

Results for 2 year 5760 minute summer, 6000 minute analysis at 60 minute timestep. Mass balance: 88.02%

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	2880	9.536	0.238	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	-0.001	-0.002	0.4853	
5760 minute summer	2	2880	9.535	0.283	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.027	-0.019	1.1264	
5760 minute summer	3	2940	9.536	0.366	0.8	0.0000	0.0000	FLOOD RISK	1.002	4	-0.8	-0.029	-0.038	0.4988	
5760 minute summer	4	2940	9.536	0.438	1.0	0.0000	0.0000	FLOOD RISK	1.003	5	-1.0	-0.032	-0.043	0.8441	
5760 minute summer	5	2940	9.535	0.533	1.1	0.0000	0.0000	FLOOD RISK	1.004	6	-1.1	-0.034	-0.029	0.1821	
5760 minute summer	6	2880	9.538	0.633	1.9	5.2385	0.0000	FLOOD RISK	1.005	7	1.9	0.354	0.038	0.7796	
5760 minute summer	7	2880	9.533	0.785	3.0	3.2010	0.0000	FLOOD RISK	1.006	8	3.0	0.335	0.043	2.4923	
5760 minute summer	8	2940	9.535	0.883	5.2	6.7624	0.0000	FLOOD RISK	1.007	9	5.2	0.307	0.048	5.9230	
5760 minute summer	9	2880	9.535	1.183	8.0	11.5224	0.0000	FLOOD RISK	1.008	10	8.8	0.280	0.037	3.1360	
5760 minute summer	10	2880	9.533	1.235	9.5	2.1894	0.0000	FLOOD RISK	1.009	11	9.5	0.228	0.064	47.8813	
5760 minute summer	11	2880	9.534	1.534	9.5	0.0000	0.0000	FLOOD RISK	1.010	12	9.5	0.173	0.030	63.3278	
5760 minute summer	12	960	7.750	1.008	9.5	0.0000	0.0000	FLOOD RISK	1.011	13	9.5	0.081	0.048	0.2476	
5760 minute summer	13	2940	9.531	0.831	9.5	0.0000	0.0000	OK	1.012	13_OUT	9.5	1.804	0.008	0.0298	
5760 minute summer	13_OUT	5820	7.718	0.185	9.5	0.0000	0.0000	OK	Flow through pond	48	19.2	0.003	0.000	1779.5170	
5760 minute summer	14	2880	9.503	0.233	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.013	-0.006	0.8136	
5760 minute summer	15	2880	9.533	0.447	1.4	3.5437	0.0000	FLOOD RISK	2.001	16	1.4	0.277	0.029	0.9254	
5760 minute summer	16	2940	9.533	0.542	1.4	0.0000	0.0000	FLOOD RISK	2.002	17	1.4	0.294	0.038	0.6320	
5760 minute summer	17	2940	9.533	0.674	2.1	2.0911	0.0000	FLOOD RISK	2.003	18	2.1	0.280	0.027	1.8750	
5760 minute summer	18	2880	9.533	0.852	3.9	5.3589	0.0000	FLOOD RISK	2.004	19	3.9	0.285	0.031	5.4890	
5760 minute summer	19	2940	9.533	1.077	7.0	9.7098	0.0000	FLOOD RISK	2.005	20	7.0	0.277	0.035	4.0828	
5760 minute summer	20	2940	9.533	1.122	7.0	0.0000	0.0000	FLOOD RISK	2.006	21	7.0	0.370	0.035	3.4978	
5760 minute summer	21	2940	9.533	1.181	7.0	0.0000	0.0000	FLOOD RISK	2.007	22	7.0	0.377	0.012	3.7404	
5760 minute summer	22	2940	9.533	1.533	9.0	6.6574	0.0000	FLOOD RISK	2.008	23	9.0	0.110	0.031	53.3017	
5760 minute summer	23	960	7.750	1.600	9.0	0.0000	0.0000	FLOOD RISK	2.009	24	9.0	0.076	0.046	0.2476	
5760 minute summer	24	2940	9.530	0.630	9.0	0.0000	0.0000	OK	2.010	24_OUT	9.0	1.873	0.007	0.0288	
5760 minute summer	24_OUT	5760	7.718	0.185	9.0	0.0000	0.0000	OK	Flow through pond	49	19.2	0.003	0.000	1779.5170	
5760 minute summer	25	2940	8.897	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.282	0.011	0.0253	
5760 minute summer	26	2940	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				
5760 minute summer	27	2940	8.129	0.014	0.5	0.0290	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0273	
								Infiltration			0.1				
5760 minute summer	28	2940	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.503	0.018	0.0328	
								Infiltration			0.1				
5760 minute summer	29	2940	7.080	0.013	0.7	0.0182	0.0000	OK	3.004	30	0.8	0.626	0.021	0.0084	
								Infiltration			0.1				
5760 minute summer	30	2940	6.833	0.018	0.6	0.0012	0.0000	OK	3.005	31	0.6	0.113	0.000	0.1012	
5760 minute summer	31	2940	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				
5760 minute summer	32	2940	6.675	0.030	0.5	0.0037	0.0000	OK	3.007	33	0.0	0.000	0.000	0.1125	

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5760 minute summer	57	2640	8.327	0.017	0.3	0.0138	0.0000OK	Infiltration	5.002	58	0.2	0.177	0.027	0.0378
5760 minute summer	58	2760	8.285	0.020	0.3	0.0326	0.0000OK	Infiltration	5.003	59	0.2	0.209	0.028	0.0224
5760 minute summer	59	2640	8.217	0.012	0.3	0.0157	0.0000OK	Infiltration	5.004	60	0.2	0.041	0.000	0.3357
5760 minute summer	60	3240	8.216	0.025	0.3	0.0087	0.0000OK	Infiltration	5.005	61	0.3	0.026	0.000	1.2730
5760 minute summer	61	3240	8.210	0.074	0.4	0.0253	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
5760 minute summer	62	2700	8.149	0.004	0.1	0.0013	0.0000OK	Infiltration	5.007	63	0.1	0.040	0.000	1.0585
5760 minute summer	63	3240	7.891	0.053	0.2	0.0137	0.0000OK	Infiltration	5.008	63_OUT	0.1	0.014	0.000	1.3526
5760 minute summer	63_OUT	3240	7.891	0.126	0.2	0.0429	0.0000OK	Infiltration	5.009	64	0.0	0.000	0.000	0.0000
5760 minute summer	64	60	6.185	0.000	0.0	0.0000	0.0000OK	Infiltration	5.010	65	0.0	0.000	0.000	0.0000
5760 minute summer	65	60	6.125	0.000	0.0	0.0000	0.0000OK	Infiltration	5.011	66	0.0	0.000	0.000	0.0000
5760 minute summer	66	60	6.093	0.000	0.0	0.0000	0.0000OK	Infiltration	5.012	67	0.0	0.000	0.000	0.0000
5760 minute summer	67	60	6.076	0.000	0.0	0.0000	0.0000OK	Infiltration	5.013	68	0.0	0.000	0.000	0.0000
5760 minute summer	68	60	6.078	0.000	0.0	0.0000	0.0000OK	Infiltration	5.014	69	0.0	0.000	0.000	0.0000
5760 minute summer	69	60	5.765	0.000	0.0	0.0000	0.0000OK	Infiltration	5.015	70	0.0	0.000	0.000	0.0000
5760 minute summer	70	60	5.755	0.000	0.0	0.0000	0.0000OK	Infiltration	5.016	71	0.0	0.000	0.000	0.0000
5760 minute summer	71	60	5.685	0.000	0.0	0.0000	0.0000OK	Infiltration	5.017	72	0.0	0.000	0.000	0.0000
5760 minute summer	72	60	5.685	0.000	0.0	0.0000	0.0000OK	Infiltration	5.018	73	0.0	0.000	0.000	0.0000
5760 minute summer	73	60	5.705	0.000	0.0	0.0000	0.0000OK	Infiltration	5.019	74	0.0	0.000	0.000	0.0000
5760 minute summer	74	60	5.765	0.000	0.0	0.0000	0.0000OK	Infiltration	5.010	75	0.0	0.000	0.000	0.0000
5760 minute summer	75	60	5.705	0.000	0.0	0.0000	0.0000OK	Infiltration	5.011	76	0.0	0.000	0.000	0.0000
5760 minute summer	76	60	5.635	0.000	0.0	0.0000	0.0000OK	Infiltration	5.012	76_OUT	0.0	0.000	0.000	0.0000
5760 minute summer	76_OUT	60	5.635	0.000	0.0	0.0000	0.0000OK	Infiltration	5.013		0.0			

Results for 2 year 5760 minute winter, 6000 minute analysis at 60 minute timestep, Mass balance: 86.45%

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	2680	9.529	0.229	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	0.001	0.002	0.4853	
5760 minute winter	2	2940	9.529	0.279	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.029	-0.021	1.1264	
5760 minute winter	3	2940	9.529	0.379	0.8	0.0000	0.0000	FLOOD RISK	1.002	4	-0.8	-0.029	-0.038	0.4989	
5760 minute winter	4	2760	9.529	0.429	0.9	0.0000	0.0000	FLOOD RISK	1.003	5	-0.9	-0.030	-0.041	0.8441	
5760 minute winter	5	2940	9.529	0.529	1.0	0.0000	0.0000	FLOOD RISK	1.004	6	-1.0	-0.060	-0.027	0.1921	
5760 minute winter	6	2940	9.529	0.629	1.6	5.1882	0.0000	FLOOD RISK	1.005	7	1.4	0.355	0.009	0.7796	
5760 minute winter	7	2940	9.529	0.779	2.2	3.1753	0.0000	FLOOD RISK	1.006	8	2.2	0.346	0.032	2.4923	
5760 minute winter	8	2680	9.529	0.979	3.8	6.7188	0.0000	FLOOD RISK	1.007	9	3.8	0.026	0.035	5.9230	
5760 minute winter	9	2680	9.529	1.179	6.4	11.4629	0.0000	FLOOD RISK	1.008	10	6.4	0.299	0.027	3.1380	
5760 minute winter	10	2680	9.529	1.229	6.9	2.1766	0.0000	FLOOD RISK	1.009	11	6.9	0.241	0.047	47.8913	
5760 minute winter	11	2680	9.528	1.528	6.9	0.0000	0.0000	FLOOD RISK	1.010	12	6.9	0.133	0.024	53.3278	
5760 minute winter	12	380	7.750	1.000	6.9	0.0000	0.0000	FLOOD RISK	1.011	13	6.9	0.059	0.035	0.2484	
5760 minute winter	13	2940	9.527	0.027	6.9	0.0000	0.0000	OK	1.012	13_OUT	6.9	1.729	0.006	0.0239	
5760 minute winter	13_OUT	5640	7.747	0.213	6.9	0.0000	0.0000	OK	Flow through pond	49	18.2	0.003	0.000	2025.8657	
5760 minute winter	14	2760	9.527	0.227	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.005	-0.005	0.8138	
5760 minute winter	15	3080	9.527	0.441	1.0	3.4977	0.0000	FLOOD RISK	2.001	16	1.0	0.391	0.021	0.9254	
5760 minute winter	16	3080	9.527	0.536	1.0	0.0000	0.0000	FLOOD RISK	2.002	17	1.0	0.294	0.020	0.6320	
5760 minute winter	17	2780	9.527	0.660	1.5	2.0733	0.0000	FLOOD RISK	2.003	18	1.5	0.305	0.019	1.6750	
5760 minute winter	18	2760	9.527	0.846	2.8	5.3230	0.0000	FLOOD RISK	2.004	19	2.8	0.292	0.022	5.4690	
5760 minute winter	19	3060	9.527	1.071	5.0	9.8590	0.0000	FLOOD RISK	2.005	20	5.0	0.290	0.025	4.9628	
5760 minute winter	20	3060	9.527	1.116	5.0	0.0000	0.0000	FLOOD RISK	2.006	21	5.0	0.393	0.025	3.4979	
5760 minute winter	21	2780	9.527	1.156	5.0	0.0000	0.0000	FLOOD RISK	2.007	22	5.0	0.396	0.008	3.7404	
5760 minute winter	22	2780	9.527	1.527	6.4	6.6333	0.0000	FLOOD RISK	2.008	23	6.4	0.185	0.022	53.3017	
5760 minute winter	23	900	7.756	1.030	6.4	0.0000	0.0000	FLOOD RISK	2.009	24	6.4	0.055	0.033	0.2484	
5760 minute winter	24	2680	9.528	0.028	6.4	0.0000	0.0000	OK	2.010	24_OUT	6.4	1.688	0.005	0.0227	
5760 minute winter	24_OUT	5700	7.747	0.213	6.4	0.0000	0.0000	OK	Flow through pond	49	18.2	0.003	0.000	2025.8657	
5760 minute winter	25	1980	8.604	0.008	0.1	0.0052	0.0000	OK	3.000	26	0.1	0.240	0.000	0.0148	
5760 minute winter	26	1980	8.445	0.010	0.2	0.0105	0.0000	OK	3.001	27	0.1	0.278	0.000	0.0177	
5760 minute winter	27							Infiltration			0.1				
5760 minute winter	27	1980	8.124	0.039	0.2	0.0103	0.0000	OK	3.002	28	0.1	0.311	0.007	0.0141	
5760 minute winter	28							Infiltration			0.1				
5760 minute winter	28	1980	7.704	0.009	0.2	0.0092	0.0000	OK	3.003	29	0.2	0.374	0.007	0.0168	
5760 minute winter	29							Infiltration			0.1				
5760 minute winter	29	1980	7.075	0.010	0.3	0.0090	0.0000	OK	3.004	30	0.2	0.473	0.008	0.0033	
5760 minute winter	30							Infiltration			0.0				
5760 minute winter	30	1980	6.839	0.005	0.2	0.0007	0.0000	OK	3.005	31	0.2	0.060	0.000	0.0561	
5760 minute winter	31	1980	6.701	0.006	0.2	0.0007	0.0000	OK	3.006	32	0.2	0.050	0.000	0.0868	
5760 minute winter	32							Infiltration			0.0				

5760 minute winter	32	2100	6.850	0.011	0.2	0.0014	0.0000OK	3.007	33	0.0	0.000	0.000	0.0002
								Infiltration		0.1			
								Infiltration		0.1			
5760 minute winter	33	60	6.775	0.000	0.0	0.0000	0.0000OK	3.008	34	0.0	0.000	0.000	0.0002
5760 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000OK	3.009	35	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	35	80	6.675	0.000	0.0	0.0000	0.0000OK	3.010	36	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	36	60	6.505	0.000	0.0	0.0000	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
5760 minute winter	37	80	6.505	0.000	0.0	0.0000	0.0000OK	3.012	38	0.0	0.000	0.000	0.0000
5760 minute winter	38	80	6.265	0.000	0.0	0.0000	0.0000OK	3.013	39	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
								Infiltration		0.0			
5760 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000OK	3.014	40	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	40	80	6.895	0.000	0.0	0.0000	0.0000OK	3.015	41	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	41	60	6.885	0.000	0.0	0.0000	0.0000OK	3.016	42	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000OK	3.017	43	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	43	80	7.145	0.000	0.0	0.0000	0.0000OK	3.018	44	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000OK	3.019	45	0.0	0.000	0.000	0.0002
5760 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000OK	3.020	46	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	46	80	7.125	0.000	0.0	0.0000	0.0000OK	3.021	47	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	47	60	6.985	0.000	0.0	0.0000	0.0000OK	3.022	48	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	48	60	6.795	0.000	0.0	0.0000	0.0000OK	3.023	53	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	49	5880	7.744	-0.250	20.0	0.0000	0.0000OK	Orifice	50	0.0			
								Infiltration		0.0			
5760 minute winter	50	60	7.400	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
5760 minute winter	51	60	7.300	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
5760 minute winter	52	80	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
5760 minute winter	53	80	6.785	0.000	0.0	0.0000	0.0000OK	3.024	54	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	54	60	6.525	0.000	0.0	0.0000	0.0000OK	3.025	54_OUT	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000OK	Infiltration		0.0			

5760 minute winter	55	2520	8.459	0.013	0.1	0.0043	0.0000	OK	5.090	56	0.1	0.150	0.014	0.0111
5760 minute winter	56	2520	8.428	0.012	0.2	0.0149	0.0000	OK	5.091	57	0.2	0.182	0.012	0.0180
									Infiltration		0.0			
5760 minute winter	57	2520	8.327	0.017	0.3	0.0130	0.0000	OK	5.092	58	0.2	0.177	0.027	0.0378
									Infiltration		0.0			
5760 minute winter	58	2640	8.265	0.020	0.3	0.0328	0.0000	OK	5.093	59	0.2	0.209	0.028	0.0224
									Infiltration		0.1			
5760 minute winter	59	2520	8.217	0.012	0.3	0.0157	0.0000	OK	5.094	60	0.2	0.041	0.000	0.3360
									Infiltration		0.1			
5760 minute winter	60	3360	8.210	0.025	0.3	0.0087	0.0000	OK	5.095	61	0.3	0.020	0.000	1.2741
									Infiltration		0.1			
5760 minute winter	61	3360	8.210	0.074	0.4	0.0253	0.0000	OK	5.096	62	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
5760 minute winter	62	2580	8.140	0.034	0.1	0.0013	0.0000	OK	5.097	63	0.1	0.040	0.000	1.1000
5760 minute winter	63	3360	7.993	0.057	0.2	0.0195	0.0000	OK	5.098	63_OUT	0.1	0.014	0.000	1.3878
									Infiltration		0.1			
5760 minute winter	63_OUT	3360	7.893	0.128	0.2	0.0438	0.0000	OK	Infiltration		0.2			
5760 minute winter	64	80	8.185	0.000	0.0	0.0000	0.0000	OK	5.099	65	0.0	0.000	0.000	0.0002
5760 minute winter	65	80	6.125	0.000	0.0	0.0000	0.0000	OK	5.091	66	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	66	60	6.993	0.000	0.0	0.0000	0.0000	OK	5.092	67	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
5760 minute winter	67	80	6.075	0.000	0.0	0.0000	0.0000	OK	5.093	68	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
5760 minute winter	68	60	6.578	0.000	0.0	0.0000	0.0000	OK	5.094	69	0.0	0.000	0.000	0.0004
5760 minute winter	69	60	5.785	0.000	0.0	0.0000	0.0000	OK	5.095	70	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
5760 minute winter	70	80	5.755	0.000	0.0	0.0000	0.0000	OK	5.096	71	0.0	0.000	0.000	0.0001
5760 minute winter	71	80	5.685	0.000	0.0	0.0000	0.0000	OK	5.097	72	0.0	0.000	0.000	0.0004
									Infiltration		0.0			
5760 minute winter	72	60	5.685	0.000	0.0	0.0000	0.0000	OK	5.098	73	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
5760 minute winter	73	80	5.795	0.000	0.0	0.0000	0.0000	OK	5.099	74	0.0	0.000	0.000	0.0001
5760 minute winter	74	80	5.795	0.000	0.0	0.0000	0.0000	OK	5.010	75	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
5760 minute winter	75	60	5.705	0.000	0.0	0.0000	0.0000	OK	5.011	76	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
5760 minute winter	76	80	5.835	0.000	0.0	0.0000	0.0000	OK	5.012	76_OUT	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
5760 minute winter	76_OUT	80	5.835	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

Results for 2 year 7200 minute summer, 7440 minute analysis at 60 minute timestep, Mass balance: 98.60%

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	9.533	0.233	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.002	-0.003	0.4853	
7200 minute summer	2	3600	9.533	0.283	0.3	0.0000	0.0000	FLOOD RISK	1.001	3	-0.3	-0.020	-0.013	1.1264	
7200 minute summer	3	3600	9.532	0.362	0.6	0.0000	0.0000	FLOOD RISK	1.002	4	-0.6	-0.021	-0.027	0.4988	
7200 minute summer	4	3600	9.533	0.433	0.7	0.0000	0.0000	FLOOD RISK	1.003	5	-0.7	-0.023	-0.031	0.8441	
7200 minute summer	5	3600	9.533	0.533	0.8	0.0000	0.0000	FLOOD RISK	1.004	6	-0.8	-0.025	-0.021	0.1821	
7200 minute summer	6	3600	9.533	0.633	1.7	5.2172	0.0000	FLOOD RISK	1.005	7	1.7	0.319	0.035	0.7796	
7200 minute summer	7	3600	9.533	0.783	2.7	3.1904	0.0000	FLOOD RISK	1.006	8	2.7	0.288	0.038	2.4923	
7200 minute summer	8	3600	9.532	0.882	4.8	6.7436	0.0000	FLOOD RISK	1.007	9	4.8	0.281	0.043	5.9230	
7200 minute summer	9	3600	9.532	1.182	7.6	11.4987	0.0000	FLOOD RISK	1.008	10	7.8	0.240	0.033	3.1360	
7200 minute summer	10	3600	9.532	1.202	8.4	2.1848	0.0000	FLOOD RISK	1.009	11	8.4	0.218	0.057	47.8613	
7200 minute summer	11	3600	9.531	1.531	8.4	0.0000	0.0000	FLOOD RISK	1.010	12	8.4	0.184	0.029	63.3278	
7200 minute summer	12	1020	7.750	1.000	8.4	0.0000	0.0000	FLOOD RISK	1.011	13	8.4	0.071	0.043	0.2471	
7200 minute summer	13	3600	9.529	0.028	8.4	0.0000	0.0000	OK	1.012	13_OUT	8.4	1.833	0.007	0.0275	
7200 minute summer	13_OUT	7200	7.745	0.212	8.4	0.0000	0.0000	OK	Flow through pond	49	28.8	0.003	0.000	2009.0337	
7200 minute summer	14	3600	9.531	0.231	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.008	-0.005	0.8130	
7200 minute summer	15	3600	9.531	0.443	1.3	3.5281	0.0000	FLOOD RISK	2.001	16	1.3	0.240	0.027	0.9254	
7200 minute summer	16	3600	9.531	0.540	1.3	0.0000	0.0000	FLOOD RISK	2.002	17	1.3	0.256	0.006	0.6320	
7200 minute summer	17	3600	9.531	0.672	2.0	2.0851	0.0000	FLOOD RISK	2.003	18	2.0	0.271	0.026	1.8750	
7200 minute summer	18	3600	9.531	0.850	3.6	5.3487	0.0000	FLOOD RISK	2.004	19	3.6	0.285	0.029	5.4890	
7200 minute summer	19	3600	9.531	1.075	5.3	9.5824	0.0000	FLOOD RISK	2.005	20	5.3	0.256	0.032	4.0828	
7200 minute summer	20	3600	9.531	1.120	6.3	0.0000	0.0000	FLOOD RISK	2.006	21	6.3	0.359	0.032	3.4978	
7200 minute summer	21	3600	9.531	1.156	6.3	0.0000	0.0000	FLOOD RISK	2.007	22	6.3	0.357	0.011	3.7404	
7200 minute summer	22	3600	9.531	1.531	8.1	6.5492	0.0000	FLOOD RISK	2.008	23	8.1	0.115	0.028	53.3017	
7200 minute summer	23	1140	7.750	1.600	8.1	0.0000	0.0000	FLOOD RISK	2.009	24	8.1	0.099	0.041	0.2472	
7200 minute summer	24	3600	9.529	0.028	8.1	0.0000	0.0000	OK	2.010	24_OUT	8.1	1.813	0.007	0.0267	
7200 minute summer	24_OUT	7200	7.745	0.212	8.1	0.0000	0.0000	OK	Flow through pond	49	28.8	0.003	0.000	2009.0337	
7200 minute summer	25	2880	8.894	0.008	0.1	0.0052	0.0000	OK	3.000	26	0.1	0.240	0.008	0.0148	
7200 minute summer	26	2880	8.445	0.010	0.2	0.0105	0.0000	OK	3.001	27	0.1	0.278	0.008	0.0177	
								Infiltration			0.1				
7200 minute summer	27	2880	8.124	0.008	0.2	0.0103	0.0000	OK	3.002	28	0.1	0.311	0.007	0.0141	
								Infiltration			0.1				
7200 minute summer	28	2880	7.704	0.008	0.2	0.0082	0.0000	OK	3.003	29	0.2	0.374	0.007	0.0168	
								Infiltration			0.1				
7200 minute summer	29	2880	7.075	0.010	0.3	0.0090	0.0000	OK	3.004	30	0.2	0.473	0.008	0.0033	
								Infiltration			0.0				
7200 minute summer	30	2880	6.830	0.005	0.2	0.0087	0.0000	OK	3.005	31	0.2	0.080	0.000	0.0061	
7200 minute summer	31	2880	6.701	0.008	0.2	0.0087	0.0000	OK	3.006	32	0.2	0.050	0.000	0.0060	
								Infiltration			0.0				
7200 minute summer	32	3600	6.658	0.011	0.2	0.0014	0.0000	OK	3.007	33	0.0	0.000	0.000	0.0402	

								Infiltration		0.1			
								Infiltration		0.1			
7200 minute summer	33	80	6.775	0.000	0.0	0.0000	0.0000OK	3.008	34	0.0	0.000	0.000	0.0002
7200 minute summer	34	60	6.745	0.000	0.0	0.0000	0.0000OK	3.009	35	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute summer	35	80	6.675	0.000	0.0	0.0000	0.0000OK	3.010	36	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute summer	36	60	6.585	0.000	0.0	0.0000	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
7200 minute summer	37	80	6.505	0.000	0.0	0.0000	0.0000OK	3.012	38	0.0	0.000	0.000	0.0003
7200 minute summer	38	60	6.255	0.000	0.0	0.0000	0.0000OK	3.013	39	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
								Infiltration		0.0			
7200 minute summer	39	60	6.455	0.000	0.0	0.0000	0.0000OK	3.014	40	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute summer	40	60	6.695	0.000	0.0	0.0000	0.0000OK	3.015	41	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute summer	41	60	6.855	0.000	0.0	0.0000	0.0000OK	3.016	42	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute summer	42	60	7.085	0.000	0.0	0.0000	0.0000OK	3.017	43	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute summer	43	60	7.145	0.000	0.0	0.0000	0.0000OK	3.018	44	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute summer	44	60	7.225	0.000	0.0	0.0000	0.0000OK	3.019	45	0.0	0.000	0.000	0.0002
7200 minute summer	45	60	7.195	0.000	0.0	0.0000	0.0000OK	3.020	46	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute summer	46	60	7.125	0.000	0.0	0.0000	0.0000OK	3.021	47	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute summer	47	60	6.955	0.000	0.0	0.0000	0.0000OK	3.022	48	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute summer	48	60	6.795	0.000	0.0	0.0000	0.0000OK	3.023	50	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute summer	49	7440	7.742	-0.258	30.3	0.0000	0.0000OK	Office	50	0.0			
								Infiltration		0.0			
7200 minute summer	50	80	7.400	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
7200 minute summer	51	60	7.300	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
7200 minute summer	52	50	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
7200 minute summer	53	60	6.785	0.000	0.0	0.0000	0.0000OK	3.024	54	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute summer	54	60	6.625	0.000	0.0	0.0000	0.0000OK	3.025	54_OUT	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute summer	54_OUT	80	6.505	0.000	0.0	0.0000	0.0000OK	Infiltration		0.0			
7200 minute summer	55	3360	8.458	0.013	0.1	0.0043	0.0000OK	5.000	56	0.1	0.150	0.014	0.0111
7200 minute summer	56	3360	8.428	0.012	0.2	0.0148	0.0000OK	5.001	57	0.2	0.182	0.012	0.0180

7200 minute summer	57	3360	8.327	0.017	0.3	0.0138	0.0000OK	Infiltration		0.0			
7200 minute summer	58	3480	8.285	0.020	0.3	0.0326	0.0000OK	Infiltration	58	0.2	0.177	0.027	0.0378
7200 minute summer	59	3380	8.217	0.012	0.3	0.0157	0.0000OK	Infiltration	59	0.2	0.209	0.028	0.0224
7200 minute summer	60	3660	8.216	0.025	0.3	0.0087	0.0000OK	Infiltration	60	0.2	0.041	0.000	0.3357
7200 minute summer	61	3880	8.210	0.074	0.4	0.0253	0.0000OK	Infiltration	61	0.3	0.026	0.000	1.2730
7200 minute summer	62							Infiltration	62	0.0	0.000	0.000	0.0000
7200 minute summer	63	3420	8.149	0.004	0.1	0.0013	0.0000OK	Infiltration	63	0.1	0.040	0.000	1.0585
7200 minute summer	63_OUT	3860	7.891	0.053	0.2	0.0137	0.0000OK	Infiltration	63_OUT	0.1	0.014	0.000	1.3526
7200 minute summer	64	50	6.185	0.000	0.0	0.0000	0.0000OK	Infiltration	64	0.0	0.000	0.000	0.0000
7200 minute summer	65	50	6.125	0.000	0.0	0.0000	0.0000OK	Infiltration	65	0.0	0.000	0.000	0.0000
7200 minute summer	66	50	6.093	0.000	0.0	0.0000	0.0000OK	Infiltration	66	0.0	0.000	0.000	0.0000
7200 minute summer	67	80	6.076	0.000	0.0	0.0000	0.0000OK	Infiltration	67	0.0	0.000	0.000	0.0000
7200 minute summer	68	50	6.078	0.000	0.0	0.0000	0.0000OK	Infiltration	68	0.0	0.000	0.000	0.0000
7200 minute summer	69	60	5.765	0.000	0.0	0.0000	0.0000OK	Infiltration	69	0.0	0.000	0.000	0.0000
7200 minute summer	70	50	5.755	0.000	0.0	0.0000	0.0000OK	Infiltration	70	0.0	0.000	0.000	0.0000
7200 minute summer	71	60	5.685	0.000	0.0	0.0000	0.0000OK	Infiltration	71	0.0	0.000	0.000	0.0000
7200 minute summer	72	60	5.685	0.000	0.0	0.0000	0.0000OK	Infiltration	72	0.0	0.000	0.000	0.0000
7200 minute summer	73	50	5.705	0.000	0.0	0.0000	0.0000OK	Infiltration	73	0.0	0.000	0.000	0.0000
7200 minute summer	74	60	5.765	0.000	0.0	0.0000	0.0000OK	Infiltration	74	0.0	0.000	0.000	0.0000
7200 minute summer	75	50	5.705	0.000	0.0	0.0000	0.0000OK	Infiltration	75	0.0	0.000	0.000	0.0000
7200 minute summer	76	60	5.635	0.000	0.0	0.0000	0.0000OK	Infiltration	76	0.0	0.000	0.000	0.0000
7200 minute summer	76_OUT	60	5.635	0.000	0.0	0.0000	0.0000OK	Infiltration	76_OUT	0.0	0.000	0.000	0.0000

