 minute summer	10	88	9.890	1.590	294.0	9.9276	0.0000	FLOOD RISK	1.009	11	293.8	1.502	1.988	47.8813	
240 minute summer	11	96	9.890	1.800	293.8	0.0000	0.0000	FLOOD RISK	1.010	12	285.2	1.508	1.025	53.3278	
240 minute summer	12	40	7.750	1.000	295.2	0.0000	0.0000	FLOOD RISK	1.011	13	481.1	3.118	2.348	0.3534	
240 minute summer	13	128	9.735	0.238	481.1	0.0000	0.0000	OK	1.012	13_CUT	385.6	6.598	0.312	0.4547	
240 minute summer	13_CUT	136	8.190	0.857	385.6	0.0000	0.0000	OK	Flow through pond	49	575.7	0.051	0.000	2992.8743	
240 minute summer	14	92	9.890	0.500	3.4	0.0000	0.0000	FLOOD RISK	2.000	15	-3.4	-0.127	-0.113	0.8135	
240 minute summer	15	92	9.890	0.714	52.7	20.6183	0.0000	FLOOD RISK	2.001	16	49.0	1.013	1.024	0.9254	
240 minute summer	16	92	9.890	0.809	49.5	0.0000	0.0000	FLOOD RISK	2.002	17	50.4	1.031	1.023	0.6320	
240 minute summer	17	92	9.890	0.941	72.4	8.2957	0.0000	FLOOD RISK	2.003	18	75.0	0.953	0.959	1.8750	
240 minute summer	18	92	9.890	1.119	132.3	17.4429	0.0000	FLOOD RISK	2.004	19	133.2	1.094	1.058	5.4893	
240 minute summer	19	96	9.890	1.344	238.9	25.7804	0.0000	FLOOD RISK	2.005	20	238.0	1.207	1.197	4.0528	
240 minute summer	20	96	9.890	1.389	238.0	0.0000	0.0000	FLOOD RISK	2.006	21	235.9	1.206	1.192	3.4979	
240 minute summer	21	96	9.890	1.428	235.9	0.0000	0.0000	FLOOD RISK	2.007	22	235.8	1.206	0.306	3.7404	
240 minute summer	22	96	9.890	1.800	303.9	13.6193	0.0000	FLOOD RISK	2.008	23	303.6	1.551	1.053	53.3017	
240 minute summer	23	36	7.750	1.000	303.5	0.0000	0.0000	FLOOD RISK	2.009	24	490.3	3.296	2.497	0.3183	
240 minute summer	24	136	9.578	0.175	490.3	0.0000	0.0000	OK	2.010	24_CUT	358.5	8.893	0.291	6.3334	
240 minute summer	24_CUT	124	8.264	0.871	358.5	0.0000	0.0000	OK	Flow through pond	49	575.7	0.051	0.000	2992.8743	
240 minute summer	25	124	8.855	0.668	8.0	0.0380	0.0000	OK	3.000	26	9.0	0.668	0.333	0.3158	
240 minute summer	26	124	8.527	0.092	12.0	0.4249	0.0000	OK	3.001	27	10.9	0.910	0.684	0.4762	
								Infiltration			0.8				
240 minute summer	27	124	8.215	0.100	18.9	0.6114	0.0000	OK	3.002	28	15.4	1.184	0.761	0.4233	
								Infiltration			1.2				
240 minute summer	28	128	7.602	0.197	21.3	6.4586	0.0000	OK	3.003	29	20.3	1.308	0.881	6.5571	
								Infiltration			0.8				
240 minute summer	29	132	7.296	0.233	28.2	1.5778	0.0000	OK (ARCH-ROD)	3.004	30	22.6	1.586	0.814	0.1195	
								Infiltration			1.6				
240 minute summer	30	152	7.220	0.395	23.8	0.0474	0.0000	OK	3.005	31	21.8	0.172	0.009	8.7288	
240 minute summer	31	152	7.220	0.525	22.6	0.0633	0.0000	OK	3.006	32	16.9	0.146	0.010	8.0559	
								Infiltration			2.7				
240 minute summer	32	152	7.220	0.575	17.9	0.0890	0.0000	OK	3.007	33	11.0	0.062	0.007	7.2370	

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240 minute summer	57	172	8.884	0.374	7.8	2.042%	0.0000	OK	5.002	58	8.4	0.384	0.800	0.5462
									Infiltration					
240 minute summer	58	180	8.883	0.438	9.4	3.7571	0.0000	SURCHARGE	5.003	59	7.8	0.423	1.004	0.3808
									Infiltration					
240 minute summer	59	178	8.882	0.477	10.5	3.0892	0.0000	OK	5.004	60	6.3	0.078	0.009	18.8893
									Infiltration					
240 minute summer	60	178	8.882	0.497	9.3	0.1891	0.0000	OK	5.005	61	2.0	0.050	0.002	24.2848
									Infiltration					
240 minute summer	61	178	8.882	0.548	4.9	0.1558	0.0000	OK	5.008	62	0.0	0.000	0.000	0.0000
									Infiltration					
240 minute summer	62	179	8.248	0.112	3.2	0.0379	0.0000	OK	5.007	63	3.1	0.067	0.002	14.4278
240 minute summer	63	180	8.247	0.411	7.0	0.1398	0.0000	OK	5.008	63_OUT	-1.1	0.028	-0.001	10.4735
									Infiltration					
240 minute summer	63_OUT	180	8.247	0.482	3.2	0.1840	0.0000	OK	5.009					
									Infiltration					
240 minute summer	64	212	8.828	0.441	1.5	0.0705	0.0000	OK	5.009	65	0.5	0.050	0.000	4.7801
240 minute summer	65	212	8.828	0.501	2.2	0.0801	0.0000	OK	5.001	66	0.2	0.044	0.000	8.3307
									Infiltration					
240 minute summer	66	212	8.828	0.533	2.1	0.0842	0.0000	OK	5.002	67	-0.8	0.022	0.000	3.5784
									Infiltration					
240 minute summer	67	212	8.829	0.550	1.5	0.0852	0.0000	OK	5.003	68	0.0	0.000	0.000	0.0000
									Infiltration					
240 minute summer	68	179	8.224	0.148	1.8	0.0228	0.0000	OK	5.004	69	1.3	0.031	0.000	7.8858
240 minute summer	69	184	8.224	0.458	2.8	0.0734	0.0000	OK	5.005	70	0.0	0.000	0.000	0.0000
									Infiltration					
240 minute summer	70	224	8.062	0.307	1.9	0.0492	0.0000	OK	5.006	71	2.2	0.058	0.001	2.6822
240 minute summer	71	224	8.062	0.377	5.7	0.0804	0.0000	OK	5.007	72	8.2	0.134	0.005	8.1174
									Infiltration					
240 minute summer	72	216	8.062	0.377	8.2	0.0803	0.0000	OK	5.008	73	11.1	0.795	0.775	0.0312
									Infiltration					
240 minute summer	73	172	8.367	0.882	11.1	0.1058	0.0000	OK	5.009	74	11.1	0.017	0.007	4.8008
240 minute summer	74	172	8.366	0.961	11.1	0.1058	0.0000	OK	5.010	75	10.8	0.043	0.007	5.2573
									Infiltration					
240 minute summer	75	172	8.367	0.882	10.8	0.1058	0.0000	OK	5.011	76	9.1	0.037	0.003	5.4077
									Infiltration					
240 minute summer	76	172	8.367	0.732	9.1	0.1113	0.0000	OK	5.012	76_OUT	-5.1	-0.608	-0.003	5.4722
									Infiltration					
240 minute summer	76_OUT	172	8.367	0.732	4.4	0.1172	0.0000	OK	5.012					
									Infiltration					

Results for 1000 year 240 minute winter, 480 minute analysis at 4 minute timestep, Mass balance: 87.89%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
240 minute winter	1	76	9.800	0.500	0.8	0.0000	0.0000	FLOOD RISK	1.000	2	1.0	0.031	0.044	0.4853	
240 minute winter	2	76	9.800	0.550	2.7	0.0000	0.0000	FLOOD RISK	1.001	3	-2.7	-0.202	-0.134	1.1284	
240 minute winter	3	76	9.800	0.650	15.3	0.0000	0.0000	FLOOD RISK	1.002	4	-15.3	-0.490	-0.724	0.4986	
240 minute winter	4	76	9.800	0.700	18.4	0.0000	0.0000	FLOOD RISK	1.003	5	-18.4	-0.566	-0.799	0.8441	
240 minute winter	5	76	9.800	0.800	20.0	0.0000	0.0000	FLOOD RISK	1.004	6	-20.0	-0.640	-0.530	0.1621	
240 minute winter	6	76	9.800	0.900	51.4	24.3818	0.0000	FLOOD RISK	1.005	7	50.8	1.039	1.048	0.7796	
240 minute winter	7	76	9.800	1.050	77.2	12.3076	0.0000	FLOOD RISK	1.006	8	75.4	1.007	1.117	2.4823	
240 minute winter	8	76	9.800	1.250	134.0	21.2482	0.0000	FLOOD RISK	1.007	9	134.3	1.673	1.242	5.9230	
240 minute winter	9	80	9.800	1.450	228.3	30.5351	0.0000	FLOOD RISK	1.008	10	227.6	1.164	0.981	3.1360	
240 minute winter	10	80	9.800	1.500	245.4	5.5745	0.0000	FLOOD RISK	1.009	11	245.4	1.255	1.061	47.8613	
240 minute winter	11	84	9.800	1.800	245.4	0.0000	0.0000	FLOOD RISK	1.010	12	247.0	1.293	0.858	51.3276	
240 minute winter	12	40	7.750	1.000	247.0	0.0000	0.0000	FLOOD RISK	1.011	13	415.4	2.808	2.116	0.3488	
240 minute winter	13	136	9.725	0.228	415.4	0.0000	0.0000	OK	1.012	13_OUT	325.1	6.731	0.283	0.4083	
240 minute winter	13_OUT	132	8.098	0.585	325.1	0.0000	0.0000	OK	Flow through pond	49	783.2	0.660	0.000	3395.3887	
240 minute winter	14	80	9.800	0.500	2.3	0.0000	0.0000	FLOOD RISK	2.000	15	-2.3	-0.074	-0.077	0.8136	
240 minute winter	15	80	9.800	0.714	39.2	14.8305	0.0000	FLOOD RISK	2.001	16	38.6	0.793	0.799	0.9254	
240 minute winter	16	80	9.800	0.809	38.6	0.0000	0.0000	FLOOD RISK	2.002	17	38.9	0.796	0.790	0.6320	
240 minute winter	17	80	9.800	0.941	58.2	6.1889	0.0000	FLOOD RISK	2.003	18	58.7	0.753	0.750	1.6750	
240 minute winter	18	80	9.800	1.119	106.1	13.3385	0.0000	FLOOD RISK	2.004	19	105.1	0.648	0.643	5.4890	
240 minute winter	19	80	9.800	1.344	188.7	20.3412	0.0000	FLOOD RISK	2.005	20	188.5	0.964	0.958	4.0628	
240 minute winter	20	80	9.800	1.389	188.5	0.0000	0.0000	FLOOD RISK	2.006	21	188.4	1.233	0.952	3.4979	
240 minute winter	21	80	9.800	1.428	188.4	0.0000	0.0000	FLOOD RISK	2.007	22	188.4	1.151	0.316	3.7404	
240 minute winter	22	80	9.800	1.800	241.9	11.2886	0.0000	FLOOD RISK	2.008	23	241.4	1.234	0.838	53.3017	
240 minute winter	23	36	7.750	1.000	241.4	0.0000	0.0000	FLOOD RISK	2.009	24	403.5	2.811	2.055	0.3505	
240 minute winter	24	128	9.730	0.250	403.5	0.0000	0.0000	OK	2.010	24_OUT	314.1	6.856	0.254	0.4151	
240 minute winter	24_OUT	124	8.097	0.583	314.1	0.0000	0.0000	OK	Flow through pond	49	783.2	0.660	0.000	3395.3887	
240 minute winter	25	124	8.648	0.050	4.4	0.0323	0.0000	OK	3.000	26	4.4	0.623	0.245	0.2516	
240 minute winter	26	128	8.511	0.076	8.8	0.3015	0.0000	OK	3.001	27	5.1	0.658	0.512	0.3789	
									Infiltration		0.7				
240 minute winter	27	128	8.198	0.083	12.5	0.4266	0.0000	OK	3.002	28	11.6	1.120	0.574	0.3376	
									Infiltration		0.9				
240 minute winter	28	128	7.783	0.088	16.0	0.3199	0.0000	OK	3.003	29	15.3	1.246	0.650	0.5031	
									Infiltration		0.8				
240 minute winter	29	148	7.275	0.213	19.7	1.3184	0.0000	SURCHARGED	3.004	30	15.1	1.480	0.652	0.1195	
									Infiltration		1.4				
240 minute winter	30	156	7.230	0.405	18.9	0.9466	0.0000	OK	3.005	31	17.5	0.192	0.007	8.9928	
240 minute winter	31	156	7.230	0.535	18.3	0.0642	0.0000	OK	3.006	32	13.5	0.129	0.008	8.2676	
									Infiltration		2.8				

240 minute winter	32	156	7.230	0.585	14.3	0.0702	0.0000OK	3.007	33	8.5	0.058	0.006	7.4374
								Infiltration		2.1			
								Infiltration		2.2			
240 minute winter	33	156	7.233	0.455	9.3	0.0546	0.0000OK	3.008	34	7.3	0.176	0.005	6.9260
240 minute winter	34	156	7.230	0.485	8.1	0.0582	0.0000OK	3.009	35	4.8	0.171	0.002	5.2316
								Infiltration		1.9			
240 minute winter	35	156	7.235	0.555	5.8	0.0606	0.0000OK	3.010	36	3.0	0.034	0.001	9.4399
								Infiltration		1.5			
240 minute winter	36	156	7.233	0.725	3.5	0.0826	0.0000OK	3.011	37	1.2	0.458	0.005	0.9058
								Infiltration		2.3			
240 minute winter	37	160	6.661	0.166	1.7	0.0167	0.0000OK	3.012	38	1.6	0.034	0.001	5.0180
240 minute winter	38	160	6.661	0.390	4.4	0.0478	0.0000OK	3.013	39	-3.4	-0.075	-0.002	3.5299
								Infiltration		1.5			
								Infiltration		2.2			
240 minute winter	39	160	6.661	0.208	4.4	0.0246	0.0000OK	3.014	40	-3.6	-0.236	-0.002	1.0581
								Infiltration		0.6			
240 minute winter	40	124	6.716	0.021	3.8	0.0028	0.0000OK	3.015	41	-2.8	-0.281	-0.002	0.1415
								Infiltration		0.0			
240 minute winter	41	124	6.885	0.020	2.6	0.0024	0.0000OK	3.016	42	-2.0	-0.222	-0.001	0.1185
								Infiltration		0.0			
240 minute winter	42	124	7.100	0.015	2.1	0.0016	0.0000OK	3.017	43	-1.3	-0.145	-0.001	0.1149
								Infiltration		0.0			
240 minute winter	43	120	7.163	0.018	1.3	0.0022	0.0000OK	3.018	44	-0.5	-0.070	0.000	0.5694
								Infiltration		0.0			
240 minute winter	44	124	7.234	0.009	0.6	0.0011	0.0000OK	3.019	45	0.3	0.051	0.000	0.9720
240 minute winter	45	128	7.210	0.015	1.1	0.0016	0.0000OK	3.020	46	1.1	0.135	0.001	0.1045
								Infiltration		0.0			
240 minute winter	46	128	7.141	0.016	1.9	0.0019	0.0000OK	3.021	47	1.8	0.198	0.001	0.6512
								Infiltration		0.0			
240 minute winter	47	180	7.104	0.139	2.6	0.0167	0.0000OK	3.022	48	2.6	0.107	0.001	2.4082
								Infiltration		0.1			
240 minute winter	48	160	7.104	0.309	3.4	0.0371	0.0000OK	3.023	49	2.2	0.112	0.000	3.5126
								Infiltration		0.3			
240 minute winter	49	288	7.898	-0.101	857.4	0.5000	0.0000OK	Crifice	50	0.0			
								Infiltration		0.0			
240 minute winter	50	4	7.403	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
240 minute winter	51	4	7.300	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
240 minute winter	52	4	7.208	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
240 minute winter	53	180	7.104	0.319	3.0	0.0383	0.0000OK	3.024	54	1.7	0.117	0.001	5.1239
								Infiltration		0.3			
240 minute winter	54	180	7.104	0.479	2.4	0.0575	0.0000OK	3.025	54_OUT	0.7	0.037	0.000	8.4248
								Infiltration		0.4			
240 minute winter	54_OUT	180	7.104	0.593	1.5	0.0719	0.0000OK	Infiltration		0.5			

240 minute winter	55	176	8.730	0.384	2.4	0.0986	0.0000SURCHARGED	5.000	56	2.3	0.348	0.337	0.2948
240 minute winter	56	176	8.730	0.314	4.7	1.5188	0.0000SURCHARGED	5.001	57	3.7	0.395	0.298	0.3709
										Infiltration	0.3		
240 minute winter	57	178	8.729	0.419	6.1	2.3408	0.0000SURCHARGED	5.002	58	5.0	0.355	0.628	0.5462
										Infiltration	0.4		
240 minute winter	58	180	8.728	0.481	7.3	4.1742	0.0000SURCHARGED	5.003	59	5.8	0.339	0.785	0.3806
										Infiltration	0.7		
240 minute winter	59	184	8.725	0.520	8.1	3.3848	0.0000OK	5.004	60	4.9	0.684	0.007	18.5683
										Infiltration	0.5		
240 minute winter	60	184	8.725	0.540	7.2	0.1835	0.0000OK	5.005	61	1.9	0.058	0.002	27.3081
										Infiltration	0.8		
240 minute winter	61	184	8.725	0.559	3.9	0.2001	0.0000OK	5.006	62	0.9	0.455	0.058	0.6038
										Infiltration	1.1		
240 minute winter	62	208	8.293	0.154	2.9	0.0525	0.0000OK	5.007	63	2.2	0.672	0.001	17.4202
240 minute winter	63	208	8.290	0.454	4.8	0.1544	0.0000OK	5.008	63_OUT	-1.2	0.628	-0.001	11.9982
										Infiltration	1.0		
240 minute winter	63_OUT	212	8.290	0.525	2.4	0.1788	0.0000OK			Infiltration	0.5		
240 minute winter	64	228	6.678	0.483	1.1	0.5789	0.0000OK	6.000	65	0.4	0.653	0.000	5.5990
240 minute winter	65	228	6.678	0.553	1.7	0.0865	0.0000OK	6.001	66	0.3	0.650	0.000	7.3335
										Infiltration	0.2		
240 minute winter	66	228	6.678	0.585	1.5	0.0925	0.0000OK	6.002	67	-0.5	0.023	0.000	4.1234
										Infiltration	0.5		
240 minute winter	67	228	6.678	0.902	1.1	0.0934	0.0000OK	6.003	68	0.0	0.600	0.000	0.6000
										Infiltration	0.2		
240 minute winter	68	188	6.257	0.181	1.4	0.0260	0.0000OK	6.004	69	1.0	0.637	0.000	8.8365
240 minute winter	69	188	6.257	0.492	2.0	0.0787	0.0000OK	6.005	70	0.0	0.099	0.000	0.0000
										Infiltration	0.5		
240 minute winter	70	236	6.168	0.413	2.9	0.0681	0.0000OK	6.006	71	-2.2	0.042	-0.001	3.9179
240 minute winter	71	236	6.168	0.483	11.1	0.0773	0.0000OK	6.007	72	-19.4	0.135	-0.007	11.6806
										Infiltration	0.2		
240 minute winter	72	232	6.169	0.484	8.5	0.0774	0.0000OK	6.008	73	11.1	0.795	0.774	0.0311
										Infiltration	0.5		
240 minute winter	73	340	6.366	0.661	11.7	0.1058	0.0000OK	6.009	74	11.5	0.022	0.008	4.5898
240 minute winter	74	156	6.365	0.960	11.5	0.1057	0.0000OK	6.010	75	15.9	0.659	0.007	5.1990
										Infiltration	0.2		
240 minute winter	75	158	6.368	0.681	12.7	0.1058	0.0000OK	6.011	76	-12.7	0.034	-0.004	5.4050
										Infiltration	0.2		
240 minute winter	76	156	6.365	0.733	9.0	0.1114	0.0000OK	6.012	76_OUT	-5.0	-0.007	-0.003	5.4748
										Infiltration	0.2		
240 minute winter	76_OUT	158	6.367	0.732	4.1	0.1172	0.0000OK			Infiltration	0.2		

Results for 1000 year 360 minute summer. 600 minute analysis at 6 minute timestep. Mass balance: 87.85%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute summer	1	144	9.890	0.500	1.0	0.0000	0.0000	FLOOD RISK	1.000	2	-1.0	-0.032	-0.046	0.4853	
360 minute summer	2	144	9.890	0.550	2.0	0.0000	0.0000	FLOOD RISK	1.001	3	-2.0	-0.064	-0.101	1.1264	
360 minute summer	3	144	9.890	0.600	3.0	0.0000	0.0000	FLOOD RISK	1.002	4	-3.0	-0.424	-0.467	0.4980	
360 minute summer	4	144	9.890	0.700	12.4	0.0000	0.0000	FLOOD RISK	1.003	5	-12.4	-0.397	-0.538	0.8441	
360 minute summer	5	144	9.890	0.800	13.5	0.0000	0.0000	FLOOD RISK	1.004	6	-13.5	-0.432	-0.361	0.1621	
360 minute summer	6	144	9.890	0.900	51.7	22.4759	0.0000	FLOOD RISK	1.005	7	48.3	0.989	0.997	0.7798	
360 minute summer	7	144	9.890	1.050	73.4	11.3936	0.0000	FLOOD RISK	1.006	8	74.4	0.958	1.080	2.4923	
360 minute summer	8	144	9.890	1.250	128.1	19.7708	0.0000	FLOOD RISK	1.007	9	128.0	1.022	1.183	5.9239	
360 minute summer	9	144	9.890	1.450	215.8	28.5805	0.0000	FLOOD RISK	1.008	10	215.8	1.102	0.908	3.1360	
360 minute summer	10	144	9.890	1.590	231.5	5.2268	0.0000	FLOOD RISK	1.009	11	231.9	1.186	1.589	47.8813	
360 minute summer	11	152	9.890	1.800	231.9	0.0000	0.0000	FLOOD RISK	1.010	12	233.5	1.194	0.811	53.3278	
360 minute summer	12	56	7.750	1.000	233.5	0.0000	0.0000	FLOOD RISK	1.011	13	285.3	1.735	1.351	0.3453	
360 minute summer	13	184	8.722	0.222	285.3	0.0000	0.0000	OK	1.012	13_CUT	312.1	5.668	0.252	0.3984	
360 minute summer	13_CUT	192	8.081	0.548	312.1	0.0000	0.0000	OK	Flow through pond	49	388.4	0.038	0.000	3293.0468	
360 minute summer	14	152	9.890	0.500	3.0	0.0000	0.0000	FLOOD RISK	2.000	15	-3.0	-0.146	-0.099	0.8135	
360 minute summer	15	152	9.890	0.714	39.5	13.7209	0.0000	FLOOD RISK	2.001	16	37.7	0.771	0.778	0.9254	
360 minute summer	16	152	9.890	0.809	37.7	0.0000	0.0000	FLOOD RISK	2.002	17	38.1	0.780	0.774	0.6320	
360 minute summer	17	152	9.890	0.941	55.7	5.7885	0.0000	FLOOD RISK	2.003	18	56.9	0.731	0.729	1.8750	
360 minute summer	18	152	9.890	1.119	109.8	12.5897	0.0000	FLOOD RISK	2.004	19	101.8	0.813	0.809	5.4899	
360 minute summer	19	152	9.890	1.344	181.7	19.3888	0.0000	FLOOD RISK	2.005	20	178.1	0.910	0.903	4.0528	
360 minute summer	20	152	9.890	1.389	178.1	0.0000	0.0000	FLOOD RISK	2.006	21	178.4	1.036	0.902	3.4979	
360 minute summer	21	152	9.890	1.428	178.4	0.0000	0.0000	FLOOD RISK	2.007	22	178.8	0.984	0.300	3.7404	
360 minute summer	22	152	9.890	1.800	230.4	10.8781	0.0000	FLOOD RISK	2.008	23	228.0	1.189	0.794	53.3017	
360 minute summer	23	56	7.750	1.000	228.5	0.0000	0.0000	FLOOD RISK	2.009	24	397.8	2.732	2.026	0.3275	
360 minute summer	24	176	9.583	0.193	397.8	0.0000	0.0000	OK	2.010	24_CUT	254.4	8.568	0.206	0.3574	
360 minute summer	24_CUT	184	8.036	0.503	254.4	0.0000	0.0000	OK	Flow through pond	49	388.4	0.038	0.000	3293.0468	
360 minute summer	25	184	8.847	0.061	4.5	0.0328	0.0000	OK	3.000	26	4.5	0.627	0.249	0.2531	
360 minute summer	26	184	8.512	0.077	9.0	0.3926	0.0000	OK	3.001	27	8.1	0.858	0.512	0.3780	
									Infiltration		0.7				
360 minute summer	27	184	8.197	0.082	12.6	0.4244	0.0000	OK	3.002	28	11.5	1.118	0.568	0.3348	
									Infiltration		0.9				
360 minute summer	28	184	7.782	0.097	15.0	0.3150	0.0000	OK	3.003	29	15.1	1.257	0.841	0.4551	
									Infiltration		0.6				
360 minute summer	29	208	7.264	0.138	19.5	0.5724	0.0000	OK	3.004	30	18.9	1.449	0.678	0.1178	
									Infiltration		0.9				
360 minute summer	30	216	7.174	0.349	19.7	0.0419	0.0000	OK	3.005	31	18.2	0.156	0.008	7.4842	
360 minute summer	31	216	7.174	0.478	19.0	0.0575	0.0000	OK	3.006	32	14.1	0.116	0.008	7.0535	
									Infiltration		2.5				
360 minute summer	32	216	7.174	0.528	14.8	0.0835	0.0000	OK	3.007	33	8.9	0.059	0.008	6.2860	

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360 minute summer	57	248	8.572	0.262	5.8	1.9875	0.0000SURCHARGE	Infiltration	5.002	58	4.6	0.296	0.577	0.5462
360 minute summer	58	248	8.572	0.427	6.9	3.8500	0.0000SURCHARGE	Infiltration	5.003	59	5.4	0.305	0.723	0.3808
360 minute summer	59	248	8.571	0.488	7.6	3.0121	0.0000OK	Infiltration	5.004	60	4.5	0.081	0.008	18.1129
360 minute summer	60	248	8.571	0.488	6.8	0.1854	0.0000OK	Infiltration	5.005	61	1.5	0.041	0.002	20.4898
360 minute summer	61	248	8.571	0.535	3.6	0.1820	0.0000OK	Infiltration	5.008	62	0.0	0.000	0.000	0.0000
360 minute summer	62	248	8.245	0.198	2.8	0.0358	0.0000OK	Infiltration	5.007	63	2.3	0.058	0.001	14.2221
360 minute summer	63	248	8.244	0.408	5.1	0.1387	0.0000OK	Infiltration	5.008	63_OUT	-1.0	0.025	-0.001	10.5532
360 minute summer	63_OUT	248	8.244	0.479	2.4	0.1828	0.0000OK	Infiltration	5.009	65	0.4	0.042	0.000	4.7087
360 minute summer	64	272	8.521	0.438	1.1	0.0898	0.0000OK	Infiltration	8.001	66	0.2	0.042	0.000	8.2438
360 minute summer	65	272	8.521	0.498	1.8	0.0794	0.0000OK	Infiltration	8.002	67	-0.5	0.002	0.000	3.5308
360 minute summer	66	272	8.521	0.528	1.8	0.0834	0.0000OK	Infiltration	8.003	68	0.0	0.000	0.000	0.0000
360 minute summer	67	272	8.521	0.545	1.1	0.0845	0.0000OK	Infiltration	8.004	69	1.0	0.031	0.000	7.4478
360 minute summer	68	248	8.220	0.144	1.1	0.0224	0.0000OK	Infiltration	8.005	70	0.0	0.000	0.000	0.0000
360 minute summer	69	248	8.220	0.455	2.0	0.0727	0.0000OK	Infiltration	8.006	71	2.1	0.035	0.001	2.5808
360 minute summer	70	288	8.053	0.298	1.7	0.0477	0.0000OK	Infiltration	8.007	72	8.9	0.121	0.008	7.8284
360 minute summer	71	288	8.053	0.388	6.9	0.0588	0.0000OK	Infiltration	8.008	73	11.0	0.764	0.787	0.0300
360 minute summer	72	250	8.053	0.388	9.0	0.0588	0.0000OK	Infiltration	8.009	74	9.5	0.018	0.008	4.5777
360 minute summer	73	240	8.385	0.880	11.1	0.1058	0.0000OK	Infiltration	8.010	75	11.0	0.043	0.007	5.1733
360 minute summer	74	240	8.385	0.880	9.5	0.1055	0.0000OK	Infiltration	8.011	76	18.4	0.032	0.005	5.3847
360 minute summer	75	240	8.383	0.858	11.0	0.1053	0.0000OK	Infiltration	8.012	76_OUT	7.8	0.010	0.005	5.4378
360 minute summer	76	484	8.384	0.728	16.4	0.1108	0.0000OK	Infiltration	8.012	76_OUT	7.8	0.010	0.005	5.4378
360 minute summer	76_OUT	484	8.385	0.730	7.8	0.1168	0.0000OK	Infiltration	8.012	76_OUT	7.8	0.010	0.005	5.4378

Results for 1000 year 360 minute winter. 600 minute analysis at 6 minute timestep. Mass balance: 88.11%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
360 minute winter	1	120	9.800	0.500	0.4	0.0000	0.0000	FLOOD RISK	1.000	2	-0.4	-0.014	-0.020	0.4853	
360 minute winter	2	120	9.800	0.550	3.3	0.0000	0.0000	FLOOD RISK	1.001	3	-3.3	-0.104	-0.184	1.1284	
360 minute winter	3	120	9.800	0.650	5.7	0.0000	0.0000	FLOOD RISK	1.002	4	-5.7	-0.181	-0.268	0.4986	
360 minute winter	4	120	9.800	0.700	8.4	0.0000	0.0000	FLOOD RISK	1.003	5	-8.4	-0.264	-0.277	0.8441	
360 minute winter	5	120	9.800	0.800	7.7	0.0000	0.0000	FLOOD RISK	1.004	6	-7.7	-0.245	-0.266	0.1621	
360 minute winter	6	120	9.800	0.900	37.7	16.4335	0.0000	FLOOD RISK	1.005	7	37.2	0.780	0.787	0.7796	
360 minute winter	7	120	9.800	1.050	58.3	8.5359	0.0000	FLOOD RISK	1.006	8	58.4	0.751	0.832	2.4823	
360 minute winter	8	120	9.800	1.250	106.8	15.2819	0.0000	FLOOD RISK	1.007	9	101.1	0.808	0.935	5.9230	
360 minute winter	9	120	9.800	1.450	175.9	22.7084	0.0000	FLOOD RISK	1.008	10	171.2	0.875	0.722	3.1360	
360 minute winter	10	120	9.800	1.500	184.3	4.1830	0.0000	FLOOD RISK	1.009	11	184.3	0.942	1.247	47.8613	
360 minute winter	11	136	9.800	1.800	184.3	0.0000	0.0000	FLOOD RISK	1.010	12	185.5	0.949	0.844	51.3276	
360 minute winter	12	56	7.750	1.900	155.5	0.0000	0.0000	FLOOD RISK	1.011	13	210.8	1.480	1.072	0.3277	
360 minute winter	13	184	9.800	0.180	216.8	0.0000	0.0000	OK	1.012	13_OUT	240.3	5.515	0.194	0.3444	
360 minute winter	13_OUT	192	8.017	0.484	240.3	0.0000	0.0000	OK	Flow through pond	49	471.4	0.635	0.000	3739.3635	
360 minute winter	14	128	9.800	0.500	2.3	0.0000	0.0000	FLOOD RISK	2.000	15	-2.3	-0.074	-0.077	0.8136	
360 minute winter	15	128	9.800	0.714	28.7	10.1333	0.0000	FLOOD RISK	2.001	16	28.5	0.676	0.586	0.9254	
360 minute winter	16	128	9.800	0.809	28.5	0.0000	0.0000	FLOOD RISK	2.002	17	28.5	0.686	0.579	0.6320	
360 minute winter	17	128	9.800	0.941	43.0	4.4955	0.0000	FLOOD RISK	2.003	18	43.1	0.607	0.552	1.5750	
360 minute winter	18	136	9.800	1.119	78.5	10.9541	0.0000	FLOOD RISK	2.004	19	75.2	0.715	0.621	5.4890	
360 minute winter	19	136	9.800	1.344	139.7	15.9968	0.0000	FLOOD RISK	2.005	20	139.4	0.775	0.797	4.9628	
360 minute winter	20	136	9.800	1.389	139.4	0.0000	0.0000	FLOOD RISK	2.006	21	139.3	1.088	0.794	3.4979	
360 minute winter	21	136	9.800	1.428	139.3	0.0000	0.0000	FLOOD RISK	2.007	22	139.3	1.050	0.234	3.7404	
360 minute winter	22	136	9.800	1.800	179.0	9.4353	0.0000	FLOOD RISK	2.008	23	175.8	0.814	0.621	53.3017	
360 minute winter	23	48	7.750	1.000	178.8	0.0000	0.0000	FLOOD RISK	2.009	24	279.4	2.042	1.423	0.3195	
360 minute winter	24	200	9.679	0.179	279.4	0.0000	0.0000	OK	2.010	24_OUT	189.3	5.578	0.146	0.3047	
360 minute winter	24_OUT	208	7.802	0.448	189.3	0.0000	0.0000	OK	Flow through pond	49	471.4	0.635	0.000	3739.3635	
360 minute winter	25	184	8.839	0.043	3.2	0.0274	0.0000	OK	3.000	26	3.2	0.576	0.178	0.1980	
360 minute winter	26	184	8.498	0.063	0.4	0.2147	0.0000	OK	3.001	27	5.9	0.794	0.389	0.2950	
									Infiltration		0.5				
360 minute winter	27	192	8.183	0.088	9.1	0.2971	0.0000	OK	3.002	28	8.3	1.630	0.413	0.2630	
									Infiltration		0.7				
360 minute winter	28	184	7.768	0.073	11.5	0.2275	0.0000	OK	3.003	29	11.0	1.243	0.468	0.4038	
									Infiltration		0.5				
360 minute winter	29	216	7.190	0.125	14.2	0.4721	0.0000	OK	3.004	30	13.7	1.412	0.491	0.1131	
									Infiltration		0.8				
360 minute winter	30	224	7.170	0.345	14.3	0.9414	0.0000	OK	3.005	31	13.4	0.194	0.008	7.3753	
360 minute winter	31	224	7.170	0.475	14.0	0.9570	0.0000	OK	3.006	32	10.4	0.083	0.006	6.9654	
									Infiltration		2.5				