Results for 2 year 7200 minute winter, 7448 minute analysis at 60 minute timestep, Mass balance: 86.75%

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	3540	9.527	0.227	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.014	-0.000	0.4853	
7200 minute winter	2	3600	9.527	0.277	0.5	0.0000	0.0000	FLOOD RISK	1.001	3	-0.5	-0.020	-0.024	1.1264	
7200 minute winter	3	3720	9.527	0.377	0.7	0.0000	0.0000	FLOOD RISK	1.002	4	-0.7	-0.023	-0.033	0.4988	
7200 minute winter	4	3720	9.527	0.427	0.8	0.0000	0.0000	FLOOD RISK	1.003	5	-0.8	-0.025	-0.033	0.8441	
7200 minute winter	5	3660	9.527	0.527	0.8	0.0000	0.0000	FLOOD RISK	1.004	6	-0.8	-0.027	-0.022	0.1921	
7200 minute winter	6	3660	9.527	0.627	1.4	5.1685	0.0000	FLOOD RISK	1.005	7	1.2	0.340	0.005	0.7796	
7200 minute winter	7	3660	9.527	0.777	1.9	3.1685	0.0000	FLOOD RISK	1.006	8	1.9	0.335	0.027	2.4923	
7200 minute winter	8	3720	9.527	0.977	3.3	6.7643	0.0000	FLOOD RISK	1.007	9	3.3	0.305	0.031	5.9230	
7200 minute winter	9	3600	9.527	1.177	5.6	11.4415	0.0000	FLOOD RISK	1.008	10	5.6	0.271	0.024	3.1380	
7200 minute winter	10	3600	9.527	1.227	6.0	2.1746	0.0000	FLOOD RISK	1.009	11	6.0	0.235	0.041	47.8913	
7200 minute winter	11	3600	9.528	1.528	6.0	0.0000	0.0000	FLOOD RISK	1.010	12	6.0	0.127	0.021	53.3278	
7200 minute winter	12	1080	7.750	1.000	6.0	0.0000	0.0000	FLOOD RISK	1.011	13	6.0	0.052	0.031	0.2480	
7200 minute winter	13	3720	9.525	0.025	6.0	0.0000	0.0000	OK	1.012	13_OUT	6.0	1.657	0.005	0.0217	
7200 minute winter	13_OUT	7140	7.774	0.241	6.0	0.0000	0.0000	OK	Flow through pond		49	27.8	0.003	0.000	2267.3254
7200 minute winter	14	3600	9.528	0.226	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.004	-0.004	0.8138	
7200 minute winter	15	3660	9.528	0.440	0.9	3.4836	0.0000	FLOOD RISK	2.001	16	0.9	0.277	0.019	0.9254	
7200 minute winter	16	3660	9.528	0.535	0.9	0.0000	0.0000	FLOOD RISK	2.002	17	0.9	0.294	0.016	0.6320	
7200 minute winter	17	3600	9.526	0.667	1.4	2.6691	0.0000	FLOOD RISK	2.003	18	1.4	0.280	0.018	1.6750	
7200 minute winter	18	3660	9.526	0.845	2.5	5.3144	0.0000	FLOOD RISK	2.004	19	2.5	0.285	0.020	5.4690	
7200 minute winter	19	3600	9.528	1.070	4.5	9.8469	0.0000	FLOOD RISK	2.005	20	4.5	0.269	0.023	4.9628	
7200 minute winter	20	3600	9.528	1.115	4.5	0.0000	0.0000	FLOOD RISK	2.006	21	4.5	0.359	0.023	3.4979	
7200 minute winter	21	3660	9.528	1.154	4.5	0.0000	0.0000	FLOOD RISK	2.007	22	4.5	0.396	0.000	3.7404	
7200 minute winter	22	3660	9.526	1.526	5.8	6.5274	0.0000	FLOOD RISK	2.008	23	5.8	0.155	0.020	53.3017	
7200 minute winter	23	1080	7.750	1.030	5.8	0.0000	0.0000	FLOOD RISK	2.009	24	5.8	0.050	0.030	0.2480	
7200 minute winter	24	3600	9.525	0.025	5.8	0.0000	0.0000	OK	2.010	24_OUT	5.8	1.642	0.005	0.0212	
7200 minute winter	24_OUT	7030	7.774	0.241	5.8	0.0000	0.0000	OK	Flow through pond		49	27.8	0.003	0.000	2267.3254
7200 minute winter	25	2520	8.604	0.008	0.1	0.0052	0.0000	OK	3.000	26	0.1	0.240	0.000	0.0148	
7200 minute winter	26	2520	8.445	0.010	0.2	0.0103	0.0000	OK	3.001	27	0.1	0.278	0.000	0.0177	
											Infiltration		0.1		
7200 minute winter	27	2520	8.124	0.039	0.2	0.0103	0.0000	OK	3.002	28	0.1	0.311	0.007	0.0141	
											Infiltration		0.1		
7200 minute winter	28	2520	7.704	0.009	0.2	0.0092	0.0000	OK	3.003	29	0.2	0.374	0.007	0.0168	
											Infiltration		0.1		
7200 minute winter	29	2520	7.075	0.010	0.3	0.0090	0.0000	OK	3.004	30	0.2	0.473	0.008	0.0033	
											Infiltration		0.0		
7200 minute winter	30	2520	6.639	0.005	0.2	0.0007	0.0000	OK	3.005	31	0.2	0.060	0.000	0.0561	
7200 minute winter	31	2520	6.701	0.006	0.2	0.0007	0.0000	OK	3.006	32	0.2	0.050	0.000	0.0868	
											Infiltration		0.0		

7200 minute winter	32	2640	6.858	0.011	0.2	0.0014	0.0000OK	3.087	33	0.0	0.000	0.000	0.0002
								Infiltration		0.1			
								Infiltration		0.1			
7200 minute winter	33	50	6.775	0.000	0.0	0.0000	0.0000OK	3.088	34	0.0	0.000	0.000	0.0002
7200 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000OK	3.089	35	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	35	80	6.675	0.000	0.0	0.0000	0.0000OK	3.010	36	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	36	90	6.505	0.000	0.0	0.0000	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
7200 minute winter	37	80	6.505	0.000	0.0	0.0000	0.0000OK	3.012	38	0.0	0.000	0.000	0.0000
7200 minute winter	38	80	6.265	0.000	0.0	0.0000	0.0000OK	3.013	39	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
								Infiltration		0.0			
7200 minute winter	39	50	6.455	0.000	0.0	0.0000	0.0000OK	3.014	40	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	40	80	6.895	0.000	0.0	0.0000	0.0000OK	3.015	41	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	41	90	6.885	0.000	0.0	0.0000	0.0000OK	3.016	42	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000OK	3.017	43	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	43	80	7.145	0.000	0.0	0.0000	0.0000OK	3.018	44	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	44	90	7.225	0.000	0.0	0.0000	0.0000OK	3.019	45	0.0	0.000	0.000	0.0002
7200 minute winter	45	50	7.195	0.000	0.0	0.0000	0.0000OK	3.020	46	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	46	80	7.125	0.000	0.0	0.0000	0.0000OK	3.021	47	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	47	50	6.985	0.000	0.0	0.0000	0.0000OK	3.022	48	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	48	60	6.795	0.000	0.0	0.0000	0.0000OK	3.023	53	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	49	7440	7.771	-0.229	30.5	0.0000	0.0000OK	Orifice	50	0.0			
								Infiltration		0.0			
7200 minute winter	50	50	7.400	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
7200 minute winter	51	60	7.300	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
7200 minute winter	52	80	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
7200 minute winter	53	80	6.785	0.000	0.0	0.0000	0.0000OK	3.024	54	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	54	50	6.525	0.000	0.0	0.0000	0.0000OK	3.025	54_OUT	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	54_OUT	80	6.505	0.000	0.0	0.0000	0.0000OK	Infiltration		0.0			

7200 minute winter	55	3380	8.459	0.013	0.1	0.0043	0.0000	OK	5.090	56	0.1	0.150	0.014	0.0111
7200 minute winter	56	3380	8.428	0.012	0.2	0.0149	0.0000	OK	5.091	57	0.2	0.182	0.012	0.0180
									Infiltration		0.0			
7200 minute winter	57	3350	8.327	0.017	0.3	0.0130	0.0000	OK	5.092	58	0.2	0.177	0.027	0.0378
									Infiltration		0.0			
7200 minute winter	58	3450	8.265	0.020	0.3	0.0328	0.0000	OK	5.093	59	0.2	0.209	0.028	0.0224
									Infiltration		0.1			
7200 minute winter	59	3280	8.217	0.012	0.3	0.0157	0.0000	OK	5.094	60	0.2	0.041	0.000	0.3357
									Infiltration		0.1			
7200 minute winter	60	3950	8.210	0.025	0.3	0.0087	0.0000	OK	5.095	61	0.3	0.020	0.000	1.2730
									Infiltration		0.1			
7200 minute winter	61	3980	8.210	0.074	0.4	0.0253	0.0000	OK	5.096	62	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
7200 minute winter	62	3420	8.149	0.034	0.1	0.0013	0.0000	OK	5.097	63	0.1	0.040	0.000	1.6585
7200 minute winter	63	3950	7.991	0.055	0.2	0.0167	0.0000	OK	5.098	63_OUT	0.1	0.014	0.000	1.3525
									Infiltration		0.1			
7200 minute winter	63_OUT	3980	7.991	0.126	0.2	0.0429	0.0000	OK	Infiltration		0.2			
7200 minute winter	64	80	6.185	0.000	0.0	0.0000	0.0000	OK	5.099	65	0.0	0.000	0.000	0.0002
7200 minute winter	65	80	6.125	0.000	0.0	0.0000	0.0000	OK	5.091	66	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	66	60	6.093	0.000	0.0	0.0000	0.0000	OK	5.092	67	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
7200 minute winter	67	80	6.075	0.000	0.0	0.0000	0.0000	OK	5.093	68	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
7200 minute winter	68	60	6.078	0.000	0.0	0.0000	0.0000	OK	5.094	69	0.0	0.000	0.000	0.0004
7200 minute winter	69	60	5.765	0.000	0.0	0.0000	0.0000	OK	5.095	70	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
7200 minute winter	70	80	5.755	0.000	0.0	0.0000	0.0000	OK	5.096	71	0.0	0.000	0.000	0.0001
7200 minute winter	71	80	5.685	0.000	0.0	0.0000	0.0000	OK	5.097	72	0.0	0.000	0.000	0.0004
									Infiltration		0.0			
7200 minute winter	72	60	5.685	0.000	0.0	0.0000	0.0000	OK	5.098	73	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
7200 minute winter	73	80	5.705	0.000	0.0	0.0000	0.0000	OK	5.099	74	0.0	0.000	0.000	0.0001
7200 minute winter	74	80	5.705	0.000	0.0	0.0000	0.0000	OK	5.010	75	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
7200 minute winter	75	60	5.705	0.000	0.0	0.0000	0.0000	OK	5.011	76	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
7200 minute winter	76	80	5.835	0.000	0.0	0.0000	0.0000	OK	5.012	76_OUT	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
7200 minute winter	76_OUT	80	5.835	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

Results for 2 year 8640 minute summer, 8640 minute analysis at 60 minute timestep, Mass balance: 98.68%

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)
8640 minute summer	1	4320	9.531	0.231	0.1	0.0090	0.0000	FLOOD RISK	1.090	2	-0.1	-0.005	-0.006	0.4653	
8640 minute summer	2	4320	9.531	0.281	0.3	0.0090	0.0000	FLOOD RISK	1.001	3	-0.3	-0.016	-0.014	1.1264	
8640 minute summer	3	4380	9.531	0.381	0.4	0.0090	0.0000	FLOOD RISK	1.002	4	-0.4	-0.015	-0.013	0.4688	
8640 minute summer	4	4380	9.531	0.431	0.5	0.0090	0.0000	FLOOD RISK	1.003	5	-0.5	-0.017	-0.022	0.8441	
8640 minute summer	5	4380	9.531	0.531	0.6	0.0090	0.0000	FLOOD RISK	1.004	8	-0.8	-0.018	-0.015	0.1821	
8640 minute summer	6	4320	9.531	0.631	1.5	5.1998	0.0000	FLOOD RISK	1.005	7	1.5	0.291	0.031	0.7796	
8640 minute summer	7	4320	9.531	0.781	2.4	3.1820	0.0000	FLOOD RISK	1.006	8	2.4	0.288	0.034	2.4923	
8640 minute summer	8	4380	9.531	0.881	4.2	6.7396	0.0000	FLOOD RISK	1.007	9	4.2	0.257	0.039	5.9230	
8640 minute summer	9	4320	9.530	1.180	7.1	11.4789	0.0000	FLOOD RISK	1.008	10	7.1	0.240	0.030	3.1360	
8640 minute summer	10	4320	9.530	1.230	7.6	2.1815	0.0000	FLOOD RISK	1.009	11	7.6	0.218	0.051	47.8513	
8640 minute summer	11	4320	9.530	1.530	7.6	0.0090	0.0000	FLOOD RISK	1.010	12	7.6	0.199	0.026	53.3278	
8640 minute summer	12	1200	7.750	1.000	7.6	0.0090	0.0000	FLOOD RISK	1.011	13	7.6	0.065	0.039	0.2468	
8640 minute summer	13	4380	9.528	0.028	7.6	0.0000	0.0000	OK	1.012	13_OUT	7.6	1.778	0.006	0.0256	
8640 minute summer	13_OUT	8640	7.789	0.230	7.6	0.0000	0.0000	OK	Flow through pond	49	24.5	0.003	0.000	2221.0962	
8640 minute summer	14	4320	9.529	0.229	0.1	0.0090	0.0000	FLOOD RISK	2.050	15	-0.1	-0.009	-0.004	0.8136	
8640 minute summer	15	4320	9.528	0.443	1.2	3.5139	0.0000	FLOOD RISK	2.001	16	1.2	0.240	0.025	0.9254	
8640 minute summer	16	4320	9.528	0.538	1.2	0.0000	0.0000	FLOOD RISK	2.002	17	1.2	0.256	0.034	0.6320	
8640 minute summer	17	4320	9.529	0.670	1.8	2.0796	0.0000	FLOOD RISK	2.003	18	1.8	0.271	0.020	1.8750	
8640 minute summer	18	4320	9.529	0.848	3.2	5.3356	0.0000	FLOOD RISK	2.004	19	3.2	0.285	0.025	5.4890	
8640 minute summer	19	4380	9.529	1.073	5.7	9.5787	0.0000	FLOOD RISK	2.005	20	5.7	0.246	0.029	4.0828	
8640 minute summer	20	4380	9.529	1.118	5.7	0.0000	0.0000	FLOOD RISK	2.006	21	5.7	0.342	0.028	3.4979	
8640 minute summer	21	4380	9.529	1.157	5.7	0.0090	0.0000	FLOOD RISK	2.007	22	5.7	0.357	0.010	3.7404	
8640 minute summer	22	4380	9.528	1.529	7.3	8.6417	0.0000	FLOOD RISK	2.008	23	7.3	0.114	0.025	53.3017	
8640 minute summer	23	1320	7.750	1.600	7.3	0.0000	0.0000	FLOOD RISK	2.009	24	7.3	0.082	0.037	0.2468	
8640 minute summer	24	4380	9.527	0.027	7.3	0.0000	0.0000	OK	2.010	24_OUT	7.3	1.757	0.000	0.0249	
8640 minute summer	24_OUT	8640	7.760	0.236	7.3	0.0090	0.0000	OK	Flow through pond	49	24.5	0.003	0.000	2221.0962	
8640 minute summer	25	3480	8.894	0.008	0.1	0.0052	0.0000	OK	3.000	26	0.1	0.240	0.006	0.0148	
8640 minute summer	26	3480	8.445	0.010	0.2	0.0105	0.0000	OK	3.001	27	0.1	0.278	0.008	0.0177	
8640 minute summer	27							Infiltration			0.1				
8640 minute summer	27	3480	8.124	0.009	0.2	0.0103	0.0000	OK	3.002	28	0.1	0.311	0.007	0.0141	
8640 minute summer	28							Infiltration			0.1				
8640 minute summer	28	3480	7.704	0.008	0.2	0.0082	0.0000	OK	3.003	29	0.2	0.374	0.007	0.0188	
8640 minute summer	29							Infiltration			0.1				
8640 minute summer	29	3480	7.075	0.010	0.3	0.0090	0.0000	OK	3.004	30	0.2	0.473	0.008	0.0033	
8640 minute summer	30							Infiltration			0.0				
8640 minute summer	30	3480	6.830	0.005	0.2	0.0097	0.0000	OK	3.005	31	0.2	0.080	0.000	0.0061	
8640 minute summer	31							Infiltration			0.0				
8640 minute summer	31	3480	6.701	0.008	0.2	0.0097	0.0000	OK	3.006	32	0.2	0.050	0.000	0.0060	
8640 minute summer	32							Infiltration			0.0				
8640 minute summer	32	3600	6.658	0.011	0.2	0.0014	0.0000	OK	3.007	33	0.0	0.000	0.000	0.0402	

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8640 minute summer	57	4080	8.327	0.017	0.3	0.0138	0.0000CK	Infiltration	5.002	58	0.2	0.177	0.027	0.0378
8640 minute summer	58	4200	8.285	0.020	0.3	0.0326	0.0000CK	Infiltration	5.003	59	0.2	0.209	0.028	0.0224
8640 minute summer	59	4080	8.217	0.012	0.3	0.0157	0.0000CK	Infiltration	5.004	60	0.2	0.041	0.000	0.3357
8640 minute summer	60	4680	8.210	0.025	0.3	0.0087	0.0000CK	Infiltration	5.005	61	0.3	0.028	0.000	1.2730
8640 minute summer	61	4680	8.210	0.074	0.4	0.0253	0.0000CK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
8640 minute summer	62	4140	8.149	0.004	0.1	0.0013	0.0000CK	Infiltration	5.007	63	0.1	0.040	0.000	1.0585
8640 minute summer	63	4680	7.891	0.053	0.2	0.0137	0.0000CK	Infiltration	5.008	63_OUT	0.1	0.014	0.000	1.3526
8640 minute summer	63_OUT	4680	7.891	0.120	0.2	0.0429	0.0000CK	Infiltration	5.009					
8640 minute summer	64	60	6.185	0.000	0.0	0.0000	0.0000CK	Infiltration	6.000	65	0.0	0.000	0.000	0.0000
8640 minute summer	65	60	6.125	0.000	0.0	0.0000	0.0000CK	Infiltration	6.001	66	0.0	0.000	0.000	0.0000
8640 minute summer	66	60	6.093	0.000	0.0	0.0000	0.0000CK	Infiltration	6.002	67	0.0	0.000	0.000	0.0000
8640 minute summer	67	60	6.076	0.000	0.0	0.0000	0.0000CK	Infiltration	6.003	68	0.0	0.000	0.000	0.0000
8640 minute summer	68	60	6.078	0.000	0.0	0.0000	0.0000CK	Infiltration	6.004	69	0.0	0.000	0.000	0.0000
8640 minute summer	69	60	5.765	0.000	0.0	0.0000	0.0000CK	Infiltration	6.005	70	0.0	0.000	0.000	0.0000
8640 minute summer	70	60	5.755	0.000	0.0	0.0000	0.0000CK	Infiltration	6.006	71	0.0	0.000	0.000	0.0000
8640 minute summer	71	60	5.685	0.000	0.0	0.0000	0.0000CK	Infiltration	6.007	72	0.0	0.000	0.000	0.0000
8640 minute summer	72	60	5.685	0.000	0.0	0.0000	0.0000CK	Infiltration	6.008	73	0.0	0.000	0.000	0.0000
8640 minute summer	73	60	5.705	0.000	0.0	0.0000	0.0000CK	Infiltration	6.009	74	0.0	0.000	0.000	0.0000
8640 minute summer	74	60	5.705	0.000	0.0	0.0000	0.0000CK	Infiltration	6.010	75	0.0	0.000	0.000	0.0000
8640 minute summer	75	60	5.705	0.000	0.0	0.0000	0.0000CK	Infiltration	6.011	76	0.0	0.000	0.000	0.0000
8640 minute summer	76	60	5.635	0.000	0.0	0.0000	0.0000CK	Infiltration	6.012	76_OUT	0.0	0.000	0.000	0.0000
8640 minute summer	76_OUT	60	5.635	0.000	0.0	0.0000	0.0000CK	Infiltration	6.013					

Results for 2 year 8640 minute winter, 8888 minute analysis at 60 minute timestep, Mass balance: 87.88%

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)
8640 minute winter	1	4500	9.528	0.226	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.008	-0.008	0.4853	
8640 minute winter	2	4500	9.528	0.270	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.015	-0.023	1.1264	
8640 minute winter	3	4320	9.528	0.376	0.6	0.0000	0.0000	FLOOD RISK	1.002	4	-0.6	-0.029	-0.027	0.4988	
8640 minute winter	4	4320	9.528	0.426	0.6	0.0000	0.0000	FLOOD RISK	1.003	5	-0.6	-0.022	-0.027	0.8441	
8640 minute winter	5	4500	9.528	0.639	0.7	0.0000	0.0000	FLOOD RISK	1.004	6	-0.7	-0.022	-0.018	0.1921	
8640 minute winter	6	4200	9.528	0.626	1.2	5.1573	0.0000	FLOOD RISK	1.005	7	1.1	0.319	0.023	0.7796	
8640 minute winter	7	4200	9.528	0.770	1.7	3.1612	0.0000	FLOOD RISK	1.006	8	1.7	0.305	0.024	2.4923	
8640 minute winter	8	4320	9.528	0.976	3.0	6.6982	0.0000	FLOOD RISK	1.007	9	3.0	0.281	0.028	5.9230	
8640 minute winter	9	4200	9.528	1.176	5.1	11.4306	0.0000	FLOOD RISK	1.008	10	5.1	0.248	0.022	3.1380	
8640 minute winter	10	4260	9.528	1.225	5.5	2.1728	0.0000	FLOOD RISK	1.009	11	5.5	0.226	0.037	47.8913	
8640 minute winter	11	4260	9.525	1.625	5.5	0.0000	0.0000	FLOOD RISK	1.010	12	5.5	0.195	0.019	53.3278	
8640 minute winter	12	1140	7.750	1.000	5.5	0.0000	0.0000	FLOOD RISK	1.011	13	5.5	0.047	0.026	0.2457	
8640 minute winter	13	4500	9.524	0.024	5.5	0.0000	0.0000	OK	1.012	13_OUT	5.5	1.617	0.004	0.0204	
8640 minute winter	13_OUT	8400	7.802	0.289	5.5	0.0000	0.0000	OK	Flow through pond	49	26.0	0.003	0.000	2517.8342	
8640 minute winter	14	4320	9.524	0.224	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.006	-0.005	0.8138	
8640 minute winter	15	4440	9.524	0.438	0.8	3.4757	0.0000	FLOOD RISK	2.001	16	0.8	0.246	0.017	0.9254	
8640 minute winter	16	4380	9.524	0.533	0.8	0.0000	0.0000	FLOOD RISK	2.002	17	0.8	0.258	0.016	0.6320	
8640 minute winter	17	4380	9.524	0.666	1.2	2.6648	0.0000	FLOOD RISK	2.003	18	1.2	0.271	0.015	1.6750	
8640 minute winter	18	4320	9.524	0.840	2.2	5.3658	0.0000	FLOOD RISK	2.004	19	2.2	0.285	0.018	5.4690	
8640 minute winter	19	4440	9.524	1.088	4.0	9.8344	0.0000	FLOOD RISK	2.005	20	4.0	0.262	0.020	4.9528	
8640 minute winter	20	4440	9.524	1.113	4.0	0.0000	0.0000	FLOOD RISK	2.006	21	4.0	0.359	0.020	3.4979	
8640 minute winter	21	4380	9.524	1.152	4.0	0.0000	0.0000	FLOOD RISK	2.007	22	4.0	0.357	0.007	3.7404	
8640 minute winter	22	4380	9.524	1.524	5.2	6.5218	0.0000	FLOOD RISK	2.008	23	5.2	0.130	0.016	53.3017	
8640 minute winter	23	1200	7.750	1.000	5.2	0.0000	0.0000	FLOOD RISK	2.009	24	5.2	0.045	0.025	0.2457	
8640 minute winter	24	4380	9.524	0.024	5.2	0.0000	0.0000	OK	2.010	24_OUT	5.2	1.591	0.004	0.0196	
8640 minute winter	24_OUT	8520	7.802	0.289	5.2	0.0000	0.0000	OK	Flow through pond	49	26.0	0.003	0.000	2517.8342	
8640 minute winter	25	3120	8.604	0.008	0.1	0.0052	0.0000	OK	3.000	26	0.1	0.240	0.000	0.0148	
8640 minute winter	26	3120	8.445	0.010	0.2	0.0105	0.0000	OK	3.001	27	0.1	0.278	0.000	0.0177	
8640 minute winter	27							Infiltration			0.1				
8640 minute winter	27	3120	8.124	0.039	0.2	0.0103	0.0000	OK	3.002	28	0.1	0.311	0.007	0.0141	
8640 minute winter	28							Infiltration			0.1				
8640 minute winter	28	3120	7.704	0.009	0.2	0.0092	0.0000	OK	3.003	29	0.2	0.374	0.007	0.0168	
8640 minute winter	29							Infiltration			0.1				
8640 minute winter	29	3120	7.075	0.010	0.3	0.0090	0.0000	OK	3.004	30	0.2	0.473	0.008	0.0033	
8640 minute winter	30							Infiltration			0.0				
8640 minute winter	30	3120	6.839	0.005	0.2	0.0007	0.0000	OK	3.005	31	0.2	0.050	0.000	0.0561	
8640 minute winter	31	3120	6.701	0.005	0.2	0.0007	0.0000	OK	3.006	32	0.2	0.050	0.000	0.0868	
8640 minute winter								Infiltration			0.0				

8640 minute winter	32	3240	6.858	0.011	0.2	0.0014	0.0000OK	3.087	33	0.0	0.000	0.000	0.0002
								Infiltration		0.1			
								Infiltration		0.1			
8640 minute winter	33	50	6.775	0.000	0.0	0.0000	0.0000OK	3.088	34	0.0	0.000	0.000	0.0002
8640 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000OK	3.089	35	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	35	80	6.675	0.000	0.0	0.0000	0.0000OK	3.010	36	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	36	90	6.505	0.000	0.0	0.0000	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
8640 minute winter	37	80	6.505	0.000	0.0	0.0000	0.0000OK	3.012	38	0.0	0.000	0.000	0.0000
8640 minute winter	38	80	6.265	0.000	0.0	0.0000	0.0000OK	3.013	39	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
								Infiltration		0.0			
8640 minute winter	39	50	6.455	0.000	0.0	0.0000	0.0000OK	3.014	40	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	40	80	6.895	0.000	0.0	0.0000	0.0000OK	3.015	41	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	41	90	6.885	0.000	0.0	0.0000	0.0000OK	3.016	42	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	42	60	7.985	0.000	0.0	0.0000	0.0000OK	3.017	43	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	43	80	7.145	0.000	0.0	0.0000	0.0000OK	3.018	44	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	44	90	7.225	0.000	0.0	0.0000	0.0000OK	3.019	45	0.0	0.000	0.000	0.0002
8640 minute winter	45	50	7.195	0.000	0.0	0.0000	0.0000OK	3.020	46	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	46	80	7.125	0.000	0.0	0.0000	0.0000OK	3.021	47	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	47	50	6.985	0.000	0.0	0.0000	0.0000OK	3.022	48	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	48	50	6.795	0.000	0.0	0.0000	0.0000OK	3.023	53	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	49	8880	7.799	-0.201	28.8	0.0000	0.0000OK	Orifice	50	0.0			
								Infiltration		0.0			
8640 minute winter	50	50	7.400	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
8640 minute winter	51	60	7.300	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
8640 minute winter	52	80	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
8640 minute winter	53	80	6.785	0.000	0.0	0.0000	0.0000OK	3.024	54	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	54	50	6.525	0.000	0.0	0.0000	0.0000OK	3.025	54_OUT	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	54_OUT	50	6.505	0.000	0.0	0.0000	0.0000OK	Infiltration		0.0			

8640 minute winter	55	4320	8.459	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111
8640 minute winter	56	4320	8.428	0.012	0.2	0.0149	0.0000	OK	5.001	57	0.2	0.182	0.012	0.0180
									Infiltration		0.0			
8640 minute winter	57	4320	8.327	0.017	0.3	0.0130	0.0000	OK	5.002	58	0.2	0.177	0.027	0.0378
									Infiltration		0.0			
8640 minute winter	58	4440	8.265	0.020	0.3	0.0328	0.0000	OK	5.003	59	0.2	0.209	0.028	0.0224
									Infiltration		0.1			
8640 minute winter	59	4320	8.217	0.012	0.3	0.0157	0.0000	OK	5.004	60	0.2	0.041	0.000	0.2887
									Infiltration		0.1			
8640 minute winter	60	4440	8.208	0.021	0.3	0.0070	0.0000	OK	5.005	61	0.3	0.020	0.000	1.1405
									Infiltration		0.1			
8640 minute winter	61	4440	8.205	0.009	0.4	0.0238	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
8640 minute winter	62	4380	8.140	0.034	0.1	0.0013	0.0000	OK	5.007	63	0.1	0.040	0.000	0.5655
8640 minute winter	63	4440	7.985	0.029	0.2	0.0098	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	0.9308
									Infiltration		0.0			
8640 minute winter	63_OUT	4440	7.895	0.100	0.2	0.0341	0.0000	OK	Infiltration		0.2			
8640 minute winter	64	80	6.185	0.000	0.0	0.0000	0.0000	OK	5.000	65	0.0	0.000	0.000	0.0002
8640 minute winter	65	80	6.125	0.000	0.0	0.0000	0.0000	OK	5.001	66	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	66	60	6.093	0.000	0.0	0.0000	0.0000	OK	5.002	67	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
8640 minute winter	67	80	6.075	0.000	0.0	0.0000	0.0000	OK	5.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
8640 minute winter	68	60	6.078	0.000	0.0	0.0000	0.0000	OK	5.004	69	0.0	0.000	0.000	0.0004
8640 minute winter	69	60	5.785	0.000	0.0	0.0000	0.0000	OK	5.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
8640 minute winter	70	80	5.755	0.000	0.0	0.0000	0.0000	OK	5.006	71	0.0	0.000	0.000	0.0001
8640 minute winter	71	80	5.685	0.000	0.0	0.0000	0.0000	OK	5.007	72	0.0	0.000	0.000	0.0004
									Infiltration		0.0			
8640 minute winter	72	60	5.685	0.000	0.0	0.0000	0.0000	OK	5.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
8640 minute winter	73	80	5.705	0.000	0.0	0.0000	0.0000	OK	5.009	74	0.0	0.000	0.000	0.0001
8640 minute winter	74	80	5.705	0.000	0.0	0.0000	0.0000	OK	5.010	75	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
8640 minute winter	75	60	5.705	0.000	0.0	0.0000	0.0000	OK	5.011	76	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
8640 minute winter	76	80	5.835	0.000	0.0	0.0000	0.0000	OK	5.012	76_OUT	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
8640 minute winter	76_OUT	80	5.835	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