360 minute winter	32	224	7.170	0.525	11.0	0.0636	0.0000OK	3.007	33	0.3	0.048	0.004	8.2025
								Infiltration		1.9			
								Infiltration		2.1			
360 minute winter	33	224	7.170	0.395	8.6	0.0474	0.0000OK	3.008	34	5.7	0.182	0.004	4.9340
360 minute winter	34	224	7.170	0.425	6.3	0.0516	0.0000OK	3.009	35	3.6	0.155	0.002	4.3583
								Infiltration		1.7			
360 minute winter	35	224	7.170	0.485	4.4	0.0594	0.0000OK	3.010	36	2.1	0.035	0.001	8.1185
								Infiltration		1.4			
360 minute winter	36	224	7.170	0.685	2.7	0.0758	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		2.1			
360 minute winter	37	216	6.601	0.096	0.6	0.0115	0.0000OK	3.012	38	0.6	0.040	0.000	3.9854
360 minute winter	38	216	6.600	0.335	3.5	0.0403	0.0000OK	3.013	39	-2.8	-0.088	-0.002	2.6382
								Infiltration		1.3			
								Infiltration		1.9			
360 minute winter	39	216	6.600	0.145	3.3	0.0176	0.0000OK	3.014	40	-2.7	-0.218	-0.002	0.7026
								Infiltration		0.5			
360 minute winter	40	184	6.713	0.018	2.7	0.0022	0.0000OK	3.015	41	-2.1	-0.234	-0.001	0.1181
								Infiltration		0.0			
360 minute winter	41	184	6.882	0.017	2.1	0.0020	0.0000OK	3.016	42	-1.5	-0.198	-0.001	0.9989
								Infiltration		0.0			
360 minute winter	42	184	7.698	0.013	1.5	0.0015	0.0000OK	3.017	43	-0.9	-0.130	-0.001	0.0981
								Infiltration		0.0			
360 minute winter	43	184	7.161	0.016	1.0	0.0019	0.0000OK	3.018	44	-0.4	-0.083	0.000	0.6750
								Infiltration		0.0			
360 minute winter	44	184	7.232	0.007	0.6	0.0009	0.0000OK	3.019	45	0.2	0.040	0.000	0.9608
360 minute winter	45	182	7.207	0.012	0.8	0.0015	0.0000OK	3.020	46	0.8	0.120	0.000	0.9873
								Infiltration		0.0			
360 minute winter	46	192	7.138	0.014	1.4	0.0018	0.0000OK	3.021	47	1.4	0.177	0.000	0.6339
								Infiltration		0.0			
360 minute winter	47	256	7.101	0.138	2.0	0.0103	0.0000OK	3.022	48	2.0	0.692	0.001	2.3699
								Infiltration		0.1			
360 minute winter	48	256	7.101	0.308	2.6	0.0387	0.0000OK	3.023	49	1.7	0.099	0.002	3.4694
								Infiltration		0.3			
360 minute winter	49	392	7.935	-0.065	488.2	0.5000	0.0000OK	Crifice	50	0.0			
								Infiltration		0.0			
360 minute winter	50	8	7.400	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
360 minute winter	51	8	7.300	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
360 minute winter	52	8	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
360 minute winter	53	256	7.101	0.316	2.3	0.0079	0.0000OK	3.024	54	1.3	0.117	0.000	5.6735
								Infiltration		0.3			
360 minute winter	54	256	7.101	0.476	1.8	0.0571	0.0000OK	3.025	54_OUT	0.6	0.634	0.000	8.3597
								Infiltration		0.4			
360 minute winter	54_OUT	256	7.101	0.596	1.1	0.0715	0.0000OK	Infiltration		0.5			

360 minute winter	55	256	8.708	0.283	1.7	0.0894	0.0000SURCHARGED	5.000	56	1.8	0.308	0.221	0.2948
360 minute winter	56	256	8.708	0.283	3.3	1.4085	0.0000SURCHARGED	5.001	57	2.7	0.357	0.217	0.3709
								Infiltration		0.3			
360 minute winter	57	256	8.708	0.338	4.4	2.2055	0.0000SURCHARGED	5.002	58	3.5	0.398	0.454	0.5462
								Infiltration		0.4			
360 minute winter	58	264	8.707	0.482	5.3	3.9922	0.0000SURCHARGED	5.003	59	4.1	0.308	0.558	0.3806
								Infiltration		0.0			
360 minute winter	59	264	8.707	0.592	5.8	3.2805	0.0000OK	5.004	60	3.6	0.672	0.005	17.9418
								Infiltration		0.5			
360 minute winter	60	264	8.707	0.522	5.3	0.1774	0.0000OK	5.005	61	1.2	0.044	0.091	26.0114
								Infiltration		0.8			
360 minute winter	61	264	8.707	0.571	2.9	0.1841	0.0000OK	5.006	62	0.1	0.203	0.004	0.0008
								Infiltration		1.0			
360 minute winter	62	264	8.268	0.132	1.7	0.0456	0.0000OK	5.007	63	1.7	0.680	0.001	15.8488
360 minute winter	63	264	8.268	0.432	3.5	0.1498	0.0000OK	5.008	63_OUT	-0.7	0.024	0.000	11.1941
								Infiltration		0.9			
360 minute winter	63_OUT	284	8.268	0.503	1.7	0.1719	0.0000OK	Infiltration		0.5			
360 minute winter	64	288	6.667	0.482	0.8	0.5772	0.0000OK	6.000	65	0.3	0.048	0.000	5.4224
360 minute winter	65	288	6.667	0.542	1.2	0.0868	0.0000OK	6.001	66	0.2	0.042	0.000	7.1175
								Infiltration		0.2			
360 minute winter	66	288	6.667	0.574	1.1	0.0907	0.0000OK	6.002	67	-0.3	0.021	0.000	4.0081
								Infiltration		0.3			
360 minute winter	67	288	6.667	0.581	0.8	0.0917	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.2			
360 minute winter	68	264	6.247	0.171	0.9	0.0266	0.0000OK	6.004	69	0.7	0.022	0.000	8.3162
360 minute winter	69	264	6.247	0.482	1.4	0.0771	0.0000OK	6.005	70	0.0	0.099	0.000	0.0000
								Infiltration		0.5			
360 minute winter	70	296	6.147	0.382	2.0	0.0827	0.0000OK	6.006	71	3.0	0.050	0.001	3.6478
360 minute winter	71	296	6.147	0.482	6.8	0.0729	0.0000OK	6.007	72	11.5	0.087	0.008	10.9427
								Infiltration		0.2			
360 minute winter	72	296	6.148	0.483	11.5	0.0741	0.0000OK	6.008	73	11.2	0.794	0.776	0.0311
								Infiltration		0.5			
360 minute winter	73	344	6.366	0.661	11.8	0.1057	0.0000OK	6.009	74	11.8	0.017	0.008	4.5859
360 minute winter	74	344	6.365	0.660	11.8	0.1056	0.0000OK	6.010	75	10.6	0.043	0.007	5.1870
								Infiltration		0.2			
360 minute winter	75	344	6.365	0.660	10.5	0.1055	0.0000OK	6.011	76	9.4	0.034	0.003	5.3832
								Infiltration		0.2			
360 minute winter	76	344	6.365	0.730	8.4	0.1110	0.0000OK	6.012	76_OUT	-8.8	-0.011	-0.006	5.4511
								Infiltration		0.2			
360 minute winter	76_OUT	344	6.365	0.731	3.6	0.1168	0.0000OK	Infiltration		0.2			

Results for 1000 year 480 minute summer. 720 minute analysis at 6 minute timestep. Mass balance: 98.01%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute summer	1	192	9.890	0.500	1.7	0.0009	0.0000	FLOOD RISK	1.000	2	-1.7	-0.247	-0.077	0.4853	
480 minute summer	2	192	9.890	0.550	8.4	0.0500	0.0000	FLOOD RISK	1.001	3	-9.4	-0.253	-0.320	1.1264	
480 minute summer	3	192	9.890	0.650	8.1	0.0300	0.0000	FLOOD RISK	1.002	4	-8.1	-0.257	-0.381	0.4980	
480 minute summer	4	192	9.890	0.700	8.8	0.0009	0.0000	FLOOD RISK	1.003	5	-8.8	-0.289	-0.380	0.8441	
480 minute summer	5	192	9.890	0.800	9.4	0.0000	0.0000	FLOOD RISK	1.004	6	-9.4	-0.309	-0.251	0.1521	
480 minute summer	6	192	9.890	0.900	40.0	17.4677	0.0000	FLOOD RISK	1.005	7	40.2	0.822	0.830	0.7798	
480 minute summer	7	192	9.890	1.050	60.8	9.0432	0.0000	FLOOD RISK	1.006	8	61.9	0.795	0.881	2.4923	
480 minute summer	8	200	9.890	1.250	108.0	18.0909	0.0000	FLOOD RISK	1.007	9	104.9	0.838	0.970	5.9239	
480 minute summer	9	200	9.890	1.450	180.9	23.8130	0.0000	FLOOD RISK	1.008	10	179.6	0.918	0.758	3.1360	
480 minute summer	10	200	9.890	1.590	193.8	4.3796	0.0000	FLOOD RISK	1.009	11	193.6	0.990	1.311	47.8813	
480 minute summer	11	208	9.890	1.800	193.8	0.0000	0.0000	FLOOD RISK	1.010	12	194.2	0.993	0.875	53.3278	
480 minute summer	12	64	7.750	1.000	194.2	0.0000	0.0000	FLOOD RISK	1.011	13	318.1	2.192	1.620	0.3158	
480 minute summer	13	240	8.873	0.173	318.1	0.0000	0.0000	OK	1.012	13_CUT	210.0	6.221	0.170	0.3918	
480 minute summer	13_CUT	248	8.013	0.486	210.0	0.0000	0.0000	OK	Flow through pond	49	209.5	0.023	0.000	3510.8958	
480 minute summer	14	200	9.890	0.500	1.0	0.0000	0.0000	FLOOD RISK	2.000	15	-1.0	-0.056	-0.033	0.8135	
480 minute summer	15	200	9.890	0.714	30.5	10.9219	0.0000	FLOOD RISK	2.001	16	30.2	0.617	0.623	0.9254	
480 minute summer	16	208	9.890	0.809	30.2	0.0000	0.0000	FLOOD RISK	2.002	17	30.2	0.617	0.612	0.6320	
480 minute summer	17	208	9.890	0.941	45.8	4.7784	0.0000	FLOOD RISK	2.003	18	45.7	0.604	0.585	1.8750	
480 minute summer	18	208	9.890	1.119	83.6	10.6024	0.0000	FLOOD RISK	2.004	19	83.4	0.657	0.683	5.4899	
480 minute summer	19	208	9.890	1.344	148.7	18.7248	0.0000	FLOOD RISK	2.005	20	148.6	0.780	0.784	4.0528	
480 minute summer	20	208	9.890	1.389	148.8	0.0000	0.0000	FLOOD RISK	2.006	21	148.6	0.948	0.751	3.4979	
480 minute summer	21	208	9.890	1.428	148.8	0.0000	0.0000	FLOOD RISK	2.007	22	148.6	0.904	0.249	3.7404	
480 minute summer	22	208	9.890	1.800	190.8	9.7308	0.0000	FLOOD RISK	2.008	23	189.7	0.979	0.659	53.3017	
480 minute summer	23	64	7.750	1.000	189.7	0.0000	0.0000	FLOOD RISK	2.009	24	301.7	1.936	1.537	0.3275	
480 minute summer	24	248	9.582	0.192	301.7	0.0000	0.0000	OK	2.010	24_CUT	240.0	8.128	0.194	0.3247	
480 minute summer	24_CUT	240	8.016	0.483	240.0	0.0000	0.0000	OK	Flow through pond	49	239.5	0.023	0.000	3510.8958	
480 minute summer	25	248	8.840	0.044	3.4	0.0283	0.0000	OK	3.000	26	3.4	0.589	0.190	0.2071	
480 minute summer	26	248	8.501	0.066	6.8	0.2284	0.0000	OK	3.001	27	6.2	0.805	0.393	0.3692	
								Infiltration			0.8				
480 minute summer	27	248	8.185	0.070	9.6	0.3178	0.0000	OK	3.002	28	8.9	1.052	0.440	0.2759	
								Infiltration			0.8				
480 minute summer	28	248	7.770	0.075	12.3	0.2388	0.0000	OK	3.003	29	11.7	1.220	0.497	0.3456	
								Infiltration			0.5				
480 minute summer	29	248	7.151	0.088	15.1	0.2413	0.0000	OK	3.004	30	14.8	1.433	0.533	0.0953	
								Infiltration			0.8				
480 minute summer	30	280	7.127	0.302	15.4	0.0362	0.0000	OK	3.005	31	14.4	0.141	0.008	6.3072	
480 minute summer	31	280	7.127	0.432	15.0	0.0518	0.0000	OK	3.006	32	11.1	0.104	0.008	6.0978	
								Infiltration			2.3				
480 minute summer	32	280	7.127	0.482	11.7	0.0578	0.0000	OK	3.007	33	6.8	0.559	0.095	5.3828	

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480 minute summer	57	312	8.653	0.243	4.5	1.8347	0.0000SURCHARGE	Infiltration	5.002	58	3.7	0.289	0.458	0.5462
480 minute summer	58	312	8.652	0.467	5.5	3.4575	0.0000SURCHARGE	Infiltration	5.003	59	4.2	0.280	0.585	0.3908
480 minute summer	59	312	8.651	0.448	6.0	2.8724	0.0000OK	Infiltration	5.004	60	3.6	0.091	0.005	15.1219
480 minute summer	60	312	8.651	0.480	5.4	0.1586	0.0000OK	Infiltration	5.005	61	1.2	0.041	0.001	22.1368
480 minute summer	61	312	8.651	0.515	3.0	0.1753	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
480 minute summer	62	312	8.235	0.099	1.9	0.0336	0.0000OK	Infiltration	5.007	63	1.8	0.057	0.001	13.8188
480 minute summer	63	320	8.235	0.399	3.9	0.1358	0.0000OK	Infiltration	5.008	63_OUT	-0.8	0.025	0.000	10.0531
480 minute summer	63_OUT	320	8.235	0.470	1.8	0.1598	0.0000OK	Infiltration	5.009	64	0.4	0.042	0.000	4.5088
480 minute summer	64	336	8.608	0.423	0.9	0.0875	0.0000OK	Infiltration	5.010	65	0.2	0.042	0.000	5.9873
480 minute summer	65	336	8.608	0.483	1.3	0.0772	0.0000OK	Infiltration	5.011	66	0.2	0.002	0.000	3.3970
480 minute summer	66	336	8.608	0.515	1.3	0.0813	0.0000OK	Infiltration	5.012	67	0.0	0.000	0.000	0.0000
480 minute summer	67	336	8.608	0.532	0.9	0.0824	0.0000OK	Infiltration	5.013	68	0.0	0.000	0.000	0.0000
480 minute summer	68	312	8.209	0.133	1.0	0.0205	0.0000OK	Infiltration	5.014	69	0.7	0.031	0.000	7.1109
480 minute summer	69	312	8.209	0.444	1.6	0.0710	0.0000OK	Infiltration	5.015	70	0.0	0.000	0.000	0.0000
480 minute summer	70	312	8.033	0.276	1.2	0.0445	0.0000OK	Infiltration	5.016	71	2.6	0.035	0.001	2.3523
480 minute summer	71	312	8.033	0.348	5.4	0.0557	0.0000OK	Infiltration	5.017	72	9.8	0.147	0.007	7.2814
480 minute summer	72	312	8.033	0.348	9.9	0.0557	0.0000OK	Infiltration	5.018	73	10.7	0.780	0.747	0.0311
480 minute summer	73	480	8.367	0.862	10.8	0.1053	0.0000OK	Infiltration	5.019	74	9.1	0.016	0.006	4.5967
480 minute summer	74	480	8.365	0.961	9.3	0.1058	0.0000OK	Infiltration	5.020	75	10.3	0.043	0.007	5.1827
480 minute summer	75	480	8.365	0.880	10.5	0.1055	0.0000OK	Infiltration	5.021	76	9.3	0.032	0.003	5.3783
480 minute summer	76	480	8.365	0.730	9.5	0.1109	0.0000OK	Infiltration	5.022	76_OUT	3.8	0.006	0.003	5.4448
480 minute summer	76_OUT	480	8.365	0.730	4.0	0.1163	0.0000OK	Infiltration	5.023		0.2			

Results for 1000 year 480 minute winter. 720 minute analysis at 8 minute timestep. Mass balance: 88.16%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
480 minute winter	1	168	9.800	0.500	0.2	0.0000	0.0000	FLOOD RISK	1.000	2	-0.2	-0.007	-0.010	0.4853	
480 minute winter	2	168	9.800	0.550	4.0	0.0000	0.0000	FLOOD RISK	1.001	3	-4.0	-0.275	-0.202	1.1284	
480 minute winter	3	168	9.800	0.650	8.0	0.0000	0.0000	FLOOD RISK	1.002	4	-8.0	-0.277	-0.405	0.4988	
480 minute winter	4	168	9.800	0.700	9.2	0.0000	0.0000	FLOOD RISK	1.003	5	-9.2	-0.295	-0.402	0.8441	
480 minute winter	5	168	9.800	0.800	10.1	0.0000	0.0000	FLOOD RISK	1.004	6	-10.1	-0.321	-0.259	0.1621	
480 minute winter	6	168	9.800	0.900	29.8	13.1608	0.0000	FLOOD RISK	1.005	7	29.8	0.691	0.615	0.7796	
480 minute winter	7	176	9.800	1.050	48.8	6.8923	0.0000	FLOOD RISK	1.006	8	46.8	0.679	0.686	2.4823	
480 minute winter	8	176	9.800	1.250	80.9	12.8398	0.0000	FLOOD RISK	1.007	9	89.8	0.692	0.747	5.9230	
480 minute winter	9	176	9.800	1.450	137.4	19.5870	0.0000	FLOOD RISK	1.008	10	137.2	0.701	0.579	3.1360	
480 minute winter	10	176	9.800	1.500	147.8	3.8300	0.0000	FLOOD RISK	1.009	11	147.8	0.756	1.000	47.8613	
480 minute winter	11	182	9.800	1.800	147.8	0.0000	0.0000	FLOOD RISK	1.010	12	147.8	0.756	0.510	50.3276	
480 minute winter	12	84	7.750	1.900	147.8	0.0000	0.0000	FLOOD RISK	1.011	13	147.8	1.070	0.753	0.2833	
480 minute winter	13	248	9.815	0.115	147.8	0.0000	0.0000	OK	1.012	13_OUT	147.8	4.383	0.119	0.2030	
480 minute winter	13_OUT	512	7.968	0.433	147.8	0.0000	0.0000	OK	Flow through pond	49	378.1	0.633	0.000	3977.3274	
480 minute winter	14	184	9.800	0.500	1.0	0.0000	0.0000	FLOOD RISK	2.000	15	-1.0	-0.033	-0.035	0.8138	
480 minute winter	15	184	9.800	0.714	22.7	8.4314	0.0000	FLOOD RISK	2.001	16	22.7	0.619	0.488	0.9254	
480 minute winter	16	184	9.800	0.809	22.7	0.0000	0.0000	FLOOD RISK	2.002	17	22.7	0.622	0.480	0.6320	
480 minute winter	17	192	9.800	0.941	34.4	3.5913	0.0000	FLOOD RISK	2.003	18	34.3	0.622	0.439	1.6750	
480 minute winter	18	192	9.800	1.119	62.5	8.8925	0.0000	FLOOD RISK	2.004	19	62.5	0.670	0.497	5.4890	
480 minute winter	19	192	9.800	1.344	111.1	14.4958	0.0000	FLOOD RISK	2.005	20	111.1	0.716	0.563	4.0628	
480 minute winter	20	192	9.800	1.389	111.1	0.0000	0.0000	FLOOD RISK	2.006	21	111.1	1.096	0.561	3.4978	
480 minute winter	21	192	9.800	1.428	111.1	0.0000	0.0000	FLOOD RISK	2.007	22	111.1	0.982	0.186	3.7404	
480 minute winter	22	192	9.800	1.800	142.5	8.7917	0.0000	FLOOD RISK	2.008	23	142.5	0.728	0.495	53.3017	
480 minute winter	23	64	7.750	1.000	142.5	0.0000	0.0000	FLOOD RISK	2.009	24	142.5	1.035	0.726	0.2825	
480 minute winter	24	248	9.813	0.113	142.5	0.0000	0.0000	OK	2.010	24_OUT	142.5	4.318	0.115	0.1975	
480 minute winter	24_OUT	512	7.968	0.433	142.5	0.0000	0.0000	OK	Flow through pond	49	378.1	0.633	0.000	3977.3274	
480 minute winter	25	248	8.835	0.039	2.6	0.0247	0.0000	OK	3.000	26	2.6	0.548	0.145	0.1697	
480 minute winter	26	248	8.491	0.068	5.2	0.1743	0.0000	OK	3.001	27	4.7	0.753	0.298	0.2510	
									Infiltration		0.5				
480 minute winter	27	248	8.175	0.080	7.3	0.2371	0.0000	OK	3.002	28	6.7	0.978	0.333	0.2047	
									Infiltration		0.6				
480 minute winter	28	248	7.789	0.064	9.3	0.1841	0.0000	OK	3.003	29	8.6	1.205	0.375	0.2758	
									Infiltration		0.4				
480 minute winter	29	240	7.137	0.072	11.4	0.1755	0.0000	OK	3.004	30	11.1	1.348	0.400	0.6844	
									Infiltration		0.4				
480 minute winter	30	288	7.108	0.283	11.6	0.9338	0.0000	OK	3.005	31	11.1	0.151	0.005	5.8505	
480 minute winter	31	288	7.108	0.413	11.6	0.0495	0.0000	OK	3.006	32	8.6	0.693	0.006	5.7245	
									Infiltration		2.2				

480 minute winter	32	296	7.108	0.483	9.1	0.0555	0.0000OK	3.007	33	5.0	0.058	0.003	5.0358
								Infiltration		1.7			
								Infiltration		1.9			
480 minute winter	33	298	7.108	0.333	5.5	0.0399	0.0000OK	3.008	34	4.7	0.157	0.003	3.9628
480 minute winter	34	298	7.108	0.383	5.2	0.0435	0.0000OK	3.009	35	3.2	0.159	0.001	3.5291
								Infiltration		1.5			
480 minute winter	35	298	7.108	0.433	3.7	0.0519	0.0000OK	3.010	36	1.8	0.035	0.001	6.5484
								Infiltration		1.2			
480 minute winter	36	298	7.108	0.603	2.3	0.0667	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.9			
480 minute winter	37	264	6.553	0.048	0.5	0.0058	0.0000OK	3.012	38	0.5	0.040	0.000	2.7835
480 minute winter	38	264	6.553	0.268	3.1	0.0348	0.0000OK	3.013	39	-2.3	-0.088	-0.002	2.0170
								Infiltration		1.1			
								Infiltration		1.6			
480 minute winter	39	264	6.553	0.098	2.7	0.0118	0.0000OK	3.014	40	-2.2	-0.218	-0.001	0.4597
								Infiltration		0.3			
480 minute winter	40	248	6.711	0.018	2.3	0.0019	0.0000OK	3.015	41	-1.8	-0.218	-0.001	0.1053
								Infiltration		0.0			
480 minute winter	41	248	6.880	0.015	1.8	0.0018	0.0000OK	3.016	42	-1.3	-0.185	-0.001	0.0882
								Infiltration		0.0			
480 minute winter	42	248	7.698	0.011	1.3	0.0014	0.0000OK	3.017	43	-0.8	-0.121	-0.001	0.0859
								Infiltration		0.0			
480 minute winter	43	248	7.158	0.014	0.8	0.0017	0.0000OK	3.018	44	-0.3	-0.059	0.000	0.0671
								Infiltration		0.0			
480 minute winter	44	248	7.232	0.007	0.5	0.0008	0.0000OK	3.019	45	0.2	0.043	0.000	0.0543
480 minute winter	45	248	7.208	0.011	0.7	0.0013	0.0000OK	3.020	46	0.7	0.112	0.000	0.0778
								Infiltration		0.0			
480 minute winter	46	248	7.137	0.012	1.2	0.0015	0.0000OK	3.021	47	1.1	0.185	0.000	0.4887
								Infiltration		0.0			
480 minute winter	47	320	7.075	0.110	1.8	0.0132	0.0000OK	3.022	48	1.6	0.677	0.001	2.0278
								Infiltration		0.1			
480 minute winter	48	320	7.075	0.280	2.1	0.0336	0.0000OK	3.023	49	1.4	0.098	0.002	3.0735
								Infiltration		0.2			
480 minute winter	49	538	7.980	-0.040	421.3	0.0000	0.0000OK	Crifice	50	0.0			
								Infiltration		0.0			
480 minute winter	50	8	7.400	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
480 minute winter	51	8	7.300	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
480 minute winter	52	8	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
480 minute winter	53	320	7.075	0.290	1.9	0.0348	0.0000OK	3.024	54	1.0	0.117	0.000	4.5083
								Infiltration		0.3			
480 minute winter	54	320	7.075	0.450	1.5	0.0540	0.0000OK	3.025	54_OUT	0.5	0.034	0.000	7.7519
								Infiltration		0.4			
480 minute winter	54_OUT	320	7.075	0.570	1.0	0.0884	0.0000OK	Infiltration		0.5			

480 minute winter	55	328	8.686	0.240	1.4	0.0815	0.0000SURCHARGED	5.009	56	1.3	0.298	0.177	0.2949
480 minute winter	56	344	8.885	0.269	2.7	1.2815	0.0000SURCHARGED	5.001	57	2.2	0.348	0.174	0.3799
								Infiltration		0.3			
480 minute winter	57	344	8.685	0.375	3.6	2.0512	0.0000SURCHARGED	5.002	58	2.9	0.293	0.361	0.5462
								Infiltration		0.4			
480 minute winter	58	336	8.684	0.439	4.3	3.7716	0.0000SURCHARGED	5.003	59	3.2	0.279	0.436	0.3806
								Infiltration		0.0			
480 minute winter	59	336	8.684	0.479	4.6	3.1003	0.0000OK	5.004	60	2.8	0.661	0.004	16.7502
								Infiltration		0.5			
480 minute winter	60	336	8.684	0.499	4.2	0.1697	0.0000OK	5.005	61	1.0	0.041	0.001	24.3756
								Infiltration		0.7			
480 minute winter	61	336	8.684	0.548	2.4	0.1883	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		1.0			
480 minute winter	62	344	8.257	0.121	1.4	0.0410	0.0000OK	5.007	63	1.4	0.655	0.001	15.9548
480 minute winter	63	344	8.256	0.420	3.0	0.1428	0.0000OK	5.008	63_OUT	-0.5	0.023	0.000	10.7886
								Infiltration		0.9			
480 minute winter	63_OUT	344	8.256	0.491	1.4	0.1671	0.0000OK	Infiltration		0.5			
480 minute winter	64	368	8.660	0.475	0.8	0.0759	0.0000OK	6.000	65	0.3	0.048	0.000	5.2898
480 minute winter	65	368	8.660	0.535	0.9	0.0855	0.0000OK	6.001	66	0.2	0.042	0.000	6.9673
								Infiltration		0.2			
480 minute winter	66	368	8.660	0.587	0.8	0.0895	0.0000OK	6.002	67	-0.2	0.021	0.000	1.9246
								Infiltration		0.3			
480 minute winter	67	368	8.660	0.584	0.8	0.0905	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.2			
480 minute winter	68	344	6.238	0.180	0.7	0.0248	0.0000OK	6.004	69	0.5	0.022	0.000	7.9563
480 minute winter	69	344	6.238	0.471	1.1	0.0754	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.4			
480 minute winter	70	376	6.133	0.378	2.3	0.0605	0.0000OK	6.006	71	-2.3	0.050	-0.001	3.4789
480 minute winter	71	376	6.133	0.448	6.5	0.0717	0.0000OK	6.007	72	9.5	0.127	0.006	10.4543
								Infiltration		0.2			
480 minute winter	72	376	6.133	0.448	9.5	0.0716	0.0000OK	6.008	73	10.5	0.074	0.737	0.0310
								Infiltration		0.5			
480 minute winter	73	488	6.366	0.661	10.8	0.1057	0.0000OK	6.009	74	9.3	0.018	0.006	4.5891
480 minute winter	74	488	6.366	0.661	9.3	0.1057	0.0000OK	6.010	75	9.9	0.043	0.007	5.1916
								Infiltration		0.2			
480 minute winter	75	528	6.368	0.661	9.9	0.1057	0.0000OK	6.011	76	19.5	0.034	0.008	5.4065
								Infiltration		0.2			
480 minute winter	76	528	6.367	0.732	19.8	0.1112	0.0000OK	6.012	76_OUT	9.5	0.012	0.006	5.4881
								Infiltration		0.2			
480 minute winter	76_OUT	528	6.367	0.732	9.5	0.1171	0.0000OK	Infiltration		0.2			

Results for 1000 year 600 minute summer. 640 minute analysis at 15 minute timestep. Mass balance: 98.07%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute summer	1	255	9.890	0.500	1.6	0.0003	0.0000	FLOOD RISK	1.000	2	-1.6	-0.089	-0.074	0.4853	
600 minute summer	2	255	9.890	0.550	5.7	0.0500	0.0000	FLOOD RISK	1.001	3	-5.7	-0.193	-0.285	1.1264	
600 minute summer	3	255	9.890	0.630	7.2	0.0300	0.0000	FLOOD RISK	1.002	4	-7.2	-0.229	-0.339	0.4980	
600 minute summer	4	255	9.890	0.700	7.8	0.0003	0.0000	FLOOD RISK	1.003	5	-7.8	-0.249	-0.338	0.8441	
600 minute summer	5	255	9.890	0.800	8.4	0.0000	0.0000	FLOOD RISK	1.004	6	-8.4	-0.287	-0.224	0.1621	
600 minute summer	6	255	9.890	0.960	32.2	14.2348	0.0000	FLOOD RISK	1.005	7	31.8	0.650	0.655	0.7798	
600 minute summer	7	255	9.890	1.050	50.4	7.5274	0.0000	FLOOD RISK	1.006	8	50.2	0.645	0.716	2.4923	
600 minute summer	8	255	9.890	1.250	87.5	13.8899	0.0000	FLOOD RISK	1.007	9	87.3	0.698	0.807	5.9233	
600 minute summer	9	255	9.890	1.450	148.5	20.6984	0.0000	FLOOD RISK	1.008	10	148.3	0.758	0.626	3.1360	
600 minute summer	10	255	9.890	1.590	159.8	3.8278	0.0000	FLOOD RISK	1.009	11	159.9	0.817	1.082	47.8813	
600 minute summer	11	270	9.890	1.800	159.8	0.0000	0.0000	FLOOD RISK	1.010	12	159.8	0.817	0.555	53.3278	
600 minute summer	12	90	7.750	1.000	159.8	0.0000	0.0000	FLOOD RISK	1.011	13	159.8	1.148	0.814	0.2857	
600 minute summer	13	315	8.820	0.120	159.8	0.0000	0.0000	OK	1.012	13_CUT	159.8	4.483	0.129	0.2148	
600 minute summer	13_CUT	315	7.931	0.397	159.8	0.0000	0.0000	OK	Flow through pond	49	214.7	0.020	0.000	3885.4248	
600 minute summer	14	270	9.890	0.500	2.2	0.0000	0.0000	FLOOD RISK	2.000	15	-2.2	-0.137	-0.073	0.8135	
600 minute summer	15	270	9.890	0.714	24.6	3.0818	0.0000	FLOOD RISK	2.001	16	24.6	0.571	0.507	0.9254	
600 minute summer	16	270	9.890	0.809	24.6	0.0000	0.0000	FLOOD RISK	2.002	17	24.6	0.573	0.499	0.6320	
600 minute summer	17	270	9.890	0.941	37.3	4.1258	0.0000	FLOOD RISK	2.003	18	37.3	0.568	0.477	1.8750	
600 minute summer	18	270	9.890	1.119	67.9	9.3485	0.0000	FLOOD RISK	2.004	19	67.8	0.611	0.539	5.4893	
600 minute summer	19	270	9.890	1.344	120.5	15.0880	0.0000	FLOOD RISK	2.005	20	120.4	0.627	0.611	4.0528	
600 minute summer	20	270	9.890	1.389	120.4	0.0000	0.0000	FLOOD RISK	2.006	21	120.4	0.883	0.609	3.4979	
600 minute summer	21	270	9.890	1.423	120.4	0.0000	0.0000	FLOOD RISK	2.007	22	120.4	0.852	0.202	3.7404	
600 minute summer	22	255	9.890	1.800	154.4	9.0517	0.0000	FLOOD RISK	2.008	23	154.4	0.799	0.538	53.3017	
600 minute summer	23	75	7.750	1.000	154.4	0.0000	0.0000	FLOOD RISK	2.009	24	154.4	1.113	0.787	0.2849	
600 minute summer	24	315	9.517	0.117	154.4	0.0000	0.0000	OK	2.010	24_CUT	154.4	4.420	0.125	0.2092	
600 minute summer	24_CUT	600	7.928	0.395	154.4	0.0000	0.0000	OK	Flow through pond	49	214.7	0.020	0.000	3885.4248	
600 minute summer	25	315	8.835	0.040	2.8	0.0250	0.0000	OK	3.000	26	2.8	0.558	0.198	0.1793	
600 minute summer	26	315	8.494	0.059	5.8	0.1875	0.0000	OK	3.001	27	5.1	0.797	0.322	0.2960	
									Infiltration		0.5				
600 minute summer	27	315	8.170	0.083	7.9	0.2571	0.0000	OK	3.002	28	7.2	1.009	0.358	0.2363	
									Infiltration		0.7				
600 minute summer	28	315	7.781	0.095	10.0	0.1945	0.0000	OK	3.003	29	8.6	1.158	0.406	0.2963	
									Infiltration		0.5				
600 minute summer	29	315	7.141	0.078	12.4	0.1849	0.0000	OK	3.004	30	12.0	1.412	0.433	0.0854	
									Infiltration		0.4				
600 minute summer	30	345	7.079	0.254	12.5	0.0304	0.0000	OK	3.005	31	11.9	0.138	0.005	5.1825	
600 minute summer	31	345	7.078	0.383	12.4	0.0463	0.0000	OK	3.006	32	9.2	0.085	0.005	5.1754	
									Infiltration		2.1				
600 minute summer	32	345	7.078	0.433	9.7	0.0520	0.0000	OK	3.007	33	5.5	0.553	0.094	4.5141	

									Infiltration			1.7		
									Infiltration			1.8		
600 minute summer	33	345	7.078	0.303	8.0	0.0384	0.0000OK	3.008	34	5.0	0.147	0.004	3.4508	
600 minute summer	34	345	7.078	0.333	5.5	0.0400	0.0000OK	3.009	35	3.4	0.145	0.001	3.1837	
									Infiltration			1.4		
600 minute summer	35	345	7.078	0.403	3.9	0.0484	0.0000OK	3.010	36	1.9	0.027	0.001	6.2828	
									Infiltration			1.2		
600 minute summer	36	345	7.078	0.573	2.4	0.0554	0.0000OK	3.011	37	0.6	0.000	0.000	0.0000	
									Infiltration			1.9		
600 minute summer	37	330	6.545	0.040	0.5	0.0048	0.0000OK	3.012	38	0.5	0.023	0.000	2.6290	
600 minute summer	38	330	6.545	0.280	3.1	0.0336	0.0000OK	3.013	39	-2.2	-0.007	-0.001	1.9128	
									Infiltration			1.1		
									Infiltration			1.0		
600 minute summer	39	330	6.545	0.080	2.7	0.0108	0.0000OK	3.014	40	-2.2	-0.201	-0.001	0.4161	
									Infiltration			0.3		
600 minute summer	40	315	6.711	0.016	2.3	0.0018	0.0000OK	3.015	41	-1.8	-0.218	-0.001	0.1053	
									Infiltration			0.0		
600 minute summer	41	315	6.880	0.016	1.8	0.0018	0.0000OK	3.016	42	-1.3	-0.185	-0.001	0.0882	
									Infiltration			0.0		
600 minute summer	42	315	7.080	0.011	1.3	0.0014	0.0000OK	3.017	43	-0.8	-0.121	-0.001	0.0859	
									Infiltration			0.0		
600 minute summer	43	315	7.159	0.014	0.8	0.0017	0.0000OK	3.018	44	-0.3	-0.058	0.000	0.0671	
									Infiltration			0.0		
600 minute summer	44	315	7.232	0.007	0.5	0.0008	0.0000OK	3.019	45	0.2	0.043	0.000	0.0543	
600 minute summer	45	315	7.209	0.011	0.7	0.0013	0.0000OK	3.020	46	0.7	0.112	0.000	0.0779	
									Infiltration			0.0		
600 minute summer	46	315	7.137	0.012	1.2	0.0015	0.0000OK	3.021	47	1.1	0.194	0.000	0.3606	
									Infiltration			0.0		
600 minute summer	47	390	7.047	0.082	1.5	0.0090	0.0000OK	3.022	48	1.6	0.079	0.000	1.6996	
									Infiltration			0.1		
600 minute summer	48	390	7.047	0.252	2.1	0.0303	0.0000OK	3.023	53	1.4	0.085	0.002	2.6779	
									Infiltration			0.2		
600 minute summer	49	840	7.925	-0.075	300.8	0.0000	0.0000OK	Onfile	50	0.0				
									Infiltration			0.0		
600 minute summer	50	15	7.400	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000	
600 minute summer	51	15	7.200	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000	
600 minute summer	52	15	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000	
600 minute summer	53	390	7.047	0.262	1.9	0.0315	0.0000OK	3.024	54	1.0	0.117	0.000	4.1363	
									Infiltration			0.3		
600 minute summer	54	390	7.047	0.422	1.5	0.0507	0.0000OK	3.025	54_CUT	0.6	0.032	0.000	7.1358	
									Infiltration			0.3		
600 minute summer	54_CUT	390	7.047	0.542	0.9	0.0651	0.0000OK	Infiltration		0.5				
600 minute summer	55	375	6.826	0.180	1.5	0.0512	0.0000SURCHARGE D	5.000	56	1.4	0.303	0.189	0.2849	
600 minute summer	56	375	6.826	0.210	2.8	0.0813	0.0000SURCHARGE D	5.001	57	2.2	0.333	0.178	0.3706	

600 minute summer	67	390	8.625	0.215	3.7	1.6531	0.0000SURCHARGE	Infiltration	5.002	68	3.0	0.276	0.377	0.5462
600 minute summer	68	390	8.625	0.380	4.5	3.1985	0.0000SURCHARGE	Infiltration	5.003	69	3.4	0.270	0.480	0.3908
600 minute summer	69	390	8.625	0.420	4.9	2.6864	0.0000OK	Infiltration	5.004	70	2.8	0.058	0.004	13.8439
600 minute summer	70	390	8.625	0.440	4.4	0.1495	0.0000OK	Infiltration	5.005	71	1.0	0.030	0.001	20.3762
600 minute summer	71	390	8.625	0.488	2.5	0.1682	0.0000OK	Infiltration	5.008	72	0.0	0.000	0.000	0.0000
600 minute summer	72	390	8.220	0.084	1.5	0.0287	0.0000OK	Infiltration	5.007	73	1.4	0.051	0.001	12.8821
600 minute summer	73	390	8.220	0.384	3.2	0.1308	0.0000OK	Infiltration	5.008	73_OUT	-0.4	0.018	0.000	9.5582
600 minute summer	73_OUT	390	8.220	0.456	1.5	0.1548	0.0000OK	Infiltration	5.009	74	0.0	0.000	0.000	0.0000
600 minute summer	74	405	8.622	0.437	6.7	0.0898	0.0000OK	Infiltration	5.000	75	0.3	0.040	0.000	4.7213
600 minute summer	75	405	8.622	0.487	1.0	0.0795	0.0000OK	Infiltration	5.001	76	0.2	0.023	0.000	8.2584
600 minute summer	76	405	8.622	0.529	1.0	0.0836	0.0000OK	Infiltration	5.002	77	-0.3	0.002	0.000	3.5391
600 minute summer	77	405	8.622	0.548	0.7	0.0848	0.0000OK	Infiltration	5.003	78	0.0	0.000	0.000	0.0000
600 minute summer	78	390	8.215	0.139	0.7	0.0215	0.0000OK	Infiltration	5.004	79	0.6	0.018	0.000	7.3193
600 minute summer	79	390	8.215	0.451	1.2	0.0721	0.0000OK	Infiltration	5.005	70	0.0	0.000	0.000	0.0000
600 minute summer	70	420	8.058	0.303	1.2	0.0484	0.0000OK	Infiltration	5.006	71	2.2	0.023	0.001	2.6110
600 minute summer	71	420	8.058	0.373	4.7	0.0595	0.0000OK	Infiltration	5.007	72	9.0	0.038	0.006	7.9758
600 minute summer	72	420	8.055	0.371	9.1	0.0594	0.0000OK	Infiltration	5.008	73	10.7	0.778	0.747	0.0310
600 minute summer	73	615	8.364	0.859	10.8	0.1055	0.0000OK	Infiltration	5.009	74	9.0	0.018	0.006	4.5757
600 minute summer	74	615	8.365	0.860	9.1	0.1055	0.0000OK	Infiltration	5.010	75	7.8	0.042	0.005	5.1789
600 minute summer	75	615	8.364	0.859	7.1	0.1054	0.0000OK	Infiltration	5.011	76	5.0	0.021	0.002	5.3764
600 minute summer	76	615	8.365	0.730	5.1	0.1109	0.0000OK	Infiltration	5.012	76_OUT	2.2	0.004	0.001	5.4477
600 minute summer	76_OUT	615	8.360	0.731	2.3	0.1169	0.0000OK	Infiltration	5.013	77	0.2	0.000	0.000	0.0000

Results for 1000 year 600 minute winter. 640 minute analysis at 15 minute timestep. Mass balance: 98.35%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
600 minute winter	1	240	9.800	0.500	0.9	0.0000	0.0000	FLOOD RISK	1.000	2	-0.9	-0.027	-0.039	0.4853	
600 minute winter	2	240	9.800	0.550	1.8	0.0000	0.0000	FLOOD RISK	1.001	3	-1.8	-0.053	-0.083	1.1284	
600 minute winter	3	240	9.800	0.650	2.3	0.0000	0.0000	FLOOD RISK	1.002	4	-2.3	-0.074	-0.110	0.4988	
600 minute winter	4	240	9.800	0.700	3.5	0.0000	0.0000	FLOOD RISK	1.003	5	-3.5	-0.112	-0.152	0.8441	
600 minute winter	5	240	9.800	0.800	4.1	0.0000	0.0000	FLOOD RISK	1.004	6	-4.1	-0.131	-0.110	0.1621	
600 minute winter	6	240	9.800	0.900	24.7	11.0422	0.0000	FLOOD RISK	1.005	7	24.7	0.647	0.509	0.7796	
600 minute winter	7	240	9.800	1.050	38.9	5.9828	0.0000	FLOOD RISK	1.006	8	38.9	0.637	0.553	2.4923	
600 minute winter	8	240	9.800	1.250	67.3	11.2332	0.0000	FLOOD RISK	1.007	9	67.3	0.647	0.622	5.9230	
600 minute winter	9	240	9.800	1.450	114.2	17.4764	0.0000	FLOOD RISK	1.008	10	114.2	0.621	0.482	3.1360	
600 minute winter	10	240	9.800	1.500	123.0	3.2550	0.0000	FLOOD RISK	1.009	11	123.0	0.628	0.832	47.8613	
600 minute winter	11	270	9.800	1.800	123.0	0.0000	0.0000	FLOOD RISK	1.010	12	123.0	0.647	0.427	53.3276	
600 minute winter	12	90	7.750	1.900	123.0	0.0000	0.0000	FLOOD RISK	1.011	13	123.0	0.908	0.626	0.2782	
600 minute winter	13	315	9.800	0.100	123.0	0.0000	0.0000	OK	1.012	13_OUT	123.0	4.138	0.099	0.1781	
600 minute winter	13_OUT	615	7.988	0.453	123.0	0.0000	0.0000	OK	Flow through pond	49	254.7	0.623	0.000	4157.2090	
600 minute winter	14	255	9.800	0.500	3.7	0.0000	0.0000	FLOOD RISK	2.000	15	-3.7	-0.108	-0.124	0.8130	
600 minute winter	15	255	9.800	0.714	18.6	7.2051	0.0000	FLOOD RISK	2.001	16	18.6	0.586	0.388	0.9254	
600 minute winter	16	255	9.800	0.809	18.6	0.0000	0.0000	FLOOD RISK	2.002	17	18.6	0.586	0.380	0.6320	
600 minute winter	17	255	9.800	0.941	26.5	3.4487	0.0000	FLOOD RISK	2.003	18	26.5	0.588	0.305	1.6750	
600 minute winter	18	255	9.800	1.119	51.9	8.9281	0.0000	FLOOD RISK	2.004	19	51.9	0.634	0.412	5.4890	
600 minute winter	19	270	9.800	1.344	92.2	13.3431	0.0000	FLOOD RISK	2.005	20	92.2	0.871	0.468	4.9628	
600 minute winter	20	270	9.800	1.389	92.2	0.0000	0.0000	FLOOD RISK	2.006	21	92.2	0.943	0.468	3.4979	
600 minute winter	21	270	9.800	1.428	92.2	0.0000	0.0000	FLOOD RISK	2.007	22	92.2	0.928	0.155	3.7404	
600 minute winter	22	270	9.800	1.800	118.2	8.2806	0.0000	FLOOD RISK	2.008	23	118.2	0.604	0.410	53.3017	
600 minute winter	23	75	7.750	1.000	118.2	0.0000	0.0000	FLOOD RISK	2.009	24	118.2	0.674	0.602	0.2774	
600 minute winter	24	315	9.800	0.103	118.2	0.0000	0.0000	OK	2.010	24_OUT	118.2	4.689	0.096	0.1730	
600 minute winter	24_OUT	615	7.988	0.453	118.2	0.0000	0.0000	OK	Flow through pond	49	254.7	0.623	0.000	4157.2090	
600 minute winter	25	315	8.831	0.035	2.1	0.0221	0.0000	OK	3.000	26	2.1	0.516	0.117	0.1450	
600 minute winter	26	315	8.485	0.060	4.2	0.1419	0.0000	OK	3.001	27	3.8	0.711	0.240	0.2134	
									Infiltration		0.4				
600 minute winter	27	315	8.168	0.053	5.9	0.1907	0.0000	OK	3.002	28	5.4	0.924	0.266	0.1892	
									Infiltration		0.5				
600 minute winter	28	315	7.751	0.056	7.5	0.1496	0.0000	OK	3.003	29	7.1	1.125	0.300	0.2312	
									Infiltration		0.4				
600 minute winter	29	300	7.127	0.062	9.2	0.1370	0.0000	OK	3.004	30	8.9	1.308	0.319	0.5782	
									Infiltration		0.3				
600 minute winter	30	360	7.044	0.219	9.3	0.9263	0.0000	OK	3.005	31	8.9	0.155	0.004	4.4420	
600 minute winter	31	360	7.044	0.349	9.3	0.0419	0.0000	OK	3.006	32	7.0	0.085	0.004	4.5619	
									Infiltration		2.0				

600 minute winter	32	360	7.644	0.399	7.4	0.0479	0.0000OK	3.007	33	3.9	0.043	0.000	3.9388
								Infiltration		1.5			
								Infiltration		1.7			
600 minute winter	33	360	7.644	0.289	4.3	0.0323	0.0000OK	3.008	34	3.6	0.147	0.000	2.9484
600 minute winter	34	360	7.644	0.299	4.2	0.0359	0.0000OK	3.009	35	2.6	0.158	0.001	2.7586
								Infiltration		1.3			
600 minute winter	35	360	7.644	0.369	3.0	0.0443	0.0000OK	3.010	36	1.8	0.027	0.000	5.6489
								Infiltration		1.1			
600 minute winter	36	360	7.644	0.539	2.0	0.0615	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.8			
600 minute winter	37	330	6.522	0.017	0.4	0.0021	0.0000OK	3.012	38	0.4	0.023	0.000	2.2316
600 minute winter	38	330	6.522	0.267	2.7	0.0309	0.0000OK	3.013	39	-2.0	-0.087	-0.001	1.6402
								Infiltration		1.0			
								Infiltration		1.5			
600 minute winter	39	330	6.522	0.087	2.2	0.0081	0.0000OK	3.014	40	-1.6	-0.201	-0.001	0.3116
								Infiltration		0.2			
600 minute winter	40	315	6.708	0.014	1.8	0.0017	0.0000OK	3.015	41	-1.4	-0.200	-0.001	0.6918
								Infiltration		0.0			
600 minute winter	41	300	6.878	0.013	1.4	0.0016	0.0000OK	3.016	42	-1.0	-0.168	-0.001	0.6793
								Infiltration		0.0			
600 minute winter	42	300	7.695	0.010	1.0	0.0012	0.0000OK	3.017	43	-0.6	-0.111	0.000	0.6746
								Infiltration		0.0			
600 minute winter	43	300	7.157	0.012	0.8	0.0015	0.0000OK	3.018	44	-0.2	-0.054	0.000	0.6685
								Infiltration		0.0			
600 minute winter	44	300	7.231	0.006	0.4	0.0007	0.0000OK	3.019	45	0.2	0.038	0.000	0.9473
600 minute winter	45	315	7.205	0.010	0.6	0.0012	0.0000OK	3.020	46	0.5	0.103	0.000	0.9676
								Infiltration		0.0			
600 minute winter	46	315	7.136	0.011	0.9	0.0013	0.0000OK	3.021	47	0.9	0.151	0.000	0.4014
								Infiltration		0.0			
600 minute winter	47	420	7.058	0.091	1.3	0.0108	0.0000OK	3.022	48	1.3	0.674	0.000	1.7931
								Infiltration		0.1			
600 minute winter	48	420	7.668	0.281	1.7	0.0313	0.0000OK	3.023	49	1.1	0.082	0.001	2.7996
								Infiltration		0.2			
600 minute winter	49	840	7.977	-0.020	301.1	0.5000	0.0000OK	Crifice	50	0.0			
								Infiltration		0.0			
600 minute winter	50	15	7.403	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
600 minute winter	51	15	7.300	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
600 minute winter	52	15	7.208	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
600 minute winter	53	420	7.056	0.271	1.5	0.0325	0.0000OK	3.024	54	0.9	0.117	0.000	4.2814
								Infiltration		0.3			
600 minute winter	54	420	7.058	0.431	1.3	0.0517	0.0000OK	3.025	54_OUT	0.6	0.632	0.000	7.3256
								Infiltration		0.3			
600 minute winter	54_OUT	420	7.656	0.551	0.8	0.0661	0.0000OK	Infiltration		0.5			

600 minute winter	55	420	8.671	0.225	1.1	0.0786	0.0000SURCHARGED	5.000	56	1.1	0.288	0.144	0.2948
600 minute winter	56	420	8.671	0.255	2.2	1.2042	0.0000SURCHARGED	5.001	57	1.7	0.333	0.138	0.3709
								Infiltration		0.3			
600 minute winter	57	420	8.671	0.381	2.8	1.9558	0.0000SURCHARGED	5.002	58	2.3	0.390	0.252	0.5462
								Infiltration		0.4			
600 minute winter	58	420	8.670	0.425	3.4	3.0327	0.0000SURCHARGED	5.003	59	2.5	0.279	0.334	0.3806
								Infiltration		0.0			
600 minute winter	59	420	8.670	0.465	3.6	2.9995	0.0000OK	5.004	60	2.2	0.660	0.003	16.0218
								Infiltration		0.5			
600 minute winter	60	420	8.670	0.485	3.3	0.1645	0.0000OK	5.005	61	0.9	0.036	0.001	23.3746
								Infiltration		0.7			
600 minute winter	61	420	8.670	0.504	2.0	0.1814	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		1.0			
600 minute winter	62	420	8.250	0.114	1.1	0.0368	0.0000OK	5.007	63	1.1	0.653	0.001	14.8307
600 minute winter	63	420	8.250	0.414	2.3	0.1406	0.0000OK	5.008	63_OUT	-0.4	0.021	0.000	10.5742
								Infiltration		0.9			
600 minute winter	63_OUT	420	8.250	0.455	1.1	0.1650	0.0000OK						
								Infiltration		0.5			
600 minute winter	64	435	6.850	0.465	0.5	0.0744	0.0000OK	6.000	65	0.2	0.041	0.000	5.1538
600 minute winter	65	435	6.850	0.525	0.7	0.0840	0.0000OK	6.001	66	0.1	0.039	0.000	6.7885
								Infiltration		0.2			
600 minute winter	66	435	6.650	0.557	0.7	0.0986	0.0000OK	6.002	67	-0.2	-0.002	0.000	3.8274
								Infiltration		0.3			
600 minute winter	67	435	6.850	0.574	0.5	0.0890	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
600 minute winter	68	420	6.227	0.151	0.5	0.0234	0.0000OK	6.004	69	0.5	0.028	0.000	7.8690
600 minute winter	69	420	6.227	0.482	1.0	0.0738	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.4			
600 minute winter	70	450	6.117	0.362	1.8	0.0579	0.0000OK	6.006	71	-1.5	0.034	-0.001	3.2797
600 minute winter	71	450	6.118	0.431	6.4	0.0690	0.0000OK	6.007	72	-6.3	-0.056	-0.004	9.8701
								Infiltration		0.2			
600 minute winter	72	450	6.118	0.431	5.0	0.0688	0.0000OK	6.008	73	10.9	0.777	0.757	0.0284
								Infiltration		0.5			
600 minute winter	73	860	6.363	0.658	10.8	0.1053	0.0000OK	6.009	74	5.8	0.018	0.006	4.5637
600 minute winter	74	860	6.364	0.859	10.0	0.1054	0.0000OK	6.010	75	-9.9	0.043	-0.007	5.1738
								Infiltration		0.2			
600 minute winter	75	560	6.364	0.859	6.3	0.1055	0.0000OK	6.011	76	-8.2	0.030	-0.002	5.3747
								Infiltration		0.2			
600 minute winter	76	860	6.364	0.729	4.1	0.1109	0.0000OK	6.012	76_OUT	2.8	0.005	0.002	5.4392
								Infiltration		0.2			
600 minute winter	76_OUT	560	6.364	0.729	2.6	0.1167	0.0000OK						
								Infiltration		0.2			

Results for 1000 year 720 minute summer. 960 minute analysis at 15 minute timestep. Mass balance: 98.13%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute summer	1	315	9.890	0.500	2.0	0.0000	0.0000	FLOOD RISK	1.000	2	-2.0	-0.091	-0.093	0.4853	
720 minute summer	2	315	9.890	0.550	4.4	0.0500	0.0000	FLOOD RISK	1.001	3	-4.4	-0.142	-0.220	1.1264	
720 minute summer	3	315	9.890	0.650	5.2	0.0900	0.0000	FLOOD RISK	1.002	4	-5.2	-0.165	-0.244	0.4980	
720 minute summer	4	315	9.890	0.700	5.6	0.0000	0.0000	FLOOD RISK	1.003	5	-5.6	-0.179	-0.244	0.8441	
720 minute summer	5	315	9.890	0.800	6.1	0.0000	0.0000	FLOOD RISK	1.004	6	-6.1	-0.195	-0.163	0.1621	
720 minute summer	6	315	9.890	0.900	28.3	12.5180	0.0000	FLOOD RISK	1.005	7	28.3	0.602	0.579	0.7798	
720 minute summer	7	315	9.890	1.050	44.4	5.8891	0.0000	FLOOD RISK	1.006	8	44.3	0.591	0.831	2.4923	
720 minute summer	8	315	9.890	1.250	77.0	12.3532	0.0000	FLOOD RISK	1.007	9	76.9	0.614	0.711	5.9230	
720 minute summer	9	315	9.890	1.450	130.7	18.9491	0.0000	FLOOD RISK	1.008	10	130.6	0.687	0.551	3.1360	
720 minute summer	10	315	9.890	1.590	140.7	3.5168	0.0000	FLOOD RISK	1.009	11	140.6	0.718	0.952	47.8613	
720 minute summer	11	345	9.890	1.800	140.8	0.0000	0.0000	FLOOD RISK	1.010	12	140.6	0.718	0.488	53.3278	
720 minute summer	12	90	7.750	1.000	140.8	0.0000	0.0000	FLOOD RISK	1.011	13	140.6	1.023	0.716	0.2819	
720 minute summer	13	375	8.812	0.112	140.8	0.0000	0.0000	OK	1.012	13_OUT	140.6	4.301	0.114	0.1958	
720 minute summer	13_OUT	785	7.945	0.412	140.8	0.0000	0.0000	OK	Flow through pond	49	170.8	0.017	0.000	3798.8304	
720 minute summer	14	330	9.890	0.500	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	0.3	0.009	0.010	0.8135	
720 minute summer	15	330	9.890	0.714	21.5	8.0707	0.0000	FLOOD RISK	2.001	16	21.0	0.537	0.445	0.9254	
720 minute summer	16	330	9.890	0.809	21.5	0.0000	0.0000	FLOOD RISK	2.002	17	21.6	0.540	0.438	0.6320	
720 minute summer	17	330	9.890	0.941	32.7	3.7807	0.0000	FLOOD RISK	2.003	18	32.7	0.550	0.418	1.8750	
720 minute summer	18	330	9.890	1.119	59.6	8.6395	0.0000	FLOOD RISK	2.004	19	59.6	0.561	0.473	5.4890	
720 minute summer	19	345	9.890	1.344	105.8	14.1578	0.0000	FLOOD RISK	2.005	20	105.8	0.595	0.538	4.0528	
720 minute summer	20	345	9.890	1.389	105.8	0.0000	0.0000	FLOOD RISK	2.006	21	105.8	0.837	0.535	3.4979	
720 minute summer	21	345	9.890	1.428	105.8	0.0000	0.0000	FLOOD RISK	2.007	22	105.8	0.818	0.178	3.7404	
720 minute summer	22	345	9.890	1.800	135.6	8.6450	0.0000	FLOOD RISK	2.008	23	135.0	0.693	0.471	53.3017	
720 minute summer	23	90	7.750	1.000	135.6	0.0000	0.0000	FLOOD RISK	2.009	24	135.6	0.989	0.690	0.2810	
720 minute summer	24	375	9.510	0.110	135.6	0.0000	0.0000	OK	2.010	24_OUT	135.6	4.258	0.110	6.1906	
720 minute summer	24_OUT	785	7.945	0.412	135.6	0.0000	0.0000	OK	Flow through pond	49	170.8	0.017	0.000	3798.8304	
720 minute summer	25	375	8.833	0.037	2.4	0.0237	0.0000	OK	3.000	26	2.4	0.539	0.134	0.1600	
720 minute summer	26	375	8.488	0.054	4.8	0.1812	0.0000	OK	3.001	27	4.4	0.737	0.275	0.2363	
								Infiltration			0.4				
720 minute summer	27	375	8.172	0.057	6.6	0.2187	0.0000	OK	3.002	28	6.2	0.959	0.306	0.2097	
								Infiltration			0.6				
720 minute summer	28	375	7.758	0.091	8.8	0.1865	0.0000	OK	3.003	29	8.2	1.133	0.346	0.2582	
								Infiltration			0.4				
720 minute summer	29	360	7.135	0.068	10.5	0.1597	0.0000	OK	3.004	30	10.2	1.382	0.368	0.0781	
								Infiltration			0.4				
720 minute summer	30	405	7.048	0.221	10.7	0.0295	0.0000	OK	3.005	31	10.2	0.138	0.004	4.4885	
720 minute summer	31	405	7.045	0.350	10.7	0.0429	0.0000	OK	3.006	32	7.9	0.081	0.004	4.5840	
								Infiltration			2.0				
720 minute summer	32	405	7.045	0.490	8.4	0.0480	0.0000	OK	3.007	33	4.5	0.048	0.003	3.9595	

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720 minute summer	57	450	8.614	0.304	3.2	1.5756	0.0000SURCHARGE	Infiltration	5.002	58	2.6	0.289	0.321	0.5462
720 minute summer	58	450	8.613	0.368	3.9	3.0817	0.0000SURCHARGE	Infiltration	5.003	59	2.9	0.272	0.389	0.3908
720 minute summer	59	450	8.612	0.407	4.2	2.5994	0.0000OK	Infiltration	5.004	60	2.5	0.048	0.004	13.2651
720 minute summer	60	450	8.612	0.427	3.8	0.1453	0.0000OK	Infiltration	5.005	61	0.9	0.030	0.001	19.5776
720 minute summer	61	450	8.612	0.476	2.2	0.1629	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
720 minute summer	62	485	8.214	0.078	1.3	0.0265	0.0000OK	Infiltration	5.007	63	1.3	0.044	0.001	12.2954
720 minute summer	63	485	8.214	0.378	2.8	0.1298	0.0000OK	Infiltration	5.008	63_OUT	-0.3	0.018	0.000	9.5615
720 minute summer	63_OUT	485	8.214	0.449	1.3	0.1527	0.0000OK	Infiltration	5.009	64	0.3	0.040	0.000	4.2346
720 minute summer	64	480	8.589	0.404	0.8	0.0845	0.0000OK	Infiltration	5.000	65	0.2	0.023	0.000	5.6593
720 minute summer	65	480	8.589	0.464	0.9	0.0742	0.0000OK	Infiltration	5.002	67	-0.2	0.002	0.000	3.2128
720 minute summer	67	480	8.589	0.513	0.6	0.0785	0.0000OK	Infiltration	5.003	68	0.0	0.000	0.000	0.0000
720 minute summer	68	450	8.191	0.115	0.8	0.0175	0.0000OK	Infiltration	5.004	69	0.5	0.018	0.000	6.1647
720 minute summer	69	485	8.191	0.426	1.1	0.0681	0.0000OK	Infiltration	5.005	70	0.0	0.000	0.000	0.0000
720 minute summer	70	485	8.012	0.257	0.6	0.0411	0.0000OK	Infiltration	5.006	71	0.4	0.023	0.000	2.1332
720 minute summer	71	485	8.012	0.327	1.0	0.0523	0.0000OK	Infiltration	5.007	72	0.2	0.009	0.000	5.6384
720 minute summer	72	485	8.012	0.327	0.8	0.0523	0.0000OK	Infiltration	5.008	73	0.0	0.000	0.000	0.0125
720 minute summer	73	480	8.296	0.591	0.8	0.0945	0.0000OK	Infiltration	5.009	74	0.3	0.016	0.000	3.8553
720 minute summer	74	480	8.296	0.591	0.9	0.0945	0.0000OK	Infiltration	5.010	75	0.2	0.042	0.000	4.3633
720 minute summer	75	480	8.296	0.591	0.8	0.0945	0.0000OK	Infiltration	5.011	76	0.3	0.021	0.000	4.5848
720 minute summer	76	480	8.296	0.661	0.8	0.1004	0.0000OK	Infiltration	5.012	76_OUT	-0.1	0.004	0.000	4.6487
720 minute summer	76_OUT	480	8.296	0.661	0.8	0.1057	0.0000OK	Infiltration	5.013		0.2			

Results for 1000 year 720 minute winter, 960 minute analysis at 15 minute timestep. Mass balance: 98.28%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
720 minute winter	1	300	9.800	0.500	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.005	-0.007	0.4853	
720 minute winter	2	300	9.800	0.550	0.0	0.0000	0.0000	FLOOD RISK	1.001	3	-0.0	-0.018	-0.020	1.1284	
720 minute winter	3	300	9.800	0.650	0.0	0.0000	0.0000	FLOOD RISK	1.002	4	-0.0	-0.018	-0.027	0.4980	
720 minute winter	4	300	9.800	0.700	4.2	0.0000	0.0000	FLOOD RISK	1.003	5	-4.2	-0.235	-0.151	0.8441	
720 minute winter	5	300	9.800	0.800	5.7	0.0000	0.0000	FLOOD RISK	1.004	6	-5.7	-0.183	-0.151	0.1621	
720 minute winter	6	300	9.800	0.900	21.3	9.7419	0.0000	FLOOD RISK	1.005	7	21.3	0.623	0.439	0.7796	
720 minute winter	7	300	9.800	1.050	33.8	5.3822	0.0000	FLOOD RISK	1.006	8	33.8	0.600	0.478	2.4923	
720 minute winter	8	300	9.800	1.250	58.2	10.2427	0.0000	FLOOD RISK	1.007	9	58.2	0.615	0.538	5.9230	
720 minute winter	9	300	9.800	1.450	88.7	16.1717	0.0000	FLOOD RISK	1.008	10	88.6	0.595	0.416	3.1360	
720 minute winter	10	300	9.800	1.500	106.2	3.0219	0.0000	FLOOD RISK	1.009	11	106.2	0.602	0.719	47.8913	
720 minute winter	11	345	9.800	1.800	106.2	0.0000	0.0000	FLOOD RISK	1.010	12	106.2	0.576	0.369	53.3276	
720 minute winter	12	90	7.750	1.900	106.2	0.0000	0.0000	FLOOD RISK	1.011	13	106.2	0.792	0.541	0.2748	
720 minute winter	13	375	9.598	0.988	106.2	0.0000	0.0000	OK	1.012	13_OUT	106.2	3.882	0.089	0.1608	
720 minute winter	13_OUT	720	0.002	0.488	106.2	0.0000	0.0000	OK	Flow through pond	49	268.6	0.623	0.000	4306.8877	
720 minute winter	14	330	9.800	0.500	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	0.7	0.022	0.023	0.8136	
720 minute winter	15	330	9.800	0.714	16.3	6.4236	0.0000	FLOOD RISK	2.001	16	16.3	0.555	0.336	0.9254	
720 minute winter	16	330	9.800	0.809	16.3	0.0000	0.0000	FLOOD RISK	2.002	17	16.3	0.558	0.331	0.6320	
720 minute winter	17	330	9.800	0.941	24.7	3.1602	0.0000	FLOOD RISK	2.003	18	24.7	0.580	0.319	1.6750	
720 minute winter	18	330	9.800	1.119	44.9	7.4670	0.0000	FLOOD RISK	2.004	19	44.9	0.608	0.357	5.4890	
720 minute winter	19	345	9.800	1.344	79.7	12.5876	0.0000	FLOOD RISK	2.005	20	79.7	0.830	0.404	4.0620	
720 minute winter	20	345	9.800	1.389	79.7	0.0000	0.0000	FLOOD RISK	2.006	21	79.7	0.896	0.400	3.4979	
720 minute winter	21	345	9.800	1.428	79.7	0.0000	0.0000	FLOOD RISK	2.007	22	79.7	0.889	0.134	3.7404	
720 minute winter	22	345	9.800	1.800	102.2	7.8586	0.0000	FLOOD RISK	2.008	23	102.2	0.578	0.355	53.3017	
720 minute winter	23	90	7.750	1.000	102.2	0.0000	0.0000	FLOOD RISK	2.009	24	102.2	0.765	0.520	0.2739	
720 minute winter	24	375	9.598	0.988	102.2	0.0000	0.0000	OK	2.010	24_OUT	102.2	3.917	0.083	0.1562	
720 minute winter	24_OUT	735	0.002	0.489	102.2	0.0000	0.0000	OK	Flow through pond	49	268.6	0.623	0.000	4306.8877	
720 minute winter	25	360	8.828	0.032	1.6	0.0206	0.0000	OK	3.000	26	1.6	0.496	0.100	0.1293	
720 minute winter	26	390	8.481	0.948	3.8	0.1224	0.0000	OK	3.001	27	3.2	0.682	0.204	0.1834	
									Infiltration		0.4				
720 minute winter	27	360	0.164	0.049	5.0	0.1630	0.0000	OK	3.002	28	4.5	0.864	0.225	0.1680	
									Infiltration		0.5				
720 minute winter	28	390	7.747	0.052	6.3	0.1258	0.0000	OK	3.003	29	8.0	1.082	0.256	0.2079	
									Infiltration		0.3				
720 minute winter	29	360	7.123	0.058	7.8	0.1212	0.0000	OK	3.004	30	7.5	1.273	0.271	0.5583	
									Infiltration		0.3				
720 minute winter	30	420	6.993	0.188	7.8	0.0202	0.0000	OK	3.005	31	7.7	0.139	0.093	3.4221	
720 minute winter	31	420	6.993	0.298	8.0	0.0357	0.0000	OK	3.006	32	8.0	0.085	0.090	3.7088	
									Infiltration		1.7				