Results for 2 year 10080 minute summer, 19320 minute analysis at 60 minute timestep. Mass balance: 98.93%

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	9.530	0.230	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.018	-0.004	0.4653	
10080 minute summer	2	5100	9.529	0.278	0.2	0.0000	0.0000	FLOOD RISK	1.001	3	-0.2	-0.013	-0.011	1.1294	
10080 minute summer	3	5040	9.529	0.379	0.4	0.0000	0.0000	FLOOD RISK	1.002	4	-0.4	-0.020	-0.018	0.4386	
10080 minute summer	4	5040	9.529	0.429	0.4	0.0000	0.0000	FLOOD RISK	1.003	5	-0.4	-0.015	-0.019	0.5441	
10080 minute summer	5	5040	9.529	0.529	0.5	0.0000	0.0000	FLOOD RISK	1.004	6	-0.5	-0.015	-0.013	0.1621	
10080 minute summer	6	5100	9.529	0.629	1.4	5.1885	0.0000	FLOOD RISK	1.005	7	1.4	0.291	0.029	0.7796	
10080 minute summer	7	5100	9.529	0.779	2.2	3.1783	0.0000	FLOOD RISK	1.006	8	2.2	0.256	0.032	2.4823	
10080 minute summer	8	5040	9.529	0.979	3.8	6.7210	0.0000	FLOOD RISK	1.007	9	3.9	0.258	0.039	5.9220	
10080 minute summer	9	5040	9.529	1.179	6.8	11.4848	0.0000	FLOOD RISK	1.008	10	6.5	0.240	0.027	3.1360	
10080 minute summer	10	5040	9.529	1.229	7.0	2.1793	0.0000	FLOOD RISK	1.009	11	7.0	0.210	0.047	47.6013	
10080 minute summer	11	5100	9.528	1.528	7.9	0.0000	0.0000	FLOOD RISK	1.010	12	7.0	0.199	0.024	53.3278	
10080 minute summer	12	1440	7.750	1.000	7.3	0.0000	0.0000	FLOOD RISK	1.011	13	7.0	0.080	0.036	0.2465	
10080 minute summer	13	5100	9.527	0.027	7.0	0.0000	0.0000	OK	1.012	13_OUT	7.0	1.734	0.008	0.0242	
10080 minute summer	13_OUT	10080	7.792	0.259	7.0	0.0000	0.0000	OK	Flow through pond	49	14.5	0.002	0.000	2430.0720	
10080 minute summer	14	5100	9.528	0.228	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.005	-0.004	0.8136	
10080 minute summer	15	5040	9.528	0.442	1.1	3.5050	0.0000	FLOOD RISK	2.001	16	1.1	0.248	0.023	0.9254	
10080 minute summer	16	5040	9.528	0.537	1.1	0.0000	0.0000	FLOOD RISK	2.002	17	1.1	0.256	0.022	0.6329	
10080 minute summer	17	5040	9.528	0.669	1.7	2.0761	0.0000	FLOOD RISK	2.003	18	1.7	0.271	0.022	1.8750	
10080 minute summer	18	5100	9.528	0.847	3.0	5.3286	0.0000	FLOOD RISK	2.004	19	3.0	0.285	0.024	5.4890	
10080 minute summer	19	5040	9.528	1.072	5.3	9.8898	0.0000	FLOOD RISK	2.005	20	5.3	0.242	0.027	4.0628	
10080 minute summer	20	5100	9.528	1.117	5.3	0.0000	0.0000	FLOOD RISK	2.006	21	5.3	0.324	0.027	3.4979	
10080 minute summer	21	5100	9.528	1.158	5.3	0.0000	0.0000	FLOOD RISK	2.007	22	5.3	0.332	0.008	3.7404	
10080 minute summer	22	5100	9.528	1.528	6.8	5.6370	0.0000	FLOOD RISK	2.008	23	6.8	0.114	0.024	53.3017	
10080 minute summer	23	1500	7.750	1.000	6.8	0.0000	0.0000	FLOOD RISK	2.009	24	6.8	0.058	0.035	0.2496	
10080 minute summer	24	5100	9.527	0.027	6.8	0.0000	0.0000	OK	2.010	24_OUT	6.8	1.720	0.005	0.0237	
10080 minute summer	24_OUT	10080	7.792	0.259	6.8	0.0000	0.0000	OK	Flow through pond	49	14.5	0.002	0.000	2430.0720	
10080 minute summer	25	4140	8.904	0.005	0.1	0.0052	0.0000	OK	3.000	26	0.1	0.240	0.003	0.0148	
10080 minute summer	26	4140	8.445	0.010	0.2	0.0105	0.0000	OK	3.001	27	0.1	0.278	0.008	0.0177	
								Infiltration			0.1				
10080 minute summer	27	4140	8.124	0.009	0.2	0.0103	0.0000	OK	3.002	28	0.1	0.311	0.007	0.0141	
								Infiltration			0.1				
10080 minute summer	28	4140	7.794	0.009	0.2	0.0082	0.0000	OK	3.003	29	0.2	0.374	0.007	0.0188	
								Infiltration			0.1				
10080 minute summer	29	4140	7.075	0.010	0.3	0.0090	0.0000	OK	3.004	30	0.2	0.473	0.006	0.0033	
								Infiltration			0.0				
10080 minute summer	30	4140	6.830	0.005	0.2	0.0007	0.0000	OK	3.005	31	0.2	0.080	0.000	0.0581	
10080 minute summer	31	4140	6.701	0.000	0.2	0.0007	0.0000	OK	3.006	32	0.2	0.050	0.000	0.0608	
								Infiltration			0.0				
10080 minute summer	32	4260	6.856	0.011	0.2	0.0014	0.0000	OK	3.007	33	0.0	0.090	0.000	0.0402	

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10080 minute summer	57	4860	8.327	0.017	0.3	0.0138	0.0000OK	Infiltration	5.002	58	5.2	0.177	0.027	0.0178
10080 minute summer	58	4980	8.285	0.020	0.3	0.0328	0.0000OK	Infiltration	5.003	59	0.2	0.299	0.028	0.0224
10080 minute summer	59	4860	8.217	0.012	0.3	0.0157	0.0000OK	Infiltration	5.004	60	0.2	0.041	0.060	0.3348
10080 minute summer	60	5340	8.210	0.025	0.3	0.0088	0.0000OK	Infiltration	5.005	61	0.3	0.026	0.000	1.2704
10080 minute summer	61	5340	8.210	0.074	0.4	0.0252	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
10080 minute summer	62	4920	8.140	0.004	0.1	0.0013	0.0000OK	Infiltration	5.007	63	0.1	0.040	0.000	1.0092
10080 minute summer	63	5340	7.888	0.050	0.2	0.0179	0.0000OK	Infiltration	5.008	63_OUT	0.1	0.014	0.000	1.3108
10080 minute summer	63_OUT	5340	7.889	0.124	0.2	0.0429	0.0000OK	Infiltration	5.009	64	0.0	0.000	0.000	0.0000
10080 minute summer	64	60	5.185	0.000	0.0	0.0000	0.0000OK	Infiltration	5.010	65	0.0	0.000	0.000	0.0000
10080 minute summer	65	60	5.125	0.000	0.0	0.0000	0.0000OK	Infiltration	5.011	66	0.0	0.000	0.000	0.0000
10080 minute summer	66	60	5.093	0.000	0.0	0.0000	0.0000OK	Infiltration	5.012	67	0.0	0.000	0.000	0.0000
10080 minute summer	67	60	5.078	0.000	0.0	0.0000	0.0000OK	Infiltration	5.013	68	0.0	0.000	0.000	0.0000
10080 minute summer	68	60	5.075	0.000	0.0	0.0000	0.0000OK	Infiltration	5.014	69	0.0	0.000	0.000	0.0000
10080 minute summer	69	60	5.765	0.000	0.0	0.0000	0.0000OK	Infiltration	5.015	70	0.0	0.000	0.000	0.0000
10080 minute summer	70	60	5.755	0.000	0.0	0.0000	0.0000OK	Infiltration	5.016	71	0.0	0.000	0.000	0.0000
10080 minute summer	71	60	5.885	0.000	0.0	0.0000	0.0000OK	Infiltration	5.017	72	0.0	0.000	0.000	0.0000
10080 minute summer	72	60	5.885	0.000	0.0	0.0000	0.0000OK	Infiltration	5.018	73	0.0	0.000	0.000	0.0000
10080 minute summer	73	60	5.705	0.000	0.0	0.0000	0.0000OK	Infiltration	5.019	74	0.0	0.000	0.000	0.0000
10080 minute summer	74	60	5.705	0.000	0.0	0.0000	0.0000OK	Infiltration	5.020	75	0.0	0.000	0.000	0.0000
10080 minute summer	75	60	5.705	0.000	0.0	0.0000	0.0000OK	Infiltration	5.021	76	0.0	0.000	0.000	0.0000
10080 minute summer	76	60	5.835	0.000	0.0	0.0000	0.0000OK	Infiltration	5.022	76_OUT	0.0	0.000	0.000	0.0000
10080 minute summer	76_OUT	60	5.835	0.000	0.0	0.0000	0.0000OK	Infiltration	5.023					

Results for 2 year 10080 minute winter. 19320 minute analysis at 60 minute timestep. Mass balance: 87.23%

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	4980	9.525	0.225	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.005	-0.005	0.4853	
10080 minute winter	2	4980	9.525	0.275	0.3	0.0000	0.0000	FLOOD RISK	1.001	3	-0.3	-0.014	-0.016	1.1294	
10080 minute winter	3	4980	9.525	0.375	0.4	0.0000	0.0000	FLOOD RISK	1.002	4	-0.4	-0.013	-0.019	0.4986	
10080 minute winter	4	5280	9.525	0.425	0.5	0.0000	0.0000	FLOOD RISK	1.003	5	-0.5	-0.017	-0.020	0.8441	
10080 minute winter	5	5220	9.525	0.525	0.5	0.0000	0.0000	FLOOD RISK	1.004	6	-0.5	-0.018	-0.013	0.1621	
10080 minute winter	6	5280	9.525	0.825	1.0	5.1503	0.0000	FLOOD RISK	1.005	7	1.0	0.291	0.021	0.7796	
10080 minute winter	7	5280	9.525	0.775	1.8	3.1575	0.0000	FLOOD RISK	1.006	8	1.7	0.288	0.024	2.4923	
10080 minute winter	8	4860	9.525	0.975	2.9	6.8893	0.0000	FLOOD RISK	1.007	9	2.9	0.257	0.026	5.9236	
10080 minute winter	9	4980	9.525	1.175	4.8	11.4210	0.0000	FLOOD RISK	1.008	10	4.7	0.243	0.029	3.1389	
10080 minute winter	10	4980	9.524	1.224	5.1	2.1710	0.0000	FLOOD RISK	1.009	11	5.1	0.218	0.035	47.8613	
10080 minute winter	11	4980	9.524	1.524	5.1	0.0000	0.0000	FLOOD RISK	1.010	12	5.1	0.119	0.018	53.3278	
10080 minute winter	12	1290	7.750	1.000	5.1	0.0000	0.0000	FLOOD RISK	1.011	13	5.1	0.044	0.020	0.2455	
10080 minute winter	13	5280	9.520	0.020	5.1	0.0000	0.0000	OK	1.012	13_OUT	5.1	1.582	0.004	0.0190	
10080 minute winter	13_OUT	9960	7.831	0.297	5.1	0.0000	0.0000	OK	Flow through pond	49	13.8	0.002	0.000	2774.0409	
10080 minute winter	14	4880	9.524	0.224	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.004	-0.004	0.8138	
10080 minute winter	15	5100	9.524	0.438	0.8	3.4720	0.0000	FLOOD RISK	2.001	16	0.8	0.248	0.017	0.9254	
10080 minute winter	16	5100	9.524	0.533	0.8	0.0000	0.0000	FLOOD RISK	2.002	17	0.8	0.256	0.016	0.8320	
10080 minute winter	17	5190	9.524	0.665	1.2	2.0834	0.0000	FLOOD RISK	2.003	18	1.2	0.271	0.016	1.8750	
10080 minute winter	18	5190	9.524	0.843	2.2	5.3029	0.0000	FLOOD RISK	2.004	19	2.2	0.285	0.017	5.4896	
10080 minute winter	19	5040	9.524	1.066	3.9	9.6303	0.0000	FLOOD RISK	2.005	20	3.9	0.251	0.020	4.0028	
10080 minute winter	20	5040	9.524	1.113	3.9	0.0000	0.0000	FLOOD RISK	2.006	21	3.9	0.324	0.020	3.4979	
10080 minute winter	21	5160	9.524	1.152	3.9	0.0000	0.0000	FLOOD RISK	2.007	22	3.9	0.357	0.007	3.7404	
10080 minute winter	22	5100	9.524	1.524	5.0	6.8196	0.0000	FLOOD RISK	2.008	23	5.0	0.178	0.017	53.3017	
10080 minute winter	23	1290	7.750	1.000	5.0	0.0000	0.0000	FLOOD RISK	2.009	24	5.0	0.043	0.025	0.2456	
10080 minute winter	24	5040	9.520	0.020	5.0	0.0000	0.0000	OK	2.010	24_OUT	5.0	1.574	0.004	0.0190	
10080 minute winter	24_OUT	9960	7.831	0.297	5.0	0.0000	0.0000	OK	Flow through pond	49	13.8	0.002	0.000	2774.0409	
10080 minute winter	25	3720	8.804	0.008	0.1	0.0050	0.0000	OK	3.000	26	0.1	0.240	0.006	0.0148	
10080 minute winter	26	3720	8.445	0.010	0.2	0.0165	0.0000	OK	3.001	27	0.1	0.276	0.008	0.0177	
								Infiltration			0.1				
10080 minute winter	27	3720	8.124	0.009	0.2	0.0103	0.0000	OK	3.002	28	0.1	0.311	0.007	0.0141	
								Infiltration			0.1				
10080 minute winter	28	3720	7.704	0.008	0.2	0.0082	0.0000	OK	3.003	29	0.2	0.374	0.007	0.0188	
								Infiltration			0.1				
10080 minute winter	29	3720	7.075	0.010	0.3	0.0090	0.0000	OK	3.004	30	0.2	0.473	0.008	0.0033	
								Infiltration			0.0				
10080 minute winter	30	3720	6.830	0.005	0.2	0.0007	0.0000	OK	3.005	31	0.2	0.583	0.009	0.0581	
10080 minute winter	31	3720	6.701	0.008	0.2	0.0007	0.0000	OK	3.006	32	0.2	0.660	0.009	0.0608	
								Infiltration			0.0				

10080 minute winter	32	3840	8.658	0.011	0.2	0.0014	0.0000OK	3.007	33	0.0	0.000	0.000	0.0002
								Infiltration		0.1			
								Infiltration		0.1			
10080 minute winter	33	60	8.775	0.000	0.0	0.0000	0.0000OK	3.008	34	0.0	0.000	0.000	0.0002
10080 minute winter	34	60	8.745	0.000	0.0	0.0000	0.0000OK	3.009	35	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	35	60	8.675	0.000	0.0	0.0000	0.0000OK	3.010	36	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	36	60	8.505	0.000	0.0	0.0000	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
10080 minute winter	37	60	8.505	0.000	0.0	0.0000	0.0000OK	3.012	38	0.0	0.000	0.000	0.0003
10080 minute winter	38	60	8.255	0.000	0.0	0.0000	0.0000OK	3.013	39	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
								Infiltration		0.0			
10080 minute winter	39	60	8.455	0.000	0.0	0.0000	0.0000OK	3.014	40	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	40	60	8.695	0.000	0.0	0.0000	0.0000OK	3.015	41	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	41	60	8.885	0.000	0.0	0.0000	0.0000OK	3.016	42	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000OK	3.017	43	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	43	60	7.145	0.000	0.0	0.0000	0.0000OK	3.018	44	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000OK	3.019	45	0.0	0.000	0.000	0.0002
10080 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000OK	3.020	46	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	46	60	7.125	0.000	0.0	0.0000	0.0000OK	3.021	47	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	47	60	6.985	0.000	0.0	0.0000	0.0000OK	3.022	48	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	48	60	6.795	0.000	0.0	0.0000	0.0000OK	3.023	49	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	49	10320	7.827	-0.173	18.3	0.0000	0.0000OK	Office	50	0.0			
								Infiltration		0.0			
10080 minute winter	50	60	7.400	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
10080 minute winter	51	60	7.300	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
10080 minute winter	52	60	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
10080 minute winter	53	60	6.755	0.000	0.0	0.0000	0.0000OK	3.024	54	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	54	60	6.825	0.000	0.0	0.0000	0.0000OK	3.025	54_OUT	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000OK	Infiltration		0.0			

10080 minute winter	55	60	8.448	0.003	0.0	0.0000	0.0000OK	5.000	56	0.0	0.000	0.000	0.0000
10080 minute winter	56	60	8.416	0.003	0.0	0.0000	0.0000OK	5.001	57	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
10080 minute winter	57	60	8.310	0.000	0.0	0.0000	0.0000OK	5.002	58	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
10080 minute winter	58	60	8.245	0.003	0.0	0.0000	0.0000OK	5.003	59	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
10080 minute winter	59	60	8.265	0.000	0.0	0.0000	0.0000OK	5.004	60	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
10080 minute winter	60	60	8.185	0.000	0.0	0.0000	0.0000OK	5.005	61	0.0	0.000	0.000	0.0007
								Infiltration		0.0			
10080 minute winter	61	60	8.138	0.003	0.0	0.0000	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
10080 minute winter	62	60	8.136	0.000	0.0	0.0000	0.0000OK	5.007	63	0.0	0.000	0.000	0.0019
10080 minute winter	63	60	7.839	0.000	0.0	0.0000	0.0000OK	5.008	63_OUT	0.0	0.000	0.000	0.0004
								Infiltration		0.0			
10080 minute winter	63_OUT	60	7.765	0.003	0.0	0.0000	0.0000OK	Infiltration		0.0			
10080 minute winter	64	60	8.165	0.000	0.0	0.0000	0.0000OK	6.000	65	0.0	0.000	0.000	0.0002
10080 minute winter	65	60	8.125	0.000	0.0	0.0000	0.0000OK	6.001	66	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	66	60	6.093	0.003	0.0	0.0000	0.0000OK	6.002	67	0.0	0.000	0.000	0.0001
								Infiltration		0.0			
10080 minute winter	67	60	6.076	0.000	0.0	0.0000	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
10080 minute winter	68	60	6.076	0.000	0.0	0.0000	0.0000OK	6.004	69	0.0	0.000	0.000	0.0004
10080 minute winter	69	60	5.785	0.000	0.0	0.0000	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
10080 minute winter	70	60	5.755	0.000	0.0	0.0000	0.0000OK	6.006	71	0.0	0.000	0.000	0.0001
10080 minute winter	71	60	5.685	0.000	0.0	0.0000	0.0000OK	6.007	72	0.0	0.000	0.000	0.0004
								Infiltration		0.0			
10080 minute winter	72	60	5.685	0.000	0.0	0.0000	0.0000OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
10080 minute winter	73	60	5.705	0.003	0.0	0.0000	0.0000OK	6.009	74	0.0	0.000	0.000	0.0001
10080 minute winter	74	60	5.705	0.000	0.0	0.0000	0.0000OK	6.010	75	0.0	0.000	0.000	0.0001
								Infiltration		0.0			
10080 minute winter	75	60	5.735	0.000	0.0	0.0000	0.0000OK	6.011	76	0.0	0.000	0.000	0.0001
								Infiltration		0.0			
10080 minute winter	76	60	5.635	0.000	0.0	0.0000	0.0000OK	6.012	76_OUT	0.0	0.000	0.000	0.0001
								Infiltration		0.0			
10080 minute winter	76_OUT	60	5.635	0.000	0.0	0.0000	0.0000OK	Infiltration		0.0			

Results for 30 year 15 minute summer, 355 minute analysis at 1 minute timestep, Mass balance: 93.92%

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	11	9.800	0.530	13.1	0.0000	0.0000	FLOOD RISK	1.000	2	-13.1	-0.420	-0.600	0.4853	
15 minute summer	2	11	9.800	0.550	24.9	0.0000	0.0000	FLOOD RISK	1.001	3	-24.9	-0.875	-1.205	1.1264	
15 minute summer	3	11	9.800	0.650	31.5	0.0000	0.0000	FLOOD RISK	1.002	4	-31.5	-1.007	-1.480	0.4868	
15 minute summer	4	11	9.800	0.790	39.4	0.0000	0.0000	FLOOD RISK	1.003	5	-39.4	-1.259	-1.712	0.8441	
15 minute summer	5	10	9.800	0.890	46.3	0.0000	0.0000	FLOOD RISK	1.004	6	-46.3	-1.448	-1.212	0.1821	
15 minute summer	6	10	9.800	0.990	129.9	15.4182	0.0000	FLOOD RISK	1.005	7	55.6	1.195	1.148	0.7798	
15 minute summer	7	10	9.800	1.050	103.6	8.0817	0.0000	FLOOD RISK	1.006	8	98.1	1.251	1.388	2.4823	
15 minute summer	8	10	9.800	1.250	224.7	14.5758	0.0000	FLOOD RISK	1.007	9	192.3	1.537	1.778	5.9230	
15 minute summer	9	11	9.800	1.450	425.8	21.8310	0.0000	FLOOD RISK	1.008	10	379.7	1.941	1.662	3.1360	
15 minute summer	10	12	9.800	1.590	424.1	4.9510	0.0000	FLOOD RISK	1.009	11	391.3	1.892	2.445	47.8813	
15 minute summer	11	13	9.800	1.890	361.3	0.0000	0.0000	FLOOD RISK	1.010	12	255.5	1.511	0.887	53.3278	
15 minute summer	12	12	7.750	1.000	255.5	0.0000	0.0000	FLOOD RISK	1.011	13	311.8	2.955	1.588	0.3211	
15 minute summer	13	18	9.882	0.182	311.8	0.0000	0.0000	OK	1.012	13_OUT	185.4	4.595	0.160	0.3114	
15 minute summer	13_OUT	13	7.933	0.400	185.4	0.0000	0.0000	OK	Flow through pond	49	395.7	0.159	0.000	411.4972	
15 minute summer	14	11	9.800	0.500	16.2	0.0000	0.0000	FLOOD RISK	2.000	15	-16.2	-0.519	-0.539	0.8136	
15 minute summer	15	10	9.800	0.714	135.2	20.4733	0.0000	FLOOD RISK	2.001	16	57.3	1.220	1.182	0.9254	
15 minute summer	16	10	9.800	0.899	57.3	0.0000	0.0000	FLOOD RISK	2.002	17	61.4	1.256	1.247	0.6320	
15 minute summer	17	10	9.800	0.941	92.4	8.3719	0.0000	FLOOD RISK	2.003	18	83.8	1.121	1.072	1.8750	
15 minute summer	18	10	9.800	1.119	196.3	17.8252	0.0000	FLOOD RISK	2.004	19	175.2	1.400	1.392	5.4890	
15 minute summer	19	10	9.800	1.344	377.8	29.0575	0.0000	FLOOD RISK	2.005	20	354.1	1.891	1.846	4.0828	
15 minute summer	20	10	9.800	1.359	364.1	0.0000	0.0000	FLOOD RISK	2.006	21	361.2	2.307	1.825	3.4978	
15 minute summer	21	10	9.800	1.428	361.2	0.0000	0.0000	FLOOD RISK	2.007	22	284.9	2.129	0.478	3.7404	
15 minute summer	22	10	9.800	1.800	415.6	13.7470	0.0000	FLOOD RISK	2.008	23	308.1	1.565	1.063	53.3617	
15 minute summer	23	9	7.750	1.000	308.1	0.0000	0.0000	FLOOD RISK	2.009	24	422.7	2.572	2.183	0.3543	
15 minute summer	24	14	8.737	0.237	422.7	0.0000	0.0000	OK	2.010	24_OUT	364.7	6.887	0.295	0.4870	
15 minute summer	24_OUT	13	8.180	0.946	364.7	0.0000	0.0000	OK	Flow through pond	49	395.7	0.159	0.000	411.4972	
15 minute summer	25	10	8.891	0.685	11.2	0.6543	0.0000	OK	3.000	26	11.0	0.839	0.816	0.4898	
15 minute summer	26	12	8.698	0.181	22.2	1.2263	0.0000	UNCHARGED	3.001	27	18.2	0.990	1.023	0.7028	
								Infiltration			1.6				
15 minute summer	27	13	8.286	0.170	27.4	1.7238	0.0000	UNCHARGED	3.002	28	20.1	1.201	0.994	0.5744	
								Infiltration			2.1				
15 minute summer	28	13	7.899	0.294	31.3	1.6030	0.0000	UNCHARGED	3.003	29	22.7	1.342	0.964	0.6315	
								Infiltration			1.7				
15 minute summer	29	12	7.280	0.215	33.6	1.3397	0.0000	UNCHARGED	3.004	30	27.8	1.628	1.060	0.1182	
								Infiltration			1.4				
15 minute summer	30	20	6.950	0.161	28.4	0.0193	0.0000	OK	3.005	31	28.9	0.375	0.012	3.2937	
15 minute summer	31	20	6.956	0.291	30.9	0.0350	0.0000	OK	3.006	32	28.8	0.223	0.015	3.6068	
								Infiltration			1.7				

15 minute summer	32	20	6.987	0.342	28.4	0.0410	0.0000OK	3.007	33	23.9	0.187	0.018	3.0478
								Infiltration		1.4			
								Infiltration		1.5			
15 minute summer	33	20	6.980	0.211	25.5	0.0253	0.0000OK	3.008	34	24.0	0.378	0.017	2.1824
15 minute summer	34	20	6.987	0.242	25.8	0.0291	0.0000OK	3.009	35	17.4	0.370	0.007	2.1328
								Infiltration		1.2			
15 minute summer	35	19	6.988	0.313	19.4	0.0376	0.0000OK	3.010	36	10.8	0.101	0.003	4.6569
								Infiltration		1.0			
15 minute summer	36	20	6.980	0.483	12.8	0.0550	0.0000OK	3.011	37	0.0	0.008	0.000	0.0000
								Infiltration		1.8			
15 minute summer	37	18	6.540	0.035	2.1	0.0042	0.0000OK	3.012	38	2.0	0.074	0.001	2.5263
15 minute summer	38	18	6.540	0.275	14.2	0.0330	0.0000OK	3.013	39	-10.2	-0.177	-0.007	1.8441
								Infiltration		1.1			
								Infiltration		1.8			
15 minute summer	39	17	6.540	0.065	10.7	0.0102	0.0000OK	3.014	40	-8.7	-0.404	-0.008	0.4024
								Infiltration		0.3			
15 minute summer	40	11	6.731	0.038	8.9	0.0043	0.0000OK	3.015	41	-8.9	-0.354	-0.005	0.2477
								Infiltration		0.0			
15 minute summer	41	11	6.899	0.034	7.0	0.0041	0.0000OK	3.016	42	-5.0	-0.312	-0.003	0.2885
								Infiltration		0.0			
15 minute summer	42	11	7.111	0.026	5.2	0.0032	0.0000OK	3.017	43	-3.2	-0.208	-0.002	0.2022
								Infiltration		0.1			
15 minute summer	43	11	7.177	0.032	3.3	0.0038	0.0000OK	3.018	44	-1.2	-0.103	-0.001	0.1577
								Infiltration		0.0			
15 minute summer	44	11	7.240	0.015	2.1	0.0018	0.0000OK	3.019	45	0.8	0.074	0.001	0.1291
15 minute summer	45	11	7.221	0.020	2.9	0.0031	0.0000OK	3.020	46	2.7	0.191	0.001	0.1856
								Infiltration		0.1			
15 minute summer	46	11	7.153	0.028	4.7	0.0034	0.0000OK	3.021	47	4.5	0.278	0.001	0.2311
								Infiltration		0.1			
15 minute summer	47	11	6.998	0.034	6.8	0.0041	0.0000OK	3.022	48	8.4	0.215	0.002	0.4351
								Infiltration		0.0			
15 minute summer	48	12	6.871	0.076	8.4	0.0091	0.0000OK	3.023	53	5.0	0.238	0.010	0.4813
								Infiltration		0.1			
15 minute summer	49	25	7.889	-0.431	478.3	0.0090	0.0000OK	Orifice	50	0.0			
								Infiltration		0.0			
15 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
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	20	6.845	0.080	9.8	0.0072	0.0000OK	3.024	54	9.5	0.283	0.003	1.3538
								Infiltration		0.2			
15 minute summer	54	21	6.847	0.222	11.1	0.0286	0.0000OK	3.025	54_OUT	7.1	0.108	0.003	3.3366
								Infiltration		0.2			
15 minute summer	54_OUT	20	6.847	0.342	8.7	0.0410	0.0000OK	Infiltration		0.3			

15 minute summer	55	12	8.588	0.140	6.0	0.0478	0.0000OK	5.000	56	5.0	0.461	0.781	0.2907
15 minute summer	56	13	8.581	0.185	11.8	0.7232	0.0000SURCHARGED	5.001	57	9.1	0.821	0.728	0.3708
								Infiltration		0.2			
15 minute summer	57	13	8.540	0.230	15.1	1.1278	0.0000SURCHARGED	5.002	58	9.9	0.588	1.236	0.5462
								Infiltration		0.3			
15 minute summer	58	14	8.440	0.195	15.4	1.4037	0.0000SURCHARGED	5.003	59	12.3	0.704	1.852	0.3908
								Infiltration		0.5			
15 minute summer	59	22	8.391	0.188	17.4	1.0458	0.0000OK	5.004	60	12.5	0.199	0.018	4.7293
								Infiltration		0.3			
15 minute summer	60	22	8.391	0.200	18.3	0.6702	0.0000OK	5.005	61	4.7	0.687	0.005	7.7023
								Infiltration		0.4			
15 minute summer	61	22	8.392	0.258	9.5	0.0859	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.6			
15 minute summer	62	12	8.176	0.040	6.0	0.0134	0.0000OK	5.007	63	5.1	0.188	0.003	3.7201
15 minute summer	63	20	7.998	0.152	13.2	0.9551	0.0000OK	5.008	63_OUT	-3.8	-0.678	-0.002	3.4313
								Infiltration		0.3			
15 minute summer	63_OUT	22	7.999	0.234	8.7	0.0794	0.0000OK	Infiltration		0.3			
15 minute summer	64	19	6.312	0.127	2.8	0.0294	0.0000OK	6.000	65	2.5	0.114	0.001	1.0817
15 minute summer	65	20	6.311	0.188	5.8	0.0298	0.0000OK	6.001	66	-2.0	0.075	-0.001	1.7895
								Infiltration		0.1			
15 minute summer	66	19	6.311	0.218	4.4	0.0344	0.0000OK	6.002	67	-1.8	0.034	-0.001	1.0458
								Infiltration		0.1			
15 minute summer	67	19	6.311	0.235	2.8	0.0365	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
15 minute summer	68	11	6.097	0.021	2.8	0.0032	0.0000OK	6.004	69	2.7	0.087	0.001	2.2458
15 minute summer	69	20	5.950	0.218	5.4	0.0349	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.2			
15 minute summer	70	20	5.834	0.079	2.8	0.0126	0.0000OK	6.006	71	2.8	0.113	0.001	0.5533
15 minute summer	71	19	5.834	0.149	5.8	0.0238	0.0000OK	6.007	72	0.9	0.028	0.001	2.3895
								Infiltration		0.1			
15 minute summer	72	18	5.834	0.149	3.7	0.0239	0.0000OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
15 minute summer	73	18	5.822	0.217	2.8	0.0347	0.0000OK	6.009	74	1.6	0.053	0.001	0.9293
15 minute summer	74	18	5.822	0.217	4.4	0.0347	0.0000OK	6.010	75	1.6	0.116	0.001	1.0531
								Infiltration		0.1			
15 minute summer	75	20	5.922	0.217	4.3	0.0347	0.0000OK	6.011	76	2.4	0.089	0.001	1.2335
								Infiltration		0.1			
15 minute summer	76	19	5.822	0.287	3.8	0.0438	0.0000OK	6.012	76_OUT	-1.2	0.012	-0.001	1.3724
								Infiltration		0.1			
15 minute summer	76_OUT	19	5.823	0.288	2.8	0.0480	0.0000OK	Infiltration		0.1			

Results for 30 year 15 minute winter, 255 minute analysis at 1 minute timestep, Mass balance: 93.86%

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	11	9.890	0.500	19.3	0.0000	0.0000	FLOOD RISK	1.000	2	-19.3	-0.724	-0.882	0.4653	
15 minute winter	2	11	9.800	0.550	25.8	0.0000	0.0000	FLOOD RISK	1.001	3	-25.8	-0.658	-1.348	1.1264	
15 minute winter	3	11	9.800	0.650	34.6	0.0000	0.0000	FLOOD RISK	1.002	4	-34.6	-1.066	-1.607	0.4989	
15 minute winter	4	10	9.600	0.700	40.1	0.0000	0.0000	FLOOD RISK	1.003	5	-40.1	-1.281	-1.742	0.8441	
15 minute winter	5	10	9.600	0.800	47.1	0.0000	0.0000	FLOOD RISK	1.004	6	-47.1	-1.505	-1.258	0.1621	
15 minute winter	6	10	9.600	0.900	136.6	20.0150	0.0000	FLOOD RISK	1.005	7	58.2	1.191	1.202	0.7796	
15 minute winter	7	10	9.600	1.050	167.9	10.2977	0.0000	FLOOD RISK	1.006	8	94.0	1.207	1.338	2.4923	
15 minute winter	8	10	9.600	1.250	234.7	18.2932	0.0000	FLOOD RISK	1.007	9	200.0	1.598	1.849	5.9230	
15 minute winter	9	11	9.600	1.450	445.5	26.9563	0.0000	FLOOD RISK	1.008	10	393.9	2.014	1.862	3.1360	
15 minute winter	10	11	9.600	1.500	440.0	4.9403	0.0000	FLOOD RISK	1.009	11	354.0	1.965	2.598	47.8613	
15 minute winter	11	13	9.600	1.600	384.0	0.0000	0.0000	FLOOD RISK	1.010	12	259.9	1.553	0.902	50.3276	
15 minute winter	12	12	7.750	1.000	259.9	0.0000	0.0000	FLOOD RISK	1.011	13	379.7	2.462	1.934	0.3228	
15 minute winter	13	15	8.684	0.184	379.7	0.0000	0.0000	OK	1.012	13_OUT	280.7	5.870	0.227	0.3216	
15 minute winter	13_OUT	10	8.023	0.490	280.7	0.0000	0.0000	OK	Flow through pond	49	421.8	0.146	0.000	497.9233	
15 minute winter	14	10	9.600	0.500	17.0	0.0000	0.0000	FLOOD RISK	2.000	15	-17.0	-0.542	-0.563	0.8138	
15 minute winter	15	10	9.600	0.714	163.7	23.6840	0.0000	FLOOD RISK	2.001	16	62.9	1.286	1.297	0.9254	
15 minute winter	16	10	9.600	0.808	75.2	0.0000	0.0000	FLOOD RISK	2.002	17	-75.2	-1.539	-1.527	0.6320	
15 minute winter	17	10	9.600	0.941	112.6	9.4720	0.0000	FLOOD RISK	2.003	18	92.4	1.166	1.161	1.8750	
15 minute winter	18	10	9.600	1.119	198.7	19.8930	0.0000	FLOOD RISK	2.004	19	155.5	1.242	1.235	5.4890	
15 minute winter	19	10	9.600	1.344	332.8	29.2327	0.0000	FLOOD RISK	2.005	20	310.9	1.897	1.577	4.0628	
15 minute winter	20	10	9.600	1.389	310.9	0.0000	0.0000	FLOOD RISK	2.006	21	392.0	2.188	1.525	3.4979	
15 minute winter	21	10	9.600	1.428	362.0	0.0000	0.0000	FLOOD RISK	2.007	22	288.7	2.062	0.485	3.7404	
15 minute winter	22	10	9.600	1.800	491.1	15.1281	0.0000	FLOOD RISK	2.008	23	335.3	1.715	1.164	53.3017	
15 minute winter	23	9	7.750	1.000	335.3	0.0000	0.0000	FLOOD RISK	2.009	24	496.7	3.384	2.530	0.3674	
15 minute winter	24	13	9.757	0.257	496.7	0.0000	0.0000	OK	2.010	24_OUT	399.3	7.084	0.323	0.4831	
15 minute winter	24_OUT	15	8.265	0.732	399.3	0.0000	0.0000	OK	Flow through pond	49	421.8	0.146	0.000	497.9233	
15 minute winter	25	16	8.854	0.988	11.8	0.0580	0.0000	OK	3.000	26	11.6	0.830	0.847	0.4956	
15 minute winter	26	12	8.611	0.170	23.4	1.4708	0.0000	SURCHARGED	3.001	27	16.0	0.968	1.047	0.7026	
								Infiltration			1.7				
15 minute winter	27	14	8.297	0.182	26.4	1.9846	0.0000	SURCHARGED	3.002	28	20.4	1.199	1.011	0.5744	
								Infiltration			2.2				
15 minute winter	28	13	7.913	0.218	32.2	1.8369	0.0000	SURCHARGED	3.003	29	22.8	1.354	0.968	0.6315	
								Infiltration			1.8				
15 minute winter	29	12	7.289	0.224	33.8	1.4598	0.0000	SURCHARGED	3.004	30	28.4	1.626	1.020	0.1183	
								Infiltration			1.5				
15 minute winter	30	21	7.012	0.187	30.1	0.0224	0.0000	OK	3.005	31	29.8	0.380	0.012	3.7953	
15 minute winter	31	21	7.013	0.318	31.7	0.0381	0.0000	OK	3.006	32	27.8	0.238	0.016	4.0296	
								Infiltration			1.8				

15 minute winter	32	21	7.013	0.368	29.6	0.0441	0.0000OK	3.007	33	24.9	0.187	0.017	3.4493
								Infiltration		1.5			
								Infiltration		1.6			
15 minute winter	33	20	7.013	0.238	28.8	0.0286	0.0000OK	3.008	34	24.2	0.378	0.017	2.5208
15 minute winter	34	21	7.013	0.268	25.8	0.0322	0.0000OK	3.009	35	20.2	0.395	0.008	2.4227
								Infiltration		1.2			
15 minute winter	35	20	7.016	0.341	22.3	0.0409	0.0000OK	3.010	36	14.1	0.090	0.004	5.1180
								Infiltration		1.0			
15 minute winter	36	21	7.013	0.508	18.2	0.0580	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.7			
15 minute winter	37	17	6.583	0.858	2.6	0.0070	0.0000OK	3.012	38	2.1	0.078	0.001	2.9385
15 minute winter	38	18	6.581	0.296	15.2	0.0355	0.0000OK	3.013	39	-11.0	-0.170	-0.007	2.1128
								Infiltration		1.2			
								Infiltration		1.7			
15 minute winter	39	16	6.563	0.108	11.4	0.0129	0.0000OK	3.014	40	-9.3	-0.413	-0.005	0.5079
								Infiltration		0.4			
15 minute winter	40	11	6.733	0.830	9.4	0.0045	0.0000OK	3.015	41	-7.3	-0.371	-0.005	0.2579
								Infiltration		0.0			
15 minute winter	41	11	6.901	0.038	7.4	0.0040	0.0000OK	3.016	42	-5.3	-0.318	-0.004	0.2168
								Infiltration		0.0			
15 minute winter	42	11	7.112	0.027	5.4	0.0033	0.0000OK	3.017	43	-3.3	-0.210	-0.002	0.2094
								Infiltration		0.1			
15 minute winter	43	11	7.178	0.033	3.6	0.0039	0.0000OK	3.018	44	-1.3	-0.105	-0.001	0.1629
								Infiltration		0.0			
15 minute winter	44	11	7.241	0.018	2.2	0.0019	0.0000OK	3.019	45	0.8	0.075	0.001	0.1334
15 minute winter	45	11	7.222	0.027	3.0	0.0032	0.0000OK	3.020	46	2.9	0.195	0.001	0.1922
								Infiltration		0.1			
15 minute winter	46	11	7.154	0.029	5.0	0.0035	0.0000OK	3.021	47	4.8	0.255	0.002	0.2399
								Infiltration		0.1			
15 minute winter	47	11	7.000	0.035	7.0	0.0042	0.0000OK	3.022	48	6.8	0.218	0.002	0.4508
								Infiltration		0.0			
15 minute winter	48	12	6.873	0.978	8.9	0.0093	0.0000OK	3.023	50	8.5	0.246	0.011	0.8232
								Infiltration		0.1			
15 minute winter	49	30	7.578	-0.422	546.0	0.0000	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	21	6.869	0.084	10.4	0.0101	0.0000OK	3.024	54	10.2	0.289	0.003	1.5116
								Infiltration		0.2			
15 minute winter	54	18	6.869	0.244	11.9	0.0293	0.0000OK	3.025	54_OUT	5.1	0.094	0.002	3.8954
								Infiltration		0.2			
15 minute winter	54_OUT	21	6.870	0.365	6.4	0.0438	0.0000OK	Infiltration		0.3			

15 minute winter	55	13	8.816	0.170	6.3	0.0577	0.0000SURCHARGED	5.000	56	5.8	0.458	0.735	0.2949
15 minute winter	56	13	8.809	0.193	12.2	0.8708	0.0000SURCHARGED	5.001	57	9.3	0.613	0.738	0.3709
										Infiltration	0.3		
15 minute winter	57	13	8.559	0.259	15.2	1.2784	0.0000SURCHARGED	5.002	58	10.2	0.577	1.268	0.5462
										Infiltration	0.3		
15 minute winter	58	15	8.483	0.218	15.7	1.6375	0.0000SURCHARGED	5.003	59	12.4	0.704	1.868	0.8906
										Infiltration	0.5		
15 minute winter	59	23	8.410	0.205	18.6	1.1837	0.0000OK	5.004	60	13.6	0.262	0.919	5.3382
										Infiltration	0.3		
15 minute winter	60	23	8.411	0.228	19.5	0.0767	0.0000OK	5.005	61	4.7	0.081	0.005	8.5005
										Infiltration	0.4		
15 minute winter	61	23	8.411	0.276	9.7	0.0835	0.0000OK	5.006	62	0.0	0.000	0.003	0.0000
										Infiltration	0.6		
15 minute winter	62	11	8.177	0.041	8.3	0.0139	0.0000OK	5.007	63	5.5	0.171	0.003	4.2549
15 minute winter	63	22	8.016	0.180	12.8	0.0812	0.0000OK	5.008	63_OUT	-3.0	0.058	-0.002	3.8416
										Infiltration	0.4		
15 minute winter	63_OUT	20	8.017	0.252	5.3	0.0558	0.0000OK	Infiltration		0.3			
15 minute winter	64	21	6.331	0.148	2.9	0.0233	0.0000OK	8.000	65	2.0	0.116	0.001	1.2438
15 minute winter	65	19	6.331	0.208	5.2	0.0329	0.0000OK	8.001	66	1.6	0.084	0.001	1.9335
										Infiltration	0.1		
15 minute winter	66	19	6.331	0.238	4.7	0.0377	0.0000OK	8.002	67	-1.6	0.038	-0.001	1.1701
										Infiltration	0.2		
15 minute winter	67	19	6.331	0.255	2.9	0.0380	0.0000OK	8.003	68	0.0	0.000	0.000	0.0000
										Infiltration	0.1		
15 minute winter	68	11	8.097	0.021	2.9	0.0333	0.0000OK	8.004	69	2.8	0.086	0.001	2.5454
15 minute winter	69	20	8.050	0.240	5.8	0.0384	0.0000OK	8.005	70	0.0	0.000	0.003	0.0000
										Infiltration	0.2		
15 minute winter	70	18	5.849	0.094	2.9	0.0150	0.0000OK	8.006	71	2.6	0.109	0.001	0.7543
15 minute winter	71	18	5.848	0.163	5.4	0.0261	0.0000OK	8.007	72	1.6	0.031	0.001	2.8656
										Infiltration	0.1		
15 minute winter	72	19	5.849	0.164	3.8	0.0292	0.0000OK	8.008	73	0.0	0.000	0.003	0.0000
										Infiltration	0.3		
15 minute winter	73	18	5.946	0.241	2.9	0.0385	0.0000OK	8.009	74	1.7	0.061	0.001	1.0870
15 minute winter	74	20	5.946	0.241	4.6	0.0365	0.0000OK	8.010	75	2.3	0.132	0.002	1.2093
										Infiltration	0.1		
15 minute winter	75	20	5.946	0.241	4.3	0.0385	0.0000OK	8.011	76	2.6	0.094	0.001	1.3931
										Infiltration	0.1		
15 minute winter	76	19	5.946	0.311	4.2	0.0473	0.0000OK	8.012	76_OUT	-1.4	0.012	-0.001	1.5332
										Infiltration	0.1		
15 minute winter	76_OUT	19	5.947	0.312	2.9	0.0499	0.0000OK	Infiltration		0.1			

Results for 30 year 30 minute summer, 370 minute analysis at 1 minute timestep, Mass balance: 81.96%

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	18	9.800	0.530	9.0	0.0000	0.0000	FLOOD RISK	1.000	2	-9.0	-0.307	-0.439	0.4853	
30 minute summer	2	19	9.800	0.550	21.3	0.0000	0.0000	FLOOD RISK	1.001	3	-21.3	-0.808	-1.073	1.1264	
30 minute summer	3	18	9.800	0.650	30.4	0.0000	0.0000	FLOOD RISK	1.002	4	-30.4	-0.971	-1.436	0.4866	
30 minute summer	4	18	9.800	0.760	37.0	0.0000	0.0000	FLOOD RISK	1.003	5	-37.0	-1.182	-1.866	0.8441	
30 minute summer	5	17	9.800	0.890	42.5	0.0000	0.0000	FLOOD RISK	1.004	6	-42.5	-1.358	-1.137	0.1821	
30 minute summer	6	17	9.800	0.990	127.1	21.0345	0.0000	FLOOD RISK	1.005	7	55.7	1.178	1.150	0.7798	
30 minute summer	7	17	9.800	1.050	100.0	10.8245	0.0000	FLOOD RISK	1.006	8	78.9	1.112	1.124	2.4823	
30 minute summer	8	18	9.800	1.250	215.2	19.1099	0.0000	FLOOD RISK	1.007	9	181.1	1.447	1.674	5.9230	
30 minute summer	9	18	9.800	1.450	406.8	27.8937	0.0000	FLOOD RISK	1.008	10	362.2	1.852	1.528	3.1360	
30 minute summer	10	19	9.800	1.590	404.8	5.1021	0.0000	FLOOD RISK	1.009	11	323.0	1.710	2.189	47.8813	
30 minute summer	11	19	9.800	1.890	323.0	0.0000	0.0000	FLOOD RISK	1.010	12	226.8	1.204	0.788	53.3278	
30 minute summer	12	17	7.750	1.000	228.0	0.0000	0.0000	FLOOD RISK	1.011	13	383.1	2.538	1.951	0.3328	
30 minute summer	13	24	9.702	0.202	383.1	0.0000	0.0000	OK	1.012	13_OUT	298.9	0.095	0.242	0.3797	
30 minute summer	13_OUT	22	8.654	0.521	298.9	0.0000	0.0000	OK	Flow through pond	49	382.1	0.121	0.000	819.5430	
30 minute summer	14	17	9.800	0.500	14.9	0.0000	0.0000	FLOOD RISK	2.000	15	-14.9	-0.477	-0.495	0.8136	
30 minute summer	15	17	9.800	0.714	156.8	22.5888	0.0000	FLOOD RISK	2.001	16	-88.0	-1.350	-1.361	0.9254	
30 minute summer	16	17	9.800	0.899	81.4	0.0000	0.0000	FLOOD RISK	2.002	17	-81.4	-1.664	-1.652	0.6320	
30 minute summer	17	17	9.800	0.941	114.7	9.1041	0.0000	FLOOD RISK	2.003	18	87.8	1.136	1.124	1.8750	
30 minute summer	18	17	9.800	1.119	176.1	19.0878	0.0000	FLOOD RISK	2.004	19	145.1	1.221	1.150	5.4890	
30 minute summer	19	17	9.800	1.344	279.2	27.9820	0.0000	FLOOD RISK	2.005	20	251.2	1.512	1.274	4.0828	
30 minute summer	20	17	9.800	1.359	251.2	0.0000	0.0000	FLOOD RISK	2.006	21	252.4	1.822	1.278	3.4978	
30 minute summer	21	17	9.800	1.428	252.4	0.0000	0.0000	FLOOD RISK	2.007	22	254.3	1.890	0.427	3.7404	
30 minute summer	22	17	9.800	1.800	330.0	14.5586	0.0000	FLOOD RISK	2.008	23	328.4	1.678	1.140	53.3617	
30 minute summer	23	14	7.750	1.000	328.4	0.0000	0.0000	FLOOD RISK	2.009	24	459.7	2.752	2.341	0.3815	
30 minute summer	24	19	8.748	0.248	459.7	0.0000	0.0000	OK	2.010	24_OUT	400.8	7.018	0.324	0.4591	
30 minute summer	24_OUT	21	8.276	0.743	400.8	0.0000	0.0000	OK	Flow through pond	49	382.1	0.121	0.000	819.5430	
30 minute summer	25	18	8.877	0.681	10.2	0.0517	0.0000	OK	3.000	26	19.2	0.797	0.568	0.4868	
30 minute summer	26	20	8.678	0.143	29.4	0.9770	0.0000	OK	3.001	27	18.3	0.966	1.028	0.9872	
											1.4				
30 minute summer	27	21	8.283	0.188	26.5	1.0825	0.0000	UNCHARGED	3.002	28	20.3	1.204	1.066	0.5744	
											2.1				
30 minute summer	28	21	7.898	0.293	30.6	1.5851	0.0000	UNCHARGED	3.003	29	23.8	1.361	1.008	0.6315	
											1.7				
30 minute summer	29	20	7.277	0.212	34.9	1.3130	0.0000	UNCHARGED	3.004	30	27.7	1.608	0.980	0.1182	
											1.4				
30 minute summer	30	29	7.632	0.297	29.1	0.0249	0.0000	OK	3.005	31	28.4	0.295	0.012	4.2933	
30 minute summer	31	29	7.633	0.338	30.3	0.0405	0.0000	OK	3.006	32	28.1	0.188	0.015	4.3888	
											1.9				

30 minute summer	32	29	7.033	0.358	28.0	0.0498	0.0000OK	3.007	33	23.1	0.164	0.015	3.7918
								Infiltration		1.5			
								Infiltration		1.8			
30 minute summer	33	29	7.033	0.258	25.0	0.0310	0.0000OK	3.008	34	22.7	0.352	0.016	2.7936
30 minute summer	34	30	7.033	0.258	24.8	0.0345	0.0000OK	3.009	35	18.0	0.371	0.007	2.6303
								Infiltration		1.3			
30 minute summer	35	29	7.033	0.358	18.5	0.0430	0.0000OK	3.010	36	6.5	0.088	0.002	5.4454
								Infiltration		1.1			
30 minute summer	36	30	7.033	0.528	7.5	0.0602	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.7			
30 minute summer	37	27	6.564	0.059	2.9	0.0071	0.0000OK	3.012	38	1.9	0.001	0.001	2.9935
30 minute summer	38	27	6.565	0.300	13.0	0.0350	0.0000OK	3.013	39	-9.2	-0.118	-0.008	2.1504
								Infiltration		1.2			
								Infiltration		1.7			
30 minute summer	39	25	6.596	0.111	9.8	0.0133	0.0000OK	3.014	40	-5.1	-0.390	-0.005	6.5313
								Infiltration		0.4			
30 minute summer	40	19	6.730	0.035	8.1	0.0042	0.0000OK	3.015	41	-8.4	-0.352	-0.004	0.2381
								Infiltration		0.0			
30 minute summer	41	19	6.898	0.033	6.5	0.0039	0.0000OK	3.016	42	-4.8	-0.301	-0.003	0.1976
								Infiltration		0.0			
30 minute summer	42	19	7.110	0.025	4.8	0.0030	0.0000OK	3.017	43	-2.9	-0.198	-0.002	6.1907
								Infiltration		0.1			
30 minute summer	43	18	7.175	0.030	3.0	0.0036	0.0000OK	3.018	44	-1.1	-0.098	-0.001	0.1490
								Infiltration		0.0			
30 minute summer	44	18	7.240	0.015	1.3	0.0018	0.0000OK	3.019	45	0.7	0.072	0.000	0.1222
30 minute summer	45	18	7.218	0.024	2.8	0.0029	0.0000OK	3.020	46	2.5	0.185	0.001	0.1748
								Infiltration		0.1			
30 minute summer	46	19	7.152	0.027	4.4	0.0032	0.0000OK	3.021	47	4.2	0.270	0.001	0.2189
								Infiltration		0.0			
30 minute summer	47	19	6.997	0.032	6.1	0.0039	0.0000OK	3.022	48	5.9	0.205	0.002	0.4206
								Infiltration		0.0			
30 minute summer	48	33	6.855	0.090	7.7	0.0108	0.0000OK	3.023	53	7.5	0.233	0.009	6.7768
								Infiltration		0.1			
30 minute summer	49	50	7.591	-0.409	500.7	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	34	6.885	0.100	9.2	0.0120	0.0000OK	3.024	54	8.9	0.298	0.003	1.8574
								Infiltration		0.2			
30 minute summer	54	32	6.855	0.250	10.8	0.0313	0.0000OK	3.025	54_OUT	5.3	0.082	0.002	3.9786
								Infiltration		0.2			
30 minute summer	54_OUT	34	6.888	0.381	6.7	0.0457	0.0000OK	Infiltration		0.4			

30 minute summer	55	20	8.582	0.136	5.4	0.0492	0.0000OK	5.000	56	5.2	0.442	0.700	0.2883
30 minute summer	56	21	8.578	0.180	10.6	0.7092	0.0000SURCHARGED	5.001	57	9.2	0.584	0.734	0.3708
								Infiltration		0.2			
30 minute summer	57	21	8.540	0.230	14.8	1.1327	0.0000SURCHARGED	5.002	58	9.4	0.535	1.175	0.5462
								Infiltration		0.3			
30 minute summer	58	23	8.481	0.216	14.0	1.8153	0.0000SURCHARGED	5.003	59	11.2	0.648	1.513	0.3908
								Infiltration		0.5			
30 minute summer	59	32	8.436	0.231	16.5	1.3637	0.0000OK	5.004	60	11.1	0.152	0.016	8.1331
								Infiltration		0.4			
30 minute summer	60	33	8.436	0.251	16.5	0.6853	0.0000OK	5.005	61	3.7	0.678	0.004	9.7361
								Infiltration		0.5			
30 minute summer	61	33	8.438	0.300	9.1	0.1020	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.7			
30 minute summer	62	19	8.174	0.038	5.4	0.0131	0.0000OK	5.007	63	4.9	0.119	0.002	4.6988
30 minute summer	63	34	8.041	0.205	11.1	0.0897	0.0000OK	5.008	63_OUT	-1.0	0.644	-0.001	4.4325
								Infiltration		0.4			
30 minute summer	63_OUT	34	8.041	0.278	5.4	0.0940	0.0000OK	Infiltration		0.3			
30 minute summer	64	35	8.358	0.173	2.6	0.0277	0.0000OK	6.000	65	1.6	0.075	0.001	1.4868
30 minute summer	65	34	8.358	0.233	4.8	0.0372	0.0000OK	6.001	66	-1.4	0.087	-0.001	2.2448
								Infiltration		0.1			
30 minute summer	66	33	8.358	0.265	4.0	0.0419	0.0000OK	6.002	67	-1.4	0.630	-0.001	1.3429
								Infiltration		0.2			
30 minute summer	67	33	8.358	0.282	2.6	0.0437	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
30 minute summer	68	18	8.090	0.020	2.8	0.0031	0.0000OK	6.004	69	2.5	0.082	0.001	2.9798
30 minute summer	69	34	8.036	0.271	5.1	0.0433	0.0000OK	6.005	70	0.0	0.600	0.000	0.0000
								Infiltration		0.3			
30 minute summer	70	34	5.867	0.112	2.6	0.0179	0.0000OK	6.006	71	2.2	0.064	0.001	0.6562
30 minute summer	71	34	5.867	0.182	4.8	0.0291	0.0000OK	6.007	72	0.8	0.019	0.001	3.0566
								Infiltration		0.1			
30 minute summer	72	33	5.896	0.153	3.4	0.0292	0.0000OK	6.008	73	0.0	0.600	0.000	0.0000
								Infiltration		0.3			
30 minute summer	73	34	5.881	0.278	2.6	0.0441	0.0000OK	6.009	74	1.2	0.937	0.001	1.2793
30 minute summer	74	34	5.881	0.278	3.8	0.0441	0.0000OK	6.010	75	0.8	0.083	0.001	1.4485
								Infiltration		0.1			
30 minute summer	75	34	5.981	0.276	3.4	0.0441	0.0000OK	6.011	76	1.2	0.659	0.000	1.6377
								Infiltration		0.1			
30 minute summer	76	34	5.881	0.346	3.4	0.0525	0.0000OK	6.012	76_OUT	-0.7	-0.910	0.000	1.7728
								Infiltration		0.1			
30 minute summer	76_OUT	34	5.981	0.346	2.8	0.0553	0.0000OK	Infiltration		0.1			

Results for 30 year 30 minute winter, 270 minute analysis at 1 minute timestep, Mass balance: 83.64%

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)
30 minute winter	1	18	9.800	0.500	9.1	0.0000	0.0000	FLOOD RISK	1.000	2	-9.1	-0.290	-0.415	0.4653	
30 minute winter	2	18	9.800	0.550	20.3	0.0000	0.0000	FLOOD RISK	1.001	3	-20.3	-0.710	-1.020	1.1264	
30 minute winter	3	18	9.800	0.650	27.2	0.0000	0.0000	FLOOD RISK	1.002	4	-27.2	-0.869	-1.260	0.4989	
30 minute winter	4	18	9.800	0.700	35.4	0.0000	0.0000	FLOOD RISK	1.003	5	-35.4	-1.131	-1.537	0.8441	
30 minute winter	5	17	9.800	0.800	43.5	0.0000	0.0000	FLOOD RISK	1.004	6	-43.5	-1.391	-1.164	0.1621	
30 minute winter	6	17	9.800	0.900	149.7	25.4537	0.0000	FLOOD RISK	1.005	7	83.6	1.301	1.313	0.7796	
30 minute winter	7	17	9.800	1.050	98.6	12.9418	0.0000	FLOOD RISK	1.006	8	89.6	1.151	1.277	2.4923	
30 minute winter	8	17	9.800	1.250	200.1	22.4373	0.0000	FLOOD RISK	1.007	9	188.7	1.348	1.559	5.9230	
30 minute winter	9	18	9.800	1.450	372.9	32.2746	0.0000	FLOOD RISK	1.008	10	334.9	1.712	1.413	3.1360	
30 minute winter	10	18	9.800	1.500	373.4	5.8849	0.0000	FLOOD RISK	1.009	11	304.4	1.616	2.090	47.8613	
30 minute winter	11	18	9.800	1.600	364.4	0.0000	0.0000	FLOOD RISK	1.010	12	257.7	1.317	0.895	50.3276	
30 minute winter	12	18	7.750	1.000	257.7	0.0000	0.0000	FLOOD RISK	1.011	13	405.6	2.768	2.668	0.3523	
30 minute winter	13	22	8.733	0.233	405.6	0.0000	0.0000	OK	1.012	13_OUT	300.6	8.611	0.243	0.4299	
30 minute winter	13_OUT	26	8.110	0.578	300.6	0.0000	0.0000	OK	Flow through pond	49	526.1	0.129	0.000	736.9668	
30 minute winter	14	17	9.800	0.500	28.1	0.0000	0.0000	FLOOD RISK	2.000	15	-28.1	-0.835	-0.865	0.8138	
30 minute winter	15	17	9.800	0.714	145.7	24.3434	0.0000	FLOOD RISK	2.001	16	-68.1	-1.392	-1.404	0.9254	
30 minute winter	16	18	9.800	0.808	80.2	0.0000	0.0000	FLOOD RISK	2.002	17	-80.2	-1.638	-1.627	0.6320	
30 minute winter	17	18	9.800	0.941	105.6	9.6715	0.0000	FLOOD RISK	2.003	18	90.7	1.165	1.161	1.8750	
30 minute winter	18	18	9.800	1.119	155.9	20.2948	0.0000	FLOOD RISK	2.004	19	151.1	1.241	1.200	5.4890	
30 minute winter	19	16	9.800	1.344	278.7	29.5892	0.0000	FLOOD RISK	2.005	20	262.9	1.470	1.333	4.0628	
30 minute winter	20	16	9.800	1.389	262.9	0.0000	0.0000	FLOOD RISK	2.006	21	254.3	2.039	1.335	3.4979	
30 minute winter	21	18	9.800	1.428	284.3	0.0000	0.0000	FLOOD RISK	2.007	22	285.8	1.947	0.448	3.7404	
30 minute winter	22	18	9.800	1.800	341.2	15.2787	0.0000	FLOOD RISK	2.008	23	341.4	1.745	1.185	53.3017	
30 minute winter	23	13	7.750	1.000	341.4	0.0000	0.0000	FLOOD RISK	2.009	24	552.8	3.511	2.815	0.3689	
30 minute winter	24	21	9.757	0.257	552.8	0.0000	0.0000	OK	2.010	24_OUT	424.3	7.347	0.343	0.5197	
30 minute winter	24_OUT	26	8.262	0.748	424.3	0.0000	0.0000	OK	Flow through pond	49	526.1	0.129	0.000	736.9668	
30 minute winter	25	18	8.872	0.878	9.3	0.0489	0.0000	OK	3.000	26	9.3	0.759	0.518	0.4420	
30 minute winter	26	18	8.585	0.130	18.0	0.8134	0.0000	OK	3.001	27	16.2	0.977	1.022	0.6754	
								Infiltration			1.3				
30 minute winter	27	22	8.288	0.173	25.2	1.7895	0.0000	UNDEVELOPED	3.002	28	19.9	1.292	0.986	0.5744	
								Infiltration			2.1				
30 minute winter	28	22	7.952	0.207	29.2	1.6819	0.0000	UNDEVELOPED	3.003	29	23.5	1.374	0.997	0.8315	
								Infiltration			1.7				
30 minute winter	29	20	7.277	0.212	32.2	1.3661	0.0000	UNDEVELOPED	3.004	30	27.7	1.668	0.995	0.1194	
								Infiltration			1.4				
30 minute winter	30	30	7.057	0.242	28.2	0.0291	0.0000	OK	3.005	31	28.9	0.291	0.912	4.9250	
30 minute winter	31	30	7.058	0.371	29.7	0.0446	0.0000	OK	3.006	32	28.3	0.194	0.914	4.9526	
								Infiltration			2.1				