720 minute winter	32	420	6.993	0.348	0.3	0.0417	0.0000OK	3.007	33	3.3	0.038	0.000	3.1408
								Infiltration		1.4			
								Infiltration		1.5			
720 minute winter	33	420	6.993	0.218	3.6	0.0251	0.0000OK	3.008	34	3.3	0.154	0.002	2.2590
720 minute winter	34	420	6.993	0.248	3.6	0.0297	0.0000OK	3.009	35	2.3	0.149	0.001	2.1916
								Infiltration		1.2			
720 minute winter	35	420	6.993	0.318	2.8	0.0381	0.0000OK	3.010	36	1.4	0.027	0.000	4.7638
								Infiltration		1.0			
720 minute winter	36	420	6.993	0.488	1.7	0.0556	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.6			
720 minute winter	37	330	6.511	0.008	0.3	0.0007	0.0000OK	3.012	38	0.3	0.023	0.000	1.7128
720 minute winter	38	435	6.480	0.215	2.2	0.0258	0.0000OK	3.013	39	-1.8	-0.087	-0.001	1.1730
								Infiltration		0.9			
								Infiltration		1.3			
720 minute winter	39	435	6.480	0.025	1.6	0.0030	0.0000OK	3.014	40	-1.3	-0.201	-0.001	0.1309
								Infiltration		0.1			
720 minute winter	40	330	6.707	0.012	1.3	0.0014	0.0000OK	3.015	41	-1.0	-0.179	-0.001	0.6785
								Infiltration		0.0			
720 minute winter	41	330	6.878	0.011	1.1	0.0013	0.0000OK	3.016	42	-0.8	-0.151	-0.001	0.8642
								Infiltration		0.0			
720 minute winter	42	315	7.693	0.008	0.8	0.0016	0.0000OK	3.017	43	-0.5	-0.099	0.000	0.9627
								Infiltration		0.0			
720 minute winter	43	315	7.158	0.010	0.6	0.0012	0.0000OK	3.018	44	-0.2	-0.048	0.000	0.6491
								Infiltration		0.0			
720 minute winter	44	315	7.230	0.005	0.3	0.0006	0.0000OK	3.019	45	0.1	0.035	0.000	0.9390
720 minute winter	45	330	7.203	0.008	0.4	0.0016	0.0000OK	3.020	46	0.4	0.092	0.000	0.9567
								Infiltration		0.0			
720 minute winter	46	330	7.134	0.009	0.7	0.0011	0.0000OK	3.021	47	0.7	0.135	0.000	0.3204
								Infiltration		0.0			
720 minute winter	47	495	7.038	0.074	1.0	0.0068	0.0000OK	3.022	48	1.0	0.079	0.000	1.5809
								Infiltration		0.1			
720 minute winter	48	495	7.039	0.244	1.3	0.0292	0.0000OK	3.023	49	0.9	0.095	0.001	2.5572
								Infiltration		0.2			
720 minute winter	49	870	7.995	-0.065	308.5	0.5000	0.0000OK	Crifice	50	0.0			
								Infiltration		0.0			
720 minute winter	50	15	7.400	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
720 minute winter	51	15	7.300	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
720 minute winter	52	15	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
720 minute winter	53	495	7.038	0.254	1.2	0.0304	0.0000OK	3.024	54	0.7	0.117	0.000	3.8922
								Infiltration		0.3			
720 minute winter	54	495	7.038	0.414	1.0	0.0490	0.0000OK	3.025	54_OUT	0.6	0.032	0.000	0.9457
								Infiltration		0.3			
720 minute winter	54_OUT	495	7.038	0.534	0.7	0.0840	0.0000OK	Infiltration		0.5			

720 minute winter	55	480	8.637	0.191	1.0	0.0648	0.0000SURCHARGED	5.000	56	0.0	0.277	0.126	0.2949
720 minute winter	56	480	8.636	0.220	1.9	1.9183	0.0000SURCHARGED	5.001	57	1.5	0.318	0.119	0.3709
720 minute winter	57	480	8.638	0.326	2.5	1.7245	0.0000SURCHARGED	5.002	58	2.0	0.271	0.244	0.5462
720 minute winter	58	480	8.635	0.390	3.0	3.2979	0.0000SURCHARGED	5.003	59	2.1	0.279	0.285	0.3806
720 minute winter	59	480	8.635	0.430	3.1	2.7562	0.0000OK	5.004	60	1.9	0.660	0.003	14.3176
720 minute winter	60	480	8.635	0.450	2.9	0.1529	0.0000OK	5.005	61	0.7	0.033	0.001	21.0291
720 minute winter	61	480	8.635	0.489	1.7	0.1898	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
720 minute winter	62	480	8.231	0.095	1.0	0.0322	0.0000OK	5.007	63	1.0	0.651	0.000	13.3392
720 minute winter	63	495	8.231	0.395	2.1	0.1342	0.0000OK	5.008	63_OUT	0.3	0.015	0.000	9.9037
720 minute winter	63_OUT	495	8.231	0.468	1.0	0.1583	0.0000OK						
720 minute winter	64	510	8.826	0.441	0.5	0.6705	0.0000OK	6.000	65	0.2	0.041	0.000	4.7803
720 minute winter	65	510	6.628	0.501	0.7	0.0801	0.0000OK	6.001	66	0.1	0.039	0.000	6.3308
720 minute winter	66	510	6.628	0.533	0.7	0.0842	0.0000OK	6.002	67	-0.2	-0.002	0.000	3.5785
720 minute winter	67	510	6.626	0.550	0.5	0.0652	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
720 minute winter	68	480	6.208	0.130	0.5	0.0201	0.0000OK	6.004	69	0.4	0.029	0.000	7.9129
720 minute winter	69	480	6.208	0.441	0.9	0.0705	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
720 minute winter	70	525	6.068	0.314	1.1	0.0502	0.0000OK	6.006	71	1.5	0.034	0.001	2.7329
720 minute winter	71	525	6.068	0.384	4.7	0.0614	0.0000OK	6.007	72	6.8	-0.071	0.005	8.3343
720 minute winter	72	525	6.068	0.383	8.6	0.0613	0.0000OK	6.008	73	10.7	0.781	0.746	0.0257
720 minute winter	73	645	6.367	0.662	10.7	0.1059	0.0000OK	6.009	74	9.1	0.018	0.009	4.6039
720 minute winter	74	645	6.367	0.662	9.1	0.1059	0.0000OK	6.010	75	-5.7	0.043	-0.009	5.2098
720 minute winter	75	545	6.368	0.681	10.6	0.1058	0.0000OK	6.011	76	-9.9	0.030	-0.003	5.3955
720 minute winter	76	450	6.367	0.732	5.5	0.1112	0.0000OK	6.012	76_OUT	-5.4	-0.008	-0.004	5.4705
720 minute winter	76_OUT	450	6.367	0.732	2.0	0.1172	0.0000OK						

Results for 1000 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 98.28%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute summer	1	435	9.890	0.500	0.5	0.0003	0.0000	FLOOD RISK	1.000	2	-0.5	-0.013	-0.021	0.4853	
960 minute summer	2	435	9.890	0.550	0.9	0.0000	0.0000	FLOOD RISK	1.001	3	-0.9	-0.030	-0.047	1.1264	
960 minute summer	3	435	9.890	0.650	1.3	0.0000	0.0000	FLOOD RISK	1.002	4	-1.3	-0.043	-0.063	0.4980	
960 minute summer	4	435	9.890	0.700	2.8	0.0000	0.0000	FLOOD RISK	1.003	5	-2.8	-0.157	-0.123	0.8441	
960 minute summer	5	435	9.890	0.800	4.1	0.0000	0.0000	FLOOD RISK	1.004	6	-4.1	-0.137	-0.110	0.1621	
960 minute summer	6	435	9.890	0.900	22.7	10.2593	0.0000	FLOOD RISK	1.005	7	22.6	0.582	0.467	0.7798	
960 minute summer	7	435	9.890	1.050	35.7	5.8144	0.0000	FLOOD RISK	1.006	8	35.7	0.550	0.508	2.4923	
960 minute summer	8	450	9.890	1.250	61.9	10.6485	0.0000	FLOOD RISK	1.007	9	61.8	0.554	0.572	5.9233	
960 minute summer	9	450	9.890	1.450	104.9	18.7664	0.0000	FLOOD RISK	1.008	10	104.9	0.538	0.442	3.1360	
960 minute summer	10	450	9.890	1.590	113.0	3.1174	0.0000	FLOOD RISK	1.009	11	113.0	0.378	0.785	47.8813	
960 minute summer	11	485	9.890	1.800	113.0	0.0000	0.0000	FLOOD RISK	1.010	12	113.0	0.632	0.392	53.3278	
960 minute summer	12	120	7.750	1.000	113.0	0.0000	0.0000	FLOOD RISK	1.011	13	113.0	0.838	0.575	0.2761	
960 minute summer	13	485	9.801	0.101	113.0	0.0000	0.0000	OK	1.012	13_CUT	113.0	4.035	0.091	0.1677	
960 minute summer	13_CUT	375	7.972	0.439	113.0	0.0000	0.0000	OK	Flow through pond	49	158.1	0.013	0.000	4065.5007	
960 minute summer	14	485	9.890	0.500	0.7	0.0000	0.0000	FLOOD RISK	2.000	15	-0.7	-0.025	-0.024	0.8135	
960 minute summer	15	485	9.890	0.714	17.3	8.7382	0.0000	FLOOD RISK	2.001	16	17.3	0.503	0.357	0.9254	
960 minute summer	16	485	9.890	0.809	17.3	0.0000	0.0000	FLOOD RISK	2.002	17	17.3	0.506	0.351	0.6320	
960 minute summer	17	485	9.890	0.941	26.2	3.2758	0.0000	FLOOD RISK	2.003	18	26.2	0.506	0.335	1.8750	
960 minute summer	18	485	9.890	1.119	47.7	7.6941	0.0000	FLOOD RISK	2.004	19	47.7	0.538	0.379	5.4893	
960 minute summer	19	485	9.890	1.344	84.7	12.8944	0.0000	FLOOD RISK	2.005	20	84.7	0.552	0.429	4.0528	
960 minute summer	20	485	9.890	1.389	84.7	0.0000	0.0000	FLOOD RISK	2.006	21	84.7	0.778	0.428	3.4979	
960 minute summer	21	480	9.890	1.423	84.7	0.0000	0.0000	FLOOD RISK	2.007	22	84.7	0.758	0.142	3.7404	
960 minute summer	22	480	9.890	1.800	108.6	8.0924	0.0000	FLOOD RISK	2.008	23	108.6	0.555	0.377	53.3017	
960 minute summer	23	105	7.750	1.000	108.6	0.0000	0.0000	FLOOD RISK	2.009	24	108.6	0.809	0.583	0.2753	
960 minute summer	24	495	9.589	0.099	108.6	0.0000	0.0000	OK	2.010	24_CUT	108.6	3.988	0.088	6.1828	
960 minute summer	24_CUT	960	7.980	0.427	108.6	0.0000	0.0000	OK	Flow through pond	49	158.1	0.013	0.000	4065.5007	
960 minute summer	25	485	8.830	0.034	2.0	0.0218	0.0000	OK	3.000	26	2.0	0.511	0.111	0.1399	
960 minute summer	26	495	8.484	0.049	4.0	0.1353	0.0000	OK	3.001	27	3.6	0.702	0.228	0.2956	
									Infiltration		0.4				
960 minute summer	27	495	8.187	0.052	5.6	0.1815	0.0000	OK	3.002	28	5.1	0.911	0.252	0.1823	
									Infiltration		0.8				
960 minute summer	28	495	7.750	0.055	7.1	0.1392	0.0000	OK	3.003	29	8.7	1.058	0.285	0.2261	
									Infiltration		0.4				
960 minute summer	29	485	7.125	0.061	8.7	0.1350	0.0000	OK	3.004	30	8.4	1.309	0.303	0.0514	
									Infiltration		0.3				
960 minute summer	30	525	8.983	0.158	8.8	0.0190	0.0000	OK	3.005	31	8.5	0.138	0.004	3.2383	
960 minute summer	31	525	8.983	0.288	8.9	0.0348	0.0000	OK	3.006	32	6.6	0.081	0.004	3.5508	
									Infiltration		1.7				
960 minute summer	32	525	8.983	0.330	7.0	0.0406	0.0000	OK	3.007	33	3.7	0.040	0.002	2.8958	

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960 minute summer	57	585	8.572	0.262	2.5	1.3011	0.0000SURCHARGE	Infiltration	5.002	58	0.2			
960 minute summer	58	585	8.572	0.327	2.8	2.6875	0.0000SURCHARGE	Infiltration	5.003	59	1.9	0.290	0.242	0.5462
960 minute summer	59	585	8.572	0.367	3.1	2.3155	0.0000OK	Infiltration	5.004	60	6.3			
960 minute summer	60	585	8.572	0.387	2.8	0.1315	0.0000OK	Infiltration	5.005	61	0.8			
960 minute summer	61	585	8.572	0.438	1.7	0.1482	0.0000OK	Infiltration	5.006	62	2.1	0.268	0.283	0.3806
960 minute summer	62	585	8.190	0.054	1.0	0.0184	0.0000OK	Infiltration	5.007	63	0.4			
960 minute summer	63	585	8.190	0.354	2.1	0.1204	0.0000OK	Infiltration	5.008	63_OUT	1.8	0.042	0.003	11.4461
960 minute summer	63_OUT	585	8.190	0.426	1.0	0.1446	0.0000OK	Infiltration	5.009	64	0.7	0.030	0.001	17.0833
960 minute summer	64	615	8.570	0.385	6.5	0.0815	0.0000OK	Infiltration	5.009	65	0.6			
960 minute summer	65	615	8.570	0.445	0.7	0.0712	0.0000OK	Infiltration	5.001	66	0.3			
960 minute summer	66	615	8.570	0.477	0.7	0.0754	0.0000OK	Infiltration	5.002	67	0.3			
960 minute summer	67	615	8.570	0.484	0.5	0.0788	0.0000OK	Infiltration	5.003	68	1.0	0.044	0.001	10.8387
960 minute summer	68	600	8.174	0.098	0.5	0.0152	0.0000OK	Infiltration	5.004	69	-0.3	0.018	0.000	8.5897
960 minute summer	69	600	8.174	0.408	0.9	0.0855	0.0000OK	Infiltration	5.005	70	0.8			
960 minute summer	70	600	5.995	0.240	0.5	0.0364	0.0000OK	Infiltration	5.006	71	0.4			
960 minute summer	71	600	5.995	0.310	0.8	0.0495	0.0000OK	Infiltration	5.007	72	0.3	0.028	0.000	6.0885
960 minute summer	72	600	5.995	0.310	0.7	0.0498	0.0000OK	Infiltration	5.008	73	0.0	0.000	0.000	0.0000
960 minute summer	73	615	8.275	0.570	0.5	0.0912	0.0000OK	Infiltration	5.009	74	0.4			
960 minute summer	74	615	8.275	0.570	0.5	0.0912	0.0000OK	Infiltration	5.010	75	0.3	0.028	0.000	6.0885
960 minute summer	75	615	8.275	0.570	0.7	0.0912	0.0000OK	Infiltration	5.011	76	0.2	0.043	0.000	4.1530
960 minute summer	76	615	8.275	0.640	0.5	0.0973	0.0000OK	Infiltration	5.012	76_OUT	0.1			
960 minute summer	76_OUT	615	8.275	0.640	0.5	0.1024	0.0000OK	Infiltration	5.012	77	0.3	0.030	0.000	4.3355
960 minute summer	77	615	8.275	0.640	0.5	0.1024	0.0000OK	Infiltration	5.012	78	0.2			
960 minute summer	78	615	8.275	0.640	0.5	0.1024	0.0000OK	Infiltration	5.012	79	-0.1	0.005	0.000	4.4282
960 minute summer	79	615	8.275	0.640	0.5	0.1024	0.0000OK	Infiltration	5.012	80	0.2			

Results for 1000 year 960 minute winter. 1200 minute analysis at 15 minute timestep. Mass balance: 98.35%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
960 minute winter	1	435	9.800	0.500	1.2	0.0000	0.0000	FLOOD RISK	1.000	2	-1.2	-0.049	-0.055	0.4853	
960 minute winter	2	435	9.800	0.550	3.2	0.0000	0.0000	FLOOD RISK	1.001	3	-3.2	-0.104	-0.183	1.1284	
960 minute winter	3	435	9.800	0.650	4.1	0.0000	0.0000	FLOOD RISK	1.002	4	-4.1	-0.131	-0.193	0.4986	
960 minute winter	4	435	9.800	0.700	4.6	0.0000	0.0000	FLOOD RISK	1.003	5	-4.6	-0.149	-0.201	0.8441	
960 minute winter	5	435	9.800	0.800	5.1	0.0000	0.0000	FLOOD RISK	1.004	6	-5.1	-0.163	-0.136	0.1621	
960 minute winter	6	435	9.800	0.900	16.6	8.1873	0.0000	FLOOD RISK	1.005	7	16.6	0.577	0.347	0.7796	
960 minute winter	7	435	9.800	1.050	26.5	4.6184	0.0000	FLOOD RISK	1.006	8	26.5	0.559	0.377	2.4923	
960 minute winter	8	435	9.800	1.250	46.9	9.0504	0.0000	FLOOD RISK	1.007	9	46.9	0.574	0.424	5.9230	
960 minute winter	9	450	9.800	1.450	77.9	14.5896	0.0000	FLOOD RISK	1.008	10	77.9	0.556	0.329	3.1360	
960 minute winter	10	450	9.800	1.500	83.9	2.7390	0.0000	FLOOD RISK	1.009	11	83.9	0.556	0.556	47.8613	
960 minute winter	11	495	9.750	1.750	83.9	0.0000	0.0000	FLOOD RISK	1.010	12	83.9	0.449	0.291	51.3276	
960 minute winter	12	120	7.750	1.900	83.9	0.0000	0.0000	FLOOD RISK	1.011	13	83.9	0.638	0.427	0.2698	
960 minute winter	13	495	9.587	0.987	83.9	0.0000	0.0000	OK	1.012	13_OUT	83.9	3.692	0.088	0.1381	
960 minute winter	13_OUT	960	8.021	0.487	83.9	0.0000	0.0000	OK	Flow through pond	49	217.2	0.016	0.000	4534.7539	
960 minute winter	14	495	9.778	0.478	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	0.3	0.011	0.011	0.8136	
960 minute winter	15	495	9.778	0.690	12.6	5.4706	0.0000	FLOOD RISK	2.001	16	12.6	0.516	0.264	0.9254	
960 minute winter	16	495	9.769	0.778	12.6	0.0000	0.0000	FLOOD RISK	2.002	17	12.6	0.521	0.260	0.6320	
960 minute winter	17	495	9.794	0.955	19.4	2.5097	0.0000	FLOOD RISK	2.003	18	19.4	0.529	0.249	1.6750	
960 minute winter	18	495	9.758	1.078	35.4	6.7792	0.0000	FLOOD RISK	2.004	19	35.4	0.566	0.281	5.4890	
960 minute winter	19	495	9.749	1.293	82.9	11.8566	0.0000	FLOOD RISK	2.005	20	82.9	0.569	0.319	4.9626	
960 minute winter	20	495	9.744	1.333	82.9	0.0000	0.0000	FLOOD RISK	2.006	21	82.9	0.827	0.318	3.4979	
960 minute winter	21	495	9.740	1.368	82.9	0.0000	0.0000	FLOOD RISK	2.007	22	82.9	0.825	0.106	3.7404	
960 minute winter	22	495	9.736	1.736	80.8	7.5408	0.0000	FLOOD RISK	2.008	23	80.8	0.548	0.280	53.3017	
960 minute winter	23	105	7.750	1.050	80.8	0.0000	0.0000	FLOOD RISK	2.009	24	80.8	0.615	0.410	0.2690	
960 minute winter	24	495	9.585	0.085	80.8	0.0000	0.0000	OK	2.010	24_OUT	80.8	3.850	0.065	0.1322	
960 minute winter	24_OUT	1005	8.027	0.494	80.8	0.0000	0.0000	OK	Flow through pond	49	217.2	0.016	0.000	4534.7539	
960 minute winter	25	495	8.825	0.029	1.5	0.0187	0.0000	OK	3.000	26	1.5	0.473	0.034	0.1136	
960 minute winter	26	495	8.477	0.942	3.0	0.1032	0.0000	OK	3.001	27	2.7	0.649	0.188	0.1844	
									Infiltration		0.3				
960 minute winter	27	495	8.158	0.044	4.2	0.1355	0.0000	OK	3.002	28	3.7	0.897	0.185	0.1454	
									Infiltration		0.4				
960 minute winter	28	495	7.742	0.047	5.2	0.1055	0.0000	OK	3.003	29	4.9	0.987	0.209	0.1795	
									Infiltration		0.3				
960 minute winter	29	495	7.117	0.052	6.4	0.1009	0.0000	OK	3.004	30	6.2	1.212	0.223	0.6347	
									Infiltration		0.2				
960 minute winter	30	540	6.929	0.104	8.5	0.0125	0.0000	OK	3.005	31	8.4	0.139	0.093	2.2957	
960 minute winter	31	540	6.929	0.234	6.7	0.0281	0.0000	OK	3.006	32	5.0	0.672	0.093	2.7432	
									Infiltration		1.5				

960 minute winter	32	540	6.929	0.284	5.3	0.0341	0.0000OK	3.007	33	2.7	0.035	0.000	2.2482
								Infiltration		1.2			
								Infiltration		1.3			
960 minute winter	33	540	6.929	0.154	3.6	0.0184	0.0000OK	3.008	34	2.6	0.147	0.002	1.4952
960 minute winter	34	540	6.929	0.184	3.1	0.0226	0.0000OK	3.009	35	1.9	0.138	0.001	1.5597
								Infiltration		1.0			
960 minute winter	35	540	6.928	0.254	2.2	0.0304	0.0000OK	3.010	36	1.2	0.027	0.000	3.7338
								Infiltration		0.8			
960 minute winter	36	540	6.929	0.424	1.5	0.0463	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.4			
960 minute winter	37	480	6.511	0.008	0.3	0.0007	0.0000OK	3.012	38	0.3	0.023	0.000	1.0819
960 minute winter	38	525	6.477	0.212	2.2	0.0254	0.0000OK	3.013	39	-1.8	-0.087	-0.001	1.1415
								Infiltration		0.9			
								Infiltration		1.2			
960 minute winter	39	525	6.477	0.022	1.6	0.0026	0.0000OK	3.014	40	-1.3	-0.201	-0.001	0.1196
								Infiltration		0.1			
960 minute winter	40	480	6.707	0.012	1.3	0.0014	0.0000OK	3.015	41	-1.0	-0.179	-0.001	0.6785
								Infiltration		0.0			
960 minute winter	41	480	6.878	0.011	1.1	0.0013	0.0000OK	3.016	42	-0.8	-0.151	-0.001	0.8642
								Infiltration		0.0			
960 minute winter	42	465	7.693	0.008	0.8	0.0016	0.0000OK	3.017	43	-0.5	-0.099	0.000	0.9827
								Infiltration		0.0			
960 minute winter	43	465	7.155	0.010	0.5	0.0012	0.0000OK	3.018	44	-0.2	-0.048	0.000	0.5491
								Infiltration		0.0			
960 minute winter	44	465	7.233	0.005	0.3	0.0006	0.0000OK	3.019	45	0.1	0.035	0.000	0.9390
960 minute winter	45	460	7.203	0.008	0.4	0.0016	0.0000OK	3.020	46	0.4	0.092	0.000	0.9567
								Infiltration		0.0			
960 minute winter	46	480	7.134	0.009	0.7	0.0011	0.0000OK	3.021	47	0.7	0.135	0.000	0.2077
								Infiltration		0.0			
960 minute winter	47	615	7.013	0.048	1.0	0.0057	0.0000OK	3.022	48	1.0	0.076	0.000	1.2958
								Infiltration		0.0			
960 minute winter	48	615	7.013	0.218	1.3	0.0291	0.0000OK	3.023	49	0.9	0.077	0.001	2.2117
								Infiltration		0.2			
960 minute winter	49	1035	8.020	0.020	244.8	0.2844	0.0000OK	Crifice	50	0.2			
								Infiltration		0.0			
960 minute winter	50	990	7.410	0.010	0.2	0.0006	0.0000OK	4.001	51	0.2	0.390	0.007	0.0028
960 minute winter	51	1050	7.308	0.008	0.2	0.0006	0.0000OK	4.002	52	0.2	0.429	0.006	0.0014
960 minute winter	52	1065	7.208	0.008	0.2	0.0006	0.0000OK	4.003	53	0.2	0.401	0.006	0.5009
960 minute winter	53	615	7.013	0.228	1.2	0.0273	0.0000OK	3.024	54	0.8	0.117	0.000	3.5775
								Infiltration		0.3			
960 minute winter	54	615	7.013	0.388	1.0	0.0465	0.0000OK	3.025	54_OUT	0.9	0.032	0.000	0.3967
								Infiltration		0.3			
960 minute winter	54_OUT	615	7.013	0.508	0.7	0.0809	0.0000OK	Infiltration		0.4			

960 minute winter	55	815	8.590	0.144	0.8	0.0490	0.0000OK	5.000	56	0.8	0.281	0.100	0.2931
960 minute winter	56	815	8.590	0.174	1.0	0.7099	0.0000SURCHARGED	5.001	57	1.3	0.302	0.102	0.3799
								Infiltration		0.2			
960 minute winter	57	815	8.590	0.280	2.0	1.4158	0.0000SURCHARGED	5.002	58	1.5	0.258	0.180	0.5402
								Infiltration		0.3			
960 minute winter	58	830	8.589	0.344	2.3	2.8520	0.0000SURCHARGED	5.003	59	1.6	0.272	0.215	0.3806
								Infiltration		0.0			
960 minute winter	59	830	8.589	0.354	2.4	2.4348	0.0000OK	5.004	60	1.4	0.642	0.002	12.1909
								Infiltration		0.4			
960 minute winter	60	830	8.589	0.404	2.2	0.1370	0.0000OK	5.005	61	0.9	0.029	0.001	18.1021
								Infiltration		0.6			
960 minute winter	61	830	8.589	0.453	1.4	0.1540	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.9			
960 minute winter	62	830	8.204	0.088	0.8	0.0230	0.0000OK	5.007	63	0.0	0.642	0.000	11.8573
960 minute winter	63	830	8.204	0.308	1.7	0.1250	0.0000OK	5.008	63_OUT	-0.2	0.015	0.000	9.0230
								Infiltration		0.6			
960 minute winter	63_OUT	830	8.204	0.439	0.8	0.1492	0.0000OK	Infiltration		0.5			
960 minute winter	64	860	6.815	0.431	0.4	0.0689	0.0000OK	6.000	65	0.2	0.041	0.000	4.6281
960 minute winter	65	860	6.815	0.491	0.6	0.0765	0.0000OK	6.001	66	0.1	0.039	0.000	6.1415
								Infiltration		0.2			
960 minute winter	66	860	6.618	0.523	0.5	0.0826	0.0000OK	6.002	67	-0.1	-0.002	0.000	3.4755
								Infiltration		0.5			
960 minute winter	67	860	6.815	0.540	0.4	0.0836	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
960 minute winter	68	860	6.188	0.112	0.4	0.0174	0.0000OK	6.004	69	0.3	0.029	0.000	0.4873
960 minute winter	69	860	6.188	0.423	0.7	0.0877	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.4			
960 minute winter	70	875	6.048	0.294	1.7	0.0471	0.0000OK	6.006	71	1.8	0.034	0.001	2.5219
960 minute winter	71	875	6.048	0.384	7.0	0.0583	0.0000OK	6.007	72	7.5	-0.054	0.005	7.7576
								Infiltration		0.1			
960 minute winter	72	875	6.050	0.385	7.5	0.0584	0.0000OK	6.008	73	10.9	0.770	0.750	0.0310
								Infiltration		0.4			
960 minute winter	73	795	6.358	0.654	10.9	0.1047	0.0000OK	6.009	74	10.9	0.018	0.007	4.5179
960 minute winter	74	795	6.358	0.654	10.9	0.1047	0.0000OK	6.010	75	11.9	0.043	0.008	5.1182
								Infiltration		0.2			
960 minute winter	75	795	6.360	0.655	11.9	0.1047	0.0000OK	6.011	76	7.9	0.030	0.003	5.3201
								Infiltration		0.2			
960 minute winter	76	795	6.360	0.725	7.9	0.1102	0.0000OK	6.012	76_OUT	4.4	-0.005	0.003	5.3882
								Infiltration		0.2			
960 minute winter	76_OUT	870	6.360	0.725	4.5	0.1191	0.0000OK	Infiltration		0.2			

Results for 1000 year 1440 minute summer, 1500 minute analysis at 30 minute timestep. Mass balance: 88.35%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute summer	1	720	9.800	0.500	0.7	0.0000	0.0000	FLOOD RISK	1.000	2	-0.7	-0.028	-0.031	0.4653	
1440 minute summer	2	720	9.800	0.550	1.8	0.0000	0.0000	FLOOD RISK	1.001	3	-1.8	-0.066	-0.093	1.1284	
1440 minute summer	3	720	9.800	0.650	2.3	0.0000	0.0000	FLOOD RISK	1.002	4	-2.3	-0.073	-0.108	0.4686	
1440 minute summer	4	720	9.800	0.700	2.6	0.0000	0.0000	FLOOD RISK	1.003	5	-2.6	-0.081	-0.111	0.8441	
1440 minute summer	5	720	9.800	0.800	2.8	0.0000	0.0000	FLOOD RISK	1.004	6	-2.8	-0.091	-0.078	0.1621	
1440 minute summer	6	720	9.800	0.900	15.8	7.8876	0.0000	FLOOD RISK	1.005	7	15.8	0.494	0.328	0.7796	
1440 minute summer	7	720	9.800	1.050	24.9	4.4750	0.0000	FLOOD RISK	1.006	8	24.9	0.490	0.355	2.4923	
1440 minute summer	8	720	9.800	1.250	43.2	8.8209	0.0000	FLOOD RISK	1.007	9	43.2	0.498	0.398	5.9230	
1440 minute summer	9	720	9.800	1.450	73.3	14.2842	0.0000	FLOOD RISK	1.008	10	73.3	0.473	0.309	3.1280	
1440 minute summer	10	720	9.800	1.500	79.0	2.8846	0.0000	FLOOD RISK	1.009	11	79.0	0.452	0.535	47.8613	
1440 minute summer	11	750	9.730	1.730	79.0	0.0000	0.0000	FLOOD RISK	1.010	12	79.0	0.404	0.274	53.3278	
1440 minute summer	12	180	7.750	1.000	79.0	0.0000	0.0000	FLOOD RISK	1.011	13	79.0	0.603	0.402	0.2684	
1440 minute summer	13	750	9.584	0.884	79.0	0.0000	0.0000	OK	1.012	13_OUT	79.0	3.827	0.884	0.1305	
1440 minute summer	13_OUT	1470	8.000	0.457	79.0	0.0000	0.0000	OK	Flow through pond	49	135.5	0.009	0.000	4267.0615	
1440 minute summer	14	750	9.753	0.453	0.5	0.0000	0.0000	FLOOD RISK	2.000	15	-0.5	-0.017	-0.017	0.8136	
1440 minute summer	15	750	9.753	0.687	12.1	5.2872	0.0000	FLOOD RISK	2.001	16	12.1	0.445	0.250	0.9254	
1440 minute summer	16	750	9.747	0.766	12.1	0.0000	0.0000	FLOOD RISK	2.002	17	12.1	0.449	0.248	0.5320	
1440 minute summer	17	750	9.743	0.894	18.3	2.7417	0.0000	FLOOD RISK	2.003	18	18.3	0.461	0.234	1.8750	
1440 minute summer	18	750	9.737	1.058	33.3	6.8455	0.0000	FLOOD RISK	2.004	19	33.3	0.489	0.265	5.4890	
1440 minute summer	19	750	9.728	1.272	59.2	11.4753	0.0000	FLOOD RISK	2.005	20	59.2	0.489	0.300	4.5628	
1440 minute summer	20	750	9.724	1.313	59.2	0.0000	0.0000	FLOOD RISK	2.006	21	59.2	0.885	0.298	3.4978	
1440 minute summer	21	750	9.721	1.348	59.2	0.0000	0.0000	FLOOD RISK	2.007	22	59.2	0.681	0.099	3.7604	
1440 minute summer	22	750	9.717	1.717	75.9	7.4598	0.0000	FLOOD RISK	2.008	23	75.9	0.389	0.283	53.3017	
1440 minute summer	23	150	7.750	1.600	75.9	0.0000	0.0000	FLOOD RISK	2.009	24	75.9	0.582	0.387	0.2679	
1440 minute summer	24	750	9.583	0.683	75.9	0.0000	0.0000	OK	2.010	24_OUT	75.9	3.588	0.661	0.1257	
1440 minute summer	24_OUT	1470	8.000	0.457	75.9	0.0000	0.0000	OK	Flow through pond	49	135.5	0.009	0.000	4267.0615	
1440 minute summer	25	750	8.824	0.028	1.4	0.0181	0.0000	OK	3.000	26	1.4	0.405	0.078	0.1074	
1440 minute summer	26	750	8.475	0.040	2.8	0.0908	0.0000	OK	3.001	27	2.5	0.038	0.150	0.1558	
									Infiltration			0.3			
1440 minute summer	27	750	8.157	0.042	3.9	0.1285	0.0000	OK	3.002	28	3.5	0.820	0.171	0.1377	
									Infiltration			0.4			
1440 minute summer	28	750	7.740	0.045	4.9	0.0988	0.0000	OK	3.003	29	4.6	0.888	0.194	0.1688	
									Infiltration			0.3			
1440 minute summer	29	750	7.114	0.049	5.0	0.0942	0.0000	OK	3.004	30	5.8	1.189	0.207	0.0328	
									Infiltration			0.3			
1440 minute summer	30	780	6.894	0.068	6.1	0.0082	0.0000	OK	3.005	31	5.9	0.138	0.002	1.7304	
1440 minute summer	31	780	6.893	0.198	6.2	0.0237	0.0000	OK	3.006	32	4.7	0.050	0.003	2.2485	
									Infiltration			1.3			
1440 minute summer	32	780	6.893	0.248	5.0	0.0297	0.0000	OK	3.007	33	2.6	0.036	0.002	1.7938	