30 minute winter	32	33	7.056	0.421	27.0	0.0505	0.0000OK	3.007	33	22.2	0.180	0.015	4.3090
								Infiltration		1.6			
								Infiltration		1.7			
30 minute winter	33	31	7.056	0.281	23.6	0.0349	0.0000OK	3.008	34	21.9	0.356	0.015	3.2855
30 minute winter	34	31	7.056	0.321	23.6	0.0385	0.0000OK	3.009	35	18.5	0.378	0.007	3.0224
								Infiltration		1.4			
30 minute winter	35	31	7.067	0.392	18.2	0.0471	0.0000OK	3.010	36	9.9	0.059	0.003	6.6653
								Infiltration		1.1			
30 minute winter	36	31	7.057	0.582	11.5	0.0840	0.0000OK	3.011	37	0.6	0.000	0.000	0.0000
								Infiltration		1.8			
30 minute winter	37	28	6.583	0.078	2.4	0.0034	0.0000OK	3.012	38	2.0	0.007	0.001	3.3492
30 minute winter	38	27	6.583	0.318	11.4	0.0382	0.0000OK	3.013	39	-8.1	-0.115	-0.005	2.3958
								Infiltration		1.2			
								Infiltration		1.8			
30 minute winter	39	28	6.553	0.128	9.0	0.0154	0.0000OK	3.014	40	-7.4	-0.371	-0.005	0.6149
								Infiltration		0.4			
30 minute winter	40	19	6.728	0.833	7.6	0.0040	0.0000OK	3.015	41	-5.8	-0.341	-0.004	0.2238
								Infiltration		0.0			
30 minute winter	41	19	6.696	0.031	5.9	0.0037	0.0000OK	3.016	42	-4.2	-0.292	-0.003	0.1872
								Infiltration		0.0			
30 minute winter	42	19	7.199	0.024	4.3	0.0026	0.0000OK	3.017	43	-2.6	-0.192	-0.002	0.1895
								Infiltration		0.0			
30 minute winter	43	18	7.173	0.028	2.7	0.0034	0.0000OK	3.018	44	-1.0	-0.094	-0.001	0.1406
								Infiltration		0.0			
30 minute winter	44	18	7.239	0.014	1.7	0.0016	0.0000OK	3.019	45	0.7	0.089	0.000	0.1150
30 minute winter	45	18	7.218	0.023	2.4	0.0026	0.0000OK	3.020	46	2.3	0.178	0.001	0.1653
								Infiltration		0.1			
30 minute winter	46	19	7.150	0.026	4.0	0.0030	0.0000OK	3.021	47	3.8	0.261	0.001	0.2073
								Infiltration		0.0			
30 minute winter	47	19	6.996	0.031	5.5	0.0037	0.0000OK	3.022	48	5.5	0.197	0.002	0.5135
								Infiltration		0.0			
30 minute winter	48	33	6.905	0.110	7.1	0.0132	0.0000OK	3.023	50	7.1	0.225	0.009	0.9747
								Infiltration		0.1			
30 minute winter	49	41	7.608	-0.394	586.0	0.0500	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	34	6.909	0.121	8.6	0.0145	0.0000OK	3.024	54	8.3	0.237	0.003	2.5588
								Infiltration		0.2			
30 minute winter	54	32	6.900	0.281	9.9	0.0337	0.0000OK	3.025	54_OUT	4.4	0.085	0.002	4.3250
								Infiltration		0.2			
30 minute winter	54_OUT	34	6.936	0.401	6.0	0.0481	0.0000OK	Infiltration		0.4			

30 minute winter	55	21	8.590	0.144	4.9	0.0488	0.0000OK	5.000	56	4.8	0.427	0.847	0.2927
30 minute winter	56	22	8.583	0.187	9.7	0.7361	0.0000SURCHARGED	5.001	57	8.0	0.554	0.538	0.3789
										Infiltration	0.2		
30 minute winter	57	22	8.558	0.248	12.7	1.1957	0.0000SURCHARGED	5.002	58	9.1	0.515	1.131	0.5462
										Infiltration	0.3		
30 minute winter	58	24	8.482	0.237	14.0	1.8193	0.0000SURCHARGED	5.003	59	10.8	0.538	1.472	0.8986
										Infiltration	0.5		
30 minute winter	59	34	8.480	0.255	15.8	1.5352	0.0000OK	5.004	60	10.4	0.165	0.915	7.0368
										Infiltration	0.4		
30 minute winter	60	34	8.450	0.275	15.3	0.0937	0.0000OK	5.005	61	0.4	0.079	0.004	10.9351
										Infiltration	0.5		
30 minute winter	61	34	8.481	0.326	8.3	0.1104	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
										Infiltration	0.7		
30 minute winter	62	18	8.173	0.037	4.9	0.0126	0.0000OK	5.007	63	4.8	0.122	0.002	5.8085
30 minute winter	63	34	8.050	0.227	10.8	0.0773	0.0000OK	5.008	63_OUT	-1.5	0.047	-0.001	4.9882
										Infiltration	0.5		
30 minute winter	63_OUT	34	8.084	0.299	4.9	0.1018	0.0000OK	Infiltration		0.3			
30 minute winter	64	33	8.383	0.198	2.3	0.0318	0.0000OK	8.000	65	1.3	0.001	0.001	1.7057
30 minute winter	65	33	8.382	0.257	3.7	0.0412	0.0000OK	8.001	66	0.9	0.000	0.001	2.5527
										Infiltration	0.1		
30 minute winter	66	33	8.380	0.290	3.6	0.0458	0.0000OK	8.002	67	-1.3	0.035	-0.001	1.5137
										Infiltration	0.2		
30 minute winter	67	33	8.383	0.307	2.3	0.0470	0.0000OK	8.003	68	0.0	0.000	0.000	0.0000
										Infiltration	0.1		
30 minute winter	68	18	8.090	0.019	2.3	0.0029	0.0000OK	8.004	69	2.3	0.006	0.001	3.4003
30 minute winter	69	33	8.050	0.298	4.8	0.0477	0.0000OK	8.005	70	0.0	0.000	0.000	0.0000
										Infiltration	0.3		
30 minute winter	70	32	5.886	0.131	2.3	0.0209	0.0000OK	8.006	71	1.8	0.007	0.001	1.0281
30 minute winter	71	32	5.886	0.201	4.8	0.0321	0.0000OK	8.007	72	0.7	0.021	0.000	3.4679
										Infiltration	0.1		
30 minute winter	72	33	5.856	0.201	3.0	0.0322	0.0000OK	8.008	73	0.0	0.000	0.000	0.0000
										Infiltration	0.3		
30 minute winter	73	33	6.011	0.300	2.3	0.0490	0.0000OK	8.009	74	1.1	0.040	0.001	1.4785
30 minute winter	74	33	6.011	0.306	3.4	0.0490	0.0000OK	8.010	75	1.0	0.000	0.001	1.6713
										Infiltration	0.1		
30 minute winter	75	33	6.011	0.308	3.0	0.0490	0.0000OK	8.011	76	1.4	0.006	0.000	1.8652
										Infiltration	0.1		
30 minute winter	76	33	6.011	0.376	3.1	0.0572	0.0000OK	8.012	76_OUT	-0.6	0.010	0.000	1.9996
										Infiltration	0.1		
30 minute winter	76_OUT	33	6.011	0.378	2.3	0.0802	0.0000OK	Infiltration		0.1			

Results for 30 year 60 minute summer, 300 minute analysis at 1 minute timestep, Mass balance: 93.95%

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	33	9.800	0.530	12.1	0.0000	0.0000	FLOOD RISK	1.000	2	-12.1	-0.576	-0.553	0.4853	
60 minute summer	2	33	9.800	0.550	28.9	0.0000	0.0000	FLOOD RISK	1.001	3	-28.9	-0.893	-1.468	1.1264	
60 minute summer	3	32	9.800	0.650	36.5	0.0000	0.0000	FLOOD RISK	1.002	4	-36.5	-1.177	-1.742	0.4868	
60 minute summer	4	32	9.800	0.760	44.7	0.0000	0.0000	FLOOD RISK	1.003	5	-44.7	-1.428	-1.940	0.8441	
60 minute summer	5	32	9.800	0.890	53.7	0.0000	0.0000	FLOOD RISK	1.004	6	-53.7	-1.717	-1.437	0.1821	
60 minute summer	6	32	9.800	0.990	143.2	24.9954	0.0000	FLOOD RISK	1.005	7	61.4	1.255	1.267	0.7798	
60 minute summer	7	32	9.800	1.050	97.1	12.8476	0.0000	FLOOD RISK	1.006	8	87.2	1.125	1.242	2.4823	
60 minute summer	8	31	9.800	1.250	150.5	21.9292	0.0000	FLOOD RISK	1.007	9	139.3	1.113	1.288	5.9230	
60 minute summer	9	31	9.800	1.450	270.8	31.8146	0.0000	FLOOD RISK	1.008	10	233.0	1.191	0.983	3.1360	
60 minute summer	10	31	9.800	1.590	253.3	5.7672	0.0000	FLOOD RISK	1.009	11	252.3	1.290	1.768	47.8813	
60 minute summer	11	31	9.800	1.890	252.3	0.0000	0.0000	FLOOD RISK	1.010	12	252.4	1.291	0.877	53.3275	
60 minute summer	12	25	7.750	1.000	252.4	0.0000	0.0000	FLOOD RISK	1.011	13	372.8	2.411	1.898	0.3528	
60 minute summer	13	37	9.734	0.234	372.8	0.0000	0.0000	OK	1.012	13_OUT	295.7	0.820	0.238	0.4358	
60 minute summer	13_OUT	40	8.681	0.548	295.7	0.0000	0.0000	OK	Flow through pond	49	693.5	0.140	0.000	881.1277	
60 minute summer	14	30	9.800	0.500	7.3	0.0000	0.0000	FLOOD RISK	2.000	15	-7.3	-0.382	-0.241	0.8136	
60 minute summer	15	30	9.800	0.714	90.3	21.5807	0.0000	FLOOD RISK	2.001	16	55.2	1.138	1.138	0.9254	
60 minute summer	16	30	9.800	0.899	61.6	0.0000	0.0000	FLOOD RISK	2.002	17	-61.6	-1.259	-1.250	0.6320	
60 minute summer	17	30	9.800	0.941	91.8	8.7012	0.0000	FLOOD RISK	2.003	18	82.1	1.098	1.050	1.8750	
60 minute summer	18	30	9.800	1.119	152.4	18.2656	0.0000	FLOOD RISK	2.004	19	139.6	1.173	1.169	5.4590	
60 minute summer	19	30	9.800	1.344	250.4	29.9137	0.0000	FLOOD RISK	2.005	20	243.5	1.289	1.235	4.0828	
60 minute summer	20	30	9.800	1.359	243.5	0.0000	0.0000	FLOOD RISK	2.006	21	244.4	1.708	1.235	3.4978	
60 minute summer	21	30	9.800	1.428	244.4	0.0000	0.0000	FLOOD RISK	2.007	22	245.9	1.530	0.413	3.7404	
60 minute summer	22	30	9.800	1.800	318.0	14.1159	0.0000	FLOOD RISK	2.008	23	314.4	1.607	1.081	53.3617	
60 minute summer	23	22	7.750	1.000	314.4	0.0000	0.0000	FLOOD RISK	2.009	24	481.4	3.032	2.482	0.3574	
60 minute summer	24	36	9.740	0.240	481.4	0.0000	0.0000	OK	2.010	24_OUT	394.2	0.873	0.319	0.4751	
60 minute summer	24_OUT	35	8.206	0.973	394.2	0.0000	0.0000	OK	Flow through pond	49	693.5	0.140	0.000	881.1277	
60 minute summer	25	33	8.855	0.669	7.8	0.0441	0.0000	OK	3.000	26	7.8	0.729	0.435	0.3848	
60 minute summer	26	34	8.648	0.111	15.0	0.8020	0.0000	OK	3.001	27	14.0	0.952	0.885	0.5837	
									Infiltration		1.0				
60 minute summer	27	35	8.238	0.121	21.5	0.8835	0.0000	OK	3.002	28	19.5	1.207	0.971	0.5361	
									Infiltration		1.4				
60 minute summer	28	37	7.851	0.166	26.5	1.9843	0.0000	UNCHARGED	3.003	29	23.0	1.353	0.998	0.6315	
									Infiltration		1.3				
60 minute summer	29	35	7.255	0.190	31.4	1.0543	0.0000	UNCHARGED	3.004	30	27.2	1.618	0.977	0.1158	
									Infiltration		1.3				
60 minute summer	30	45	7.654	0.229	28.4	0.0275	0.0000	OK	3.005	31	26.4	0.271	0.011	4.8448	
60 minute summer	31	46	7.654	0.359	27.9	0.0431	0.0000	OK	3.006	32	22.0	0.180	0.013	4.7325	
									Infiltration		2.0				

60 minute summer	32	48	7.054	0.499	23.5	0.0491	0.0000OK	3.007	33	17.1	0.152	0.011	4.0978
								Infiltration		1.6			
								Infiltration		1.7			
60 minute summer	33	45	7.054	0.279	18.5	0.0335	0.0000OK	3.008	34	15.7	0.294	0.011	3.0904
60 minute summer	34	46	7.054	0.369	17.1	0.0371	0.0000OK	3.009	35	19.1	0.273	0.004	2.8703
								Infiltration		1.4			
60 minute summer	35	45	7.054	0.379	11.5	0.0455	0.0000OK	3.010	36	8.7	0.098	0.002	5.8244
								Infiltration		1.1			
60 minute summer	36	45	7.054	0.549	8.1	0.0826	0.0000OK	3.011	37	0.0	0.009	0.000	0.0000
								Infiltration		1.8			
60 minute summer	37	42	6.576	0.071	3.9	0.0085	0.0000OK	3.012	38	-2.5	0.043	-0.001	3.1942
60 minute summer	38	43	6.575	0.310	8.6	0.0372	0.0000OK	3.013	39	-5.9	-0.092	-0.004	2.2934
								Infiltration		1.2			
								Infiltration		1.8			
60 minute summer	39	44	6.575	0.120	7.8	0.0144	0.0000OK	3.014	40	-6.5	-0.335	-0.004	0.5711
								Infiltration		0.4			
60 minute summer	40	34	6.723	0.030	6.5	0.0037	0.0000OK	3.015	41	-5.1	-0.325	-0.003	0.2653
								Infiltration		0.0			
60 minute summer	41	34	6.894	0.029	5.2	0.0035	0.0000OK	3.016	42	-3.7	-0.277	-0.002	0.1719
								Infiltration		0.0			
60 minute summer	42	34	7.107	0.022	3.8	0.0026	0.0000OK	3.017	43	-2.3	-0.183	-0.002	0.1862
								Infiltration		0.0			
60 minute summer	43	34	7.171	0.026	2.4	0.0031	0.0000OK	3.018	44	-0.9	-0.090	-0.001	0.1293
								Infiltration		0.0			
60 minute summer	44	33	7.238	0.013	1.5	0.0015	0.0000OK	3.019	45	0.8	0.085	0.000	0.1956
60 minute summer	45	33	7.216	0.021	2.1	0.0025	0.0000OK	3.020	46	2.0	0.170	0.001	0.1518
								Infiltration		0.0			
60 minute summer	46	34	7.148	0.023	3.5	0.0028	0.0000OK	3.021	47	3.4	0.248	0.001	0.1904
								Infiltration		0.0			
60 minute summer	47	34	6.993	0.028	4.8	0.0034	0.0000OK	3.022	48	4.8	0.188	0.001	0.5848
								Infiltration		0.0			
60 minute summer	48	60	6.916	0.121	6.2	0.0145	0.0000OK	3.023	53	6.2	0.208	0.009	1.0866
								Infiltration		0.1			
60 minute summer	49	71	7.623	-0.377	690.0	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	61	6.916	0.131	7.5	0.0158	0.0000OK	3.024	54	8.5	0.162	0.002	2.1992
								Infiltration		0.2			
60 minute summer	54	59	6.916	0.291	8.3	0.0350	0.0000OK	3.025	54_OUT	2.5	0.045	0.001	4.5238
								Infiltration		0.3			
60 minute summer	54_OUT	61	6.916	0.411	4.0	0.0494	0.0000OK	Infiltration		0.4			

60 minute summer	55	37	8.535	0.089	4.1	0.0303	0.0000OK	5.000	56	4.1	0.412	0.553	0.2121
60 minute summer	56	37	8.531	0.115	8.2	0.4757	0.0000OK	5.001	57	7.4	0.532	0.588	0.3375
								Infiltration		0.2			
60 minute summer	57	37	8.510	0.200	11.5	0.9441	0.0000SURCHARGED	5.002	58	8.3	0.489	1.039	0.5462
								Infiltration		0.3			
60 minute summer	58	40	8.488	0.221	12.4	1.8615	0.0000SURCHARGED	5.003	59	9.2	0.540	1.245	0.9908
								Infiltration		0.5			
60 minute summer	59	61	8.483	0.258	13.3	1.5569	0.0000OK	5.004	60	8.1	0.103	0.011	7.1443
								Infiltration		0.4			
60 minute summer	60	60	8.450	0.278	12.2	0.6947	0.0000OK	5.005	61	2.4	0.682	0.002	11.0785
								Infiltration		0.5			
60 minute summer	61	60	8.483	0.327	6.5	0.1113	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.7			
60 minute summer	62	34	8.169	0.033	4.1	0.0113	0.0000OK	5.007	63	3.8	0.083	0.002	5.8892
60 minute summer	63	62	8.074	0.238	6.7	0.0809	0.0000OK	5.008	63_OUT	-1.1	0.633	-0.001	5.2497
								Infiltration		0.5			
60 minute summer	63_OUT	62	8.074	0.309	4.1	0.1050	0.0000OK	Infiltration		0.4			
60 minute summer	64	62	8.391	0.208	1.9	0.0330	0.0000OK	6.000	65	1.0	0.066	0.000	1.6204
60 minute summer	65	62	8.391	0.266	2.9	0.0425	0.0000OK	6.001	66	0.5	0.081	0.000	2.8535
								Infiltration		0.1			
60 minute summer	66	63	8.391	0.296	2.8	0.0470	0.0000OK	6.002	67	-0.7	0.630	0.000	1.5874
								Infiltration		0.2			
60 minute summer	67	63	8.391	0.315	1.9	0.0438	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
60 minute summer	68	33	8.090	0.017	1.3	0.0026	0.0000OK	6.004	69	1.9	0.053	0.001	3.5352
60 minute summer	69	62	8.070	0.300	3.8	0.0489	0.0000OK	6.005	70	0.0	0.600	0.000	0.0000
								Infiltration		0.3			
60 minute summer	70	61	5.889	0.134	1.9	0.0215	0.0000OK	6.006	71	1.3	0.081	0.000	1.0517
60 minute summer	71	62	5.889	0.204	3.2	0.0327	0.0000OK	6.007	72	0.5	0.015	0.000	3.5340
								Infiltration		0.1			
60 minute summer	72	63	5.889	0.204	2.4	0.0327	0.0000OK	6.008	73	0.0	0.600	0.000	0.0000
								Infiltration		0.3			
60 minute summer	73	63	6.024	0.319	1.9	0.0511	0.0000OK	6.009	74	0.8	0.927	0.001	1.5555
60 minute summer	74	63	6.024	0.319	2.7	0.0511	0.0000OK	6.010	75	0.5	0.067	0.000	1.7728
								Infiltration		0.1			
60 minute summer	75	63	6.024	0.319	2.3	0.0511	0.0000OK	6.011	76	0.7	0.049	0.000	1.9876
								Infiltration		0.1			
60 minute summer	76	63	6.024	0.389	2.4	0.0592	0.0000OK	6.012	76_OUT	-0.5	-0.008	0.000	2.1001
								Infiltration		0.1			
60 minute summer	76_OUT	63	6.024	0.389	1.9	0.0623	0.0000OK	Infiltration		0.1			

Results for 30 year 60 minute winter, 300 minute analysis at 1 minute timestep, Mass balance: 84.33%

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	31	9.890	0.500	14.2	0.0000	0.0000	FLOOD RISK	1.000	2	-14.2	-0.454	-0.849	0.4853	
60 minute winter	2	31	9.800	0.550	24.8	0.0000	0.0000	FLOOD RISK	1.001	3	-24.8	-0.697	-1.247	1.1264	
60 minute winter	3	31	9.800	0.650	33.6	0.0000	0.0000	FLOOD RISK	1.002	4	-33.6	-1.074	-1.568	0.4966	
60 minute winter	4	31	9.600	0.700	41.3	0.0000	0.0000	FLOOD RISK	1.003	5	-41.3	-1.321	-1.795	0.8441	
60 minute winter	5	30	9.600	0.800	47.4	0.0000	0.0000	FLOOD RISK	1.004	6	-47.4	-1.515	-1.293	0.1821	
60 minute winter	6	30	9.600	0.900	118.3	25.8536	0.0000	FLOOD RISK	1.005	7	60.7	1.242	1.253	0.7798	
60 minute winter	7	30	9.600	1.050	85.1	13.0607	0.0000	FLOOD RISK	1.006	8	87.2	1.124	1.243	2.4823	
60 minute winter	8	30	9.600	1.250	136.4	22.5178	0.0000	FLOOD RISK	1.007	9	141.4	1.130	1.307	5.8230	
60 minute winter	9	28	9.600	1.450	243.7	32.2454	0.0000	FLOOD RISK	1.008	10	238.1	1.218	1.004	3.1360	
60 minute winter	10	28	9.600	1.500	257.0	5.8786	0.0000	FLOOD RISK	1.009	11	257.1	1.315	1.740	47.8813	
60 minute winter	11	31	9.600	1.600	257.1	0.0000	0.0000	FLOOD RISK	1.010	12	258.0	1.322	0.898	53.3278	
60 minute winter	12	24	7.750	1.000	258.0	0.0000	0.0000	FLOOD RISK	1.011	13	429.8	2.691	2.183	0.3453	
60 minute winter	13	41	8.723	0.223	429.8	0.0000	0.0000	OK	1.012	13_OUT	320.8	8.846	0.258	0.4287	
60 minute winter	13_OUT	38	8.114	0.581	320.8	0.0000	0.0000	OK	Flow through pond	49	972.2	0.187	0.000	1023.8854	
60 minute winter	14	28	9.600	0.500	22.7	0.0000	0.0000	FLOOD RISK	2.000	15	-22.7	-0.841	-0.752	0.8136	
60 minute winter	15	28	9.600	0.714	79.7	19.8205	0.0000	FLOOD RISK	2.001	16	50.2	1.110	1.038	0.9254	
60 minute winter	16	28	9.600	0.808	50.2	0.0000	0.0000	FLOOD RISK	2.002	17	52.4	1.087	1.064	0.6320	
60 minute winter	17	28	9.600	0.941	105.5	8.0111	0.0000	FLOOD RISK	2.003	18	75.3	1.118	0.963	1.8750	
60 minute winter	18	28	9.600	1.119	127.1	18.8851	0.0000	FLOOD RISK	2.004	19	130.7	1.158	1.038	5.4890	
60 minute winter	19	27	9.600	1.344	232.0	25.0396	0.0000	FLOOD RISK	2.005	20	230.8	1.252	1.166	4.0828	
60 minute winter	20	28	9.600	1.389	230.0	0.0000	0.0000	FLOOD RISK	2.006	21	230.3	1.810	1.164	3.4979	
60 minute winter	21	28	9.600	1.428	230.3	0.0000	0.0000	FLOOD RISK	2.007	22	231.0	1.611	0.388	3.7404	
60 minute winter	22	28	9.600	1.800	296.6	13.3657	0.0000	FLOOD RISK	2.008	23	297.0	1.518	1.031	53.3617	
60 minute winter	23	30	7.750	1.000	297.6	0.0000	0.0000	FLOOD RISK	2.009	24	488.5	3.084	2.388	0.3535	
60 minute winter	24	36	8.736	0.236	488.5	0.0000	0.0000	OK	2.010	24_OUT	372.3	6.757	0.301	0.4858	
60 minute winter	24_OUT	41	8.158	0.524	372.3	0.0000	0.0000	OK	Flow through pond	49	972.2	0.187	0.000	1023.8854	
60 minute winter	25	33	8.857	0.661	6.3	0.0332	0.0000	OK	3.000	26	6.3	0.882	0.351	0.0299	
60 minute winter	26	34	8.531	0.690	12.0	0.4598	0.0000	OK	3.001	27	11.0	0.923	0.733	0.5012	
								Infiltration			0.8				
60 minute winter	27	36	8.220	0.105	17.8	0.6884	0.0000	OK	3.002	28	18.4	1.193	0.811	0.4471	
								Infiltration			1.2				
60 minute winter	28	35	7.898	0.113	22.6	0.5054	0.0000	OK	3.003	29	21.5	1.338	0.912	0.5708	
								Infiltration			0.8				
60 minute winter	29	37	7.220	0.156	27.6	0.7683	0.0000	WPCX RISK	3.004	30	25.8	1.617	0.927	0.1158	
								Infiltration			1.0				
60 minute winter	30	48	7.058	0.281	27.0	0.0314	0.0000	OK	3.005	31	24.5	0.249	0.910	5.3805	
60 minute winter	31	48	7.058	0.391	29.7	0.0470	0.0000	OK	3.006	32	19.0	0.178	0.911	5.3240	
								Infiltration			2.1				

60 minute winter	32	48	7.057	0.442	20.2	0.0530	0.0000OK	3.007	33	14.3	0.139	0.010	4.6551
								Infiltration		1.7			
								Infiltration		1.8			
60 minute winter	33	48	7.057	0.312	15.3	0.0374	0.0000OK	3.008	34	13.7	0.294	0.010	3.5730
60 minute winter	34	48	7.056	0.341	14.7	0.0410	0.0000OK	3.009	35	10.1	0.304	0.004	3.2848
								Infiltration		1.4			
60 minute winter	35	48	7.087	0.412	11.1	0.0484	0.0000OK	3.010	36	9.3	0.071	0.002	0.4373
								Infiltration		1.2			
60 minute winter	36	47	7.057	0.582	7.1	0.0883	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.9			
60 minute winter	37	48	6.580	0.086	2.8	0.0102	0.0000OK	3.012	38	-1.0	0.055	-0.001	3.4075
60 minute winter	38	48	6.589	0.324	7.1	0.0389	0.0000OK	3.013	39	-5.8	-0.080	-0.004	2.4780
								Infiltration		1.2			
								Infiltration		1.8			
60 minute winter	39	44	6.559	0.134	8.0	0.0181	0.0000OK	3.014	40	-5.4	-0.314	-0.004	0.6488
								Infiltration		0.5			
60 minute winter	40	34	6.722	0.027	5.4	0.0033	0.0000OK	3.015	41	-4.2	-0.303	-0.003	0.1620
								Infiltration		0.0			
60 minute winter	41	34	6.691	0.028	4.2	0.0031	0.0000OK	3.016	42	-3.0	-0.258	-0.002	0.1524
								Infiltration		0.0			
60 minute winter	42	34	7.194	0.019	3.1	0.0023	0.0000OK	3.017	43	-1.9	-0.170	-0.001	0.1474
								Infiltration		0.0			
60 minute winter	43	34	7.168	0.023	1.9	0.0020	0.0000OK	3.018	44	-0.7	-0.063	0.000	0.1140
								Infiltration		0.0			
60 minute winter	44	34	7.230	0.011	1.2	0.0013	0.0000OK	3.019	45	0.5	0.080	0.000	0.0933
60 minute winter	45	34	7.214	0.019	1.7	0.0023	0.0000OK	3.020	46	1.8	0.157	0.001	0.1345
								Infiltration		0.0			
60 minute winter	46	34	7.146	0.021	2.8	0.0025	0.0000OK	3.021	47	2.8	0.230	0.001	0.1688
								Infiltration		0.0			
60 minute winter	47	34	6.990	0.025	4.0	0.0030	0.0000OK	3.022	48	3.9	0.171	0.001	0.6839
								Infiltration		0.0			
60 minute winter	48	60	6.936	0.143	5.1	0.0172	0.0000OK	3.023	50	4.8	0.191	0.008	1.3207
								Infiltration		0.1			
60 minute winter	49	88	7.642	-0.358	1037.6	0.0500	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	60	6.938	0.153	5.0	0.0184	0.0000OK	3.024	54	5.3	0.172	0.002	2.4570
								Infiltration		0.2			
60 minute winter	54	62	6.938	0.313	6.5	0.0376	0.0000OK	3.025	54_OUT	2.8	0.047	0.001	4.9262
								Infiltration		0.3			
60 minute winter	54_OUT	60	6.939	0.434	4.0	0.0520	0.0000OK	Infiltration		0.4			