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Results for 1000 year 1440 minute winter, 1500 minute analysis at 30 minute timestep. Mass balance: 88.47%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	1	750	9.730	0.430	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	0.002	0.002	0.4653	
1440 minute winter	2	750	9.730	0.480	0.0	0.0000	0.0000	FLOOD RISK	1.001	3	0.1	0.004	0.007	1.1284	
1440 minute winter	3	750	9.731	0.581	0.1	0.0000	0.0000	FLOOD RISK	1.002	4	0.2	0.007	0.010	0.4686	
1440 minute winter	4	750	9.731	0.831	0.2	0.0000	0.0000	FLOOD RISK	1.003	5	0.3	0.010	0.013	0.8441	
1440 minute winter	5	750	9.731	0.731	1.5	0.0000	0.0000	FLOOD RISK	1.004	6	-1.5	-0.099	-0.041	0.1621	
1440 minute winter	6	750	9.731	0.831	11.9	6.8470	0.0000	FLOOD RISK	1.005	7	11.9	0.515	0.245	0.7796	
1440 minute winter	7	750	9.728	0.975	18.8	3.9753	0.0000	FLOOD RISK	1.006	8	18.8	0.509	0.268	2.4923	
1440 minute winter	8	750	9.718	1.108	32.6	8.0192	0.0000	FLOOD RISK	1.007	9	32.6	0.516	0.301	5.9230	
1440 minute winter	9	750	9.708	1.368	55.2	13.2158	0.0000	FLOOD RISK	1.008	10	55.2	0.501	0.233	3.1380	
1440 minute winter	10	750	9.708	1.408	59.5	2.4934	0.0000	FLOOD RISK	1.009	11	59.5	0.493	0.493	47.8813	
1440 minute winter	11	750	9.658	1.858	59.5	0.0000	0.0000	FLOOD RISK	1.010	12	59.5	0.424	0.207	53.3278	
1440 minute winter	12	180	7.750	1.000	59.5	0.0000	0.0000	FLOOD RISK	1.011	13	59.5	0.484	0.303	0.2635	
1440 minute winter	13	750	9.574	0.574	59.5	0.0000	0.0000	OK	1.012	13_OUT	59.5	3.335	0.048	0.1088	
1440 minute winter	13_OUT	1470	8.058	0.525	59.5	0.0000	0.0000	OK	Flow through pond	49	129.0	0.011	0.000	4845.9292	
1440 minute winter	14	750	9.571	0.371	0.5	0.0000	0.0000	FLOOD RISK	2.000	15	-0.5	-0.017	-0.018	0.8136	
1440 minute winter	15	750	9.871	0.585	9.1	4.6379	0.0000	FLOOD RISK	2.001	16	9.1	0.484	0.188	0.9254	
1440 minute winter	16	750	9.868	0.577	9.1	0.0000	0.0000	FLOOD RISK	2.002	17	9.1	0.467	0.185	0.5320	
1440 minute winter	17	750	9.865	0.808	13.8	2.5016	0.0000	FLOOD RISK	2.003	18	13.8	0.479	0.177	1.8750	
1440 minute winter	18	750	9.862	0.981	25.1	8.1728	0.0000	FLOOD RISK	2.004	19	25.1	0.513	0.199	5.4890	
1440 minute winter	19	750	9.857	1.201	44.6	10.8323	0.0000	FLOOD RISK	2.005	20	44.6	0.522	0.228	4.0828	
1440 minute winter	20	750	9.855	1.244	44.6	0.0000	0.0000	FLOOD RISK	2.006	21	44.6	0.735	0.225	3.4978	
1440 minute winter	21	750	9.853	1.281	44.6	0.0000	0.0000	FLOOD RISK	2.007	22	44.6	0.744	0.075	3.7404	
1440 minute winter	22	750	9.851	1.551	57.2	7.1711	0.0000	FLOOD RISK	2.008	23	57.2	0.292	0.199	53.3017	
1440 minute winter	23	150	7.750	1.000	57.2	0.0000	0.0000	FLOOD RISK	2.009	24	57.2	0.447	0.291	0.2631	
1440 minute winter	24	750	9.572	0.072	57.2	0.0000	0.0000	OK	2.010	24_OUT	57.2	3.297	0.046	0.1938	
1440 minute winter	24_OUT	1470	8.058	0.525	57.2	0.0000	0.0000	OK	Flow through pond	49	129.0	0.011	0.000	4845.9292	
1440 minute winter	25	720	8.820	0.024	1.0	0.0154	0.0000	OK	3.000	26	1.0	0.425	0.050	0.0838	
1440 minute winter	26	720	8.468	0.933	2.0	0.0714	0.0000	OK	3.001	27	1.7	0.577	0.109	0.1199	
									Infiltration		0.3				
1440 minute winter	27	720	8.150	0.035	3.7	0.0911	0.0000	OK	3.002	28	2.4	0.738	0.118	0.1055	
									Infiltration		0.4				
1440 minute winter	28	720	7.732	0.037	3.4	0.0721	0.0000	OK	3.003	29	3.2	0.877	0.134	0.1290	
									Infiltration		0.2				
1440 minute winter	29	720	7.105	0.040	4.2	0.0679	0.0000	OK	3.004	30	4.0	1.079	0.143	0.0250	
									Infiltration		0.2				
1440 minute winter	30	720	6.558	0.031	4.2	0.0037	0.0000	OK	3.005	31	4.2	0.138	0.002	0.9409	
1440 minute winter	31	780	6.822	0.127	4.4	0.0152	0.0000	OK	3.006	32	3.4	0.056	0.002	1.3874	
									Infiltration		1.0				
1440 minute winter	32	780	6.822	0.177	3.6	0.0212	0.0000	OK	3.007	33	1.7	0.030	0.001	1.0698	

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1440 minute winter	57	900	8.501	0.191	1.4	0.8511	0.0000	OK	Infiltration	58	0.2			
1440 minute winter	58	900	8.501	0.258	1.7	2.0624	0.0000	OK	Infiltration	59	0.3			
1440 minute winter	59	900	8.501	0.298	1.8	1.8178	0.0000	OK	Infiltration	60	0.5			
1440 minute winter	60	900	8.501	0.318	1.4	0.1673	0.0000	OK	Infiltration	61	0.4			
1440 minute winter	61	900	8.501	0.385	0.8	0.1240	0.0000	OK	Infiltration	62	0.5			
1440 minute winter	62	900	8.152	0.016	0.5	0.0653	0.0000	OK	Infiltration	63	0.7			
1440 minute winter	63	900	8.152	0.318	1.0	0.1073	0.0000	OK	Infiltration	63_OUT	0.5			
1440 minute winter	63_OUT	900	8.152	0.387	0.5	0.1314	0.0000	OK	Infiltration		0.2			
1440 minute winter	64	900	6.543	0.358	0.3	0.0573	0.0000	OK	Infiltration	65	0.7			
1440 minute winter	65	900	6.543	0.418	0.5	0.0689	0.0000	OK	Infiltration	66	0.4			
1440 minute winter	66	900	6.543	0.450	0.4	0.0712	0.0000	OK	Infiltration	67	0.2			
1440 minute winter	67	900	6.543	0.487	0.3	0.0724	0.0000	OK	Infiltration	68	-0.1			
1440 minute winter	68	930	6.133	0.057	0.3	0.0098	0.0000	OK	Infiltration	69	0.2			
1440 minute winter	69	930	6.133	0.368	0.6	0.0689	0.0000	OK	Infiltration	70	0.1			
1440 minute winter	70	930	5.959	0.264	0.3	0.0326	0.0000	OK	Infiltration	71	0.3			
1440 minute winter	71	930	5.959	0.274	0.5	0.0438	0.0000	OK	Infiltration	72	0.2			
1440 minute winter	72	930	5.959	0.274	0.5	0.0438	0.0000	OK	Infiltration	73	0.1			
1440 minute winter	73	990	6.258	0.553	0.3	0.0885	0.0000	OK	Infiltration	74	0.3			
1440 minute winter	74	960	6.258	0.553	0.5	0.0885	0.0000	OK	Infiltration	75	0.4			
1440 minute winter	75	990	6.258	0.553	0.4	0.0885	0.0000	OK	Infiltration	76	0.1			
1440 minute winter	76	960	6.258	0.523	0.4	0.0947	0.0000	OK	Infiltration	76_OUT	0.2			
1440 minute winter	76_OUT	990	6.258	0.523	0.3	0.0997	0.0000	OK	Infiltration		0.2			

Results for 1000 year 2160 minute summer, 1400 minute analysis at 60 minute timestep. Mass balance: 88.42%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute summer	1	1140	9.702	0.402	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	0.001	0.002	0.4653	
2160 minute summer	2	1140	9.762	0.452	0.0	0.0000	0.0000	FLOOD RISK	1.001	3	0.0	-0.002	-0.002	1.1284	
2160 minute summer	3	1140	9.783	0.563	0.0	0.0000	0.0000	FLOOD RISK	1.002	4	0.0	-0.001	-0.002	0.4686	
2160 minute summer	4	1140	9.703	0.603	0.1	0.0000	0.0000	FLOOD RISK	1.003	5	-0.1	-0.002	-0.003	0.8441	
2160 minute summer	5	1140	9.762	0.702	0.7	0.0000	0.0000	FLOOD RISK	1.004	6	-0.7	-0.040	-0.019	0.1621	
2160 minute summer	6	1140	9.762	0.802	10.9	6.6145	0.0000	FLOOD RISK	1.005	7	10.9	0.447	0.225	0.7796	
2160 minute summer	7	1140	9.698	0.948	17.2	3.8646	0.0000	FLOOD RISK	1.006	8	17.2	0.445	0.245	2.4923	
2160 minute summer	8	1140	9.692	1.142	29.8	7.8392	0.0000	FLOOD RISK	1.007	9	29.8	0.448	0.278	5.9236	
2160 minute summer	9	1140	9.684	1.334	50.5	12.9755	0.0000	FLOOD RISK	1.008	10	50.5	0.425	0.213	3.1380	
2160 minute summer	10	1140	9.682	1.382	54.4	2.4505	0.0000	FLOOD RISK	1.009	11	54.4	0.402	0.368	47.8613	
2160 minute summer	11	1140	9.642	1.642	54.4	0.0000	0.0000	FLOOD RISK	1.010	12	54.4	0.278	0.189	53.3278	
2160 minute summer	12	240	7.750	1.006	54.4	0.0000	0.0000	FLOOD RISK	1.011	13	54.4	0.426	0.277	0.2622	
2160 minute summer	13	1140	9.571	0.671	54.4	0.0000	0.0000	OK	1.012	13_OUT	54.4	3.247	0.944	0.1004	
2160 minute summer	13_OUT	2160	8.024	0.491	54.4	0.0000	0.0000	OK	Flow through pond	49	125.4	0.007	0.000	4581.1055	
2160 minute summer	14	1140	9.652	0.352	0.4	0.0000	0.0000	FLOOD RISK	2.000	15	-0.4	-0.018	-0.015	0.8136	
2160 minute summer	15	1140	9.852	0.588	8.3	4.4889	0.0000	FLOOD RISK	2.001	16	8.3	0.402	0.171	0.9254	
2160 minute summer	16	1140	9.648	0.658	8.3	0.0000	0.0000	FLOOD RISK	2.002	17	8.3	0.408	0.168	0.5320	
2160 minute summer	17	1140	9.647	0.788	12.6	2.4455	0.0000	FLOOD RISK	2.003	18	12.6	0.406	0.161	1.8750	
2160 minute summer	18	1140	9.645	0.984	22.9	6.0623	0.0000	FLOOD RISK	2.004	19	22.9	0.435	0.182	5.4890	
2160 minute summer	19	1140	9.640	1.184	40.7	10.5814	0.0000	FLOOD RISK	2.005	20	40.7	0.429	0.206	4.5628	
2160 minute summer	20	1140	9.639	1.228	40.7	0.0000	0.0000	FLOOD RISK	2.006	21	40.7	0.501	0.206	3.4978	
2160 minute summer	21	1140	9.637	1.265	40.7	0.0000	0.0000	FLOOD RISK	2.007	22	40.7	0.609	0.068	3.7604	
2160 minute summer	22	1140	9.835	1.835	52.2	7.1031	0.0000	FLOOD RISK	2.008	23	52.2	0.267	0.181	53.3017	
2160 minute summer	23	240	7.750	1.600	52.2	0.0000	0.0000	FLOOD RISK	2.009	24	52.2	0.416	0.266	0.2618	
2160 minute summer	24	1140	9.589	0.658	52.2	0.0000	0.0000	OK	2.010	24_OUT	52.2	3.208	0.942	0.0974	
2160 minute summer	24_OUT	2160	8.022	0.488	52.2	0.0000	0.0000	OK	Flow through pond	49	125.4	0.007	0.000	4581.1055	
2160 minute summer	25	1140	8.818	0.023	0.9	0.0146	0.0000	OK	3.000	26	0.9	0.414	0.050	0.0775	
2160 minute summer	26	1140	8.467	0.032	1.6	0.0650	0.0000	OK	3.001	27	1.5	0.569	0.098	0.1105	
									Infiltration			0.3			
2160 minute summer	27	1140	8.148	0.033	2.4	0.0823	0.0000	OK	3.002	28	2.1	0.713	0.105	0.0970	
									Infiltration			0.3			
2160 minute summer	28	1140	7.730	0.035	3.0	0.0654	0.0000	OK	3.003	29	2.6	0.850	0.118	0.1153	
									Infiltration			0.2			
2160 minute summer	29	1140	7.163	0.038	3.7	0.0615	0.0000	OK	3.004	30	3.5	1.045	0.127	0.0229	
									Infiltration			0.2			
2160 minute summer	30	1140	6.854	0.028	3.7	0.0035	0.0000	OK	3.005	31	3.7	0.128	0.002	0.7957	
2160 minute summer	31	1140	6.803	0.108	3.9	0.0130	0.0000	OK	3.006	32	3.1	0.952	0.002	1.1830	
									Infiltration			0.8			
2160 minute summer	32	1140	6.803	0.158	3.3	0.0190	0.0000	OK	3.007	33	1.5	0.027	0.001	0.8255	

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2160 minute summer	57	1260	8.450	0.140	1.4	0.5368	0.0000OK	Infiltration	5.002	58	0.1	0.258	0.140	0.5368
2160 minute summer	58	1260	8.450	0.205	1.6	1.5145	0.0000OK	Infiltration	5.003	59	0.3	0.251	0.138	0.5906
2160 minute summer	59	1260	8.450	0.243	1.5	1.4638	0.0000OK	Infiltration	5.004	60	0.5	0.041	0.001	6.6742
2160 minute summer	60	1260	8.450	0.265	1.4	0.9901	0.0000OK	Infiltration	5.005	61	0.4	0.028	0.000	10.4193
2160 minute summer	61	1260	8.450	0.314	0.9	0.1088	0.0000OK	Infiltration	5.006	62	0.5	0.000	0.000	0.0000
2160 minute summer	62	1140	8.148	0.010	0.5	0.0033	0.0000OK	Infiltration	5.007	63	0.7	0.040	0.000	7.0568
2160 minute summer	63	1260	8.111	0.273	1.0	0.0934	0.0000OK	Infiltration	5.008	63_OUT	0.1	0.014	0.000	6.2345
2160 minute summer	63_OUT	1260	8.111	0.348	0.5	0.1175	0.0000OK	Infiltration	5.009		0.0			
2160 minute summer	64	1260	6.437	0.252	0.2	0.0450	0.0000OK	Infiltration	6.000	65	0.4	0.000	0.000	2.3083
2160 minute summer	65	1260	6.437	0.312	0.3	0.0499	0.0000OK	Infiltration	6.001	66	0.1	0.005	0.000	3.2697
2160 minute summer	66	1260	6.437	0.344	0.3	0.0543	0.0000OK	Infiltration	6.002	67	0.2	0.001	0.000	1.9060
2160 minute summer	67	1260	8.437	0.381	0.2	0.0559	0.0000OK	Infiltration	6.003	68	0.2	0.000	0.000	0.0000
2160 minute summer	68	1260	6.081	0.005	0.2	0.0057	0.0000OK	Infiltration	6.004	69	0.1	0.009	0.000	3.8753
2160 minute summer	69	1260	6.081	0.316	0.4	0.0525	0.0000OK	Infiltration	6.005	70	0.0	0.000	0.000	0.0000
2160 minute summer	70	1260	5.885	0.130	0.2	0.0208	0.0000OK	Infiltration	6.006	71	0.3	0.014	0.000	1.0210
2160 minute summer	71	1260	5.885	0.200	0.4	0.0320	0.0000OK	Infiltration	6.007	72	0.2	0.008	0.000	3.4457
2160 minute summer	72	1260	5.885	0.200	0.4	0.0320	0.0000OK	Infiltration	6.008	73	0.1	0.000	0.000	0.0000
2160 minute summer	73	1440	6.120	0.415	0.2	0.0685	0.0000OK	Infiltration	6.009	74	0.3	0.000	0.000	2.2759
2160 minute summer	74	1440	6.120	0.415	0.3	0.0685	0.0000OK	Infiltration	6.010	75	0.1	0.018	0.000	2.5771
2160 minute summer	75	1440	6.120	0.415	0.3	0.0685	0.0000OK	Infiltration	6.011	76	0.1	0.005	0.000	2.7792
2160 minute summer	76	1440	6.120	0.485	0.3	0.0738	0.0000OK	Infiltration	6.012	76_OUT	0.1	0.002	0.000	2.9014
2160 minute summer	76_OUT	1440	6.120	0.485	0.2	0.0777	0.0000OK	Infiltration	6.013		0.1			

Results for 1000 year 2160 minute winter, 3600 minute analysis at 60 minute timestep. Mass balance: 88.56%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2160 minute winter	1	1140	9.842	0.342	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	-0.001	-0.002	0.4653	
2160 minute winter	2	1140	9.842	0.392	0.0	0.0000	0.0000	FLOOD RISK	1.001	3	0.1	0.002	0.003	1.1284	
2160 minute winter	3	1140	9.842	0.492	0.1	0.0000	0.0000	FLOOD RISK	1.002	4	-0.1	-0.002	-0.002	0.4686	
2160 minute winter	4	1140	9.842	0.542	0.0	0.0000	0.0000	FLOOD RISK	1.003	5	0.1	0.002	0.002	0.8441	
2160 minute winter	5	1140	9.842	0.642	0.7	0.0000	0.0000	FLOOD RISK	1.004	6	-0.7	-0.073	-0.018	0.1621	
2160 minute winter	6	1140	9.842	0.742	8.4	6.1168	0.0000	FLOOD RISK	1.005	7	8.4	0.455	0.173	0.7796	
2160 minute winter	7	1140	9.639	0.889	13.3	3.8254	0.0000	FLOOD RISK	1.006	8	13.3	0.458	0.189	2.4920	
2160 minute winter	8	1140	9.639	1.088	23.0	7.4527	0.0000	FLOOD RISK	1.007	9	23.0	0.487	0.213	5.9230	
2160 minute winter	9	1140	9.831	1.281	39.0	12.4585	0.0000	FLOOD RISK	1.008	10	39.0	0.455	0.165	3.1260	
2160 minute winter	10	1140	9.838	1.330	42.0	2.3578	0.0000	FLOOD RISK	1.009	11	42.0	0.443	0.284	47.8613	
2160 minute winter	11	1140	9.608	1.808	42.0	0.0000	0.0000	FLOOD RISK	1.010	12	42.0	0.215	0.146	53.3278	
2160 minute winter	12	240	7.750	1.009	42.0	0.0000	0.0000	FLOOD RISK	1.011	13	42.0	0.334	0.214	0.2588	
2160 minute winter	13	1140	9.582	0.982	42.0	0.0000	0.0000	OK	1.012	13_OUT	42.0	3.002	0.034	0.0838	
2160 minute winter	13_OUT	2220	8.091	0.558	42.0	0.0000	0.0000	OK	Flow through pond	49	88.7	0.607	0.000	5160.4050	
2160 minute winter	14	1140	9.811	0.311	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.018	-0.007	0.8136	
2160 minute winter	15	1140	9.811	0.525	6.4	4.1651	0.0000	FLOOD RISK	2.001	16	6.4	0.414	0.132	0.9254	
2160 minute winter	16	1140	9.819	0.519	6.4	0.0000	0.0000	FLOOD RISK	2.002	17	6.4	0.420	0.130	0.6320	
2160 minute winter	17	1140	9.608	0.750	9.7	2.3257	0.0000	FLOOD RISK	2.003	18	9.7	0.431	0.124	1.8750	
2160 minute winter	18	1140	9.807	0.928	17.7	5.8258	0.0000	FLOOD RISK	2.004	19	17.7	0.482	0.141	5.4890	
2160 minute winter	19	1140	9.808	1.149	31.4	10.5678	0.0000	FLOOD RISK	2.005	20	31.4	0.485	0.159	4.0828	
2160 minute winter	20	1140	9.803	1.192	31.4	0.0000	0.0000	FLOOD RISK	2.006	21	31.4	0.553	0.159	3.4978	
2160 minute winter	21	1140	9.802	1.238	31.4	0.0000	0.0000	FLOOD RISK	2.007	22	31.4	0.567	0.053	3.7404	
2160 minute winter	22	1140	9.801	1.501	40.3	8.9584	0.0000	FLOOD RISK	2.008	23	40.3	0.206	0.140	53.3017	
2160 minute winter	23	240	7.750	1.000	40.3	0.0000	0.0000	FLOOD RISK	2.009	24	40.3	0.322	0.205	0.2585	
2160 minute winter	24	1140	9.581	0.981	40.3	0.0000	0.0000	OK	2.010	24_OUT	40.3	2.965	0.033	0.0814	
2160 minute winter	24_OUT	2220	8.091	0.558	40.3	0.0000	0.0000	OK	Flow through pond	49	88.7	0.607	0.000	5160.4050	
2160 minute winter	25	1080	8.819	0.020	0.7	0.0130	0.0000	OK	3.000	26	0.7	0.387	0.039	0.0844	
2160 minute winter	26	1080	8.463	0.028	1.4	0.0522	0.0000	OK	3.001	27	1.2	0.519	0.074	0.0908	
2160 minute winter	27	1080	8.144	0.028	1.9	0.0647	0.0000	OK	3.002	28	1.6	0.657	0.079	0.0793	
2160 minute winter	28	1080	7.725	0.030	2.3	0.0520	0.0000	OK	3.003	29	2.1	0.785	0.089	0.0951	
2160 minute winter	29	1080	7.099	0.033	2.8	0.0487	0.0000	OK	3.004	30	2.7	0.997	0.095	0.0186	
2160 minute winter	30	1080	6.549	0.024	2.8	0.0029	0.0000	OK	3.005	31	2.8	0.138	0.001	0.8890	
2160 minute winter	31	1200	6.791	0.098	2.9	0.0116	0.0000	OK	3.006	32	2.1	0.052	0.001	1.0574	
2160 minute winter	32	1200	6.791	0.148	2.2	0.0175	0.0000	OK	3.007	33	0.5	0.011	0.000	0.7151	

2160 minute winter	57	1260	8.432	0.122	1.1	0.4259	0.0000 OK	Infiltration	0.1				
2160 minute winter	58	1260	8.432	0.187	1.4	1.3453	0.0000 SURCHARGED	Infiltration	0.3				
2160 minute winter	59	1260	8.432	0.227	1.2	1.3348	0.0000 OK	Infiltration	0.5				
2160 minute winter	60	1260	8.432	0.247	1.1	0.0839	0.0000 OK	Infiltration	0.4				
2160 minute winter	61	1260	8.432	0.298	0.8	0.1005	0.0000 OK	Infiltration	0.5				
2160 minute winter	62	1080	8.145	0.008	0.4	0.0629	0.0000 OK	Infiltration	0.6				
2160 minute winter	63	1260	8.098	0.262	0.8	0.0891	0.0000 OK	Infiltration	0.4				
2160 minute winter	63_OUT	1260	8.098	0.333	0.4	0.1132	0.0000 OK	Infiltration	0.1	0.014	0.000	5.8882	
2160 minute winter	64	1320	6.505	0.325	0.2	0.0512	0.0000 OK	Infiltration	0.6				
2160 minute winter	65	1320	6.505	0.389	0.3	0.0608	0.0000 OK	Infiltration	0.4				
2160 minute winter	66	1320	6.505	0.412	0.3	0.0651	0.0000 OK	Infiltration	0.1	0.023	0.000	3.1150	
2160 minute winter	67	1320	6.505	0.429	0.2	0.0685	0.0000 OK	Infiltration	0.1	0.065	0.000	4.2772	
2160 minute winter	68	1260	6.108	0.032	0.2	0.0050	0.0000 OK	Infiltration	0.2				
2160 minute winter	69	1260	6.108	0.343	0.4	0.0549	0.0000 OK	Infiltration	-0.1	0.001	0.000	2.4584	
2160 minute winter	70	1320	5.924	0.169	0.2	0.0271	0.0000 OK	Infiltration	0.2				
2160 minute winter	71	1320	5.924	0.239	0.4	0.0383	0.0000 OK	Infiltration	0.2	0.000	0.000	0.0000	
2160 minute winter	72	1320	5.924	0.239	0.4	0.0383	0.0000 OK	Infiltration	0.1				
2160 minute winter	73	1320	6.218	0.511	0.2	0.0818	0.0000 OK	Infiltration	0.2				
2160 minute winter	74	1320	6.218	0.511	0.3	0.0818	0.0000 OK	Infiltration	0.2				
2160 minute winter	75	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.3				
2160 minute winter	76	1320	6.218	0.581	0.3	0.0884	0.0000 OK	Infiltration	0.1	0.013	0.000	3.0943	
2160 minute winter	76_OUT	1320	6.218	0.581	0.2	0.0830	0.0000 OK	Infiltration	0.2	0.019	0.000	3.5839	
2160 minute winter	77	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				
2160 minute winter	78	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1	0.008	0.000	3.7080	
2160 minute winter	79	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				
2160 minute winter	80	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				
2160 minute winter	81	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				
2160 minute winter	82	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				
2160 minute winter	83	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				
2160 minute winter	84	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				
2160 minute winter	85	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				
2160 minute winter	86	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				
2160 minute winter	87	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				
2160 minute winter	88	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				
2160 minute winter	89	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				
2160 minute winter	90	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				
2160 minute winter	91	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				
2160 minute winter	92	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				
2160 minute winter	93	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				
2160 minute winter	94	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				
2160 minute winter	95	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				
2160 minute winter	96	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				
2160 minute winter	97	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				
2160 minute winter	98	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				
2160 minute winter	99	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				
2160 minute winter	100	1320	6.218	0.511	0.4	0.0818	0.0000 OK	Infiltration	0.1				

Results for 1000 year 2880 minute summer, 3120 minute analysis at 60 minute timestep. Mass balance: 88.47%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute summer	1	1500	9.652	0.352	0.3	0.0000	0.0000	FLOOD RISK	1.000	2	-0.3	-0.017	-0.016	0.4853	
2880 minute summer	2	1500	9.651	0.401	1.0	0.0000	0.0000	FLOOD RISK	1.001	3	-1.0	-0.034	-0.051	1.1264	
2880 minute summer	3	1500	9.651	0.501	1.3	0.0000	0.0000	FLOOD RISK	1.002	4	-1.3	-0.041	-0.061	0.4988	
2880 minute summer	4	1500	9.651	0.551	1.4	0.0000	0.0000	FLOOD RISK	1.003	5	-1.4	-0.045	-0.081	0.8441	
2880 minute summer	5	1500	9.651	0.651	1.6	0.0000	0.0000	FLOOD RISK	1.004	6	-1.6	-0.050	-0.041	0.1821	
2880 minute summer	6	1500	9.651	0.751	5.8	6.1942	0.0000	FLOOD RISK	1.005	7	5.8	0.417	0.182	0.7795	
2880 minute summer	7	1500	9.649	0.898	13.9	3.8526	0.0000	FLOOD RISK	1.006	8	13.8	0.410	0.198	2.4923	
2880 minute summer	8	1500	9.644	1.094	24.1	7.5126	0.0000	FLOOD RISK	1.007	9	24.1	0.413	0.225	5.9230	
2880 minute summer	9	1500	9.640	1.290	40.9	12.5394	0.0000	FLOOD RISK	1.008	10	40.9	0.390	0.173	3.1360	
2880 minute summer	10	1500	9.638	1.338	44.1	2.3724	0.0000	FLOOD RISK	1.009	11	44.1	0.374	0.298	47.8513	
2880 minute summer	11	1500	9.612	1.612	44.1	0.0000	0.0000	FLOOD RISK	1.010	12	44.1	0.225	0.150	53.3278	
2880 minute summer	12	300	7.750	1.006	44.1	0.0000	0.0000	FLOOD RISK	1.011	13	44.1	0.350	0.225	0.2594	
2880 minute summer	13	1500	9.584	0.684	44.1	0.0000	0.0000	OK	1.012	13_OUT	44.1	3.048	0.036	0.0667	
2880 minute summer	13_OUT	2940	8.054	0.521	44.1	0.0000	0.0000	OK	Flow through pond	48	105.2	0.006	0.000	4814.8115	
2880 minute summer	14	1500	9.618	0.318	0.6	0.0000	0.0000	FLOOD RISK	2.000	15	-0.6	-0.023	-0.026	0.8136	
2880 minute summer	15	1500	9.618	0.532	5.7	4.2155	0.0000	FLOOD RISK	2.001	16	6.7	0.377	0.138	0.9254	
2880 minute summer	16	1500	9.616	0.635	5.7	0.0000	0.0000	FLOOD RISK	2.002	17	6.7	0.370	0.136	0.6320	
2880 minute summer	17	1500	9.615	0.756	10.2	2.3446	0.0000	FLOOD RISK	2.003	18	10.2	0.385	0.150	1.8750	
2880 minute summer	18	1500	9.613	0.932	18.6	5.8631	0.0000	FLOOD RISK	2.004	19	18.6	0.410	0.148	5.4890	
2880 minute summer	19	1500	9.610	1.154	33.0	10.4087	0.0000	FLOOD RISK	2.005	20	33.0	0.399	0.187	4.0828	
2880 minute summer	20	1500	9.609	1.198	33.0	0.0000	0.0000	FLOOD RISK	2.006	21	33.0	0.558	0.197	3.4978	
2880 minute summer	21	1500	9.608	1.236	33.0	0.0000	0.0000	FLOOD RISK	2.007	22	33.0	0.570	0.055	3.7404	
2880 minute summer	22	1500	9.607	1.607	42.3	6.9796	0.0000	FLOOD RISK	2.008	23	42.3	0.210	0.147	53.3017	
2880 minute summer	23	300	7.750	1.600	42.3	0.0000	0.0000	FLOOD RISK	2.009	24	42.3	0.337	0.215	0.2691	
2880 minute summer	24	1500	9.583	0.653	42.3	0.0000	0.0000	OK	2.010	24_OUT	42.3	3.009	0.034	0.0841	
2880 minute summer	24_OUT	2940	8.054	0.521	42.3	0.0000	0.0000	OK	Flow through pond	49	105.2	0.006	0.000	4814.8115	
2880 minute summer	25	1500	8.818	0.022	0.8	0.0138	0.0000	OK	3.000	26	0.8	0.402	0.045	0.0710	
2880 minute summer	26	1500	8.485	0.030	1.6	0.0586	0.0000	OK	3.001	27	1.4	0.541	0.066	0.1008	
								Infiltration			0.2				
2880 minute summer	27	1500	8.146	0.031	2.2	0.0735	0.0000	OK	3.002	28	1.9	0.660	0.082	0.0882	
								Infiltration			0.3				
2880 minute summer	28	1500	7.728	0.033	2.7	0.0557	0.0000	OK	3.003	29	2.6	0.819	0.104	0.1074	
								Infiltration			0.2				
2880 minute summer	29	1500	7.160	0.035	3.3	0.0551	0.0000	OK	3.004	30	3.1	1.008	0.111	0.0266	
								Infiltration			0.2				
2880 minute summer	30	1500	6.852	0.027	3.2	0.0032	0.0000	OK	3.005	31	3.2	0.128	0.001	0.7352	
2880 minute summer	31	1500	6.797	0.102	3.3	0.0122	0.0000	OK	3.006	32	2.5	0.652	0.001	1.1128	
								Infiltration			0.8				
2880 minute summer	32	1500	6.786	0.151	2.6	0.0182	0.0000	OK	3.007	33	0.8	0.018	0.001	0.7540	

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2880 minute summer	57	1620	8.394	0.084	1.1	0.2123	0.0000OK	Infiltration	5.052	58	1.0	0.258	0.126	0.4290
								Infiltration	0.2					
2880 minute summer	58	1620	8.393	0.148	1.4	1.0000	0.0000OK	Infiltration	5.003	59	0.8	0.251	0.117	0.3903
								Infiltration	0.4					
2880 minute summer	59	1620	8.393	0.188	1.3	1.0682	0.0000OK	Infiltration	5.004	60	0.7	0.041	0.001	4.7974
								Infiltration	0.3					
2880 minute summer	60	1620	8.393	0.208	1.1	0.9708	0.0000OK	Infiltration	5.005	61	0.4	0.026	0.000	7.7780
								Infiltration	0.4					
2880 minute summer	61	1620	8.393	0.257	0.8	0.9875	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration	0.6					
2880 minute summer	62	1500	8.143	0.908	0.4	0.0028	0.0000OK	Infiltration	5.007	63	0.4	0.040	0.000	5.5328
2880 minute summer	63	1620	8.064	0.228	0.8	0.0776	0.0000OK	Infiltration	5.008	63_OUT	0.1	0.014	0.000	5.0002
								Infiltration	0.5					
2880 minute summer	63_OUT	1620	8.064	0.269	0.4	0.1017	0.0000OK	Infiltration	0.3					
2880 minute summer	64	1620	6.444	0.258	0.2	0.0415	0.0000OK	Infiltration	8.000	65	0.1	0.023	0.000	2.3913
2880 minute summer	65	1620	6.444	0.319	0.3	0.0511	0.0000OK	Infiltration	8.001	66	0.1	0.005	0.000	3.3736
								Infiltration	0.2					
2880 minute summer	66	1620	6.444	0.351	0.3	0.0555	0.0000OK	Infiltration	8.002	67	0.1	0.001	0.000	1.9631
								Infiltration	0.2					
2880 minute summer	67	1620	8.444	0.388	0.2	0.0571	0.0000OK	Infiltration	5.003	68	0.0	0.000	0.000	0.0000
								Infiltration	0.1					
2880 minute summer	68	1500	6.083	0.007	0.2	0.0011	0.0000OK	Infiltration	8.004	69	0.2	0.009	0.000	3.7299
2880 minute summer	69	1500	6.083	0.318	0.4	0.0509	0.0000OK	Infiltration	8.005	70	0.0	0.000	0.000	0.0000
								Infiltration	0.3					
2880 minute summer	70	1620	5.887	0.132	0.2	0.0212	0.0000OK	Infiltration	8.006	71	0.2	0.014	0.000	1.6388
2880 minute summer	71	1620	5.887	0.202	0.4	0.0324	0.0000OK	Infiltration	8.007	72	0.2	0.008	0.000	3.4968
								Infiltration	0.1					
2880 minute summer	72	1620	5.887	0.202	0.4	0.0324	0.0000OK	Infiltration	8.008	73	0.0	0.000	0.000	0.0000
								Infiltration	0.3					
2880 minute summer	73	1620	6.132	0.427	0.2	0.0632	0.0000OK	Infiltration	8.009	74	0.1	0.013	0.000	2.3945
2880 minute summer	74	1620	6.132	0.427	0.3	0.0682	0.0000OK	Infiltration	8.010	75	0.1	0.018	0.000	2.6775
								Infiltration	0.1					
2880 minute summer	75	1620	6.132	0.427	0.3	0.0632	0.0000OK	Infiltration	8.011	76	0.1	0.009	0.000	2.8802
								Infiltration	0.1					
2880 minute summer	76	1620	6.132	0.497	0.3	0.0755	0.0000OK	Infiltration	8.012	76_OUT	0.1	0.001	0.000	3.0007
								Infiltration	0.1					
2880 minute summer	76_OUT	1620	6.132	0.497	0.2	0.0794	0.0000OK	Infiltration	0.1					

Results for 1000 year 2880 minute winter, 3120 minute analysis at 60 minute timestep, Mass balance: 98.61%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
2880 minute winter	1	1500	9.800	0.300	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	0.001	0.002	0.4850	
2880 minute winter	2	1500	9.800	0.350	0.1	0.0000	0.0000	FLOOD RISK	1.001	3	-0.1	-0.004	-0.007	1.1264	
2880 minute winter	3	1440	9.808	0.430	0.2	0.0000	0.0000	FLOOD RISK	1.002	4	-0.2	-0.009	-0.009	0.4988	
2880 minute winter	4	1440	9.808	0.500	0.2	0.0000	0.0000	FLOOD RISK	1.003	5	-0.2	-0.007	-0.010	0.8441	
2880 minute winter	5	1440	9.808	0.600	0.3	0.0000	0.0000	FLOOD RISK	1.004	6	-0.3	-0.009	-0.007	0.1921	
2880 minute winter	6	1500	9.800	0.700	6.7	5.8218	0.0000	FLOOD RISK	1.005	7	6.7	0.429	0.130	0.7796	
2880 minute winter	7	1500	9.800	0.850	10.5	3.4831	0.0000	FLOOD RISK	1.006	8	10.5	0.426	0.149	2.4923	
2880 minute winter	8	1500	9.802	1.052	18.2	7.2228	0.0000	FLOOD RISK	1.007	9	18.2	0.438	0.198	5.9230	
2880 minute winter	9	1500	9.599	1.249	30.8	12.1493	0.0000	FLOOD RISK	1.008	10	30.8	0.422	0.130	3.1380	
2880 minute winter	10	1500	9.599	1.299	33.2	2.3024	0.0000	FLOOD RISK	1.009	11	33.2	0.409	0.225	47.8913	
2880 minute winter	11	1500	9.584	1.584	33.2	0.0000	0.0000	FLOOD RISK	1.010	12	33.2	0.183	0.115	53.3278	
2880 minute winter	12	300	7.750	1.000	33.2	0.0000	0.0000	FLOOD RISK	1.011	13	33.2	0.288	0.169	0.2581	
2880 minute winter	13	1500	9.556	0.080	33.2	0.0000	0.0000	OK	1.012	13_OUT	33.2	2.798	0.027	0.0711	
2880 minute winter	13_OUT	2880	8.120	0.587	33.2	0.0000	0.0000	OK	Flow through pond	49	68.0	0.005	0.000	5408.2495	
2880 minute winter	14	1440	9.587	0.287	6.5	0.0000	0.0000	FLOOD RISK	2.000	15	-6.5	-0.017	-0.018	0.8138	
2880 minute winter	15	1500	9.587	0.801	5.1	3.9703	0.0000	FLOOD RISK	2.001	16	5.1	0.390	0.105	0.9254	
2880 minute winter	16	1500	9.580	0.595	5.1	0.0000	0.0000	FLOOD RISK	2.002	17	5.1	0.395	0.104	0.6320	
2880 minute winter	17	1500	9.585	0.720	7.7	2.2528	0.0000	FLOOD RISK	2.003	18	7.7	0.409	0.099	1.0750	
2880 minute winter	18	1500	9.584	0.903	14.0	5.6813	0.0000	FLOOD RISK	2.004	19	14.0	0.431	0.111	5.4690	
2880 minute winter	19	1500	9.583	1.127	24.9	10.1599	0.0000	FLOOD RISK	2.005	20	24.9	0.430	0.128	4.9528	
2880 minute winter	20	1500	9.582	1.171	24.9	0.0000	0.0000	FLOOD RISK	2.006	21	24.9	0.692	0.128	3.4979	
2880 minute winter	21	1500	9.581	1.309	24.9	0.0000	0.0000	FLOOD RISK	2.007	22	24.9	0.625	0.042	3.7404	
2880 minute winter	22	1500	9.581	1.581	31.9	8.8658	0.0000	FLOOD RISK	2.008	23	31.9	0.183	0.111	53.3017	
2880 minute winter	23	300	7.750	1.000	31.9	0.0000	0.0000	FLOOD RISK	2.009	24	31.9	0.258	0.162	0.2559	
2880 minute winter	24	1500	9.555	0.055	31.9	0.0000	0.0000	OK	2.010	24_OUT	31.9	2.764	0.028	0.0691	
2880 minute winter	24_OUT	2880	8.120	0.587	31.9	0.0000	0.0000	OK	Flow through pond	49	68.0	0.005	0.000	5408.2495	
2880 minute winter	25	1440	8.615	0.018	0.6	0.0126	0.0000	OK	3.000	26	0.6	0.372	0.033	0.0575	
2880 minute winter	26	1440	8.460	0.025	1.2	0.0457	0.0000	OK	3.001	27	1.0	0.495	0.063	0.0894	
2880 minute winter	27							Infiltration			0.2				
2880 minute winter	27	1440	8.141	0.026	1.6	0.0560	0.0000	OK	3.002	28	1.3	0.623	0.068	0.0700	
2880 minute winter	28							Infiltration			0.3				
2880 minute winter	28	1440	7.723	0.028	1.9	0.0452	0.0000	OK	3.003	29	1.8	0.747	0.075	0.0846	
2880 minute winter	29							Infiltration			0.2				
2880 minute winter	29	1440	7.095	0.030	2.4	0.0423	0.0000	OK	3.004	30	2.2	0.921	0.080	0.0164	
2880 minute winter	30							Infiltration			0.1				
2880 minute winter	30	1440	6.547	0.022	2.3	0.0020	0.0000	OK	3.005	31	2.3	0.138	0.001	0.6330	
2880 minute winter	31	1500	6.785	0.090	2.4	0.0108	0.0000	OK	3.006	32	1.7	0.052	0.001	0.9850	
2880 minute winter	32							Infiltration			0.7				

2880 minute winter	32	1580	6.785	0.140	1.8	0.0188	0.0000	OK	3.087	33	0.2	0.094	0.000	0.0599
									Infiltration		0.8			
									Infiltration		0.9			
2880 minute winter	33	1580	6.785	0.010	0.3	0.0012	0.0000	OK	3.088	34	0.3	0.068	0.000	0.0570
2880 minute winter	34	1580	6.752	0.007	0.4	0.0008	0.0000	OK	3.089	35	0.3	0.096	0.000	0.0320
									Infiltration		0.1			
2880 minute winter	35	1580	6.881	0.050	0.4	0.0007	0.0000	OK	3.010	36	0.4	0.012	0.000	0.4757
									Infiltration		0.0			
2880 minute winter	36	1580	6.621	0.116	0.5	0.0132	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
2880 minute winter	37	1080	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.006	0.000	0.5365
2880 minute winter	38	1320	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.030	0.000	0.3805
									Infiltration		0.3			
									Infiltration		0.4			
2880 minute winter	39	1080	6.462	0.007	0.5	0.0008	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461
									Infiltration		0.0			
2880 minute winter	40	1080	6.701	0.000	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.118	0.000	0.0386
									Infiltration		0.0			
2880 minute winter	41	1080	6.871	0.006	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324
									Infiltration		0.0			
2880 minute winter	42	1080	7.089	0.004	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.054	0.000	0.0319
									Infiltration		0.0			
2880 minute winter	43	1080	7.150	0.005	0.2	0.0008	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251
									Infiltration		0.0			
2880 minute winter	44	1080	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202
2880 minute winter	45	1080	7.199	0.004	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0268
									Infiltration		0.0			
2880 minute winter	46	1080	7.130	0.005	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357
									Infiltration		0.0			
2880 minute winter	47	1080	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.058	0.000	0.0613
									Infiltration		0.0			
2880 minute winter	48	3120	6.809	0.144	0.4	0.0173	0.0000	OK	3.023	53	0.4	0.065	0.001	1.3313
									Infiltration		0.1			
2880 minute winter	49	2880	8.112	0.112	76.3	1.5808	0.0000	OK	Orifice	50	1.1			
									Infiltration		0.0			
2880 minute winter	50	2880	7.423	0.023	1.1	0.0000	0.0000	OK	4.001	51	1.1	0.683	0.048	0.0104
2880 minute winter	51	2880	7.320	0.020	1.1	0.0000	0.0000	OK	4.002	52	1.1	0.750	0.037	0.0054
2880 minute winter	52	2940	7.221	0.021	1.1	0.0000	0.0000	OK	4.003	53	1.1	0.722	0.041	0.0035
2880 minute winter	53	3120	6.938	0.154	1.1	0.0185	0.0000	OK	3.024	54	0.7	0.112	0.000	2.5055
									Infiltration		0.2			
2880 minute winter	54	3120	6.939	0.314	0.7	0.0377	0.0000	OK	3.025	54_OUT	0.6	0.013	0.000	4.9471
									Infiltration		0.3			
2880 minute winter	54_OUT	3120	6.939	0.434	0.6	0.0521	0.0000	OK	Infiltration		0.4			

2880 minute winter	55	1320	8.466	0.020	0.3	0.0076	0.0000	OK	5.090	56	0.3	0.297	0.041	0.0243
2880 minute winter	56	1320	8.437	0.021	0.8	0.0408	0.0000	OK	5.091	57	0.5	0.259	0.041	0.1019
									Infiltration		0.1			
2880 minute winter	57	1680	8.381	0.071	0.8	0.1571	0.0000	OK	5.092	58	0.7	0.238	0.093	0.3672
									Infiltration		0.2			
2880 minute winter	58	1680	8.381	0.136	1.0	0.8904	0.0000	OK	5.093	59	0.7	0.251	0.093	0.3811
									Infiltration		0.4			
2880 minute winter	59	1680	8.390	0.175	1.0	0.9798	0.0000	OK	5.094	60	0.5	0.041	0.001	4.4042
									Infiltration		0.3			
2880 minute winter	60	1680	8.380	0.195	0.8	0.0854	0.0000	OK	5.095	61	0.3	0.026	0.000	7.2217
									Infiltration		0.4			
2880 minute winter	61	1680	8.380	0.244	0.8	0.0831	0.0000	OK	5.096	62	0.0	0.000	0.000	0.0000
									Infiltration		0.8			
2880 minute winter	62	1380	8.143	0.097	0.3	0.0624	0.0000	OK	5.097	63	0.3	0.040	0.000	5.3535
2880 minute winter	63	1680	8.658	0.222	0.5	0.0756	0.0000	OK	5.098	63_OUT	0.1	0.014	0.000	4.8544
									Infiltration		0.5			
2880 minute winter	63_OUT	1880	8.959	0.283	0.4	0.0997	0.0000	OK	Infiltration		0.3			
2880 minute winter	64	2040	6.357	0.172	0.1	0.0275	0.0000	OK	5.099	65	0.1	0.024	0.000	1.4890
2880 minute winter	65	2040	6.357	0.232	0.2	0.0371	0.0000	OK	5.091	66	0.1	0.005	0.000	2.2361
									Infiltration		0.1			
2880 minute winter	66	2040	6.357	0.284	0.2	0.0417	0.0000	OK	5.092	67	0.0	0.002	0.000	1.3363
									Infiltration		0.2			
2880 minute winter	67	2040	6.357	0.251	0.1	0.0438	0.0000	OK	5.093	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
2880 minute winter	68	960	6.679	0.093	0.1	0.0054	0.0000	OK	5.094	69	0.1	0.009	0.000	2.1988
2880 minute winter	69	2040	5.880	0.215	0.2	0.0345	0.0000	OK	5.095	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
2880 minute winter	70	2040	5.794	0.039	0.1	0.0082	0.0000	OK	5.096	71	0.1	0.014	0.000	0.3996
2880 minute winter	71	2040	5.794	0.109	0.2	0.0174	0.0000	OK	5.097	72	0.1	0.006	0.000	1.6267
									Infiltration		0.1			
2880 minute winter	72	2040	5.794	0.109	0.2	0.0174	0.0000	OK	5.098	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
2880 minute winter	73	2040	6.959	0.353	0.1	0.0585	0.0000	OK	5.099	74	0.1	0.013	0.000	1.8020
2880 minute winter	74	2040	6.959	0.353	0.2	0.0585	0.0000	OK	5.010	75	0.1	0.019	0.000	2.0405
									Infiltration		0.1			
2880 minute winter	75	2040	6.658	0.353	0.2	0.0565	0.0000	OK	5.011	76	0.1	0.005	0.000	2.2384
									Infiltration		0.1			
2880 minute winter	76	2040	6.959	0.423	0.2	0.0843	0.0000	OK	5.012	76_OUT	0.1	0.002	0.000	2.3881
									Infiltration		0.1			
2880 minute winter	76_OUT	2040	6.058	0.423	0.2	0.0677	0.0000	OK	Infiltration		0.1			

Results for 1000 year 4320 minute summer, 4560 minute analysis at 60 minute timestep. Mass balance: 88.56%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute summer	1	2220	9.604	0.304	0.1	0.0090	0.0000	FLOOD RISK	1.000	2	-0.1	-0.004	-0.005	0.4853	
4320 minute summer	2	2220	9.604	0.354	0.2	0.0000	0.0000	FLOOD RISK	1.001	3	-0.2	-0.007	-0.011	1.1264	
4320 minute summer	3	2220	9.603	0.453	0.4	0.0000	0.0000	FLOOD RISK	1.002	4	-0.4	-0.084	-0.021	0.4988	
4320 minute summer	4	2220	9.604	0.504	0.8	0.0000	0.0000	FLOOD RISK	1.003	5	-0.8	-0.043	-0.037	0.8441	
4320 minute summer	5	2220	9.603	0.603	1.1	0.0000	0.0000	FLOOD RISK	1.004	6	-1.1	-0.037	-0.031	0.1821	
4320 minute summer	6	2220	9.604	0.704	6.5	5.7999	0.0000	FLOOD RISK	1.005	7	6.5	0.378	0.134	0.7796	
4320 minute summer	7	2220	9.602	0.852	10.3	3.4728	0.0000	FLOOD RISK	1.006	8	10.3	0.373	0.140	2.4923	
4320 minute summer	8	2220	9.600	1.050	17.8	7.2080	0.0000	FLOOD RISK	1.007	9	17.8	0.374	0.185	5.9230	
4320 minute summer	9	2220	9.597	1.247	30.2	12.1270	0.0000	FLOOD RISK	1.008	10	30.2	0.357	0.127	3.1360	
4320 minute summer	10	2220	9.586	1.286	32.5	2.2984	0.0000	FLOOD RISK	1.009	11	32.5	0.332	0.220	47.8813	
4320 minute summer	11	2220	9.582	1.582	32.5	0.0000	0.0000	FLOOD RISK	1.010	12	32.5	0.188	0.110	63.3278	
4320 minute summer	12	360	7.750	1.008	32.5	0.0000	0.0000	FLOOD RISK	1.011	13	32.5	0.262	0.188	0.2559	
4320 minute summer	13	2220	9.555	0.655	32.5	0.0000	0.0000	OK	1.012	13_OUT	32.5	2.778	0.028	0.0701	
4320 minute summer	13_OUT	4360	8.093	0.560	32.5	0.0000	0.0000	OK	Flow through pond	48	80.3	0.004	0.000	5176.7539	
4320 minute summer	14	2220	9.585	0.285	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.007	-0.007	0.8130	
4320 minute summer	15	2220	9.585	0.489	5.0	3.9573	0.0000	FLOOD RISK	2.001	16	5.0	0.320	0.103	0.9254	
4320 minute summer	16	2220	9.584	0.593	5.0	0.0000	0.0000	FLOOD RISK	2.002	17	5.0	0.343	0.102	0.6320	
4320 minute summer	17	2220	9.583	0.724	7.6	2.2479	0.0000	FLOOD RISK	2.003	18	7.6	0.357	0.097	1.8750	
4320 minute summer	18	2220	9.583	0.902	13.8	5.8715	0.0000	FLOOD RISK	2.004	19	13.8	0.374	0.110	5.4890	
4320 minute summer	19	2220	9.581	1.125	24.4	10.1453	0.0000	FLOOD RISK	2.005	20	24.4	0.357	0.124	4.0828	
4320 minute summer	20	2220	9.580	1.189	24.4	0.0000	0.0000	FLOOD RISK	2.006	21	24.4	0.498	0.123	3.4978	
4320 minute summer	21	2220	9.580	1.208	24.4	0.0000	0.0000	FLOOD RISK	2.007	22	24.4	0.513	0.041	3.7404	
4320 minute summer	22	2220	9.578	1.579	31.3	8.8597	0.0000	FLOOD RISK	2.008	23	31.3	0.150	0.109	53.3017	
4320 minute summer	23	360	7.750	1.600	31.3	0.0000	0.0000	FLOOD RISK	2.009	24	31.3	0.250	0.158	0.2658	
4320 minute summer	24	2220	9.554	0.654	31.3	0.0000	0.0000	OK	2.010	24_OUT	31.3	2.747	0.025	0.0682	
4320 minute summer	24_OUT	4360	8.093	0.560	31.3	0.0000	0.0000	OK	Flow through pond	49	80.3	0.004	0.000	5176.7539	
4320 minute summer	25	2220	8.815	0.019	0.6	0.0120	0.0000	OK	3.000	26	0.6	0.372	0.033	0.0575	
4320 minute summer	26	2220	8.486	0.025	1.2	0.0457	0.0000	OK	3.001	27	1.0	0.495	0.003	0.0804	
								Infiltration			0.2				
4320 minute summer	27	2220	8.141	0.028	1.6	0.0580	0.0000	OK	3.002	28	1.3	0.623	0.008	0.0760	
								Infiltration			0.3				
4320 minute summer	28	2220	7.723	0.028	1.9	0.0452	0.0000	OK	3.003	29	1.8	0.747	0.075	0.0848	
								Infiltration			0.2				
4320 minute summer	29	2220	7.095	0.030	2.4	0.0423	0.0000	OK	3.004	30	2.2	0.921	0.080	0.0164	
								Infiltration			0.1				
4320 minute summer	30	2220	6.847	0.022	2.3	0.0020	0.0000	OK	3.005	31	2.3	0.138	0.001	0.8330	
4320 minute summer	31	2220	6.785	0.080	2.4	0.0108	0.0000	OK	3.006	32	1.7	0.652	0.001	0.9950	
								Infiltration			0.7				
4320 minute summer	32	2220	6.785	0.140	1.8	0.0108	0.0000	OK	3.007	33	0.2	0.004	0.000	0.6598	

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4320 minute summer	57	2280	8.350	0.040	0.8	0.0584	0.0000OK	Infiltration	5.052	58	0.7	0.238	0.000	0.2587
4320 minute summer	58	2280	8.348	0.103	1.0	0.8185	0.0000OK	Infiltration	5.003	59	0.7	0.251	0.000	0.3357
4320 minute summer	59	2280	8.348	0.143	1.0	0.7687	0.0000OK	Infiltration	5.004	60	0.5	0.041	0.000	3.4886
4320 minute summer	60	2280	8.348	0.183	0.8	0.8555	0.0000OK	Infiltration	5.005	61	0.3	0.028	0.000	5.8838
4320 minute summer	61	2280	8.348	0.212	0.6	0.6721	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
4320 minute summer	62	2220	8.143	0.907	0.3	0.0024	0.0000OK	Infiltration	5.007	63	0.3	0.040	0.000	4.4242
4320 minute summer	63	2340	8.028	0.192	0.6	0.0653	0.0000OK	Infiltration	5.008	63_OUT	0.1	0.014	0.000	4.1150
4320 minute summer	63_OUT	2340	8.028	0.263	0.4	0.0894	0.0000OK	Infiltration	5.009					
4320 minute summer	64	2640	6.344	0.158	0.1	0.0255	0.0000OK	Infiltration	8.000	65	0.1	0.024	0.000	1.3681
4320 minute summer	65	2640	6.344	0.219	0.2	0.0351	0.0000OK	Infiltration	8.001	66	0.1	0.005	0.000	2.0835
4320 minute summer	66	2640	6.344	0.251	0.2	0.0587	0.0000OK	Infiltration	8.002	67	0.0	0.000	0.000	1.2518
4320 minute summer	67	2640	6.344	0.288	0.1	0.0416	0.0000OK	Infiltration	8.003	68	0.0	0.000	0.000	0.0000
4320 minute summer	68	1800	6.079	0.003	0.1	0.0004	0.0000OK	Infiltration	8.004	69	0.1	0.009	0.000	2.1837
4320 minute summer	69	2640	5.979	0.214	0.2	0.0343	0.0000OK	Infiltration	8.005	70	0.0	0.000	0.000	0.0000
4320 minute summer	70	2640	5.791	0.038	0.1	0.0057	0.0000OK	Infiltration	8.006	71	0.1	0.014	0.000	0.3823
4320 minute summer	71	2640	5.791	0.106	0.2	0.0159	0.0000OK	Infiltration	8.007	72	0.1	0.008	0.000	1.5745
4320 minute summer	72	2640	5.791	0.106	0.2	0.0189	0.0000OK	Infiltration	8.008	73	0.0	0.000	0.000	0.0000
4320 minute summer	73	2640	6.032	0.327	0.1	0.0524	0.0000OK	Infiltration	8.009	74	0.1	0.013	0.000	1.6215
4320 minute summer	74	2640	6.032	0.327	0.2	0.0524	0.0000OK	Infiltration	8.010	75	0.1	0.018	0.000	1.8362
4320 minute summer	75	2640	6.032	0.327	0.2	0.0524	0.0000OK	Infiltration	8.011	76	0.1	0.009	0.000	2.0315
4320 minute summer	76	2640	6.032	0.397	0.2	0.0604	0.0000OK	Infiltration	8.012	76_OUT	0.1	0.001	0.000	2.1835
4320 minute summer	76_OUT	2640	6.032	0.397	0.2	0.0636	0.0000OK	Infiltration	8.013					

Results for 1000 year 4320 minute winter, 4500 minute analysis at 60 minute timestep. Mass balance: 88.70%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
4320 minute winter	1	2160	9.574	0.274	0.2	0.0000	0.0000	FLOOD RISK	1.000	2	-0.2	-0.012	-0.011	0.4653	
4320 minute winter	2	2220	9.574	0.324	0.7	0.0000	0.0000	FLOOD RISK	1.001	3	-0.7	-0.024	-0.037	1.1284	
4320 minute winter	3	2160	9.575	0.425	0.9	0.0000	0.0000	FLOOD RISK	1.002	4	-0.9	-0.030	-0.044	0.4586	
4320 minute winter	4	2220	9.575	0.475	1.0	0.0000	0.0000	FLOOD RISK	1.003	5	-1.0	-0.033	-0.044	0.8441	
4320 minute winter	5	2220	9.575	0.575	1.1	0.0000	0.0000	FLOOD RISK	1.004	6	-1.1	-0.057	-0.030	0.1621	
4320 minute winter	6	2160	9.574	0.674	4.8	5.5603	0.0000	FLOOD RISK	1.005	7	4.8	0.393	0.099	0.7796	
4320 minute winter	7	2160	9.574	0.824	7.6	3.3571	0.0000	FLOOD RISK	1.006	8	7.6	0.385	0.109	2.4923	
4320 minute winter	8	2220	9.572	1.022	13.2	7.0184	0.0000	FLOOD RISK	1.007	9	13.2	0.395	0.122	5.9230	
4320 minute winter	9	2220	9.571	1.221	22.3	11.8725	0.0000	FLOOD RISK	1.008	10	22.3	0.383	0.094	3.1360	
4320 minute winter	10	2220	9.578	1.270	24.0	2.2526	0.0000	FLOOD RISK	1.009	11	24.0	0.368	0.162	47.6613	
4320 minute winter	11	2220	9.583	1.563	24.0	0.0000	0.0000	FLOOD RISK	1.010	12	24.0	0.222	0.083	53.3278	
4320 minute winter	12	420	7.750	1.000	24.0	0.0000	0.0000	FLOOD RISK	1.011	13	24.0	0.197	0.122	0.2532	
4320 minute winter	13	2220	9.548	0.048	24.0	0.0000	0.0000	OK	1.012	13_OUT	24.0	2.535	0.019	0.0587	
4320 minute winter	13_OUT	4320	8.162	0.828	24.0	0.0000	0.0000	OK	Flow through pond		49	41.2	0.004	0.000	5808.5576
4320 minute winter	14	2160	9.564	0.264	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.004	-0.004	0.8136	
4320 minute winter	15	2160	9.564	0.478	3.7	3.7809	0.0000	FLOOD RISK	2.001	16	3.7	0.343	0.078	0.9254	
4320 minute winter	16	2160	9.564	0.573	3.7	0.0000	0.0000	FLOOD RISK	2.002	17	3.7	0.357	0.075	0.6320	
4320 minute winter	17	2160	9.563	0.704	5.6	2.1850	0.0000	FLOOD RISK	2.003	18	5.6	0.367	0.072	1.8750	
4320 minute winter	18	2160	9.563	0.882	10.2	5.5485	0.0000	FLOOD RISK	2.004	19	10.2	0.394	0.081	5.4890	
4320 minute winter	19	2220	9.562	1.108	18.0	9.9723	0.0000	FLOOD RISK	2.005	20	18.0	0.384	0.091	4.0628	
4320 minute winter	20	2220	9.561	1.150	18.0	0.0000	0.0000	FLOOD RISK	2.006	21	18.0	0.538	0.091	3.4978	
4320 minute winter	21	2220	9.561	1.188	18.0	0.0000	0.0000	FLOOD RISK	2.007	22	18.0	0.555	0.090	3.7404	
4320 minute winter	22	2220	9.561	1.561	23.1	8.7801	0.0000	FLOOD RISK	2.008	23	23.1	0.145	0.080	53.3017	
4320 minute winter	23	420	7.750	1.000	23.1	0.0000	0.0000	FLOOD RISK	2.009	24	23.1	0.190	0.118	0.2631	
4320 minute winter	24	2220	9.547	0.047	23.1	0.0000	0.0000	OK	2.010	24_OUT	23.1	2.508	0.019	0.0552	
4320 minute winter	24_OUT	4200	8.162	0.828	23.1	0.0000	0.0000	OK	Flow through pond		49	41.2	0.004	0.000	5808.5576
4320 minute winter	25	1980	8.812	0.018	0.4	0.0099	0.0000	OK	3.000	26	0.4	0.335	0.022	0.0425	
4320 minute winter	26	1980	8.458	0.021	0.8	0.0324	0.0000	OK	3.001	27	0.8	0.438	0.040	0.0561	
									Infiltration			0.2			
4320 minute winter	27	1980	8.136	0.021	1.0	0.0382	0.0000	OK	3.002	28	0.8	0.541	0.041	0.0500	
									Infiltration			0.2			
4320 minute winter	28	1980	7.717	0.022	1.2	0.0314	0.0000	OK	3.003	29	1.1	0.552	0.045	0.0600	
									Infiltration			0.1			
4320 minute winter	29	1980	7.089	0.023	1.5	0.0295	0.0000	OK	3.004	30	1.4	0.806	0.050	0.0116	
									Infiltration			0.1			
4320 minute winter	30	1980	6.842	0.017	1.5	0.0020	0.0000	OK	3.005	31	1.5	0.128	0.001	0.3901	
4320 minute winter	31	2340	6.751	0.058	1.6	0.0087	0.0000	OK	3.006	32	1.2	0.052	0.001	0.0641	
									Infiltration			0.4			
4320 minute winter	32	2220	6.751	0.108	1.4	0.0127	0.0000	OK	3.007	33	-0.1	-0.004	0.000	0.4548	

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4320 minute winter	57	1800	8.335	0.025	0.5	0.0250	0.0000OK	Infiltration	0.1				
4320 minute winter	58	2840	8.290	0.045	0.7	0.1488	0.0000OK	5.002	58	0.5	0.238	0.058	0.0981
4320 minute winter	59	2840	8.290	0.085	0.7	0.4109	0.0000OK	Infiltration	0.1				
4320 minute winter	60	2840	8.290	0.105	0.7	0.0350	0.0000OK	5.003	59	0.5	0.251	0.071	0.1838
4320 minute winter	61	2840	8.290	0.154	0.5	0.0623	0.0000OK	Infiltration	0.3				
4320 minute winter	62	1890	8.142	0.006	0.2	0.0018	0.0000OK	5.004	60	0.5	0.041	0.001	1.9574
4320 minute winter	63	2840	7.980	0.150	0.4	0.0509	0.0000OK	Infiltration	0.3				
4320 minute winter	63_OUT	2840	7.980	0.221	0.3	0.0751	0.0000OK	5.005	61	0.3	0.028	0.000	3.7262
4320 minute winter	64	2880	6.365	0.180	0.1	0.0298	0.0000OK	Infiltration	0.3				
4320 minute winter	65	2880	6.365	0.240	0.2	0.0385	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
4320 minute winter	66	2880	6.365	0.272	0.2	0.0430	0.0000OK	Infiltration	0.4				
4320 minute winter	67	2880	6.365	0.280	0.1	0.0449	0.0000OK	5.007	63	0.2	0.040	0.000	3.2853
4320 minute winter	68	1580	6.578	0.003	0.1	0.0004	0.0000OK	5.008	63_OUT	0.1	0.014	0.000	3.1884
4320 minute winter	69	2880	5.981	0.218	0.2	0.0345	0.0000OK	Infiltration	0.3				
4320 minute winter	70	2880	5.795	0.040	0.1	0.0065	0.0000OK	Infiltration	0.3				
4320 minute winter	71	2880	5.795	0.110	0.2	0.0177	0.0000OK	6.000	65	0.1	0.024	0.000	1.5688
4320 minute winter	72	2880	5.795	0.110	0.2	0.0177	0.0000OK	6.001	66	0.1	0.005	0.000	2.3375
4320 minute winter	73	2880	6.578	0.371	0.1	0.0594	0.0000OK	Infiltration	0.1				
4320 minute winter	74	2880	6.078	0.371	0.2	0.0694	0.0000OK	6.002	67	0.0	0.001	0.000	1.3923
4320 minute winter	75	2880	6.578	0.371	0.2	0.0594	0.0000OK	Infiltration	0.2				
4320 minute winter	76	2880	6.078	0.441	0.2	0.0671	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
4320 minute winter	76_OUT	2880	6.578	0.441	0.2	0.0708	0.0000OK	Infiltration	0.1				
4320 minute winter	77	2880	6.578	0.003	0.1	0.0004	0.0000OK	6.004	69	0.1	0.009	0.000	2.2032
4320 minute winter	78	2880	5.981	0.218	0.2	0.0345	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
4320 minute winter	79	2880	5.795	0.040	0.1	0.0065	0.0000OK	Infiltration	0.2				
4320 minute winter	80	2880	5.795	0.110	0.2	0.0177	0.0000OK	6.006	71	0.1	0.014	0.000	0.4097
4320 minute winter	81	2880	5.795	0.110	0.2	0.0177	0.0000OK	6.007	72	0.1	0.000	0.000	1.6559
4320 minute winter	82	2880	6.578	0.371	0.1	0.0594	0.0000OK	Infiltration	0.1				
4320 minute winter	83	2880	6.078	0.371	0.2	0.0694	0.0000OK	6.008	73	0.0	0.000	0.000	0.0000
4320 minute winter	84	2880	6.578	0.371	0.1	0.0594	0.0000OK	Infiltration	0.2				
4320 minute winter	85	2880	6.078	0.441	0.2	0.0671	0.0000OK	6.009	74	0.1	0.013	0.000	1.9347
4320 minute winter	86	2880	6.578	0.371	0.2	0.0594	0.0000OK	6.010	75	0.1	0.019	0.000	2.1908
4320 minute winter	87	2880	6.578	0.371	0.2	0.0594	0.0000OK	Infiltration	0.1				
4320 minute winter	88	2880	6.078	0.441	0.2	0.0671	0.0000OK	6.011	76	0.1	0.000	0.000	2.3991
4320 minute winter	89	2880	6.578	0.371	0.1	0.0594	0.0000OK	Infiltration	0.1				
4320 minute winter	90	2880	6.078	0.441	0.2	0.0671	0.0000OK	6.012	76_OUT	0.1	0.001	0.000	2.5180
4320 minute winter	91	2880	6.578	0.371	0.1	0.0594	0.0000OK	Infiltration	0.1				
4320 minute winter	92	2880	6.078	0.441	0.2	0.0671	0.0000OK	Infiltration	0.1				

Results for 1000 year 5760 minute summer, 6000 minute analysis at 60 minute timestep. Mass balance: 88.82%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute summer	1	2940	9.583	0.283	0.1	0.0090	0.0000	FLOOD RISK	1.090	2	-0.1	-0.005	-0.007	0.4853	
5760 minute summer	2	2940	9.583	0.333	0.2	0.0090	0.0000	FLOOD RISK	1.001	3	-0.2	-0.008	-0.012	1.1264	
5760 minute summer	3	2940	9.582	0.432	0.4	0.0090	0.0000	FLOOD RISK	1.002	4	-0.4	-0.028	-0.018	0.4988	
5760 minute summer	4	2940	9.582	0.482	0.7	0.0090	0.0000	FLOOD RISK	1.003	5	-0.7	-0.028	-0.031	0.8441	
5760 minute summer	5	2880	9.582	0.582	0.9	0.0090	0.0000	FLOOD RISK	1.004	6	-0.9	-0.027	-0.023	0.1821	
5760 minute summer	6	2880	9.582	0.682	5.3	5.6282	0.0000	FLOOD RISK	1.005	7	5.3	0.355	0.108	0.7795	
5760 minute summer	7	2940	9.581	0.831	8.4	3.3891	0.0000	FLOOD RISK	1.006	8	8.4	0.347	0.120	2.4923	
5760 minute summer	8	2940	9.580	1.030	14.5	7.0698	0.0000	FLOOD RISK	1.007	9	14.5	0.348	0.134	5.9230	
5760 minute summer	9	2940	9.578	1.228	24.6	11.9431	0.0000	FLOOD RISK	1.008	10	24.6	0.327	0.104	3.1360	
5760 minute summer	10	2940	9.578	1.278	26.5	2.2653	0.0000	FLOOD RISK	1.009	11	26.5	0.319	0.179	47.8513	
5760 minute summer	11	2940	9.588	1.588	28.5	0.0000	0.0000	FLOOD RISK	1.010	12	28.5	0.138	0.082	63.3278	
5760 minute summer	12	420	7.750	1.008	28.5	0.0000	0.0000	FLOOD RISK	1.011	13	28.5	0.216	0.135	0.2540	
5760 minute summer	13	2940	9.558	0.650	28.5	0.0000	0.0000	OK	1.012	13_OUT	28.5	2.811	0.021	0.0608	
5760 minute summer	13_OUT	5820	8.128	0.592	28.5	0.0000	0.0000	OK	Flow through pond	48	31.3	0.003	0.000	5481.4844	
5760 minute summer	14	2940	9.589	0.298	0.3	0.0000	0.0000	FLOOD RISK	2.050	15	-0.3	-0.011	-0.009	0.8130	
5760 minute summer	15	2880	9.588	0.483	4.0	3.8322	0.0000	FLOOD RISK	2.001	16	4.0	0.302	0.083	0.9254	
5760 minute summer	16	2880	9.588	0.578	4.0	0.0000	0.0000	FLOOD RISK	2.002	17	4.0	0.322	0.081	0.6320	
5760 minute summer	17	2880	9.588	0.708	6.1	2.2010	0.0000	FLOOD RISK	2.003	18	6.1	0.325	0.078	1.8750	
5760 minute summer	18	2940	9.588	0.887	11.1	5.5783	0.0000	FLOOD RISK	2.004	19	11.1	0.346	0.088	5.4890	
5760 minute summer	19	2940	9.587	1.111	19.7	10.5186	0.0000	FLOOD RISK	2.005	20	19.7	0.327	0.100	4.0828	
5760 minute summer	20	2940	9.586	1.155	19.7	0.0000	0.0000	FLOOD RISK	2.006	21	19.7	0.452	0.100	3.4978	
5760 minute summer	21	2940	9.586	1.194	19.7	0.0000	0.0000	FLOOD RISK	2.007	22	19.7	0.481	0.033	3.7404	
5760 minute summer	22	2880	9.565	1.583	25.3	8.8005	0.0000	FLOOD RISK	2.008	23	25.3	0.128	0.088	53.3017	
5760 minute summer	23	420	7.750	1.600	25.3	0.0000	0.0000	FLOOD RISK	2.009	24	25.3	0.207	0.128	0.2638	
5760 minute summer	24	2940	9.549	0.048	25.3	0.0000	0.0000	OK	2.010	24_OUT	25.3	2.578	0.020	0.0588	
5760 minute summer	24_OUT	5820	8.128	0.592	25.3	0.0000	0.0000	OK	Flow through pond	49	31.3	0.003	0.000	5481.4844	
5760 minute summer	25	2940	8.813	0.017	0.5	0.0110	0.0000	OK	3.000	26	0.5	0.356	0.028	0.0502	
5760 minute summer	26	2940	8.458	0.023	1.0	0.0091	0.0000	OK	3.001	27	0.8	0.489	0.051	0.0095	
								Infiltration			0.2				
5760 minute summer	27	2940	8.138	0.024	1.3	0.0471	0.0000	OK	3.002	28	1.1	0.585	0.053	0.0802	
								Infiltration			0.2				
5760 minute summer	28	2940	7.720	0.025	1.6	0.0384	0.0000	OK	3.003	29	1.4	0.703	0.050	0.0728	
								Infiltration			0.2				
5760 minute summer	29	2940	7.092	0.027	1.8	0.0380	0.0000	OK	3.004	30	1.8	0.897	0.085	0.0141	
								Infiltration			0.1				
5760 minute summer	30	2940	6.844	0.018	1.9	0.0023	0.0000	OK	3.005	31	1.8	0.138	0.001	0.5445	
5760 minute summer	31	2940	6.774	0.079	2.0	0.0094	0.0000	OK	3.006	32	1.4	0.652	0.001	0.8799	
								Infiltration			0.8				
5760 minute summer	32	2940	6.774	0.128	1.6	0.0154	0.0000	OK	3.007	33	-0.1	-0.003	0.000	0.5708	