60 minute winter	55	43	8.530	0.084	3.3	0.0288	0.0000OK	5.000	56	3.3	0.390	0.447	0.2021
60 minute winter	56	43	8.527	0.111	6.6	0.4584	0.0000OK	5.001	57	6.4	0.484	0.507	0.3323
								Infiltration		0.2			
60 minute winter	57	43	8.518	0.208	9.7	0.9511	0.0000SURCHARGED	5.002	58	7.5	0.489	0.942	0.5462
								Infiltration		0.3			
60 minute winter	58	59	8.493	0.248	10.8	1.9293	0.0000SURCHARGED	5.003	59	8.3	0.516	1.123	0.3908
								Infiltration		0.5			
60 minute winter	59	61	8.493	0.285	11.6	1.7858	0.0000OK	5.004	60	6.9	0.111	0.910	8.2498
								Infiltration		0.4			
60 minute winter	60	61	8.493	0.308	10.2	0.1046	0.0000OK	5.005	61	2.1	0.087	0.002	12.6249
								Infiltration		0.5			
60 minute winter	61	61	8.493	0.357	5.4	0.1215	0.0000OK	5.006	62	0.0	0.000	0.003	0.0000
								Infiltration		0.7			
60 minute winter	62	66	8.186	0.030	3.3	0.0162	0.0000OK	5.007	63	3.2	0.089	0.002	6.7706
60 minute winter	63	62	8.161	0.205	7.2	0.0901	0.0000OK	5.008	63_OUT	0.9	0.035	0.001	5.9852
								Infiltration		0.6			
60 minute winter	63_OUT	62	8.191	0.330	3.3	0.1142	0.0000OK	Infiltration		0.4			
60 minute winter	64	61	8.421	0.236	1.6	0.0378	0.0000OK	8.000	65	0.7	0.058	0.003	2.1400
60 minute winter	65	61	8.421	0.298	2.5	0.0474	0.0000OK	8.001	66	-0.8	0.083	0.000	3.0562
								Infiltration		0.1			
60 minute winter	66	60	8.421	0.328	2.4	0.0518	0.0000OK	8.002	67	-0.8	0.030	-0.001	1.7880
								Infiltration		0.2			
60 minute winter	67	60	8.421	0.345	1.6	0.0535	0.0000OK	8.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
60 minute winter	68	59	8.095	0.019	1.8	0.0029	0.0000OK	8.004	69	1.8	0.056	0.001	4.0010
60 minute winter	69	61	8.095	0.330	3.2	0.0528	0.0000OK	8.005	70	0.0	0.000	0.003	0.0000
								Infiltration		0.3			
60 minute winter	70	60	5.912	0.157	1.0	0.0252	0.0000OK	8.006	71	1.0	0.081	0.003	1.2354
60 minute winter	71	61	5.912	0.227	2.5	0.0364	0.0000OK	8.007	72	0.5	0.018	0.000	4.0889
								Infiltration		0.1			
60 minute winter	72	61	5.913	0.228	2.0	0.0384	0.0000OK	8.008	73	0.0	0.000	0.003	0.0000
								Infiltration		0.3			
60 minute winter	73	62	6.081	0.350	1.0	0.0570	0.0000OK	8.009	74	0.0	0.028	0.003	1.8267
60 minute winter	74	62	6.081	0.356	2.2	0.0570	0.0000OK	8.010	75	0.6	0.072	0.003	2.0688
								Infiltration		0.1			
60 minute winter	75	62	8.051	0.358	2.0	0.0570	0.0000OK	8.011	76	0.8	0.056	0.003	2.2867
								Infiltration		0.1			
60 minute winter	76	62	6.081	0.426	2.1	0.0648	0.0000OK	8.012	76_OUT	-0.5	0.009	0.003	2.3861
								Infiltration		0.1			
60 minute winter	76_OUT	62	6.081	0.428	1.8	0.0882	0.0000OK	Infiltration		0.1			

Results for 30 year 120 minute summer, 360 minute analysis at 2 minute timestep, Mass balance: 94.61%

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)
120 minute summer	1	50	9.850	0.500	8.7	0.0000	0.0000	FLOOD RISK	1.000	2	-6.7	-0.213	-0.304	0.4853	
120 minute summer	2	50	9.800	0.550	14.8	0.0000	0.0000	FLOOD RISK	1.001	3	-14.8	-0.688	-0.748	1.1284	
120 minute summer	3	80	9.800	0.850	27.4	0.0000	0.0000	FLOOD RISK	1.002	4	-27.4	-0.877	-1.297	0.4986	
120 minute summer	4	80	9.800	0.700	32.8	0.0000	0.0000	FLOOD RISK	1.003	5	-32.8	-1.047	-1.423	0.8441	
120 minute summer	5	50	9.800	0.800	38.1	0.0000	0.0000	FLOOD RISK	1.004	6	-38.1	-1.218	-1.018	0.1821	
120 minute summer	6	58	9.800	0.900	99.8	21.1575	0.0000	FLOOD RISK	1.005	7	-80.9	-1.245	-1.258	0.7796	
120 minute summer	7	58	9.800	1.050	69.8	10.8150	0.0000	FLOOD RISK	1.006	8	74.5	1.073	1.080	2.4923	
120 minute summer	8	58	9.850	1.250	119.4	18.9288	0.0000	FLOOD RISK	1.007	9	123.1	1.082	1.138	5.9230	
120 minute summer	9	58	9.800	1.450	211.1	27.5380	0.0000	FLOOD RISK	1.008	10	207.4	1.080	0.875	3.1380	
120 minute summer	10	58	9.800	1.590	223.8	5.0417	0.0000	FLOOD RISK	1.009	11	223.9	1.145	1.515	47.8613	
120 minute summer	11	80	9.800	1.800	223.8	0.0000	0.0000	FLOOD RISK	1.010	12	222.6	1.138	0.773	50.3278	
120 minute summer	12	40	7.750	1.000	222.6	0.0000	0.0000	FLOOD RISK	1.011	13	384.6	2.686	1.958	0.3416	
120 minute summer	13	68	8.715	0.218	384.6	0.0000	0.0000	OK	1.012	13_CUT	283.4	0.195	0.229	0.3803	
120 minute summer	13_CUT	72	8.032	0.499	283.4	0.0000	0.0000	OK	Flow through pond	49	720.2	0.128	0.000	1118.5713	
120 minute summer	14	58	9.850	0.500	4.8	0.0000	0.0000	FLOOD RISK	2.000	15	-4.8	-0.146	-0.152	0.8136	
120 minute summer	15	58	9.850	0.714	43.6	15.2352	0.0000	FLOOD RISK	2.001	16	41.6	0.928	0.855	0.8254	
120 minute summer	16	58	9.800	0.809	41.5	0.0000	0.0000	FLOOD RISK	2.002	17	42.8	0.918	0.868	0.8320	
120 minute summer	17	56	9.800	0.941	58.9	6.3583	0.0000	FLOOD RISK	2.003	18	62.1	0.918	0.795	1.8750	
120 minute summer	18	56	9.850	1.118	107.0	13.6819	0.0000	FLOOD RISK	2.004	19	109.4	0.935	0.888	5.4890	
120 minute summer	19	58	9.800	1.344	193.1	20.8100	0.0000	FLOOD RISK	2.005	20	192.2	0.983	0.975	4.0828	
120 minute summer	20	56	9.800	1.389	192.2	0.0000	0.0000	FLOOD RISK	2.006	21	192.2	1.399	0.871	3.4979	
120 minute summer	21	58	9.800	1.428	192.2	0.0000	0.0000	FLOOD RISK	2.007	22	192.2	1.192	0.323	3.7404	
120 minute summer	22	58	9.800	1.800	247.5	11.4855	0.0000	FLOOD RISK	2.008	23	247.3	1.284	0.858	53.3017	
120 minute summer	23	36	7.750	1.000	247.3	0.0000	0.0000	FLOOD RISK	2.009	24	420.2	2.786	2.140	0.3481	
120 minute summer	24	70	9.723	0.223	420.2	0.0000	0.0000	OK	2.010	24_CUT	367.0	0.198	0.248	0.4112	
120 minute summer	24_CUT	88	8.180	0.585	307.0	0.0000	0.0000	OK	Flow through pond	49	720.2	0.128	0.000	1118.5713	
120 minute summer	25	64	8.850	0.064	5.0	0.0348	0.0000	OK	3.000	26	5.0	0.650	0.279	0.2785	
120 minute summer	26	84	8.518	0.083	10.0	0.3461	0.0000	OK	3.001	27	9.2	0.882	0.577	0.4141	
									Infiltration		0.7				
120 minute summer	27	84	8.264	0.089	14.2	0.4861	0.0000	OK	3.002	28	12.8	1.145	0.636	0.3857	
									Infiltration		1.0				
120 minute summer	28	84	7.789	0.094	17.8	0.3596	0.0000	OK	3.003	29	16.9	1.308	0.714	0.4615	
									Infiltration		0.7				
120 minute summer	29	58	7.176	0.113	21.6	0.3873	0.0000	OK	3.004	30	20.8	1.592	0.752	0.9890	
									Infiltration		0.7				
120 minute summer	30	80	7.033	0.208	21.8	0.0250	0.0000	OK	3.005	31	20.1	0.216	0.008	4.2105	
120 minute summer	31	80	7.033	0.238	21.0	0.0408	0.0000	OK	3.006	32	15.6	0.134	0.008	4.3896	
									Infiltration		1.8				
120 minute summer	32	80	7.033	0.388	18.5	0.0460	0.0000	OK	3.007	33	10.4	0.107	0.007	3.7583	

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120 minute summer	67	72	8.472	0.163	7.8	0.8757	0.0000SURCHARGE	Infiltration	0.2				
120 minute summer	68	96	8.472	0.227	8.7	1.7218	0.0000SURCHARGE	Infiltration	6.3				
120 minute summer	69	98	8.472	0.267	8.8	1.8144	0.0000OK	Infiltration	0.5				
120 minute summer	80	98	8.472	0.287	7.7	0.0975	0.0000OK	Infiltration	0.4				
120 minute summer	81	98	8.472	0.338	4.2	0.1141	0.0000OK	Infiltration	0.5				
120 minute summer	82	84	8.162	0.028	2.8	0.0087	0.0000OK	Infiltration	0.7				
120 minute summer	83	108	8.089	0.253	5.8	0.0858	0.0000OK	Infiltration	2.5	0.068	0.001	8.3320	
120 minute summer	83_OUT							Infiltration	-0.8	0.027	0.000	5.8357	
120 minute summer	84	102	8.405	0.220	1.2	0.0352	0.0000OK	Infiltration	0.6				
120 minute summer	85	102	8.405	0.280	1.8	0.0448	0.0000OK	Infiltration	0.4				
120 minute summer	86	102	8.405	0.312	1.7	0.0493	0.0000OK	Infiltration	0.5	0.054	0.000	1.9844	
120 minute summer	87	102	8.405	0.328	1.2	0.0518	0.0000OK	Infiltration	0.2	0.048	0.000	2.8380	
120 minute summer	88	84	8.089	0.013	1.2	0.0025	0.0000OK	Infiltration	0.1				
120 minute summer	89	102	8.089	0.318	2.4	0.0508	0.0000OK	Infiltration	0.1				
120 minute summer	70	103	5.897	0.142	1.2	0.0227	0.0000OK	Infiltration	0.3				
120 minute summer	71	102	5.897	0.212	1.9	0.0338	0.0000OK	Infiltration	0.7	0.049	0.000	1.1125	
120 minute summer	72	102	5.897	0.212	1.4	0.0338	0.0000OK	Infiltration	0.3	0.011	0.000	3.7104	
120 minute summer	73	122	8.047	0.342	1.2	0.0547	0.0000OK	Infiltration	0.1				
120 minute summer	74	122	8.047	0.342	1.7	0.0547	0.0000OK	Infiltration	0.3				
120 minute summer	75	122	8.047	0.342	1.5	0.0547	0.0000OK	Infiltration	0.1				
120 minute summer	76	122	8.047	0.412	1.5	0.0526	0.0000OK	Infiltration	0.4	0.038	0.000	2.1488	
120 minute summer	76_OUT							Infiltration	0.1				
120 minute summer	78_OUT	122	8.047	0.412	1.2	0.0558	0.0000OK	Infiltration	-0.3	0.008	0.000	2.2796	

Results for 30 year 120 minute winter, 360 minute analysis at 2 minute timestep, Mass balance: 95.01%

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)
120 minute winter	1	56	9.800	0.500	7.9	0.0000	0.0000	FLOOD RISK	1.000	2	-7.9	-0.494	-0.381	0.4853	
120 minute winter	2	56	9.800	0.550	24.8	0.0000	0.0000	FLOOD RISK	1.001	3	-24.8	-0.601	-1.249	1.1284	
120 minute winter	3	56	9.800	0.650	28.1	0.0000	0.0000	FLOOD RISK	1.002	4	-28.1	-0.698	-1.329	0.4986	
120 minute winter	4	56	9.800	0.700	30.4	0.0000	0.0000	FLOOD RISK	1.003	5	-30.4	-0.972	-1.321	0.8441	
120 minute winter	5	64	9.800	0.800	34.1	0.0000	0.0000	FLOOD RISK	1.004	6	-34.1	-1.085	-0.911	0.1621	
120 minute winter	6	64	9.800	0.900	71.8	18.4109	0.0000	FLOOD RISK	1.005	7	43.1	1.057	0.889	0.7796	
120 minute winter	7	64	9.800	1.050	63.2	9.4737	0.0000	FLOOD RISK	1.006	8	65.3	1.052	0.930	2.4823	
120 minute winter	8	64	9.800	1.250	109.4	16.7592	0.0000	FLOOD RISK	1.007	9	119.6	1.675	1.022	5.9230	
120 minute winter	9	64	9.800	1.450	187.5	24.8935	0.0000	FLOOD RISK	1.008	10	188.6	0.955	0.788	3.1360	
120 minute winter	10	64	9.800	1.500	201.3	4.5391	0.0000	FLOOD RISK	1.009	11	201.2	1.028	1.361	47.8613	
120 minute winter	11	66	9.800	1.800	201.2	0.0000	0.0000	FLOOD RISK	1.010	12	202.3	1.034	0.793	51.3276	
120 minute winter	12	36	7.750	1.900	252.3	0.0000	0.0000	FLOOD RISK	1.011	13	345.9	2.358	1.782	0.3252	
120 minute winter	13	70	9.888	0.189	345.9	0.0000	0.0000	OK	1.012	13_OUT	235.2	6.328	0.193	0.3353	
120 minute winter	13_OUT	72	8.021	0.487	238.2	0.0000	0.0000	OK	Flow through pond	49	729.0	0.119	0.000	1288.4658	
120 minute winter	14	60	9.800	0.500	17.3	0.0000	0.0000	FLOOD RISK	2.000	15	-17.3	-0.577	-0.575	0.8136	
120 minute winter	15	60	9.800	0.714	49.5	12.0546	0.0000	FLOOD RISK	2.001	16	33.5	0.922	0.691	0.9254	
120 minute winter	16	60	9.800	0.809	37.1	0.0000	0.0000	FLOOD RISK	2.002	17	-37.1	0.912	-0.754	0.6329	
120 minute winter	17	60	9.800	0.941	53.7	5.1896	0.0000	FLOOD RISK	2.003	18	59.6	0.813	0.647	1.6750	
120 minute winter	18	60	9.800	1.119	90.5	11.4014	0.0000	FLOOD RISK	2.004	19	91.1	0.947	0.723	5.4890	
120 minute winter	19	60	9.800	1.344	181.2	17.7801	0.0000	FLOOD RISK	2.005	20	181.1	1.620	0.817	4.9626	
120 minute winter	20	60	9.800	1.389	181.1	0.0000	0.0000	FLOOD RISK	2.006	21	181.1	1.470	0.814	3.4979	
120 minute winter	21	60	9.800	1.428	181.1	0.0000	0.0000	FLOOD RISK	2.007	22	181.1	1.285	0.270	3.7404	
120 minute winter	22	60	9.800	1.800	266.8	10.1833	0.0000	FLOOD RISK	2.008	23	207.9	1.083	0.722	53.3017	
120 minute winter	23	32	7.750	1.000	207.9	0.0000	0.0000	FLOOD RISK	2.009	24	345.2	2.216	1.758	0.3322	
120 minute winter	24	64	9.700	0.200	345.2	0.0000	0.0000	OK	2.010	24_OUT	241.9	6.393	0.195	0.3482	
120 minute winter	24_OUT	66	8.029	0.495	241.9	0.0000	0.0000	OK	Flow through pond	49	729.0	0.118	0.000	1288.4656	
120 minute winter	25	64	8.843	0.047	3.8	0.0299	0.0000	OK	3.000	26	3.8	0.602	0.212	0.2250	
120 minute winter	26	64	8.505	0.070	7.8	0.2584	0.0000	OK	3.001	27	7.0	0.828	0.439	0.3383	
									Infiltration		0.6				
120 minute winter	27	64	8.190	0.075	16.6	0.3561	0.0000	OK	3.002	28	9.9	1.681	0.490	0.2966	
									Infiltration		0.6				
120 minute winter	28	64	7.775	0.080	13.7	0.2873	0.0000	OK	3.003	29	13.1	1.245	0.553	0.3781	
									Infiltration		0.6				
120 minute winter	29	64	7.158	0.090	16.9	0.2759	0.0000	OK	3.004	30	16.2	1.620	0.584	0.6880	
									Infiltration		9.5				
120 minute winter	30	88	7.052	0.227	16.9	0.9272	0.0000	OK	3.005	31	15.7	0.195	0.097	4.8602	
120 minute winter	31	88	7.052	0.357	16.4	0.0426	0.0000	OK	3.006	32	12.2	0.142	0.097	4.8937	
									Infiltration		2.0				

120 minute winter	32	86	7.652	0.407	12.8	0.0488	0.0000OK	3.007	33	8.0	0.094	0.005	4.0622
								Infiltration		1.6			
								Infiltration		1.7			
120 minute winter	33	88	7.652	0.277	8.6	0.0332	0.0000OK	3.008	34	7.7	0.234	0.005	3.0572
120 minute winter	34	88	7.652	0.307	8.3	0.0366	0.0000OK	3.009	35	5.7	0.239	0.002	2.8439
								Infiltration		1.3			
120 minute winter	35	88	7.652	0.377	6.3	0.0452	0.0000OK	3.010	36	4.1	0.050	0.001	5.7842
								Infiltration		1.1			
120 minute winter	36	88	7.652	0.547	4.6	0.0623	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.8			
120 minute winter	37	80	6.560	0.065	0.8	0.0066	0.0000OK	3.012	38	0.7	0.040	0.000	2.9074
120 minute winter	38	82	6.560	0.295	4.4	0.0354	0.0000OK	3.013	39	-3.2	-0.075	-0.002	2.1023
								Infiltration		1.2			
								Infiltration		1.7			
120 minute winter	39	82	6.560	0.105	3.8	0.0126	0.0000OK	3.014	40	-3.1	-0.291	-0.002	0.4920
								Infiltration		0.3			
120 minute winter	40	88	8.715	0.020	3.2	0.0024	0.0000OK	3.015	41	-2.5	-0.248	-0.002	0.1301
								Infiltration		0.0			
120 minute winter	41	68	6.884	0.019	2.5	0.0022	0.0000OK	3.016	42	-1.8	-0.210	-0.001	0.1089
								Infiltration		0.0			
120 minute winter	42	68	7.699	0.014	1.8	0.0017	0.0000OK	3.017	43	-1.1	-0.135	-0.001	0.1058
								Infiltration		0.0			
120 minute winter	43	68	7.162	0.017	1.1	0.0020	0.0000OK	3.018	44	-0.4	-0.007	0.000	0.5824
								Infiltration		0.0			
120 minute winter	44	68	7.233	0.008	0.7	0.0010	0.0000OK	3.019	45	0.3	0.049	0.000	0.9669
120 minute winter	45	68	7.209	0.014	1.0	0.0016	0.0000OK	3.020	46	0.9	0.128	0.000	0.0981
								Infiltration		0.0			
120 minute winter	46	68	7.140	0.015	1.8	0.0018	0.0000OK	3.021	47	1.8	0.188	0.001	0.1205
								Infiltration		0.0			
120 minute winter	47	68	6.983	0.018	2.3	0.0022	0.0000OK	3.022	48	2.3	0.134	0.001	0.7257
								Infiltration		0.0			
120 minute winter	48	98	6.948	0.151	3.0	0.0181	0.0000OK	3.023	49	2.7	0.145	0.000	1.4033
								Infiltration		0.2			
120 minute winter	49	134	7.868	-0.331	738.8	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	98	6.948	0.151	3.4	0.0193	0.0000OK	3.024	54	3.0	0.133	0.001	2.5930
								Infiltration		0.2			
120 minute winter	54	98	6.948	0.321	3.6	0.0365	0.0000OK	3.025	54_OUT	1.3	0.037	0.001	5.9662
								Infiltration		0.3			
120 minute winter	54_OUT	98	6.948	0.441	1.9	0.0529	0.0000OK	Infiltration		0.4			

120 minute winter	55	112	8.500	0.064	2.0	0.0183	0.0000OK	5.000	56	2.0	0.345	0.271	0.1317
120 minute winter	56	112	8.498	0.083	4.0	0.3330	0.0000OK	5.001	57	3.8	0.438	0.303	0.2814
								Infiltration		0.2			
120 minute winter	57	112	8.498	0.189	5.8	0.8377	0.0000SURFCHARGED	5.002	58	4.6	0.410	0.589	0.5402
								Infiltration		0.3			
120 minute winter	58	112	8.498	0.254	6.8	1.9818	0.0000SURFCHARGED	5.003	59	5.0	0.385	0.859	0.3806
								Infiltration		0.5			
120 minute winter	59	112	8.498	0.294	6.9	1.5028	0.0000OK	5.004	60	4.1	0.685	0.000	8.4488
								Infiltration		0.4			
120 minute winter	60	112	8.498	0.314	6.1	0.1066	0.0000OK	5.005	61	1.3	0.056	0.001	12.8999
								Infiltration		0.5			
120 minute winter	61	112	8.498	0.363	3.3	0.1233	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.7			
120 minute winter	62	68	8.158	0.022	2.0	0.0076	0.0000OK	5.007	63	2.0	0.673	0.001	7.2327
120 minute winter	63	114	8.115	0.279	4.5	0.0950	0.0000OK	5.008	63_OUT	0.6	0.030	0.000	6.3626
								Infiltration		0.6			
120 minute winter	63_OUT	114	8.115	0.350	2.0	0.1191	0.0000OK	Infiltration		0.4			
120 minute winter	64	116	8.444	0.259	1.0	0.0414	0.0000OK	6.000	65	0.5	0.055	0.000	2.3885
120 minute winter	65	116	8.444	0.319	1.5	0.0510	0.0000OK	6.001	66	0.4	0.050	0.000	3.3697
								Infiltration		0.2			
120 minute winter	66	116	8.444	0.351	1.5	0.0554	0.0000OK	6.002	67	-0.5	0.023	0.000	1.9606
								Infiltration		0.2			
120 minute winter	67	116	8.444	0.368	1.0	0.0570	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
120 minute winter	68	116	8.108	0.030	1.0	0.0047	0.0000OK	6.004	69	1.0	0.041	0.000	4.2802
120 minute winter	69	114	8.108	0.341	2.0	0.0546	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
120 minute winter	70	116	5.924	0.108	1.0	0.0270	0.0000OK	6.006	71	0.8	0.051	0.000	1.3317
120 minute winter	71	116	5.924	0.239	1.6	0.0382	0.0000OK	6.007	72	0.3	0.014	0.000	4.3438
								Infiltration		0.1			
120 minute winter	72	116	5.924	0.239	1.3	0.0362	0.0000OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
120 minute winter	73	120	6.095	0.390	1.0	0.0624	0.0000OK	6.009	74	0.4	0.023	0.000	2.0784
120 minute winter	74	120	6.095	0.390	1.4	0.0624	0.0000OK	6.010	75	0.4	0.060	0.000	2.3513
								Infiltration		0.1			
120 minute winter	75	120	6.095	0.390	1.3	0.0624	0.0000OK	6.011	76	0.5	0.041	0.000	2.5518
								Infiltration		0.1			
120 minute winter	76	120	6.095	0.460	1.3	0.0699	0.0000OK	6.012	76_OUT	-0.2	0.007	0.000	2.5776
								Infiltration		0.1			
120 minute winter	76_OUT	120	6.095	0.460	1.0	0.0736	0.0000OK	Infiltration		0.1			

Results for 30 year 180 minute summer, 420 minute analysis at 4 minute timestep, Mass balance: 95.43%

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	88	9.890	0.500	5.0	0.0000	0.0000	FLOOD RISK	1.000	2	-5.0	-0.188	-0.229	0.4853	
180 minute summer	2	88	9.800	0.550	17.7	0.0500	0.0000	FLOOD RISK	1.001	3	-17.7	-0.588	-0.891	1.1264	
180 minute summer	3	88	9.800	0.850	22.8	0.0800	0.0000	FLOOD RISK	1.002	4	-22.8	-0.723	-1.070	0.4980	
180 minute summer	4	88	9.800	0.700	25.6	0.0000	0.0000	FLOOD RISK	1.003	5	-25.6	-0.819	-1.113	0.8441	
180 minute summer	5	84	9.890	0.800	28.1	0.0000	0.0000	FLOOD RISK	1.004	6	-28.1	-0.897	-0.751	0.1521	
180 minute summer	6	84	9.800	0.900	52.7	17.1789	0.0000	FLOOD RISK	1.005	7	41.8	0.931	0.857	0.7798	
180 minute summer	7	84	9.800	1.050	60.1	8.8797	0.0000	FLOOD RISK	1.006	8	52.3	0.917	0.887	2.4923	
180 minute summer	8	84	9.890	1.250	102.9	15.7809	0.0000	FLOOD RISK	1.007	9	195.3	0.958	0.974	5.9239	
180 minute summer	9	84	9.800	1.450	178.4	23.3593	0.0000	FLOOD RISK	1.008	10	177.0	0.903	0.747	3.1360	
180 minute summer	10	84	9.800	1.590	189.8	4.3806	0.0000	FLOOD RISK	1.009	11	190.8	0.974	1.289	47.8813	
180 minute summer	11	88	9.800	1.800	195.5	0.0000	0.0000	FLOOD RISK	1.010	12	192.2	0.983	0.887	53.3278	
180 minute summer	12	52	7.750	1.000	192.2	0.0000	0.0000	FLOOD RISK	1.011	13	296.8	2.076	1.511	0.2985	
180 minute summer	13	100	8.840	0.140	296.8	0.0000	0.0000	OK	1.012	13_CUT	253.8	5.600	0.295	0.2838	
180 minute summer	13_CUT	100	8.004	0.471	253.5	0.0000	0.0000	OK	Flow through pond	49	582.8	0.963	0.000	1273.4584	
180 minute summer	14	80	9.890	0.500	10.5	0.0000	0.0000	FLOOD RISK	2.000	15	-10.5	-0.421	-0.347	0.8135	
180 minute summer	15	80	9.890	0.714	38.6	11.3433	0.0000	FLOOD RISK	2.001	16	32.6	0.819	0.670	0.9254	
180 minute summer	16	80	9.800	0.809	32.5	0.0000	0.0000	FLOOD RISK	2.002	17	33.9	0.815	0.671	0.6320	
180 minute summer	17	80	9.800	0.941	47.1	4.9415	0.0000	FLOOD RISK	2.003	18	48.9	0.753	0.629	1.8759	
180 minute summer	18	80	9.890	1.119	88.3	10.9288	0.0000	FLOOD RISK	2.004	19	86.4	0.821	0.686	5.4899	
180 minute summer	19	80	9.800	1.344	154.5	17.1700	0.0000	FLOOD RISK	2.005	20	152.8	0.889	0.775	4.0528	
180 minute summer	20	80	9.800	1.389	152.8	0.0000	0.0000	FLOOD RISK	2.006	21	152.8	1.211	0.771	3.4979	
180 minute summer	21	80	9.800	1.428	152.8	0.0000	0.0000	FLOOD RISK	2.007	22	152.8	1.058	0.258	3.7404	
180 minute summer	22	80	9.890	1.800	197.4	9.9248	0.0000	FLOOD RISK	2.008	23	195.5	1.009	0.679	53.3017	
180 minute summer	23	48	7.750	1.000	195.5	0.0000	0.0000	FLOOD RISK	2.009	24	339.6	2.353	1.729	0.3171	
180 minute summer	24	96	9.574	0.174	339.6	0.0000	0.0000	OK	2.010	24_CUT	216.4	5.133	0.175	0.2898	
180 minute summer	24_CUT	104	7.982	0.428	216.4	0.0000	0.0000	OK	Flow through pond	49	582.8	0.983	0.000	1273.4584	
180 minute summer	25	96	8.842	0.642	3.7	0.0295	0.0000	OK	3.000	26	3.7	0.603	0.298	0.2207	
180 minute summer	26	96	8.504	0.069	7.4	0.2496	0.0000	OK	3.001	27	6.8	0.822	0.428	0.3300	
								Infiltration			0.6				
180 minute summer	27	96	8.189	0.074	10.5	0.3487	0.0000	OK	3.002	28	9.7	1.075	0.478	0.2931	
								Infiltration			0.8				
180 minute summer	28	96	7.773	0.076	13.4	0.2895	0.0000	OK	3.003	29	12.7	1.238	0.540	0.3898	
								Infiltration			0.6				
180 minute summer	29	80	7.157	0.092	18.4	0.2577	0.0000	OK	3.004	30	15.8	1.512	0.570	0.0712	
								Infiltration			0.8				
180 minute summer	30	112	7.007	0.182	16.8	0.0215	0.0000	OK	3.005	31	15.3	0.184	0.006	3.6801	
180 minute summer	31	112	7.006	0.311	16.0	0.0374	0.0000	OK	3.006	32	12.0	0.108	0.007	3.9244	
								Infiltration			1.8				
180 minute summer	32	112	7.008	0.381	12.7	0.0434	0.0000	OK	3.007	33	7.7	0.586	0.095	3.3437	

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180 minute summer	57	128	8.488	0.158	5.5	0.8315	0.0000SURCHARGE	Infiltration	5.002	58	4.8	0.381	0.588	0.5462
180 minute summer	58	128	8.488	0.221	6.5	1.6808	0.0000SURCHARGE	Infiltration	5.003	59	4.7	0.337	0.633	0.3808
180 minute summer	59	128	8.485	0.280	8.5	1.5711	0.0000OK	Infiltration	5.004	60	3.8	0.082	0.005	7.2184
180 minute summer	60	128	8.485	0.280	5.8	0.0853	0.0000OK	Infiltration	5.005	61	1.2	0.042	0.001	11.1820
180 minute summer	61	128	8.485	0.328	3.1	0.1129	0.0000OK	Infiltration	5.008	62	0.0	0.000	0.000	0.0000
180 minute summer	62	96	8.157	0.021	1.8	0.0073	0.0000OK	Infiltration	5.007	63	1.9	0.057	0.001	5.2933
180 minute summer	63	140	8.087	0.251	4.1	0.0855	0.0000OK	Infiltration	5.008	63_OUT	0.4	0.024	0.000	5.6057
180 minute summer	63_OUT	140	8.087	0.322	1.8	0.1096	0.0000OK	Infiltration	5.009	64	0.3	0.044	0.000	2.0096
180 minute summer	64	136	8.409	0.224	6.8	0.0358	0.0000OK	Infiltration	5.000	65	-0.2	0.056	0.000	2.8938
180 minute summer	65	136	8.409	0.284	1.4	0.0455	0.0000OK	Infiltration	5.001	66	-0.4	0.023	0.000	1.8992
180 minute summer	66	136	8.409	0.315	1.3	0.0498	0.0000OK	Infiltration	5.002	67	0.0	0.000	0.000	0.0000
180 minute summer	67	136	8.409	0.333	0.9	0.0518	0.0000OK	Infiltration	5.003	68	0.0	0.000	0.000	0.0000
180 minute summer	68	132	8.087	0.011	0.8	0.0017	0.0000OK	Infiltration	5.004	69	0.9	0.037	0.000	3.8284
180 minute summer	69	132	8.087	0.222	1.8	0.0518	0.0000OK	Infiltration	5.005	70	0.0	0.000	0.000	0.0000
180 minute summer	70	136	5.898	0.143	0.8	0.0229	0.0000OK	Infiltration	5.006	71	0.8	0.042	0.000	1.1225
180 minute summer	71	136	5.898	0.213	1.5	0.0341	0.0000OK	Infiltration	5.007	72	0.3	0.011	0.000	3.7399
180 minute summer	72	136	5.898	0.213	1.2	0.0341	0.0000OK	Infiltration	5.008	73	0.0	0.000	0.000	0.0000
180 minute summer	73	180	8.057	0.352	0.9	0.0563	0.0000OK	Infiltration	5.009	74	0.4	0.018	0.000	1.7942
180 minute summer	74	180	8.057	0.352	1.3	0.0583	0.0000OK	Infiltration	5.010	75	0.2	0.043	0.000	2.0317
180 minute summer	75	180	8.057	0.352	1.1	0.0563	0.0000OK	Infiltration	5.011	76	0.3	0.034	0.000	2.2295
180 minute summer	76	180	8.057	0.422	1.1	0.0641	0.0000OK	Infiltration	5.012	76_OUT	-0.2	-0.007	0.000	2.3593
180 minute summer	76_OUT	180	8.057	0.422	0.9	0.0675	0.0000OK	Infiltration	5.011		0.1			

Results for 30 year 180 minute winter, 420 minute analysis at 4 minute timestep, Mass balance: 95.72%

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)
180 minute winter	1	80	9.800	0.500	5.7	0.0000	0.0000	FLOOD RISK	1.000	2	-5.7	-0.431	-0.259	0.4853	
180 minute winter	2	80	9.800	0.550	19.2	0.0000	0.0000	FLOOD RISK	1.001	3	-19.2	-0.639	-0.984	1.1284	
180 minute winter	3	80	9.800	0.650	21.5	0.0000	0.0000	FLOOD RISK	1.002	4	-21.5	-0.687	-1.017	0.4988	
180 minute winter	4	80	9.800	0.700	22.7	0.0000	0.0000	FLOOD RISK	1.003	5	-22.7	-0.725	-0.957	0.8441	
180 minute winter	5	80	9.800	0.800	24.5	0.0000	0.0000	FLOOD RISK	1.004	6	-24.5	-0.785	-0.957	0.1621	
180 minute winter	6	80	9.800	0.900	40.5	14.1088	0.0000	FLOOD RISK	1.005	7	32.5	0.928	0.671	0.7798	
180 minute winter	7	80	9.800	1.050	63.2	7.4405	0.0000	FLOOD RISK	1.006	8	50.4	0.914	0.718	2.4923	
180 minute winter	8	80	9.800	1.250	86.3	13.5473	0.0000	FLOOD RISK	1.007	9	86.5	0.958	0.800	5.9230	
180 minute winter	9	80	9.800	1.450	148.5	20.5087	0.0000	FLOOD RISK	1.008	10	148.6	0.848	0.618	3.1360	
180 minute winter	10	80	9.800	1.500	157.9	3.7942	0.0000	FLOOD RISK	1.009	11	158.0	0.806	1.059	47.8913	
180 minute winter	11	80	9.800	1.800	158.0	0.0000	0.0000	FLOOD RISK	1.010	12	158.0	0.806	0.549	53.3276	
180 minute winter	12	48	7.750	1.900	158.0	0.0000	0.0000	FLOOD RISK	1.011	13	158.0	1.138	0.895	0.2854	
180 minute winter	13	100	9.819	0.119	158.0	0.0000	0.0000	OK	1.012	13_OUT	158.0	4.448	0.128	0.2128	
180 minute winter	13_OUT	100	7.898	0.384	158.0	0.0000	0.0000	OK	Flow through pond	49	593.8	0.681	0.000	1464.5710	
180 minute winter	14	72	9.800	0.500	9.9	0.0000	0.0000	FLOOD RISK	2.000	15	-9.9	-0.408	-0.329	0.8138	
180 minute winter	15	72	9.800	0.714	31.2	9.1216	0.0000	FLOOD RISK	2.001	16	25.0	0.831	0.515	0.9254	
180 minute winter	16	72	9.800	0.809	25.0	0.0000	0.0000	FLOOD RISK	2.002	17	25.1	0.829	0.509	0.6320	
180 minute winter	17	72	9.800	0.941	37.5	4.1436	0.0000	FLOOD RISK	2.003	18	37.8	0.789	0.483	1.6750	
180 minute winter	18	72	9.800	1.119	58.3	8.3853	0.0000	FLOOD RISK	2.004	19	65.2	0.849	0.542	5.4890	
180 minute winter	19	78	9.800	1.344	121.4	15.1463	0.0000	FLOOD RISK	2.005	20	120.9	0.900	0.613	4.9628	
180 minute winter	20	78	9.800	1.389	120.9	0.0000	0.0000	FLOOD RISK	2.006	21	120.9	1.245	0.611	3.4979	
180 minute winter	21	76	9.800	1.428	120.9	0.0000	0.0000	FLOOD RISK	2.007	22	120.8	1.108	0.293	3.7404	
180 minute winter	22	76	9.800	1.800	155.3	9.0738	0.0000	FLOOD RISK	2.008	23	155.2	0.812	0.539	53.3017	
180 minute winter	23	44	7.750	1.000	155.3	0.0000	0.0000	FLOOD RISK	2.009	24	155.2	1.118	0.790	0.2850	
180 minute winter	24	98	9.618	0.118	155.2	0.0000	0.0000	OK	2.010	24_OUT	155.1	4.425	0.125	0.2099	
180 minute winter	24_OUT	100	7.892	0.359	155.1	0.0000	0.0000	OK	Flow through pond	49	593.8	0.681	0.000	1464.5710	
180 minute winter	25	96	8.838	0.040	2.8	0.0256	0.0000	OK	3.000	26	2.8	0.557	0.158	0.1793	
180 minute winter	26	96	8.494	0.059	5.8	0.1875	0.0000	OK	3.001	27	5.1	0.787	0.322	0.2659	
									Infiltration		0.5				
180 minute winter	27	98	8.178	0.083	7.9	0.2570	0.0000	OK	3.002	28	7.2	1.600	0.359	0.2362	
									Infiltration		0.7				
180 minute winter	28	98	7.761	0.083	10.0	0.1943	0.0000	OK	3.003	29	9.6	1.193	0.406	0.2954	
									Infiltration		0.5				
180 minute winter	29	98	7.141	0.076	12.4	0.1938	0.0000	OK	3.004	30	11.9	1.422	0.430	0.6674	
									Infiltration		0.4				
180 minute winter	30	120	7.619	0.185	12.4	0.9222	0.0000	OK	3.005	31	11.7	0.171	0.095	3.7420	
180 minute winter	31	124	7.619	0.315	12.2	0.9377	0.0000	OK	3.006	32	9.1	0.122	0.095	3.9771	
									Infiltration		1.8				

180 minute winter	32	124	7.609	0.384	9.8	0.0437	0.0000OK	3.007	33	5.8	0.078	0.004	3.3828
								Infiltration		1.4			
								Infiltration		1.8			
180 minute winter	33	124	7.613	0.235	8.1	0.0261	0.0000OK	3.008	34	5.8	0.265	0.004	2.4794
180 minute winter	34	124	7.609	0.284	8.2	0.0317	0.0000OK	3.009	35	4.2	0.193	0.002	2.3797
								Infiltration		1.2			
180 minute winter	35	124	7.619	0.335	4.8	0.0401	0.0000OK	3.010	36	2.8	0.040	0.001	5.6381
								Infiltration		1.0			
180 minute winter	36	120	7.603	0.504	3.1	0.0575	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.7			
180 minute winter	37	112	6.528	0.023	0.5	0.0028	0.0000OK	3.012	38	0.5	0.034	0.000	2.3329
180 minute winter	38	112	6.528	0.263	3.4	0.0318	0.0000OK	3.013	39	-2.4	-0.075	-0.002	1.7092
								Infiltration		1.1			
								Infiltration		1.5			
180 minute winter	39	112	6.528	0.073	2.7	0.0068	0.0000OK	3.014	40	-2.2	-0.236	-0.001	0.3330
								Infiltration		0.2			
180 minute winter	40	100	6.711	0.018	2.3	0.0019	0.0000OK	3.015	41	-1.8	-0.218	-0.001	0.1053
								Infiltration		0.0			
180 minute winter	41	100	6.883	0.015	1.8	0.0018	0.0000OK	3.016	42	-1.3	-0.185	-0.001	0.0882
								Infiltration		0.0			
180 minute winter	42	98	7.698	0.011	1.3	0.0014	0.0000OK	3.017	43	-0.8	-0.121	-0.001	0.0859
								Infiltration		0.0			
180 minute winter	43	99	7.158	0.014	0.8	0.0017	0.0000OK	3.018	44	-0.3	-0.058	0.000	0.5671
								Infiltration		0.0			
180 minute winter	44	100	7.232	0.007	0.5	0.0008	0.0000OK	3.019	45	0.2	0.043	0.000	0.9543
180 minute winter	45	100	7.208	0.011	0.7	0.0013	0.0000OK	3.020	46	0.7	0.112	0.000	0.0778
								Infiltration		0.0			
180 minute winter	46	100	7.137	0.012	1.2	0.0015	0.0000OK	3.021	47	1.1	0.185	0.000	0.6875
								Infiltration		0.0			
180 minute winter	47	104	6.983	0.015	1.6	0.0018	0.0000OK	3.022	48	1.6	0.114	0.001	0.7232
								Infiltration		0.0			
180 minute winter	48	140	6.948	0.151	2.1	0.0181	0.0000OK	3.023	49	1.9	0.129	0.002	1.4023
								Infiltration		0.2			
180 minute winter	49	292	7.886	-0.314	825.5	0.5000	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	140	6.948	0.151	2.4	0.0193	0.0000OK	3.024	54	1.9	0.117	0.001	2.5809
								Infiltration		0.2			
180 minute winter	54	140	6.948	0.321	2.3	0.0365	0.0000OK	3.025	54_OUT	0.0	0.037	0.000	5.9643
								Infiltration		0.3			
180 minute winter	54_OUT	140	6.948	0.441	1.2	0.0529	0.0000OK	Infiltration		0.4			

180 minute winter	55	140	8.494	0.048	1.5	0.0182	0.0000OK	5.000	56	1.5	0.321	0.293	0.1185
180 minute winter	56	140	8.493	0.077	3.0	0.3030	0.0000OK	5.001	57	2.8	0.397	0.234	0.2815
								Infiltration		0.2			
180 minute winter	57	140	8.493	0.183	4.3	0.7962	0.0000SURFCHARGED	5.002	58	3.4	0.372	0.423	0.5462
								Infiltration		0.3			
180 minute winter	58	140	8.492	0.247	4.8	1.9198	0.0000SURFCHARGED	5.003	59	3.6	0.331	0.485	0.3806
								Infiltration		0.5			
180 minute winter	59	140	8.492	0.287	5.1	1.7572	0.0000OK	5.004	60	3.0	0.674	0.004	8.2021
								Infiltration		0.4			
180 minute winter	60	140	8.492	0.307	4.5	0.1044	0.0000OK	5.005	61	1.0	0.048	0.091	12.5555
								Infiltration		0.5			
180 minute winter	61	140	8.492	0.368	2.5	0.1211	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.7			
180 minute winter	62	98	8.153	0.019	1.5	0.0604	0.0000OK	5.007	63	1.5	0.684	0.001	7.1723
180 minute winter	63	144	8.114	0.278	3.3	0.0944	0.0000OK	5.008	63_OUT	0.5	0.026	0.000	6.3151
								Infiltration		0.6			
180 minute winter	63_OUT	144	8.114	0.349	1.5	0.1185	0.0000OK	Infiltration		0.4			
180 minute winter	64	148	8.441	0.258	0.7	0.0409	0.0000OK	6.000	65	0.3	0.044	0.000	2.3547
180 minute winter	65	148	8.441	0.316	1.1	0.0508	0.0000OK	6.001	66	0.2	0.050	0.000	3.3279
								Infiltration		0.2			
180 minute winter	66	148	8.441	0.348	1.0	0.0556	0.0000OK	6.002	67	-0.3	0.023	0.000	1.9380
								Infiltration		0.2			
180 minute winter	67	148	8.441	0.365	0.7	0.0508	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
180 minute winter	68	144	8.105	0.029	0.7	0.0045	0.0000OK	6.004	69	0.7	0.037	0.000	4.2515
180 minute winter	69	144	8.105	0.340	1.4	0.0544	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
180 minute winter	70	148	5.920	0.165	0.7	0.0265	0.0000OK	6.006	71	0.5	0.042	0.000	1.3018
180 minute winter	71	148	5.920	0.235	1.3	0.0377	0.0000OK	6.007	72	0.3	0.011	0.000	4.2579
								Infiltration		0.1			
180 minute winter	72	148	5.920	0.235	1.0	0.0377	0.0000OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
180 minute winter	73	176	6.094	0.389	0.7	0.0623	0.0000OK	6.009	74	0.3	0.018	0.000	2.6792
180 minute winter	74	176	6.094	0.389	1.0	0.0623	0.0000OK	6.010	75	0.2	0.043	0.000	2.3442
								Infiltration		0.1			
180 minute winter	75	176	6.094	0.389	0.6	0.0623	0.0000OK	6.011	76	0.3	0.034	0.000	2.5448
								Infiltration		0.1			
180 minute winter	76	176	6.094	0.459	0.9	0.0698	0.0000OK	6.012	76_OUT	-0.2	-0.007	0.000	2.5708
								Infiltration		0.1			
180 minute winter	76_OUT	176	6.094	0.459	0.7	0.0735	0.0000OK	Infiltration		0.1			

Results for 30 year 240 minute summer, 480 minute analysis at 4 minute timestep, Mass balance: 95.63%

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	112	9.890	0.500	8.2	0.0000	0.0000	FLOOD RISK	1.000	2	-6.2	-0.198	-0.282	0.4853	
240 minute summer	2	112	9.800	0.550	11.7	0.0000	0.0000	FLOOD RISK	1.001	3	-11.7	-0.373	-0.587	1.1264	
240 minute summer	3	112	9.800	0.850	17.1	0.0000	0.0000	FLOOD RISK	1.002	4	-17.1	-0.545	-0.867	0.4980	
240 minute summer	4	112	9.800	0.700	20.8	0.0000	0.0000	FLOOD RISK	1.003	5	-20.8	-0.684	-0.903	0.8441	
240 minute summer	5	112	9.890	0.800	22.8	0.0000	0.0000	FLOOD RISK	1.004	6	-22.8	-0.729	-0.610	0.1621	
240 minute summer	6	112	9.800	0.900	38.0	14.5820	0.0000	FLOOD RISK	1.005	7	34.4	0.880	0.710	0.7798	
240 minute summer	7	112	9.800	1.050	51.0	7.8848	0.0000	FLOOD RISK	1.006	8	52.8	0.863	0.751	2.4923	
240 minute summer	8	112	9.890	1.250	88.7	13.9161	0.0000	FLOOD RISK	1.007	9	89.0	0.852	0.823	5.9230	
240 minute summer	9	112	9.800	1.450	151.5	21.0504	0.0000	FLOOD RISK	1.008	10	151.0	0.779	0.637	3.1360	
240 minute summer	10	112	9.800	1.590	162.8	3.8316	0.0000	FLOOD RISK	1.009	11	162.8	0.833	1.162	47.8813	
240 minute summer	11	112	9.800	1.800	162.8	0.0000	0.0000	FLOOD RISK	1.010	12	162.8	0.832	0.585	53.3278	
240 minute summer	12	64	7.750	1.000	162.8	0.0000	0.0000	FLOOD RISK	1.011	13	162.8	1.187	0.829	0.2863	
240 minute summer	13	128	9.821	0.121	162.8	0.0000	0.0000	OK	1.012	13_OUT	162.8	4.488	0.132	0.2174	
240 minute summer	13_OUT	128	7.902	0.369	162.8	0.0000	0.0000	OK	Flow through pond	49	452.9	0.068	0.000	1382.3798	
240 minute summer	14	108	9.890	0.500	1.7	0.0000	0.0000	FLOOD RISK	2.000	15	-1.7	-0.053	-0.055	0.8135	
240 minute summer	15	108	9.890	0.714	27.2	3.5624	0.0000	FLOOD RISK	2.001	16	26.3	0.745	0.542	0.9254	
240 minute summer	16	108	9.800	0.809	28.3	0.0000	0.0000	FLOOD RISK	2.002	17	26.6	0.742	0.539	0.6320	
240 minute summer	17	108	9.800	0.941	39.5	4.2945	0.0000	FLOOD RISK	2.003	18	39.8	0.709	0.510	1.8750	
240 minute summer	18	108	9.890	1.119	71.3	9.6708	0.0000	FLOOD RISK	2.004	19	72.0	0.733	0.572	5.4893	
240 minute summer	19	108	9.800	1.344	128.3	15.5175	0.0000	FLOOD RISK	2.005	20	127.2	0.805	0.645	4.0528	
240 minute summer	20	108	9.800	1.389	127.2	0.0000	0.0000	FLOOD RISK	2.006	21	127.3	1.119	0.644	3.4979	
240 minute summer	21	112	9.800	1.428	127.3	0.0000	0.0000	FLOOD RISK	2.007	22	127.4	0.987	0.214	3.7404	
240 minute summer	22	112	9.890	1.800	182.4	9.2313	0.0000	FLOOD RISK	2.008	23	182.9	0.833	0.565	53.3017	
240 minute summer	23	60	7.750	1.000	182.9	0.0000	0.0000	FLOOD RISK	2.009	24	182.9	1.187	0.829	0.2865	
240 minute summer	24	128	9.821	0.121	182.9	0.0000	0.0000	OK	2.010	24_OUT	182.9	4.488	0.132	0.2172	
240 minute summer	24_OUT	128	7.903	0.369	182.9	0.0000	0.0000	OK	Flow through pond	49	452.9	0.068	0.000	1382.3798	
240 minute summer	25	124	8.836	0.042	3.1	0.0269	0.0000	OK	3.000	26	3.1	0.573	0.172	0.1813	
240 minute summer	26	124	8.496	0.061	6.2	0.2939	0.0000	OK	3.001	27	5.6	0.784	0.350	0.2824	
									Infiltration		0.5				
240 minute summer	27	124	8.180	0.065	8.7	0.2783	0.0000	OK	3.002	28	7.8	1.029	0.388	0.2495	
									Infiltration		0.7				
240 minute summer	28	124	7.784	0.099	10.9	0.2085	0.0000	OK	3.003	29	10.3	1.182	0.436	0.3126	
									Infiltration		0.5				
240 minute summer	29	124	7.144	0.079	13.4	0.2090	0.0000	OK	3.004	30	12.8	1.444	0.450	0.0602	
									Infiltration		0.4				
240 minute summer	30	148	8.979	0.154	13.4	0.0185	0.0000	OK	3.005	31	12.5	0.167	0.005	3.1572	
240 minute summer	31	148	8.979	0.284	13.1	0.0343	0.0000	OK	3.006	32	9.8	0.102	0.008	3.4829	
									Infiltration		1.7				
240 minute summer	32	148	8.979	0.334	10.4	0.0400	0.0000	OK	3.007	33	8.2	0.076	0.004	2.9330	

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240 minute summer	57	184	8.483	0.153	4.5	0.8141	0.0000SURCHARGE	Infiltration	5.002	58	3.8	0.388	0.473	0.5462
240 minute summer	58	184	8.483	0.218	5.3	1.6328	0.0000SURCHARGE	Infiltration	5.003	59	3.8	0.302	0.587	0.3808
240 minute summer	59	188	8.482	0.257	5.3	1.5488	0.0000OK	Infiltration	5.004	60	3.1	0.081	0.004	7.1089
240 minute summer	60	188	8.482	0.277	4.7	0.0843	0.0000OK	Infiltration	5.005	61	1.0	0.040	0.001	11.0280
240 minute summer	61	188	8.482	0.328	2.6	0.1110	0.0000OK	Infiltration	5.008	62	0.0	0.000	0.000	0.0000
240 minute summer	62	128	8.155	0.018	1.8	0.0065	0.0000OK	Infiltration	5.007	63	1.5	0.055	0.001	5.3417
240 minute summer	63	178	8.089	0.253	3.4	0.0889	0.0000OK	Infiltration	5.008	63_OUT	0.4	0.022	0.000	5.8453
240 minute summer	63_OUT	172	8.089	0.324	1.8	0.1102	0.0000OK	Infiltration	5.009	65	0.3	0.044	0.000	2.0214
240 minute summer	64	188	8.410	0.225	0.8	0.0365	0.0000OK	Infiltration	8.001	66	0.2	0.056	0.000	2.9091
240 minute summer	65	188	8.410	0.285	1.1	0.0458	0.0000OK	Infiltration	5.002	67	-0.3	0.023	0.000	1.7975
240 minute summer	66	188	8.410	0.317	1.1	0.0501	0.0000OK	Infiltration	8.003	68	0.0	0.000	0.000	0.0000
240 minute summer	67	188	8.410	0.334	0.8	0.0518	0.0000OK	Infiltration	8.004	69	0.8	0.037	0.000	3.8881
240 minute summer	68	184	8.089	0.013	0.8	0.0025	0.0000OK	Infiltration	8.005	70	0.0	0.000	0.000	0.0000
240 minute summer	69	184	8.089	0.324	1.6	0.0518	0.0000OK	Infiltration	8.006	71	0.5	0.042	0.000	1.1098
240 minute summer	70	188	5.897	0.142	0.8	0.0227	0.0000OK	Infiltration	8.007	72	0.2	0.011	0.000	3.7022
240 minute summer	71	188	5.897	0.212	1.3	0.0338	0.0000OK	Infiltration	8.008	73	0.0	0.000	0.000	0.0000
240 minute summer	72	188	5.897	0.212	1.0	0.0338	0.0000OK	Infiltration	8.009	74	0.3	0.018	0.000	1.8373
240 minute summer	73	240	8.083	0.358	0.8	0.0573	0.0000OK	Infiltration	8.010	75	0.2	0.043	0.000	2.0511
240 minute summer	74	240	8.083	0.358	1.1	0.0573	0.0000OK	Infiltration	8.011	76	0.3	0.034	0.000	2.2794
240 minute summer	75	240	8.083	0.358	1.0	0.0573	0.0000OK	Infiltration	8.012	76_OUT	-0.2	-0.007	0.000	2.4688
240 minute summer	76	240	8.083	0.428	1.0	0.0685	0.0000OK	Infiltration	8.011	78	0.1			
240 minute summer	77	240	8.083	0.428	0.8	0.0685	0.0000OK	Infiltration	8.011	79	0.1			

Results for 30 year 240 minute winter, 480 minute analysis at 4 minute timestep, Mass balance: 95.92%

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	100	9.800	0.500	0.8	0.0000	0.0000	FLOOD RISK	1.000	2	-0.5	-0.028	-0.028	0.4853	
240 minute winter	2	100	9.800	0.550	4.0	0.0000	0.0000	FLOOD RISK	1.001	3	-4.0	-0.208	-0.203	1.1284	
240 minute winter	3	100	9.800	0.650	15.1	0.0000	0.0000	FLOOD RISK	1.002	4	-15.1	-0.481	-0.712	0.4986	
240 minute winter	4	100	9.800	0.700	18.9	0.0000	0.0000	FLOOD RISK	1.003	5	-18.9	-0.803	-0.819	0.8441	
240 minute winter	5	100	9.800	0.800	21.2	0.0000	0.0000	FLOOD RISK	1.004	6	-21.2	-0.879	-0.568	0.1621	
240 minute winter	6	100	9.800	0.900	39.2	11.5829	0.0000	FLOOD RISK	1.005	7	39.3	0.885	0.544	0.7796	
240 minute winter	7	100	9.800	1.050	48.9	8.2419	0.0000	FLOOD RISK	1.006	8	41.3	0.849	0.588	2.4923	
240 minute winter	8	100	9.800	1.250	76.9	11.8479	0.0000	FLOOD RISK	1.007	9	71.0	0.855	0.656	5.9230	
240 minute winter	9	100	9.800	1.450	126.5	18.0256	0.0000	FLOOD RISK	1.008	10	129.3	0.802	0.507	3.1360	
240 minute winter	10	100	9.800	1.500	129.7	3.3520	0.0000	FLOOD RISK	1.009	11	129.7	0.699	0.878	47.8613	
240 minute winter	11	168	9.800	1.800	129.7	0.0000	0.0000	FLOOD RISK	1.010	12	129.7	0.744	0.450	53.3276	
240 minute winter	12	80	7.750	1.900	129.7	0.0000	0.0000	FLOOD RISK	1.011	13	129.8	0.950	0.880	0.2798	
240 minute winter	13	128	9.800	0.108	129.8	0.0000	0.0000	OK	1.012	13_OUT	129.8	4.201	0.105	0.1849	
240 minute winter	13_OUT	132	7.854	0.320	129.8	0.0000	0.0000	OK	Flow through pond	49	482.2	0.071	0.000	1586.8349	
240 minute winter	14	100	9.800	0.500	0.5	0.0000	0.0000	FLOOD RISK	2.000	15	-0.5	-0.017	-0.018	0.8136	
240 minute winter	15	100	9.800	0.714	39.2	7.5746	0.0000	FLOOD RISK	2.001	16	39.1	0.754	0.414	0.9254	
240 minute winter	16	100	9.800	0.809	23.4	0.0000	0.0000	FLOOD RISK	2.002	17	20.1	0.753	0.409	0.6320	
240 minute winter	17	104	9.800	0.941	36.4	3.5805	0.0000	FLOOD RISK	2.003	18	36.4	0.752	0.389	1.6750	
240 minute winter	18	104	9.800	1.119	55.3	8.2882	0.0000	FLOOD RISK	2.004	19	55.3	0.780	0.440	5.4890	
240 minute winter	19	104	9.800	1.344	98.0	13.8893	0.0000	FLOOD RISK	2.005	20	98.2	0.829	0.498	4.0626	
240 minute winter	20	104	9.800	1.389	98.2	0.0000	0.0000	FLOOD RISK	2.006	21	98.2	1.157	0.498	3.4979	
240 minute winter	21	104	9.800	1.428	98.2	0.0000	0.0000	FLOOD RISK	2.007	22	98.2	1.013	0.185	3.7404	
240 minute winter	22	104	9.800	1.800	125.7	8.4416	0.0000	FLOOD RISK	2.008	23	125.8	0.784	0.437	53.3017	
240 minute winter	23	52	7.750	1.000	125.8	0.0000	0.0000	FLOOD RISK	2.009	24	125.8	0.924	0.641	0.2790	
240 minute winter	24	128	9.800	0.108	125.8	0.0000	0.0000	OK	2.010	24_OUT	125.8	4.165	0.102	0.1808	
240 minute winter	24_OUT	128	7.847	0.314	125.8	0.0000	0.0000	OK	Flow through pond	49	482.2	0.071	0.000	1586.8349	
240 minute winter	25	124	8.832	0.036	2.3	0.0232	0.0000	OK	3.000	26	2.3	0.539	0.128	0.1550	
240 minute winter	26	128	8.486	0.063	4.8	0.1547	0.0000	OK	3.001	27	4.2	0.729	0.283	0.2287	
240 minute winter	27							Infiltration			0.4				
240 minute winter	27	128	8.171	0.056	6.5	0.2093	0.0000	OK	3.002	28	5.9	0.948	0.392	0.2029	
240 minute winter	28							Infiltration			0.6				
240 minute winter	28	128	7.754	0.059	8.2	0.1596	0.0000	OK	3.003	29	7.8	1.108	0.331	0.2527	
240 minute winter	29							Infiltration			0.4				
240 minute winter	29	128	7.132	0.067	10.1	0.1583	0.0000	OK	3.004	30	9.7	1.358	0.350	0.6488	
240 minute winter	30							Infiltration			0.4				
240 minute winter	30	156	6.978	0.151	10.1	0.0181	0.0000	OK	3.005	31	9.9	0.159	0.004	3.1060	
240 minute winter	31	156	6.978	0.281	10.0	0.0337	0.0000	OK	3.006	32	7.5	0.107	0.004	3.4389	
240 minute winter								Infiltration			1.7				