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5760 minute summer	57	2640	8.335	0.028	0.5	0.0250	0.0000OK	Infiltration	5.032	58	0.5	0.238	0.059	0.0978
5760 minute summer	58	3240	8.299	0.045	0.7	0.1451	0.0000OK	Infiltration	5.003	59	0.5	0.251	0.071	0.1620
5760 minute summer	59	3240	8.283	0.084	0.7	0.4071	0.0000OK	Infiltration	5.004	60	0.5	0.041	0.001	1.9422
5760 minute summer	60	3240	8.289	0.104	0.7	0.9354	0.0000OK	Infiltration	5.005	61	0.3	0.028	0.000	3.7042
5760 minute summer	61	3240	8.288	0.153	0.5	0.5521	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
5760 minute summer	62	2700	8.142	0.006	0.2	0.0018	0.0000OK	Infiltration	5.007	63	0.2	0.040	0.000	3.1851
5760 minute summer	63	3240	7.983	0.147	0.4	0.0499	0.0000OK	Infiltration	5.008	63_OUT	0.1	0.014	0.000	3.0994
5760 minute summer	63_OUT	3240	7.983	0.218	0.3	0.0740	0.0000OK	Infiltration	5.009		0.3			
5760 minute summer	64	3420	6.351	0.166	0.1	0.0256	0.0000OK	Infiltration	6.000	65	0.1	0.024	0.000	1.4352
5760 minute summer	65	3420	6.351	0.226	0.2	0.0382	0.0000OK	Infiltration	6.001	66	0.1	0.005	0.000	2.1876
5760 minute summer	66	3420	6.351	0.258	0.2	0.0408	0.0000OK	Infiltration	6.002	67	0.0	0.002	0.000	1.2984
5760 minute summer	67	3420	6.351	0.273	0.1	0.0427	0.0000OK	Infiltration	6.003	68	0.0	0.000	0.000	0.0000
5760 minute summer	68	2460	6.079	0.003	0.1	0.0004	0.0000OK	Infiltration	6.004	69	0.1	0.009	0.000	2.1932
5760 minute summer	69	3420	5.980	0.215	0.2	0.0344	0.0000OK	Infiltration	6.005	70	0.0	0.000	0.000	0.0000
5760 minute summer	70	3420	5.792	0.037	0.1	0.0080	0.0000OK	Infiltration	6.006	71	0.1	0.014	0.000	0.3923
5760 minute summer	71	3420	5.792	0.107	0.2	0.0172	0.0000OK	Infiltration	6.007	72	0.1	0.008	0.000	1.6044
5760 minute summer	72	3420	5.792	0.107	0.2	0.0172	0.0000OK	Infiltration	6.008	73	0.0	0.000	0.000	0.0000
5760 minute summer	73	3420	6.048	0.341	0.1	0.0546	0.0000OK	Infiltration	6.009	74	0.1	0.013	0.000	1.7188
5760 minute summer	74	3420	6.048	0.341	0.2	0.0546	0.0000OK	Infiltration	6.010	75	0.1	0.018	0.000	1.9463
5760 minute summer	75	3420	6.048	0.341	0.2	0.0546	0.0000OK	Infiltration	6.011	76	0.1	0.009	0.000	2.1431
5760 minute summer	76	3420	6.048	0.411	0.2	0.0625	0.0000OK	Infiltration	6.012	76_OUT	0.1	0.001	0.000	2.2739
5760 minute summer	76_OUT	3420	6.048	0.411	0.2	0.0658	0.0000OK	Infiltration	6.013		0.1			

Results for 1000 year 5760 minute winter, 8000 minute analysis at 60 minute timestep. Mass balance: 88.76%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
5760 minute winter	1	2820	9.560	0.260	0.2	0.0000	0.0000	FLOOD RISK	1.000	2	-0.2	-0.007	-0.009	0.4653	
5760 minute winter	2	2840	9.560	0.310	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.014	-0.022	1.1284	
5760 minute winter	3	2940	9.560	0.410	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.073	-0.024	0.4686	
5760 minute winter	4	2940	9.560	0.460	0.8	0.0000	0.0000	FLOOD RISK	1.003	5	-0.8	-0.041	-0.034	0.8441	
5760 minute winter	5	2940	9.560	0.560	1.0	0.0000	0.0000	FLOOD RISK	1.004	6	-1.0	-0.033	-0.027	0.1621	
5760 minute winter	6	2880	9.560	0.660	3.8	5.4407	0.0000	FLOOD RISK	1.005	7	3.8	0.367	0.079	0.7796	
5760 minute winter	7	2880	9.559	0.808	6.0	3.2984	0.0000	FLOOD RISK	1.006	8	6.0	0.385	0.086	2.4920	
5760 minute winter	8	2880	9.558	1.009	10.4	6.9243	0.0000	FLOOD RISK	1.007	9	10.4	0.374	0.096	5.9230	
5760 minute winter	9	2880	9.558	1.208	17.7	11.7447	0.0000	FLOOD RISK	1.008	10	17.7	0.360	0.075	3.1260	
5760 minute winter	10	2880	9.558	1.258	19.1	2.2296	0.0000	FLOOD RISK	1.009	11	19.1	0.332	0.129	47.6613	
5760 minute winter	11	2880	9.553	1.553	19.1	0.0000	0.0000	FLOOD RISK	1.010	12	19.1	0.240	0.066	53.3278	
5760 minute winter	12	480	7.750	1.000	19.1	0.0000	0.0000	FLOOD RISK	1.011	13	19.1	0.156	0.097	0.2514	
5760 minute winter	13	2940	9.543	0.043	19.1	0.0000	0.0000	OK	1.012	13_OUT	19.1	2.369	0.015	0.0483	
5760 minute winter	13_OUT	5700	8.198	0.864	19.1	0.0000	0.0000	OK	Flow through pond	49	71.5	0.604	0.000	8138.5290	
5760 minute winter	14	2940	9.553	0.253	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.008	-0.005	0.8136	
5760 minute winter	15	2880	9.553	0.467	2.9	3.7019	0.0000	FLOOD RISK	2.001	16	2.9	0.323	0.060	0.9254	
5760 minute winter	16	2940	9.553	0.582	2.9	0.0000	0.0000	FLOOD RISK	2.002	17	2.9	0.343	0.059	0.5320	
5760 minute winter	17	2940	9.552	0.893	4.4	2.1516	0.0000	FLOOD RISK	2.003	18	4.4	0.357	0.056	1.8750	
5760 minute winter	18	2940	9.552	0.871	8.0	5.4801	0.0000	FLOOD RISK	2.004	19	8.0	0.374	0.064	5.4890	
5760 minute winter	19	2880	9.552	1.098	14.3	9.8800	0.0000	FLOOD RISK	2.005	20	14.3	0.357	0.073	4.0628	
5760 minute winter	20	2880	9.551	1.140	14.3	0.0000	0.0000	FLOOD RISK	2.006	21	14.3	0.499	0.072	3.4978	
5760 minute winter	21	2940	9.551	1.179	14.3	0.0000	0.0000	FLOOD RISK	2.007	22	14.3	0.511	0.024	3.7404	
5760 minute winter	22	2840	9.551	1.551	18.3	8.7372	0.0000	FLOOD RISK	2.008	23	18.3	0.158	0.064	53.3017	
5760 minute winter	23	480	7.750	1.000	18.3	0.0000	0.0000	FLOOD RISK	2.009	24	18.3	0.152	0.063	0.2514	
5760 minute winter	24	2940	9.542	0.042	18.3	0.0000	0.0000	OK	2.010	24_OUT	18.3	2.337	0.015	0.0458	
5760 minute winter	24_OUT	5700	8.198	0.864	18.3	0.0000	0.0000	OK	Flow through pond	49	71.5	0.604	0.000	8138.5290	
5760 minute winter	25	2460	8.810	0.014	0.3	0.0087	0.0000	OK	3.000	26	0.3	0.311	0.017	0.0343	
5760 minute winter	26	2460	8.453	0.018	0.6	0.0255	0.0000	OK	3.001	27	0.5	0.399	0.029	0.0460	
									Infiltration		0.1				
5760 minute winter	27	2460	8.133	0.018	0.8	0.0292	0.0000	OK	3.002	28	0.6	0.487	0.029	0.0391	
									Infiltration		0.2				
5760 minute winter	28	2460	7.714	0.018	0.9	0.0244	0.0000	OK	3.003	29	0.8	0.587	0.032	0.0458	
									Infiltration		0.1				
5760 minute winter	29	2480	7.085	0.020	1.1	0.0230	0.0000	OK	3.004	30	1.0	0.726	0.035	0.0091	
									Infiltration		0.1				
5760 minute winter	30	2520	6.838	0.014	1.1	0.0017	0.0000	OK	3.005	31	1.1	0.138	0.000	0.2336	
5760 minute winter	31	2820	6.727	0.032	1.2	0.0038	0.0000	OK	3.006	32	1.0	0.052	0.001	0.4443	
									Infiltration		0.2				
5760 minute winter	32	2760	6.728	0.081	1.1	0.0097	0.0000	OK	3.007	33	-0.1	-0.003	0.000	0.3357	

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5760 minute winter	57	2640	8.335	0.025	0.5	0.0250	0.0000OK	Infiltration	0.1				
								\$_002	58	0.5	0.238	0.058	0.0978
5760 minute winter	58	3240	8.298	0.045	0.7	0.1451	0.0000OK	Infiltration	0.1				
								\$_003	59	0.5	0.250	0.071	0.1620
5760 minute winter	59	3240	8.288	0.084	0.7	0.4071	0.0000OK	Infiltration	0.3				
								\$_004	60	0.5	0.041	0.001	1.9422
5760 minute winter	60	3240	8.288	0.104	0.7	0.0354	0.0000OK	Infiltration	0.3				
								\$_005	61	0.3	0.028	0.050	3.7642
5760 minute winter	61	3240	8.288	0.153	0.5	0.0621	0.0000OK	Infiltration	0.3				
								\$_006	62	0.0	0.000	0.000	0.0000
5760 minute winter	62	2700	8.142	0.006	0.2	0.0018	0.0000OK	Infiltration	0.4				
								\$_007	63	0.2	0.040	0.000	3.1882
5760 minute winter	63	3240	7.983	0.147	0.4	0.0499	0.0000OK	Infiltration	0.1				
								\$_008	63_OUT	0.1	0.014	0.000	3.1028
5760 minute winter	63_OUT	3240	7.983	0.218	0.3	0.0741	0.0000OK	Infiltration	0.3				
								\$_009	64	0.1	0.024	0.000	1.5682
5760 minute winter	64	3600	6.368	0.183	0.1	0.0290	0.0000OK	Infiltration	0.3				
								\$_000	65	0.1	0.024	0.000	1.5682
5760 minute winter	65	3600	6.368	0.243	0.2	0.0389	0.0000OK	Infiltration	0.1				
								\$_001	66	0.1	0.005	0.000	2.3747
5760 minute winter	66	3600	6.368	0.275	0.2	0.0430	0.0000OK	Infiltration	0.1				
								\$_002	67	0.0	0.001	0.000	1.4128
5760 minute winter	67	3600	6.368	0.282	0.1	0.0453	0.0000OK	Infiltration	0.2				
								\$_003	68	0.0	0.000	0.000	0.0000
5760 minute winter	68	2220	6.578	0.003	0.1	0.0004	0.0000OK	Infiltration	0.1				
								\$_004	69	0.1	0.009	0.000	2.2041
5760 minute winter	69	3600	5.981	0.218	0.2	0.0345	0.0000OK	Infiltration	0.0				
								\$_005	70	0.0	0.000	0.000	0.0000
5760 minute winter	70	3600	5.798	0.041	0.1	0.0065	0.0000OK	Infiltration	0.2				
								\$_006	71	0.1	0.014	0.000	0.4128
5760 minute winter	71	3600	5.798	0.111	0.2	0.0177	0.0000OK	Infiltration	0.1				
								\$_007	72	0.1	0.000	0.000	1.6650
5760 minute winter	72	3600	5.798	0.111	0.2	0.0177	0.0000OK	Infiltration	0.1				
								\$_008	73	0.0	0.000	0.000	0.0000
5760 minute winter	73	3600	6.583	0.378	0.1	0.0605	0.0000OK	Infiltration	0.2				
								\$_009	74	0.1	0.013	0.000	1.9874
5760 minute winter	74	3600	6.083	0.378	0.2	0.0605	0.0000OK	Infiltration	0.1				
								\$_010	75	0.1	0.019	0.000	2.2505
5760 minute winter	75	3600	6.583	0.378	0.2	0.0605	0.0000OK	Infiltration	0.1				
								\$_011	76	0.1	0.000	0.000	2.4500
5760 minute winter	76	3600	6.083	0.448	0.2	0.0681	0.0000OK	Infiltration	0.1				
								\$_012	76_OUT	0.1	0.001	0.000	2.5774
5760 minute winter	76_OUT	3600	6.583	0.448	0.2	0.0717	0.0000OK	Infiltration	0.1				
								\$_013		0.1			

Results for 1000 year 7200 minute summer, 7440 minute analysis at 60 minute timestep. Mass balance: 88.87%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	1	3600	9.570	0.270	0.2	0.0000	0.0000	FLOOD RISK	1.000	2	-0.2	-0.007	-0.007	0.4853	
7200 minute summer	2	3600	9.570	0.320	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.014	-0.022	1.1264	
7200 minute summer	3	3600	9.570	0.420	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.028	-0.026	0.4988	
7200 minute summer	4	3600	9.570	0.470	0.6	0.0000	0.0000	FLOOD RISK	1.003	5	-0.6	-0.023	-0.026	0.8441	
7200 minute summer	5	3600	9.570	0.570	0.7	0.0000	0.0000	FLOOD RISK	1.004	6	-0.7	-0.023	-0.019	0.1821	
7200 minute summer	6	3600	9.570	0.670	4.5	5.5205	0.0000	FLOOD RISK	1.005	7	4.5	0.340	0.093	0.7795	
7200 minute summer	7	3600	9.589	0.818	7.1	3.3378	0.0000	FLOOD RISK	1.006	8	7.1	0.337	0.101	2.4923	
7200 minute summer	8	3600	9.568	1.018	12.3	6.9885	0.0000	FLOOD RISK	1.007	9	12.3	0.334	0.114	5.9230	
7200 minute summer	9	3600	9.557	1.217	20.8	11.8295	0.0000	FLOOD RISK	1.008	10	20.8	0.307	0.088	3.1360	
7200 minute summer	10	3600	9.566	1.266	22.4	2.2449	0.0000	FLOOD RISK	1.009	11	22.4	0.287	0.152	47.8813	
7200 minute summer	11	3600	9.556	1.568	22.4	0.0000	0.0000	FLOOD RISK	1.010	12	22.4	0.141	0.070	63.3278	
7200 minute summer	12	540	7.750	1.008	22.4	0.0000	0.0000	FLOOD RISK	1.011	13	22.4	0.184	0.114	0.2526	
7200 minute summer	13	3600	9.548	0.648	22.4	0.0000	0.0000	OK	1.012	13_OUT	22.4	2.484	0.018	0.0540	
7200 minute summer	13_OUT	7140	8.151	0.818	22.4	0.0000	0.0000	OK	Flow through pond	48	48.1	0.002	0.000	5719.0894	
7200 minute summer	14	3600	9.560	0.296	0.3	0.0000	0.0000	FLOOD RISK	2.000	15	-0.3	-0.012	-0.009	0.8130	
7200 minute summer	15	3600	9.560	0.474	3.4	3.7582	0.0000	FLOOD RISK	2.001	16	3.4	0.277	0.070	0.9254	
7200 minute summer	16	3600	9.560	0.589	3.4	0.0000	0.0000	FLOOD RISK	2.002	17	3.4	0.294	0.069	0.6320	
7200 minute summer	17	3600	9.559	0.700	5.2	2.1730	0.0000	FLOOD RISK	2.003	18	5.2	0.305	0.057	1.8750	
7200 minute summer	18	3600	9.558	0.878	9.4	5.5226	0.0000	FLOOD RISK	2.004	19	9.4	0.322	0.075	5.4890	
7200 minute summer	19	3600	9.558	1.102	16.7	9.8392	0.0000	FLOOD RISK	2.005	20	16.7	0.309	0.085	4.0828	
7200 minute summer	20	3600	9.558	1.147	16.7	0.0000	0.0000	FLOOD RISK	2.006	21	16.7	0.427	0.084	3.4978	
7200 minute summer	21	3600	9.558	1.166	16.7	0.0000	0.0000	FLOOD RISK	2.007	22	16.7	0.463	0.028	3.7404	
7200 minute summer	22	3600	9.557	1.557	21.4	8.7647	0.0000	FLOOD RISK	2.008	23	21.4	0.199	0.074	53.3017	
7200 minute summer	23	540	7.750	1.600	21.4	0.0000	0.0000	FLOOD RISK	2.009	24	21.4	0.176	0.109	0.2625	
7200 minute summer	24	3600	9.543	0.945	21.4	0.0000	0.0000	OK	2.010	24_OUT	21.4	2.452	0.017	0.0522	
7200 minute summer	24_OUT	7200	8.151	0.818	21.4	0.0000	0.0000	OK	Flow through pond	49	48.1	0.002	0.000	5719.0894	
7200 minute summer	25	3600	8.812	0.016	0.4	0.0099	0.0000	OK	3.000	26	0.4	0.336	0.022	0.0425	
7200 minute summer	26	3600	8.456	0.021	0.6	0.0024	0.0000	OK	3.001	27	0.6	0.438	0.040	0.0581	
								Infiltration			0.2				
7200 minute summer	27	3600	8.136	0.021	1.0	0.0382	0.0000	OK	3.002	28	0.8	0.541	0.041	0.0500	
								Infiltration			0.2				
7200 minute summer	28	3600	7.717	0.022	1.2	0.0314	0.0000	OK	3.003	29	1.1	0.652	0.040	0.0600	
								Infiltration			0.1				
7200 minute summer	29	3600	7.068	0.023	1.5	0.0295	0.0000	OK	3.004	30	1.4	0.806	0.050	0.0116	
								Infiltration			0.1				
7200 minute summer	30	3600	6.842	0.017	1.5	0.0020	0.0000	OK	3.005	31	1.5	0.128	0.001	0.3901	
7200 minute summer	31	3720	6.751	0.056	1.6	0.0087	0.0000	OK	3.006	32	1.2	0.652	0.001	0.0841	
								Infiltration			0.4				
7200 minute summer	32	3720	6.751	0.106	1.4	0.0127	0.0000	OK	3.007	33	-0.1	-0.004	0.000	0.4548	

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7200 minute summer	57	3420	8.335	0.028	0.5	0.0250	0.0000OK	Infiltration	5.052	58	0.5	0.238	0.059	0.0988
7200 minute summer	58	3900	8.289	0.044	0.7	0.1397	0.0000OK	Infiltration	5.003	59	0.5	0.251	0.071	0.1590
7200 minute summer	59	3900	8.288	0.083	0.7	0.4013	0.0000OK	Infiltration	5.004	60	0.5	0.041	0.001	1.9192
7200 minute summer	60	3900	8.288	0.103	0.7	0.9351	0.0000OK	Infiltration	5.005	61	0.3	0.028	0.000	3.6710
7200 minute summer	61	3900	8.288	0.162	0.5	0.5518	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
7200 minute summer	62	3480	8.142	0.008	0.2	0.0018	0.0000OK	Infiltration	5.007	63	0.2	0.040	0.000	3.1081
7200 minute summer	63	3900	7.980	0.144	0.4	0.0489	0.0000OK	Infiltration	5.008	63_OUT	0.1	0.014	0.000	3.0358
7200 minute summer	63_OUT	3900	7.980	0.215	0.3	0.0730	0.0000OK	Infiltration	5.009		0.3			
7200 minute summer	64	4140	6.351	0.166	0.1	0.0256	0.0000OK	Infiltration	6.000	65	0.1	0.024	0.000	1.4352
7200 minute summer	65	4140	6.351	0.226	0.2	0.0382	0.0000OK	Infiltration	6.001	66	0.1	0.005	0.000	2.1876
7200 minute summer	66	4140	6.351	0.258	0.2	0.0408	0.0000OK	Infiltration	6.002	67	0.0	0.002	0.000	1.2984
7200 minute summer	67	4140	6.351	0.273	0.1	0.0427	0.0000OK	Infiltration	6.003	68	0.0	0.000	0.000	0.0000
7200 minute summer	68	3180	6.079	0.003	0.1	0.0004	0.0000OK	Infiltration	6.004	69	0.1	0.009	0.000	2.1922
7200 minute summer	69	4140	5.980	0.215	0.2	0.0344	0.0000OK	Infiltration	6.005	70	0.0	0.000	0.000	0.0000
7200 minute summer	70	4140	5.792	0.037	0.1	0.0080	0.0000OK	Infiltration	6.006	71	0.1	0.014	0.000	0.3923
7200 minute summer	71	4140	5.792	0.107	0.2	0.0172	0.0000OK	Infiltration	6.007	72	0.1	0.008	0.000	1.6044
7200 minute summer	72	4140	5.792	0.107	0.2	0.0172	0.0000OK	Infiltration	6.008	73	0.0	0.000	0.000	0.0000
7200 minute summer	73	4140	6.048	0.341	0.1	0.0546	0.0000OK	Infiltration	6.009	74	0.1	0.013	0.000	1.7188
7200 minute summer	74	4140	6.048	0.341	0.2	0.0546	0.0000OK	Infiltration	6.010	75	0.1	0.018	0.000	1.8463
7200 minute summer	75	4140	6.048	0.341	0.2	0.0546	0.0000OK	Infiltration	6.011	76	0.1	0.009	0.000	2.1431
7200 minute summer	76	4140	6.048	0.411	0.2	0.0625	0.0000OK	Infiltration	6.012	76_OUT	0.1	0.001	0.000	2.2739
7200 minute summer	76_OUT	4140	6.048	0.411	0.2	0.0658	0.0000OK	Infiltration	6.013		0.1			

Results for 1000 year 7200 minute winter, 7440 minute analysis at 60 minute timestep. Mass balance: 88.80%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute winter	1	3600	9.552	0.252	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.034	-0.005	0.4653	
7200 minute winter	2	3600	9.552	0.302	0.5	0.0000	0.0000	FLOOD RISK	1.001	3	-0.5	-0.028	-0.024	1.1284	
7200 minute winter	3	3600	9.552	0.402	0.8	0.0000	0.0000	FLOOD RISK	1.002	4	-0.8	-0.027	-0.038	0.4686	
7200 minute winter	4	3600	9.552	0.452	0.9	0.0000	0.0000	FLOOD RISK	1.003	5	-0.9	-0.029	-0.039	0.8441	
7200 minute winter	5	3600	9.552	0.552	1.0	0.0000	0.0000	FLOOD RISK	1.004	6	-1.0	-0.031	-0.028	0.1621	
7200 minute winter	6	3600	9.552	0.652	3.2	5.3743	0.0000	FLOOD RISK	1.005	7	3.2	0.355	0.068	0.7796	
7200 minute winter	7	3600	9.552	0.802	5.1	3.2870	0.0000	FLOOD RISK	1.006	8	5.1	0.347	0.073	2.4923	
7200 minute winter	8	3600	9.551	1.001	8.8	8.8703	0.0000	FLOOD RISK	1.007	9	8.8	0.356	0.081	5.9230	
7200 minute winter	9	3600	9.550	1.200	14.9	11.6714	0.0000	FLOOD RISK	1.008	10	14.9	0.341	0.063	3.1280	
7200 minute winter	10	3600	9.550	1.250	16.1	2.2184	0.0000	FLOOD RISK	1.009	11	16.1	0.314	0.109	47.8813	
7200 minute winter	11	3600	9.547	1.547	16.1	0.0000	0.0000	FLOOD RISK	1.010	12	16.1	0.239	0.056	53.3278	
7200 minute winter	12	600	7.750	1.000	16.1	0.0000	0.0000	FLOOD RISK	1.011	13	16.1	0.134	0.082	0.2504	
7200 minute winter	13	3600	9.540	0.540	16.1	0.0000	0.0000	OK	1.012	13_OUT	16.1	2.242	0.013	0.0430	
7200 minute winter	13_OUT	7080	8.227	0.894	16.1	0.0000	0.0000	OK	Flow through pond		49	63.5	0.004	0.000	8415.1548
7200 minute winter	14	3600	9.547	0.247	0.3	0.0000	0.0000	FLOOD RISK	2.000	15	-0.3	-0.069	-0.008	0.8136	
7200 minute winter	15	3600	9.547	0.481	2.5	3.6652	0.0000	FLOOD RISK	2.001	16	2.5	0.363	0.052	0.9254	
7200 minute winter	16	3600	9.547	0.556	2.5	0.0000	0.0000	FLOOD RISK	2.002	17	2.5	0.322	0.051	0.6320	
7200 minute winter	17	3600	9.547	0.888	3.8	2.1337	0.0000	FLOOD RISK	2.003	18	3.8	0.325	0.049	1.8750	
7200 minute winter	18	3600	9.546	0.865	6.9	5.4443	0.0000	FLOOD RISK	2.004	19	6.9	0.346	0.055	5.4890	
7200 minute winter	19	3600	9.546	1.090	12.2	9.6301	0.0000	FLOOD RISK	2.005	20	12.2	0.332	0.062	4.0628	
7200 minute winter	20	3600	9.548	1.135	12.2	0.0000	0.0000	FLOOD RISK	2.006	21	12.2	0.480	0.062	3.4978	
7200 minute winter	21	3600	9.548	1.174	12.2	0.0000	0.0000	FLOOD RISK	2.007	22	12.2	0.483	0.020	3.7404	
7200 minute winter	22	3600	9.546	1.548	15.6	8.7139	0.0000	FLOOD RISK	2.008	23	15.6	0.171	0.054	53.3017	
7200 minute winter	23	600	7.750	1.000	15.6	0.0000	0.0000	FLOOD RISK	2.009	24	15.6	0.130	0.079	0.2604	
7200 minute winter	24	3600	9.539	0.038	15.6	0.0000	0.0000	OK	2.010	24_OUT	15.6	2.220	0.013	0.0421	
7200 minute winter	24_OUT	7080	8.227	0.894	15.6	0.0000	0.0000	OK	Flow through pond		49	63.5	0.004	0.000	8415.1548
7200 minute winter	25	3360	8.810	0.014	0.3	0.0087	0.0000	OK	3.000	26	0.3	0.311	0.017	0.0343	
7200 minute winter	26	3360	8.453	0.018	0.6	0.0255	0.0000	OK	3.001	27	0.5	0.399	0.029	0.0460	
									Infiltration			0.1			
7200 minute winter	27	3360	8.133	0.018	0.8	0.0292	0.0000	OK	3.002	28	0.6	0.487	0.029	0.0391	
									Infiltration			0.2			
7200 minute winter	28	3360	7.714	0.018	0.9	0.0244	0.0000	OK	3.003	29	0.8	0.587	0.032	0.0458	
									Infiltration			0.1			
7200 minute winter	29	3360	7.085	0.020	1.1	0.0230	0.0000	OK	3.004	30	1.0	0.726	0.035	0.0091	
									Infiltration			0.1			
7200 minute winter	30	3480	6.838	0.014	1.1	0.0017	0.0000	OK	3.005	31	1.1	0.137	0.000	0.2336	
7200 minute winter	31	3780	6.727	0.032	1.2	0.0038	0.0000	OK	3.006	32	1.0	0.052	0.001	0.4443	
									Infiltration			0.2			
7200 minute winter	32	3720	6.728	0.081	1.1	0.0097	0.0000	OK	3.007	33	-0.1	-0.003	0.000	0.3357	

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									infiltration			0.0		
7200 minute winter	57	2220	8.327	0.017	0.3	0.0136	0.0000OK	S.002	58		0.2	0.177	0.027	0.0376
								infiltration			0.0			
7200 minute winter	58	2340	8.285	0.020	0.3	0.0326	0.0000OK	S.003	59		0.2	0.209	0.028	0.0224
								infiltration			0.1			
7200 minute winter	59	2220	8.217	0.012	0.3	0.0157	0.0000OK	S.004	60		0.2	0.041	0.000	0.3381
								infiltration			0.1			
7200 minute winter	60	3900	8.210	0.025	0.3	0.0087	0.0000OK	S.005	61		0.3	0.026	0.000	1.2742
								infiltration			0.1			
7200 minute winter	61	3900	8.210	0.074	0.4	0.0253	0.0000OK	S.006	62		0.0	0.000	0.000	0.0000
								infiltration			0.3			
7200 minute winter	62	2280	8.140	0.004	0.1	0.0013	0.0000OK	S.007	63		0.1	0.040	0.000	1.1175
7200 minute winter	63	5100	7.894	0.058	0.2	0.0198	0.0000OK	S.008	63_OUT		0.1	0.014	0.000	1.4024
								infiltration			0.1			
7200 minute winter	63_OUT	5100	7.894	0.129	0.2	0.0439	0.0000OK	infiltration			0.2			
7200 minute winter	64	4320	6.365	0.180	0.1	0.0286	0.0000OK	S.009	65		0.1	0.024	0.000	1.5690
7200 minute winter	65	4320	6.365	0.249	0.2	0.0385	0.0000OK	S.001	66		0.1	0.065	0.000	2.3375
								infiltration			0.1			
7200 minute winter	66	4320	6.365	0.272	0.2	0.0430	0.0000OK	S.002	67		0.0	0.001	0.000	1.3923
								infiltration			0.2			
7200 minute winter	67	4320	6.365	0.289	0.1	0.0449	0.0000OK	S.003	68		0.0	0.000	0.000	0.0000
								infiltration			0.1			
7200 minute winter	68	3000	6.579	0.003	0.1	0.0004	0.0000OK	S.004	69		0.1	0.009	0.000	2.2032
7200 minute winter	69	4320	5.981	0.218	0.2	0.0345	0.0000OK	S.005	70		0.0	0.000	0.000	0.0000
								infiltration			0.2			
7200 minute winter	70	4320	5.795	0.040	0.1	0.0065	0.0000OK	S.006	71		0.1	0.014	0.000	0.4697
7200 minute winter	71	4320	5.795	0.110	0.2	0.0177	0.0000OK	S.007	72		0.1	0.000	0.000	1.6559
								infiltration			0.1			
7200 minute winter	72	4320	5.795	0.110	0.2	0.0177	0.0000OK	S.008	73		0.0	0.000	0.000	0.0000
								infiltration			0.2			
7200 minute winter	73	4320	6.576	0.371	0.1	0.0594	0.0000OK	S.009	74		0.1	0.013	0.000	1.9347
7200 minute winter	74	4320	6.075	0.371	0.2	0.0694	0.0000OK	S.010	75		0.1	0.019	0.000	2.1808
								infiltration			0.1			
7200 minute winter	75	4320	6.576	0.371	0.2	0.0594	0.0000OK	S.011	75		0.1	0.000	0.000	2.3901
								infiltration			0.1			
7200 minute winter	76	4320	6.075	0.441	0.2	0.0671	0.0000OK	S.012	76_OUT		0.1	0.001	0.000	2.5180
								infiltration			0.1			

Results for 1000 year 8640 minute summer, 8640 minute analysis at 60 minute timestep. Mass balance: 88.72%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute summer	1	4320	9.561	0.281	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.008	-0.008	0.4653	
8640 minute summer	2	4320	9.561	0.311	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.015	-0.021	1.1284	
8640 minute summer	3	4380	9.561	0.411	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.024	-0.025	0.4686	
8640 minute summer	4	4380	9.561	0.461	0.6	0.0000	0.0000	FLOOD RISK	1.003	5	-0.6	-0.019	-0.026	0.8441	
8640 minute summer	5	4320	9.561	0.581	0.8	0.0000	0.0000	FLOOD RISK	1.004	6	-0.8	-0.023	-0.017	0.1621	
8640 minute summer	6	4380	9.561	0.681	3.9	5.4509	0.0000	FLOOD RISK	1.005	7	3.9	0.319	0.080	0.7796	
8640 minute summer	7	4320	9.561	0.811	8.2	3.3042	0.0000	FLOOD RISK	1.006	8	8.2	0.307	0.088	2.4923	
8640 minute summer	8	4380	9.560	1.018	10.7	6.9313	0.0000	FLOOD RISK	1.007	9	10.7	0.318	0.098	5.9236	
8640 minute summer	9	4320	9.558	1.209	18.1	11.7548	0.0000	FLOOD RISK	1.008	10	18.1	0.298	0.078	3.1280	
8640 minute summer	10	4320	9.558	1.258	19.5	2.2314	0.0000	FLOOD RISK	1.009	11	19.5	0.283	0.132	47.8613	
8640 minute summer	11	4320	9.553	1.553	19.5	0.0000	0.0000	FLOOD RISK	1.010	12	19.5	0.148	0.068	53.3278	
8640 minute summer	12	600	7.750	1.008	19.5	0.0000	0.0000	FLOOD RISK	1.011	13	19.5	0.161	0.099	0.2516	
8640 minute summer	13	4380	9.543	0.643	19.5	0.0000	0.0000	OK	1.012	13_OUT	19.5	2.385	0.018	0.0490	
8640 minute summer	13_OUT	8640	8.179	0.648	19.5	0.0000	0.0000	OK	Flow through pond	49	28.6	0.002	0.000	5958.4526	
8640 minute summer	14	4320	9.554	0.254	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.010	-0.007	0.8136	
8640 minute summer	15	4320	9.554	0.488	3.0	3.7092	0.0000	FLOOD RISK	2.001	16	3.0	0.277	0.062	0.9254	
8640 minute summer	16	4320	9.554	0.583	3.0	0.0000	0.0000	FLOOD RISK	2.002	17	3.0	0.294	0.061	0.5320	
8640 minute summer	17	4320	9.553	0.694	4.5	2.1544	0.0000	FLOOD RISK	2.003	18	4.5	0.305	0.058	1.8750	
8640 minute summer	18	4320	9.553	0.872	8.2	5.4856	0.0000	FLOOD RISK	2.004	19	8.2	0.309	0.065	5.4890	
8640 minute summer	19	4380	9.552	1.098	14.6	9.5879	0.0000	FLOOD RISK	2.005	20	14.6	0.295	0.074	4.5628	
8640 minute summer	20	4380	9.552	1.141	14.6	0.0000	0.0000	FLOOD RISK	2.006	21	14.6	0.410	0.074	3.4978	
8640 minute summer	21	4320	9.552	1.186	14.6	0.0000	0.0000	FLOOD RISK	2.007	22	14.6	0.431	0.025	3.7604	
8640 minute summer	22	4320	9.552	1.552	18.7	6.7408	0.0000	FLOOD RISK	2.008	23	18.7	0.101	0.065	53.3017	
8640 minute summer	23	600	7.750	1.600	18.7	0.0000	0.0000	FLOOD RISK	2.009	24	18.7	0.155	0.095	0.2615	
8640 minute summer	24	4380	9.543	0.643	18.7	0.0000	0.0000	OK	2.010	24_OUT	18.7	2.353	0.015	0.0476	
8640 minute summer	24_OUT	8640	8.179	0.648	18.7	0.0000	0.0000	OK	Flow through pond	49	28.9	0.002	0.000	5858.4526	
8640 minute summer	25	4080	8.810	0.014	0.3	0.0087	0.0000	OK	3.000	26	0.3	0.311	0.017	0.0343	
8640 minute summer	26	4080	8.453	0.018	0.6	0.0255	0.0000	OK	3.001	27	0.5	0.399	0.028	0.0480	
									Infiltration		0.1				
8640 minute summer	27	4080	8.133	0.018	0.8	0.0292	0.0000	OK	3.002	28	0.6	0.487	0.029	0.0391	
									Infiltration		0.2				
8640 minute summer	28	4080	7.714	0.018	0.9	0.0244	0.0000	OK	3.003	29	0.6	0.587	0.032	0.0458	
									Infiltration		0.1				
8640 minute summer	29	4080	7.065	0.020	1.1	0.0230	0.0000	OK	3.004	30	1.0	0.728	0.035	0.0091	
									Infiltration		0.1				
8640 minute summer	30	4200	6.839	0.014	1.1	0.0017	0.0000	OK	3.005	31	1.1	0.137	0.000	0.2336	
8640 minute summer	31	4500	6.727	0.032	1.2	0.0038	0.0000	OK	3.006	32	1.0	0.052	0.001	0.4443	
									Infiltration		0.2				
8640 minute summer	32	4440	6.728	0.081	1.1	0.0097	0.0000	OK	3.007	33	-0.1	-0.003	0.000	0.3357	

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8640 minute summer	57	4250	8.335	0.028	0.5	0.0250	0.0000OK	Infiltration		0.1			
8640 minute summer	58	4500	8.283	0.038	0.7	0.1044	0.0000OK	S.002	58	0.5	0.238	0.059	0.0828
8640 minute summer	59	4500	8.281	0.078	0.7	0.3897	0.0000OK	Infiltration		0.1			
8640 minute summer	60	4500	8.281	0.090	0.7	0.9328	0.0000OK	S.003	59	0.5	0.250	0.071	0.1382
8640 minute summer	61	4500	8.281	0.145	0.5	0.0494	0.0000OK	Infiltration		0.2			
8640 minute summer	62	4320	8.142	0.000	0.2	0.0018	0.0000OK	S.004	60	0.5	0.041	0.001	1.7571
8640 minute summer	63	4500	7.966	0.130	0.4	0.0443	0.0000OK	Infiltration		0.3			
8640 minute summer	63_OUT	4500	7.966	0.201	0.3	0.0684	0.0000OK	S.005	61	0.3	0.028	0.000	3.4363
8640 minute summer	64	4860	6.351	0.166	0.1	0.0250	0.0000OK	Infiltration		0.3			
8640 minute summer	65	4860	6.351	0.226	0.2	0.0382	0.0000OK	S.006	62	0.0	0.000	0.000	0.0000
8640 minute summer	66	4860	6.351	0.258	0.2	0.0408	0.0000OK	Infiltration		0.4			
8640 minute summer	67	4860	6.351	0.275	0.1	0.0427	0.0000OK	S.007	63	0.2	0.040	0.000	2.7678
8640 minute summer	68	3900	6.079	0.003	0.1	0.0004	0.0000OK	S.008	63_OUT	0.1	0.014	0.000	2.7545
8640 minute summer	69	4860	5.980	0.215	0.2	0.0344	0.0000OK	Infiltration		0.3			
8640 minute summer	70	4860	5.792	0.037	0.1	0.0080	0.0000OK	S.009	64	0.3			
8640 minute summer	71	4860	5.792	0.107	0.2	0.0172	0.0000OK	S.000	65	0.1	0.024	0.000	1.4352
8640 minute summer	72	4860	5.792	0.107	0.2	0.0172	0.0000OK	S.001	66	0.1	0.005	0.000	2.1676
8640 minute summer	73	4860	6.046	0.341	0.1	0.0546	0.0000OK	Infiltration		0.1			
8640 minute summer	74	4860	6.046	0.341	0.2	0.0546	0.0000OK	S.002	67	0.0	0.002	0.000	1.2984
8640 minute summer	75	4860	6.046	0.341	0.2	0.0546	0.0000OK	Infiltration		0.2			
8640 minute summer	76	4860	6.046	0.411	0.2	0.0625	0.0000OK	S.003	68	0.0	0.000	0.000	0.0000
8640 minute summer	76_OUT	4860	6.046	0.411	0.2	0.0658	0.0000OK	Infiltration		0.1			
8640 minute summer	77	4860	6.046	0.411	0.2	0.0658	0.0000OK	S.004	69	0.1	0.009	0.000	2.1932
8640 minute summer	78	4860	6.046	0.411	0.2	0.0658	0.0000OK	S.005	70	0.0	0.000	0.000	0.0000
8640 minute summer	79	4860	6.046	0.411	0.2	0.0658	0.0000OK	Infiltration		0.2			
8640 minute summer	80	4860	6.046	0.411	0.2	0.0658	0.0000OK	S.006	71	0.1	0.014	0.000	0.3923
8640 minute summer	81	4860	6.046	0.411	0.2	0.0658	0.0000OK	S.007	72	0.1	0.008	0.000	1.8044
8640 minute summer	82	4860	6.046	0.411	0.2	0.0658	0.0000OK	Infiltration		0.1			
8640 minute summer	83	4860	6.046	0.411	0.2	0.0658	0.0000OK	S.008	73	0.0	0.000	0.000	0.0000
8640 minute summer	84	4860	6.046	0.411	0.2	0.0658	0.0000OK	Infiltration		0.2			
8640 minute summer	85	4860	6.046	0.411	0.2	0.0658	0.0000OK	S.009	74	0.1	0.013	0.000	1.7138
8640 minute summer	86	4860	6.046	0.411	0.2	0.0658	0.0000OK	S.010	75	0.1	0.018	0.000	1.8483
8640 minute summer	87	4860	6.046	0.411	0.2	0.0658	0.0000OK	Infiltration		0.1			
8640 minute summer	88	4860	6.046	0.411	0.2	0.0658	0.0000OK	S.011	76	0.1	0.008	0.000	2.1431
8640 minute summer	89	4860	6.046	0.411	0.2	0.0658	0.0000OK	Infiltration		0.1			
8640 minute summer	90	4860	6.046	0.411	0.2	0.0658	0.0000OK	S.012	76_OUT	0.1	0.001	0.000	2.2739
8640 minute summer	91	4860	6.046	0.411	0.2	0.0658	0.0000OK	Infiltration		0.1			
8640 minute summer	92	4860	6.046	0.411	0.2	0.0658	0.0000OK	Infiltration		0.1			

Results for 1000 year 8640 minute winter, 8880 minute analysis at 60 minute timestep. Mass balance: 88.84%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
8640 minute winter	1	4320	9.547	0.247	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.003	-0.004	0.4653	
8640 minute winter	2	4320	9.547	0.297	0.3	0.0000	0.0000	FLOOD RISK	1.001	3	-0.3	-0.021	-0.013	1.1284	
8640 minute winter	3	4440	9.547	0.397	0.6	0.0000	0.0000	FLOOD RISK	1.002	4	-0.6	-0.022	-0.027	0.4686	
8640 minute winter	4	4380	9.547	0.447	0.7	0.0000	0.0000	FLOOD RISK	1.003	5	-0.7	-0.023	-0.032	0.8441	
8640 minute winter	5	4320	9.547	0.547	0.8	0.0000	0.0000	FLOOD RISK	1.004	6	-0.8	-0.025	-0.021	0.1621	
8640 minute winter	6	4320	9.547	0.647	2.9	5.3317	0.0000	FLOOD RISK	1.005	7	2.8	0.340	0.058	0.7796	
8640 minute winter	7	4320	9.548	0.796	4.4	3.2453	0.0000	FLOOD RISK	1.006	8	4.4	0.337	0.063	2.4923	
8640 minute winter	8	4380	9.548	0.896	7.7	6.6385	0.0000	FLOOD RISK	1.007	9	7.7	0.342	0.071	5.9230	
8640 minute winter	9	4380	9.546	1.198	13.1	11.6252	0.0000	FLOOD RISK	1.008	10	13.1	0.321	0.055	3.1260	
8640 minute winter	10	4380	9.545	1.245	14.1	2.2580	0.0000	FLOOD RISK	1.009	11	14.1	0.304	0.055	47.6613	
8640 minute winter	11	4320	9.543	1.543	14.1	0.0000	0.0000	FLOOD RISK	1.010	12	14.1	0.189	0.049	53.3278	
8640 minute winter	12	660	7.750	1.003	14.1	0.0000	0.0000	FLOOD RISK	1.011	13	14.1	0.118	0.072	0.2496	
8640 minute winter	13	4380	9.537	0.937	14.1	0.0000	0.0000	OK	1.012	13_OUT	14.1	2.151	0.011	0.0393	
8640 minute winter	13_OUT	8460	8.258	0.723	14.1	0.0000	0.0000	OK	Flow through pond	49	52.7	0.603	0.000	8888.8431	
8640 minute winter	14	4320	9.543	0.243	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.012	-0.007	0.8136	
8640 minute winter	15	4320	9.543	0.457	2.2	3.6213	0.0000	FLOOD RISK	2.001	16	2.2	0.362	0.045	0.9254	
8640 minute winter	16	4320	9.543	0.552	2.2	0.0000	0.0000	FLOOD RISK	2.002	17	2.2	0.322	0.045	0.5320	
8640 minute winter	17	4320	9.542	0.683	3.3	2.1299	0.0000	FLOOD RISK	2.003	18	3.3	0.325	0.042	1.8750	
8640 minute winter	18	4320	9.542	0.861	6.0	5.4185	0.0000	FLOOD RISK	2.004	19	6.0	0.346	0.046	5.4890	
8640 minute winter	19	4320	9.542	1.088	10.6	9.7838	0.0000	FLOOD RISK	2.005	20	10.6	0.328	0.054	4.0628	
8640 minute winter	20	4320	9.542	1.131	10.6	0.0000	0.0000	FLOOD RISK	2.006	21	10.6	0.452	0.054	3.4978	
8640 minute winter	21	4320	9.542	1.176	10.6	0.0000	0.0000	FLOOD RISK	2.007	22	10.6	0.463	0.018	3.7404	
8640 minute winter	22	4380	9.542	1.542	13.6	8.5870	0.0000	FLOOD RISK	2.008	23	13.6	0.157	0.047	53.3017	
8640 minute winter	23	660	7.750	1.000	13.6	0.0000	0.0000	FLOOD RISK	2.009	24	13.6	0.114	0.069	0.2496	
8640 minute winter	24	4380	9.537	0.937	13.6	0.0000	0.0000	OK	2.010	24_OUT	13.6	2.127	0.011	0.0383	
8640 minute winter	24_OUT	8490	8.258	0.723	13.6	0.0000	0.0000	OK	Flow through pond	49	52.7	0.603	0.000	8888.8431	
8640 minute winter	25	3360	8.807	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.292	0.011	0.0253	
8640 minute winter	26	3360	8.448	0.014	0.4	0.0183	0.0000	OK	3.001	27	0.3	0.351	0.018	0.0327	
									Infiltration		0.1				
8640 minute winter	27	3360	8.126	0.014	0.5	0.0200	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0273	
									Infiltration		0.1				
8640 minute winter	28	3360	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.503	0.019	0.0326	
									Infiltration		0.1				
8640 minute winter	29	3360	7.080	0.015	0.7	0.0182	0.0000	OK	3.004	30	0.6	0.626	0.021	0.0084	
									Infiltration		0.1				
8640 minute winter	30	3360	6.835	0.019	0.8	0.0012	0.0000	OK	3.005	31	0.8	0.113	0.000	0.1012	
8640 minute winter	31	3360	6.706	0.011	0.6	0.0013	0.0000	OK	3.006	32	0.5	0.052	0.000	0.1504	
									Infiltration		0.1				
8640 minute winter	32	3480	6.875	0.030	0.5	0.0037	0.0000	OK	3.007	33	0.6	0.000	0.000	0.1126	

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									infiltration			0.0		
8640 minute winter	57	2769	8.327	0.017	0.3	0.0136	0.0000OK	S.002	58		0.2	0.177	0.027	0.0376
								infiltration			0.0			
8640 minute winter	58	2880	8.295	0.020	0.3	0.0326	0.0000OK	S.003	59		0.2	0.269	0.028	0.0224
								infiltration			0.1			
8640 minute winter	59	2769	8.217	0.012	0.3	0.0157	0.0000OK	S.004	60		0.2	0.041	0.000	0.3381
								infiltration			0.1			
8640 minute winter	60	4440	8.210	0.025	0.3	0.0087	0.0000OK	S.005	61		0.3	0.026	0.000	1.2742
								infiltration			0.1			
8640 minute winter	61	4509	8.210	0.074	0.4	0.0253	0.0000OK	S.006	62		0.0	0.000	0.000	0.0000
								infiltration			0.3			
8640 minute winter	62	2820	8.140	0.004	0.1	0.0013	0.0000OK	S.007	63		0.1	0.040	0.000	1.1175
8640 minute winter	63	6009	7.894	0.058	0.2	0.0198	0.0000OK	S.008	63_OUT		0.1	0.014	0.000	1.4024
								infiltration			0.1			
8640 minute winter	63_OUT	5760	7.894	0.129	0.2	0.0439	0.0000OK	infiltration			0.2			
8640 minute winter	64	4980	6.362	0.177	0.1	0.0280	0.0000OK	S.009	65		0.1	0.023	0.000	1.5328
8640 minute winter	65	4980	6.362	0.237	0.2	0.0379	0.0000OK	S.001	66		0.1	0.065	0.000	2.2919
								infiltration			0.1			
8640 minute winter	66	4980	6.362	0.298	0.2	0.0424	0.0000OK	S.002	67		0.0	0.001	0.000	1.3672
								infiltration			0.2			
8640 minute winter	67	4980	6.362	0.288	0.1	0.0443	0.0000OK	S.003	68		0.0	0.000	0.000	0.0000
								infiltration			0.1			
8640 minute winter	68	3780	6.079	0.003	0.1	0.0004	0.0000OK	S.004	69		0.1	0.009	0.000	2.2016
8640 minute winter	69	4980	5.981	0.218	0.2	0.0345	0.0000OK	S.005	70		0.0	0.000	0.000	0.0000
								infiltration			0.2			
8640 minute winter	70	4980	5.795	0.040	0.1	0.0063	0.0000OK	S.006	71		0.1	0.014	0.000	0.4655
8640 minute winter	71	4980	5.795	0.110	0.2	0.0175	0.0000OK	S.007	72		0.1	0.000	0.000	1.6434
								infiltration			0.1			
8640 minute winter	72	4980	5.795	0.110	0.2	0.0175	0.0000OK	S.008	73		0.0	0.000	0.000	0.0000
								infiltration			0.2			
8640 minute winter	73	4980	6.068	0.363	0.1	0.0581	0.0000OK	S.009	74		0.1	0.013	0.000	1.8734
8640 minute winter	74	4980	6.068	0.363	0.2	0.0581	0.0000OK	S.010	75		0.1	0.019	0.000	2.1214
								infiltration			0.1			
8640 minute winter	75	4980	6.068	0.363	0.2	0.0581	0.0000OK	S.011	75		0.1	0.000	0.000	2.3200
								infiltration			0.1			
8640 minute winter	76	4980	6.068	0.433	0.2	0.0658	0.0000OK	S.012	76_OUT		0.1	0.001	0.000	2.4488
								infiltration			0.1			

Results for 1000 year 10080 minute summer, 10320 minute analysis at 60 minute timestep, Mass balance: 98.77%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute summer	1	5100	9.558	0.250	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.009	-0.004	0.4853	
10080 minute summer	2	5100	9.558	0.305	0.3	0.0000	0.0000	FLOOD RISK	1.001	3	-0.3	-0.013	-0.015	1.1294	
10080 minute summer	3	5040	9.556	0.408	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.021	-0.021	0.4888	
10080 minute summer	4	5040	9.555	0.458	0.5	0.0000	0.0000	FLOOD RISK	1.003	5	-0.5	-0.017	-0.021	0.8441	
10080 minute summer	5	5040	9.558	0.558	0.5	0.0000	0.0000	FLOOD RISK	1.004	6	-0.5	-0.017	-0.014	0.1821	
10080 minute summer	6	5100	9.558	0.558	3.5	5.4071	0.0000	FLOOD RISK	1.005	7	3.5	0.319	0.072	0.7798	
10080 minute summer	7	5100	9.555	0.805	5.5	3.2529	0.0000	FLOOD RISK	1.006	8	5.5	0.307	0.078	2.4823	
10080 minute summer	8	5040	9.555	1.000	9.5	8.8968	0.0000	FLOOD RISK	1.007	9	9.5	0.295	0.089	5.9230	
10080 minute summer	9	5040	9.554	1.204	16.3	11.7074	0.0000	FLOOD RISK	1.008	10	16.3	0.258	0.089	3.1360	
10080 minute summer	10	5100	9.554	1.254	17.0	2.2229	0.0000	FLOOD RISK	1.009	11	17.0	0.286	0.118	47.8013	
10080 minute summer	11	5100	9.550	1.550	17.5	0.0000	0.0000	FLOOD RISK	1.010	12	17.5	0.152	0.061	53.5278	
10080 minute summer	12	860	7.750	1.000	17.5	0.0000	0.0000	FLOOD RISK	1.011	13	17.5	0.146	0.090	0.2508	
10080 minute summer	13	5100	9.541	0.041	17.8	0.0000	0.0000	OK	1.012	13_OUT	17.6	2.307	0.014	0.0457	
10080 minute summer	13_OUT	10080	8.200	0.589	17.5	0.0000	0.0000	OK	Flow through pond	49	30.5	0.002	0.000	6174.9312	
10080 minute summer	14	5100	9.550	0.250	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.008	-0.006	0.8136	
10080 minute summer	15	5040	9.550	0.454	2.7	3.8757	0.0000	FLOOD RISK	2.001	16	2.7	0.277	0.056	0.9254	
10080 minute summer	16	5040	9.549	0.558	2.7	0.0000	0.0000	FLOOD RISK	2.002	17	2.7	0.294	0.055	0.6325	
10080 minute summer	17	5040	9.549	0.590	4.1	2.1418	0.0000	FLOOD RISK	2.003	18	4.1	0.283	0.062	1.8750	
10080 minute summer	18	5100	9.549	0.868	7.4	5.4801	0.0000	FLOOD RISK	2.004	19	7.4	0.295	0.059	5.4890	
10080 minute summer	19	5100	9.548	1.092	13.1	9.8520	0.0000	FLOOD RISK	2.005	20	13.1	0.254	0.089	4.0828	
10080 minute summer	20	5040	9.548	1.137	13.1	0.0000	0.0000	FLOOD RISK	2.006	21	13.1	0.393	0.088	3.4879	
10080 minute summer	21	5040	9.548	1.178	13.1	0.0000	0.0000	FLOOD RISK	2.007	22	13.1	0.415	0.022	3.7404	
10080 minute summer	22	5040	9.548	1.540	10.8	5.7242	0.0000	FLOOD RISK	2.008	23	10.8	0.101	0.058	53.3017	
10080 minute summer	23	860	7.750	1.000	16.8	0.0000	0.0000	FLOOD RISK	2.009	24	16.8	0.140	0.089	0.2508	
10080 minute summer	24	5100	9.540	0.040	16.8	0.0000	0.0000	OK	2.010	24_OUT	15.8	2.273	0.014	0.0442	
10080 minute summer	24_OUT	10080	8.200	0.589	16.8	0.0000	0.0000	OK	Flow through pond	49	30.5	0.002	0.000	6174.9312	
10080 minute summer	25	4890	8.810	0.014	0.3	0.0087	0.0000	OK	3.000	26	0.3	0.311	0.017	0.0343	
10080 minute summer	26														
10080 minute summer	26	4890	8.453	0.018	0.0	0.0255	0.0000	OK	3.001	27	0.5	0.399	0.029	0.0460	
10080 minute summer	27														
10080 minute summer	27	4880	8.133	0.018	0.5	0.0292	0.0000	OK	3.002	28	0.6	0.487	0.029	0.0391	
10080 minute summer	28														
10080 minute summer	28	4860	7.714	0.019	0.8	0.0244	0.0000	OK	3.003	29	0.8	0.587	0.032	0.0488	
10080 minute summer	29														
10080 minute summer	29	4890	7.685	0.020	1.1	0.0230	0.0000	OK	3.004	30	1.0	0.728	0.035	0.0091	
10080 minute summer	30														
10080 minute summer	30	4980	6.839	0.014	1.1	0.0917	0.0000	OK	3.005	31	1.1	0.137	0.060	0.2338	
10080 minute summer	31														
10080 minute summer	31	5220	6.727	0.032	1.2	0.0938	0.0000	OK	3.006	32	1.0	0.052	0.001	0.4443	
10080 minute summer	32														
10080 minute summer	32	5220	6.728	0.081	1.1	0.0097	0.0000	OK	3.007	33	-0.1	-0.093	0.000	0.3357	

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10080 minute summer	57	5040	8.335	0.029	0.5	0.0260	0.0000OK	Infiltration	5.002	58	0.1	0.238	0.059	0.0554
10080 minute summer	58	5180	8.274	0.029	0.7	0.0633	0.0000OK	Infiltration	5.003	59	0.1	0.250	0.071	0.1081
10080 minute summer	59	5180	8.271	0.060	0.7	0.2941	0.0000OK	Infiltration	5.004	60	0.2	0.041	0.001	1.5104
10080 minute summer	60	5180	8.271	0.088	0.7	0.0291	0.0000OK	Infiltration	5.005	61	0.3	0.028	0.000	3.0781
10080 minute summer	61	5180	8.271	0.135	0.5	0.0457	0.0000OK	Infiltration	5.006	62	0.3	0.000	0.000	0.0000
10080 minute summer	62	5100	8.142	0.008	0.2	0.0019	0.0000OK	Infiltration	5.007	63	0.4	0.040	0.000	2.4185
10080 minute summer	63	5180	7.952	0.110	0.4	0.0394	0.0000OK	Infiltration	5.008	63_OUT	0.1	0.014	0.000	2.4532
10080 minute summer	63_OUT	5180	7.852	0.187	0.3	0.0635	0.0000OK	Infiltration			0.2			
10080 minute summer	64	5580	6.351	0.188	0.1	0.0268	0.0000OK	Infiltration	6.000	65	0.3			
10080 minute summer	65	5580	6.351	0.220	0.2	0.0362	0.0000OK	Infiltration	6.001	66	0.1	0.005	0.000	2.1876
10080 minute summer	66	5580	6.351	0.258	0.2	0.0408	0.0000OK	Infiltration	6.002	67	0.1	0.002	0.000	1.2884
10080 minute summer	67	5580	6.351	0.275	0.1	0.0427	0.0000OK	Infiltration	6.003	68	0.2	0.000	0.000	0.0000
10080 minute summer	68	4520	5.079	0.003	0.1	0.0004	0.0000OK	Infiltration	6.004	69	0.1	0.009	0.000	2.1932
10080 minute summer	69	5580	5.980	0.215	0.2	0.0344	0.0000OK	Infiltration	6.005	70	0.0	0.000	0.000	0.0000
10080 minute summer	70	5580	5.792	0.037	0.1	0.0069	0.0000OK	Infiltration	6.006	71	0.2			
10080 minute summer	71	5580	5.792	0.107	0.2	0.0172	0.0000OK	Infiltration	6.007	72	0.1	0.014	0.000	0.3923
10080 minute summer	72	5580	5.792	0.107	0.2	0.0172	0.0000OK	Infiltration	6.008	73	0.1	0.008	0.000	1.0544
10080 minute summer	73	5580	5.045	0.341	0.1	0.0548	0.0000OK	Infiltration	6.009	74	0.1	0.000	0.000	0.0000
10080 minute summer	74	5580	5.045	0.341	0.2	0.0548	0.0000OK	Infiltration	6.010	75	0.1	0.019	0.000	1.8453
10080 minute summer	75	5580	5.045	0.341	0.2	0.0548	0.0000OK	Infiltration	6.011	76	0.1	0.008	0.000	2.1430
10080 minute summer	76	5580	5.045	0.411	0.2	0.0625	0.0000OK	Infiltration	6.012	76_OUT	0.1	0.001	0.000	2.2738
10080 minute summer	76_OUT	5580	5.045	0.411	0.2	0.0658	0.0000OK	Infiltration			0.1			

Results for 1000 year 10080 minute winter, 10320 minute analysis at 60 minute timestep, Mass Balance: 98.88%

Event	US Node ID	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status	Link ID	DS Node ID	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
10080 minute winter	1	5100	9.543	0.243	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.007	-0.008	0.4853	
10080 minute winter	2	5100	9.543	0.293	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.014	-0.020	1.1264	
10080 minute winter	3	4980	9.543	0.303	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.023	-0.025	0.4988	
10080 minute winter	4	4980	9.543	0.443	0.6	0.0000	0.0000	FLOOD RISK	1.003	5	-0.6	-0.021	-0.028	0.8441	
10080 minute winter	5	4880	9.543	0.543	0.8	0.0000	0.0000	FLOOD RISK	1.004	8	-0.8	-0.020	-0.017	0.1821	
10080 minute winter	8	5040	9.543	0.643	2.5	5.3012	0.0000	FLOOD RISK	1.005	7	2.5	0.340	0.052	0.7798	
10080 minute winter	7	5040	9.543	0.793	4.0	3.2314	0.0000	FLOOD RISK	1.006	8	4.0	0.338	0.057	2.4823	
10080 minute winter	8	4980	9.542	0.952	8.9	6.8123	0.0000	FLOOD RISK	1.007	9	8.9	0.334	0.064	5.9230	
10080 minute winter	9	5100	9.542	1.192	11.7	11.0915	0.0000	FLOOD RISK	1.008	10	11.7	0.300	0.049	3.1300	
10080 minute winter	10	5100	9.542	1.342	12.0	2.2020	0.0000	FLOOD RISK	1.009	11	12.0	0.287	0.060	47.8013	
10080 minute winter	11	5100	9.540	1.540	12.6	0.0000	0.0000	FLOOD RISK	1.010	12	12.6	0.148	0.044	50.3278	
10080 minute winter	12	720	7.750	1.090	12.6	0.0000	0.0000	FLOOD RISK	1.011	13	12.6	0.100	0.064	0.2490	
10080 minute winter	13	5040	9.535	0.035	12.0	0.0000	0.0000	OK	1.012	13_OUT	12.0	2.077	0.010	0.0363	
10080 minute winter	13_OUT	9780	6.283	0.749	12.6	0.0000	0.0000	OK	Flow through pond	48	43.3	0.002	0.000	8938.0778	
10080 minute winter	14	4980	9.540	0.240	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.009	-0.007	0.8136	
10080 minute winter	15	5100	9.540	0.454	1.9	3.6984	0.0000	FLOOD RISK	2.001	16	1.9	0.277	0.039	0.0254	
10080 minute winter	16	4980	9.540	0.549	1.9	0.0000	0.0000	FLOOD RISK	2.002	17	1.9	0.294	0.038	0.0320	
10080 minute winter	17	4980	9.539	0.680	2.9	2.1114	0.0000	FLOOD RISK	2.003	18	2.9	0.305	0.037	1.8750	
10080 minute winter	18	4980	9.539	0.858	5.3	5.3996	0.0000	FLOOD RISK	2.004	19	5.3	0.322	0.042	5.4890	
10080 minute winter	19	5100	9.539	1.083	9.4	9.7873	0.0000	FLOOD RISK	2.005	20	9.4	0.308	0.048	4.0828	
10080 minute winter	20	5100	9.539	1.128	9.4	0.0000	0.0000	FLOOD RISK	2.006	21	9.4	0.427	0.048	3.4979	
10080 minute winter	21	4980	9.539	1.167	9.4	0.0000	0.0000	FLOOD RISK	2.007	22	9.4	0.403	0.016	3.7404	
10080 minute winter	22	4980	9.539	1.539	12.1	6.6846	0.0000	FLOOD RISK	2.008	23	12.1	0.179	0.042	53.3017	
10080 minute winter	23	720	7.750	1.000	12.1	0.0000	0.0000	FLOOD RISK	2.009	24	12.1	0.102	0.062	0.2490	
10080 minute winter	24	5100	9.535	0.035	12.1	0.0000	0.0000	OK	2.010	24_OUT	12.1	2.052	0.010	0.0363	
10080 minute winter	24_OUT	9780	6.282	0.749	12.5	0.0000	0.0000	OK	Flow through pond	48	43.3	0.002	0.000	8938.0778	
10080 minute winter	25	4080	8.807	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.262	0.011	0.0253	
10080 minute winter	26	4080	8.449	0.014	0.4	0.0183	0.0000	OK	3.001	27	0.3	0.351	0.018	0.0327	
									Infiltration		0.1				
10080 minute winter	27	4080	8.129	0.014	0.5	0.0200	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0279	
									Infiltration		0.1				
10080 minute winter	28	4080	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.509	0.018	0.0328	
									Infiltration		0.1				
10080 minute winter	29	4080	7.050	0.015	0.7	0.0162	0.0000	OK	3.004	30	0.8	0.620	0.021	0.0064	
									Infiltration		0.1				
10080 minute winter	30	4080	6.835	0.010	0.6	0.0012	0.0000	OK	3.005	31	0.6	0.113	0.000	0.1012	
10080 minute winter	31	4080	6.706	0.011	0.6	0.0013	0.0000	OK	3.006	32	0.5	0.052	0.000	0.1504	
									Infiltration		0.1				
10080 minute winter	32	4200	6.675	0.030	0.5	0.0037	0.0000	OK	3.007	33	0.0	0.000	0.000	0.1128	

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10080 minute winter	57	3380	8.327	0.017	0.3	0.0138	0.0000OK	Infiltration	0.0				
10080 minute winter	58	3480	8.285	0.020	0.3	0.0328	0.0000OK	Infiltration	0.0				
10080 minute winter	59	3380	8.217	0.012	0.3	0.0157	0.0000OK	Infiltration	0.1				
10080 minute winter	60	5040	8.210	0.025	0.3	0.0087	0.0000OK	Infiltration	0.1				
10080 minute winter	61	5100	8.210	0.074	0.4	0.0253	0.0000OK	Infiltration	0.1				
10080 minute winter	62							Infiltration	0.3				
10080 minute winter	63	3420	8.140	0.064	0.1	0.0013	0.0000OK	Infiltration	0.1				
10080 minute winter	63	6840	7.894	0.058	0.2	0.0198	0.0000OK	Infiltration	0.1				
10080 minute winter	63_OUT	8680	7.894	0.129	0.2	0.0438	0.0000OK	Infiltration	0.1				
10080 minute winter	64	5520	6.344	0.159	0.1	0.0255	0.0000OK	Infiltration	0.1				
10080 minute winter	65	5520	6.344	0.219	0.2	0.0351	0.0000OK	Infiltration	0.1				
10080 minute winter	66	5520	6.344	0.251	0.2	0.0387	0.0000OK	Infiltration	0.1				
10080 minute winter	67	5520	6.344	0.288	0.1	0.0416	0.0000OK	Infiltration	0.2				
10080 minute winter	68	4880	5.079	0.093	0.1	0.0004	0.0000OK	Infiltration	0.1				
10080 minute winter	69	5520	5.979	0.214	0.2	0.0343	0.0000OK	Infiltration	0.1				
10080 minute winter	70	5520	5.791	0.036	0.1	0.0057	0.0000OK	Infiltration	0.2				
10080 minute winter	71	5520	5.791	0.198	0.2	0.0169	0.0000OK	Infiltration	0.1				
10080 minute winter	72	5520	5.791	0.106	0.2	0.0168	0.0000OK	Infiltration	0.1				
10080 minute winter	73	5520	5.032	0.327	0.1	0.0524	0.0000OK	Infiltration	0.1				
10080 minute winter	74	5520	6.032	0.327	0.2	0.0524	0.0000OK	Infiltration	0.1				
10080 minute winter	75	5520	5.032	0.327	0.2	0.0524	0.0000OK	Infiltration	0.1				
10080 minute winter	76	5520	6.032	0.397	0.2	0.0604	0.0000OK	Infiltration	0.1				
10080 minute winter	76_OUT							Infiltration	0.1				
10080 minute winter	76_OUT	5520	5.032	0.397	0.2	0.0536	0.0000OK	Infiltration	0.1				