240 minute winter	32	156	6.978	0.331	7.8	0.0387	0.0000OK	3.007	33	4.5	0.083	0.000	2.8826
								Infiltration		1.3			
								Infiltration		1.5			
240 minute winter	33	158	6.978	0.201	4.6	0.0241	0.0000OK	3.008	34	4.5	0.186	0.000	2.0450
240 minute winter	34	158	6.978	0.231	4.8	0.0277	0.0000OK	3.009	35	3.5	0.187	0.001	2.0159
								Infiltration		1.1			
240 minute winter	35	158	6.978	0.301	3.8	0.0301	0.0000OK	3.010	36	1.9	0.038	0.001	4.4722
								Infiltration		0.9			
240 minute winter	36	158	6.978	0.471	2.2	0.0537	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.9			
240 minute winter	37	128	6.512	0.007	0.4	0.0008	0.0000OK	3.012	38	0.4	0.034	0.000	2.0001
240 minute winter	38	144	6.507	0.242	2.9	0.0296	0.0000OK	3.013	39	-2.1	-0.075	-0.001	1.4870
								Infiltration		1.0			
								Infiltration		1.4			
240 minute winter	39	144	6.507	0.052	2.2	0.0092	0.0000OK	3.014	40	-1.6	-0.224	-0.001	0.2430
								Infiltration		0.1			
240 minute winter	40	124	6.708	0.014	1.8	0.0017	0.0000OK	3.015	41	-1.4	-0.200	-0.001	0.6918
								Infiltration		0.0			
240 minute winter	41	124	6.878	0.013	1.4	0.0016	0.0000OK	3.016	42	-1.0	-0.168	-0.001	0.9793
								Infiltration		0.0			
240 minute winter	42	124	7.695	0.010	1.0	0.0012	0.0000OK	3.017	43	-0.6	-0.111	0.000	0.9746
								Infiltration		0.0			
240 minute winter	43	120	7.157	0.012	0.8	0.0015	0.0000OK	3.018	44	-0.2	-0.054	0.000	0.6685
								Infiltration		0.0			
240 minute winter	44	124	7.231	0.006	0.4	0.0007	0.0000OK	3.019	45	0.2	0.038	0.000	0.9473
240 minute winter	45	128	7.205	0.010	0.6	0.0012	0.0000OK	3.020	46	0.5	0.103	0.000	0.9978
								Infiltration		0.0			
240 minute winter	46	132	7.136	0.011	0.9	0.0013	0.0000OK	3.021	47	0.9	0.151	0.000	0.6848
								Infiltration		0.0			
240 minute winter	47	132	6.978	0.013	1.3	0.0016	0.0000OK	3.022	48	1.3	0.102	0.000	0.7092
								Infiltration		0.0			
240 minute winter	48	176	6.943	0.148	1.7	0.0176	0.0000OK	3.023	49	1.4	0.107	0.000	1.3754
								Infiltration		0.2			
240 minute winter	49	480	7.898	-0.302	506.3	0.0000	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	176	6.943	0.158	1.8	0.0190	0.0000OK	3.024	54	1.5	0.117	0.000	2.5677
								Infiltration		0.2			
240 minute winter	54	176	6.943	0.318	1.0	0.0362	0.0000OK	3.025	54_OUT	0.7	0.037	0.000	5.9158
								Infiltration		0.3			
240 minute winter	54_OUT	176	6.943	0.438	1.0	0.0528	0.0000OK	Infiltration		0.4			

240 minute winter	55	176	8.487	0.041	1.2	0.0146	0.0000OK	5.000	56	1.2	0.303	0.180	0.1037
240 minute winter	56	176	8.485	0.070	2.4	0.2722	0.0000OK	5.001	57	2.2	0.378	0.178	0.2709
								Infiltration		0.2			
240 minute winter	57	176	8.488	0.176	3.4	0.7572	0.0000SURFCHARGED	5.002	58	2.9	0.351	0.357	0.5462
								Infiltration		0.3			
240 minute winter	58	176	8.486	0.241	4.1	1.8548	0.0000SURFCHARGED	5.003	59	2.9	0.318	0.393	0.3806
								Infiltration		0.5			
240 minute winter	59	176	8.485	0.250	4.1	1.7106	0.0000OK	5.004	60	2.4	0.661	0.003	7.9504
								Infiltration		0.4			
240 minute winter	60	176	8.485	0.300	3.6	0.1021	0.0000OK	5.005	61	0.8	0.042	0.001	12.2043
								Infiltration		0.5			
240 minute winter	61	176	8.485	0.349	2.0	0.1188	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.7			
240 minute winter	62	132	8.152	0.016	1.2	0.0656	0.0000OK	5.007	63	1.2	0.656	0.001	7.0992
240 minute winter	63	160	8.111	0.275	2.6	0.0936	0.0000OK	5.008	63_OUT	0.4	0.024	0.000	6.2557
								Infiltration		0.5			
240 minute winter	63_OUT	180	8.111	0.348	1.2	0.1178	0.0000OK	Infiltration		0.4			
240 minute winter	64	184	6.442	0.257	0.8	0.0411	0.0000OK	6.000	65	0.3	0.044	0.000	2.3644
240 minute winter	65	184	6.442	0.317	0.9	0.0507	0.0000OK	6.001	66	0.2	0.050	0.000	3.3399
								Infiltration		0.2			
240 minute winter	66	184	6.442	0.349	0.9	0.0551	0.0000OK	6.002	67	-0.3	0.023	0.000	1.9446
								Infiltration		0.2			
240 minute winter	67	184	6.442	0.366	0.8	0.0507	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
240 minute winter	68	160	6.105	0.029	0.6	0.0045	0.0000OK	6.004	69	0.6	0.037	0.000	4.2604
240 minute winter	69	160	6.105	0.340	1.2	0.0544	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
240 minute winter	70	184	5.918	0.163	0.8	0.0261	0.0000OK	6.006	71	0.4	0.042	0.000	1.2842
240 minute winter	71	184	5.918	0.233	1.0	0.0373	0.0000OK	6.007	72	0.2	0.011	0.000	4.2071
								Infiltration		0.1			
240 minute winter	72	184	5.918	0.233	0.8	0.0373	0.0000OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
240 minute winter	73	236	6.098	0.394	0.8	0.0636	0.0000OK	6.009	74	0.3	0.018	0.000	2.1073
240 minute winter	74	236	6.098	0.394	0.9	0.0636	0.0000OK	6.010	75	0.2	0.043	0.000	2.3883
								Infiltration		0.1			
240 minute winter	75	236	6.098	0.394	0.8	0.0636	0.0000OK	6.011	76	0.3	0.034	0.000	2.5872
								Infiltration		0.1			
240 minute winter	76	236	6.098	0.464	0.8	0.0705	0.0000OK	6.012	76_OUT	-0.1	-0.007	0.000	2.7123
								Infiltration		0.1			
240 minute winter	76_OUT	236	6.098	0.464	0.8	0.0742	0.0000OK	Infiltration		0.1			

Results for 30 year 360 minute summer, 600 minute analysis at 8 minute timestep, Mass balance: 95.99%

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	150	9.890	0.500	0.4	0.0003	0.0000	FLOOD RISK	1.000	2	-0.4	-0.012	-0.017	0.4853	
360 minute summer	2	150	9.800	0.550	0.7	0.0000	0.0000	FLOOD RISK	1.001	3	0.7	0.023	0.038	1.1264	
360 minute summer	3	150	9.800	0.550	11.2	0.0000	0.0000	FLOOD RISK	1.002	4	-11.2	-0.505	-0.528	0.4980	
360 minute summer	4	150	9.800	0.700	12.8	0.0000	0.0000	FLOOD RISK	1.003	5	-12.8	-0.411	-0.557	0.8441	
360 minute summer	5	150	9.890	0.800	14.6	0.0000	0.0000	FLOOD RISK	1.004	6	-14.6	-0.487	-0.391	0.1621	
360 minute summer	6	150	9.800	0.900	26.5	10.9242	0.0000	FLOOD RISK	1.005	7	26.5	0.779	0.630	0.7798	
360 minute summer	7	150	9.800	1.050	38.9	5.9207	0.0000	FLOOD RISK	1.006	8	38.9	0.753	0.586	2.4923	
360 minute summer	8	158	9.890	1.250	68.5	11.1578	0.0000	FLOOD RISK	1.007	9	67.7	0.743	0.625	5.9233	
360 minute summer	9	160	9.800	1.450	114.7	17.3972	0.0000	FLOOD RISK	1.008	10	113.0	0.679	0.477	3.1360	
360 minute summer	10	160	9.800	1.590	121.3	3.2405	0.0000	FLOOD RISK	1.009	11	121.3	0.621	0.822	47.8813	
360 minute summer	11	176	9.800	1.800	121.5	0.0000	0.0000	FLOOD RISK	1.010	12	121.6	0.644	0.422	53.3278	
360 minute summer	12	88	7.750	1.000	121.6	0.0000	0.0000	FLOOD RISK	1.011	13	121.7	0.897	0.620	0.2779	
360 minute summer	13	192	9.804	0.104	121.7	0.0000	0.0000	OK	1.012	13_CUT	121.7	4.124	0.098	0.1788	
360 minute summer	13_CUT	192	7.641	0.306	121.7	0.0000	0.0000	OK	Flow through pond	49	288.4	0.047	0.000	1527.7173	
360 minute summer	14	168	9.890	0.500	0.8	0.0000	0.0000	FLOOD RISK	2.000	15	-0.8	-0.024	-0.025	0.8135	
360 minute summer	15	168	9.890	0.714	20.2	7.3238	0.0000	FLOOD RISK	2.001	16	19.2	0.638	0.397	0.9254	
360 minute summer	16	176	9.800	0.809	19.2	0.0000	0.0000	FLOOD RISK	2.002	17	19.4	0.638	0.394	0.6320	
360 minute summer	17	176	9.800	0.941	28.4	3.4975	0.0000	FLOOD RISK	2.003	18	28.0	0.641	0.371	1.8756	
360 minute summer	18	176	9.890	1.119	53.0	8.1319	0.0000	FLOOD RISK	2.004	19	51.8	0.657	0.411	5.4893	
360 minute summer	19	176	9.800	1.344	93.0	13.4577	0.0000	FLOOD RISK	2.005	20	93.4	0.670	0.474	4.0528	
360 minute summer	20	176	9.800	1.389	93.4	0.0000	0.0000	FLOOD RISK	2.006	21	93.2	0.941	0.471	3.4979	
360 minute summer	21	176	9.800	1.428	93.2	0.0000	0.0000	FLOOD RISK	2.007	22	93.1	0.887	0.158	3.7404	
360 minute summer	22	176	9.890	1.800	120.9	8.3533	0.0000	FLOOD RISK	2.008	23	120.2	0.737	0.417	53.3017	
360 minute summer	23	80	7.750	1.000	120.2	0.0000	0.0000	FLOOD RISK	2.009	24	120.2	0.887	0.612	0.2779	
360 minute summer	24	184	9.504	0.104	120.2	0.0000	0.0000	OK	2.010	24_CUT	120.1	4.107	0.097	0.1751	
360 minute summer	24_CUT	184	7.636	0.303	120.1	0.0000	0.0000	OK	Flow through pond	49	286.4	0.047	0.000	1527.7173	
360 minute summer	25	184	8.832	0.608	2.3	0.0231	0.0000	OK	3.000	26	2.3	0.530	0.127	0.1634	
360 minute summer	26	184	8.487	0.052	4.8	0.1519	0.0000	OK	3.001	27	4.1	0.728	0.257	0.2248	
									Infiltration		0.4				
360 minute summer	27	184	8.170	0.055	6.4	0.2032	0.0000	OK	3.002	28	5.7	0.940	0.283	0.1982	
									Infiltration		0.6				
360 minute summer	28	184	7.753	0.058	8.0	0.1545	0.0000	OK	3.003	29	7.5	1.098	0.319	0.2461	
									Infiltration		0.4				
360 minute summer	29	184	7.131	0.068	9.6	0.1509	0.0000	OK	3.004	30	9.4	1.344	0.338	0.0475	
									Infiltration		0.3				
360 minute summer	30	208	8.931	0.106	9.8	0.0125	0.0000	OK	3.005	31	9.3	0.147	0.004	2.3288	
360 minute summer	31	208	8.931	0.238	9.7	0.0283	0.0000	OK	3.006	32	7.3	0.073	0.004	2.7719	
									Infiltration		1.6				
360 minute summer	32	208	8.931	0.286	7.7	0.0343	0.0000	OK	3.007	33	4.4	0.555	0.093	2.2747	

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360 minute summer	57	232	8.452	0.142	3.4	0.5482	0.0000OK	Infiltration	0.2				
360 minute summer	58	240	8.452	0.267	4.0	1.5314	0.0000SURCHARGE	Infiltration	6.3				
360 minute summer	59	240	8.452	0.247	4.0	1.4768	0.0000OK	Infiltration	0.5				
360 minute summer	60	240	8.452	0.287	3.5	0.0908	0.0000OK	Infiltration	0.4				
360 minute summer	61	240	8.452	0.318	2.0	0.1074	0.0000OK	Infiltration	0.5				
360 minute summer	62	184	8.152	0.018	1.2	0.0055	0.0000OK	Infiltration	0.7				
360 minute summer	63	240	8.084	0.248	2.5	0.0844	0.0000OK	Infiltration	1.2	0.043	0.001	5.1894	
360 minute summer	63_OUT							Infiltration	0.2	0.019	0.000	5.5240	
360 minute summer	64	240	8.414	0.229	0.8	0.0395	0.0000OK	Infiltration	0.5				
360 minute summer	65	240	8.414	0.288	0.9	0.0482	0.0000OK	Infiltration	0.4				
360 minute summer	66	240	8.414	0.321	0.8	0.0507	0.0000OK	Infiltration	0.2	0.046	0.000	2.0574	
360 minute summer	67	240	8.414	0.338	0.6	0.0523	0.0000OK	Infiltration	0.2	0.042	0.000	2.9547	
360 minute summer	68	232	8.090	0.014	0.8	0.0021	0.0000OK	Infiltration	0.1				
360 minute summer	69	232	8.090	0.025	1.2	0.0519	0.0000OK	Infiltration	0.1				
360 minute summer	70	240	5.893	0.138	0.8	0.0221	0.0000OK	Infiltration	0.3				
360 minute summer	71	240	5.893	0.208	1.0	0.0333	0.0000OK	Infiltration	0.4	0.050	0.000	1.0844	
360 minute summer	72	240	5.893	0.268	0.8	0.0333	0.0000OK	Infiltration	0.2	0.011	0.000	3.6297	
360 minute summer	73	344	8.074	0.369	0.8	0.0590	0.0000OK	Infiltration	0.1				
360 minute summer	74	344	8.074	0.369	0.9	0.0590	0.0000OK	Infiltration	0.3	0.018	0.000	1.9179	
360 minute summer	75	344	8.074	0.369	0.8	0.0590	0.0000OK	Infiltration	0.2	0.043	0.000	2.1718	
360 minute summer	76	344	8.074	0.439	0.8	0.0667	0.0000OK	Infiltration	0.1				
360 minute summer	76_OUT							Infiltration	0.3	0.034	0.000	2.3708	
360 minute summer	77	344	8.074	0.438	0.8	0.0702	0.0000OK	Infiltration	0.1	0.012	0.000	2.4890	
360 minute summer	78_OUT							Infiltration	0.1				

Results for 30 year 360 minute winter. 600 minute analysis at 6 minute timestep. Mass balance: 98.31%

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	160	9.800	0.500	0.5	0.0000	0.0000	FLOOD RISK	1.000	2	-0.5	-0.017	-0.024	0.4853	
360 minute winter	2	152	9.800	0.550	0.5	0.0000	0.0000	FLOOD RISK	1.001	3	0.7	0.023	0.030	1.1284	
360 minute winter	3	152	9.800	0.650	9.5	0.0000	0.0000	FLOOD RISK	1.002	4	-8.5	-0.491	-0.448	0.4980	
360 minute winter	4	160	9.800	0.700	11.0	0.0000	0.0000	FLOOD RISK	1.003	5	-11.0	-0.355	-0.477	0.8441	
360 minute winter	5	152	9.800	0.800	12.9	0.0000	0.0000	FLOOD RISK	1.004	6	-12.9	-0.411	-0.344	0.1621	
360 minute winter	6	152	9.800	0.900	24.3	0.0000	0.0000	FLOOD RISK	1.005	7	19.2	0.783	0.396	0.7796	
360 minute winter	7	160	9.800	1.050	30.0	4.9808	0.0000	FLOOD RISK	1.006	8	30.1	0.783	0.429	2.4923	
360 minute winter	8	160	9.800	1.250	51.8	9.6020	0.0000	FLOOD RISK	1.007	9	52.0	0.762	0.481	5.9230	
360 minute winter	9	160	9.800	1.450	88.2	15.3240	0.0000	FLOOD RISK	1.008	10	88.0	0.690	0.371	3.1360	
360 minute winter	10	160	9.800	1.500	94.7	2.8706	0.0000	FLOOD RISK	1.009	11	94.7	0.600	0.541	47.8613	
360 minute winter	11	184	9.797	1.797	94.7	0.0000	0.0000	FLOOD RISK	1.010	12	94.7	0.655	0.329	53.3276	
360 minute winter	12	80	7.750	1.000	94.7	0.0000	0.0000	FLOOD RISK	1.011	13	94.8	0.714	0.483	0.2721	
360 minute winter	13	192	9.592	0.092	94.8	0.0000	0.0000	OK	1.012	13_OUT	94.8	3.828	0.077	0.1483	
360 minute winter	13_OUT	192	7.799	0.285	94.8	0.0000	0.0000	OK	Flow through pond	49	320.6	0.643	0.000	1754.3154	
360 minute winter	14	178	9.800	0.500	2.2	0.0000	0.0000	FLOOD RISK	2.000	15	-2.2	-0.070	-0.073	0.8130	
360 minute winter	15	178	9.800	0.714	14.7	5.9345	0.0000	FLOOD RISK	2.001	16	14.5	0.681	0.300	0.9254	
360 minute winter	16	176	9.800	0.809	14.5	0.0000	0.0000	FLOOD RISK	2.002	17	14.6	0.681	0.295	0.6320	
360 minute winter	17	179	9.800	0.941	22.0	2.9812	0.0000	FLOOD RISK	2.003	18	22.0	0.605	0.282	1.6750	
360 minute winter	18	184	9.800	1.119	40.3	7.1184	0.0000	FLOOD RISK	2.004	19	40.1	0.681	0.318	5.4890	
360 minute winter	19	184	9.793	1.343	71.6	12.1130	0.0000	FLOOD RISK	2.005	20	71.4	0.732	0.362	4.9620	
360 minute winter	20	184	9.793	1.382	71.4	0.0000	0.0000	FLOOD RISK	2.006	21	71.3	1.027	0.361	3.4979	
360 minute winter	21	184	9.788	1.416	71.3	0.0000	0.0000	FLOOD RISK	2.007	22	71.3	0.891	0.120	3.7404	
360 minute winter	22	184	9.783	1.783	91.8	7.7448	0.0000	FLOOD RISK	2.008	23	91.5	0.619	0.318	53.3017	
360 minute winter	23	72	7.750	1.000	91.5	0.0000	0.0000	FLOOD RISK	2.009	24	91.5	0.691	0.486	0.2715	
360 minute winter	24	184	9.591	0.091	91.5	0.0000	0.0000	OK	2.010	24_OUT	91.5	3.789	0.074	0.1446	
360 minute winter	24_OUT	192	7.792	0.258	91.5	0.0000	0.0000	OK	Flow through pond	49	320.6	0.643	0.000	1754.3154	
360 minute winter	25	184	8.827	0.031	1.7	0.0199	0.0000	OK	3.000	26	1.7	0.489	0.094	0.1233	
360 minute winter	26	184	8.479	0.944	3.4	0.1150	0.0000	OK	3.001	27	3.0	0.670	0.190	0.1798	
									Infiltration		0.4				
360 minute winter	27	184	8.162	0.047	4.7	0.1517	0.0000	OK	3.002	28	4.2	0.865	0.209	0.1587	
									Infiltration		0.5				
360 minute winter	28	184	7.745	0.050	5.9	0.1173	0.0000	OK	3.003	29	5.6	1.015	0.236	0.1982	
									Infiltration		0.3				
360 minute winter	29	184	7.125	0.055	7.3	0.1128	0.0000	OK	3.004	30	7.0	1.248	0.251	0.5079	
									Infiltration		0.3				
360 minute winter	30	216	6.910	0.085	7.3	0.0102	0.0000	OK	3.005	31	7.0	0.139	0.003	1.9842	
360 minute winter	31	216	6.909	0.214	7.3	0.0257	0.0000	OK	3.006	32	5.5	0.095	0.003	2.4710	
									Infiltration		1.4				

360 minute winter	32	216	6.908	0.284	5.8	0.0317	0.0000OK	3.007	33	3.5	0.054	0.000	1.9976
								Infiltration		1.1			
								Infiltration		1.3			
360 minute winter	33	216	6.908	0.134	3.8	0.0161	0.0000OK	3.008	34	3.7	0.158	0.000	1.2827
360 minute winter	34	216	6.908	0.184	4.0	0.0197	0.0000OK	3.009	35	2.6	0.150	0.001	1.3820
								Infiltration		0.9			
360 minute winter	35	216	6.908	0.234	2.9	0.0281	0.0000OK	3.010	36	1.5	0.035	0.000	3.4419
								Infiltration		0.8			
360 minute winter	36	216	6.908	0.404	1.6	0.0461	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.4			
360 minute winter	37	184	6.511	0.008	0.3	0.0007	0.0000OK	3.012	38	0.3	0.040	0.000	1.0199
360 minute winter	38	208	6.471	0.208	2.2	0.0247	0.0000OK	3.013	39	-1.8	-0.088	-0.001	1.0783
								Infiltration		0.9			
								Infiltration		1.2			
360 minute winter	39	208	6.471	0.016	1.6	0.0018	0.0000OK	3.014	40	-1.3	-0.201	-0.001	0.0950
								Infiltration		0.0			
360 minute winter	40	184	6.707	0.012	1.3	0.0014	0.0000OK	3.015	41	-1.0	-0.179	-0.001	0.0785
								Infiltration		0.0			
360 minute winter	41	176	6.878	0.011	1.1	0.0013	0.0000OK	3.016	42	-0.8	-0.151	-0.001	0.0642
								Infiltration		0.0			
360 minute winter	42	176	7.693	0.008	0.8	0.0016	0.0000OK	3.017	43	-0.5	-0.099	0.000	0.0627
								Infiltration		0.0			
360 minute winter	43	176	7.153	0.010	0.5	0.0012	0.0000OK	3.018	44	-0.2	-0.048	0.000	0.0491
								Infiltration		0.0			
360 minute winter	44	176	7.233	0.005	0.3	0.0006	0.0000OK	3.019	45	0.1	0.035	0.000	0.0390
360 minute winter	45	164	7.203	0.008	0.4	0.0016	0.0000OK	3.020	46	0.4	0.092	0.000	0.0567
								Infiltration		0.0			
360 minute winter	46	184	7.134	0.009	0.7	0.0011	0.0000OK	3.021	47	0.7	0.135	0.000	0.0709
								Infiltration		0.0			
360 minute winter	47	184	6.978	0.011	1.0	0.0013	0.0000OK	3.022	48	1.0	0.088	0.000	0.0430
								Infiltration		0.0			
360 minute winter	48	248	6.932	0.137	1.3	0.0194	0.0000OK	3.023	49	0.9	0.099	0.001	1.2510
								Infiltration		0.1			
360 minute winter	49	448	7.716	-0.284	329.3	0.0000	0.0000OK	Crifice	50	0.0			
								Infiltration		0.0			
360 minute winter	50	8	7.403	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	248	6.932	0.147	1.2	0.0178	0.0000OK	3.024	54	1.0	0.117	0.000	2.4038
								Infiltration		0.2			
360 minute winter	54	248	6.932	0.307	1.2	0.0368	0.0000OK	3.025	54_OUT	0.9	0.034	0.000	4.8074
								Infiltration		0.3			
360 minute winter	54_OUT	248	6.932	0.427	0.7	0.0512	0.0000OK	Infiltration		0.4			

360 minute winter	55	184	8.481	0.035	0.8	0.0119	0.0000OK	5.000	56	0.9	0.288	0.122	0.0739
360 minute winter	56	248	8.474	0.058	1.8	0.2155	0.0000OK	5.001	57	1.7	0.348	0.132	0.2521
								Infiltration		0.2			
360 minute winter	57	248	8.474	0.184	2.6	0.8824	0.0000SURFCHARGED	5.002	58	2.1	0.311	0.257	0.5452
								Infiltration		0.3			
360 minute winter	58	248	8.474	0.229	2.9	1.7395	0.0000SURFCHARGED	5.003	59	2.1	0.279	0.277	0.3806
								Infiltration		0.5			
360 minute winter	59	248	8.474	0.269	3.0	1.6276	0.0000OK	5.004	60	1.7	0.660	0.002	7.5118
								Infiltration		0.4			
360 minute winter	60	248	8.474	0.289	2.6	0.0981	0.0000OK	5.005	61	0.7	0.036	0.091	11.5921
								Infiltration		0.5			
360 minute winter	61	248	8.474	0.338	1.8	0.1148	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.7			
360 minute winter	62	192	8.153	0.014	0.9	0.0647	0.0000OK	5.007	63	0.9	0.653	0.000	6.9917
360 minute winter	63	256	8.108	0.272	1.9	0.0926	0.0000OK	5.008	63_OUT	0.4	0.018	0.000	6.1726
								Infiltration		0.5			
360 minute winter	63_OUT	256	8.108	0.343	0.9	0.1188	0.0000OK	Infiltration		0.4			
360 minute winter	64	264	8.440	0.255	0.4	0.0409	0.0000OK	6.000	65	0.2	0.048	0.000	2.3477
360 minute winter	65	264	8.440	0.315	0.6	0.0504	0.0000OK	6.001	66	0.2	0.042	0.000	3.3190
								Infiltration		0.2			
360 minute winter	66	264	8.440	0.347	0.5	0.0549	0.0000OK	6.002	67	-0.1	0.021	0.000	1.9331
								Infiltration		0.2			
360 minute winter	67	264	8.440	0.364	0.4	0.0505	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
360 minute winter	68	256	8.101	0.025	0.4	0.0038	0.0000OK	6.004	69	0.4	0.022	0.000	4.1505
360 minute winter	69	256	8.101	0.339	0.8	0.0537	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
360 minute winter	70	264	5.910	0.155	0.4	0.0248	0.0000OK	6.006	71	0.3	0.050	0.000	1.2189
360 minute winter	71	264	5.910	0.225	0.7	0.0380	0.0000OK	6.007	72	0.2	0.011	0.000	4.9183
								Infiltration		0.1			
360 minute winter	72	264	5.910	0.225	0.5	0.0390	0.0000OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
360 minute winter	73	344	8.104	0.399	0.4	0.0638	0.0000OK	6.009	74	0.2	0.018	0.000	2.1488
360 minute winter	74	344	8.104	0.399	0.8	0.0638	0.0000OK	6.010	75	0.2	0.043	0.000	2.4308
								Infiltration		0.1			
360 minute winter	75	344	8.104	0.399	0.5	0.0638	0.0000OK	6.011	76	0.3	0.034	0.000	2.8320
								Infiltration		0.1			
360 minute winter	76	344	8.104	0.469	0.5	0.0713	0.0000OK	6.012	76_OUT	0.1	0.005	0.000	2.7585
								Infiltration		0.1			
360 minute winter	76_OUT	344	8.104	0.469	0.4	0.0750	0.0000OK	Infiltration		0.1			

Results for 30 year 480 minute summer, 720 minute analysis at 8 minute timestep, Mass balance: 96.23%

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	224	9.890	0.500	4.6	0.0000	0.0000	FLOOD RISK	1.000	2	-4.6	-0.224	-0.209	0.4853	
480 minute summer	2	224	9.800	0.550	9.5	0.0000	0.0000	FLOOD RISK	1.001	3	-9.5	-0.317	-0.479	1.1264	
480 minute summer	3	224	9.800	0.650	11.2	0.0000	0.0000	FLOOD RISK	1.002	4	-11.2	-0.358	-0.530	0.4980	
480 minute summer	4	224	9.800	0.700	12.3	0.0000	0.0000	FLOOD RISK	1.003	5	-12.3	-0.389	-0.528	0.8441	
480 minute summer	5	224	9.890	0.800	13.3	0.0000	0.0000	FLOOD RISK	1.004	6	-13.3	-0.424	-0.354	0.1621	
480 minute summer	6	224	9.800	0.900	22.4	9.3550	0.0000	FLOOD RISK	1.005	7	20.4	0.701	0.421	0.7798	
480 minute summer	7	224	9.800	1.050	31.8	5.1782	0.0000	FLOOD RISK	1.006	8	31.7	0.687	0.451	2.4923	
480 minute summer	8	232	9.890	1.250	55.4	9.9498	0.0000	FLOOD RISK	1.007	9	55.1	0.678	0.510	5.9233	
480 minute summer	9	232	9.800	1.450	94.0	15.7842	0.0000	FLOOD RISK	1.008	10	93.8	0.614	0.385	3.1360	
480 minute summer	10	232	9.800	1.590	101.1	2.9527	0.0000	FLOOD RISK	1.009	11	101.0	0.548	0.684	47.8813	
480 minute summer	11	240	9.800	1.800	101.0	0.0000	0.0000	FLOOD RISK	1.010	12	101.0	0.613	0.351	53.3278	
480 minute summer	12	104	7.750	1.000	101.0	0.0000	0.0000	FLOOD RISK	1.011	13	101.0	0.756	0.514	0.2735	
480 minute summer	13	248	9.585	0.098	101.0	0.0000	0.0000	OK	1.012	13_CUT	101.0	3.901	0.082	0.1550	
480 minute summer	13_CUT	248	7.608	0.273	101.0	0.0000	0.0000	OK	Flow through pond	49	179.2	0.028	0.000	1835.3163	
480 minute summer	14	240	9.890	0.500	0.7	0.0000	0.0000	FLOOD RISK	2.000	15	-0.7	-0.023	-0.024	0.8135	
480 minute summer	15	240	9.890	0.714	15.5	8.2214	0.0000	FLOOD RISK	2.001	16	15.5	0.599	0.321	0.9254	
480 minute summer	16	240	9.800	0.809	15.5	0.0000	0.0000	FLOOD RISK	2.002	17	15.5	0.591	0.315	0.6320	
480 minute summer	17	240	9.800	0.941	23.6	3.0853	0.0000	FLOOD RISK	2.003	18	23.6	0.578	0.302	1.8750	
480 minute summer	18	240	9.890	1.119	43.0	7.3220	0.0000	FLOOD RISK	2.004	19	43.0	0.602	0.341	5.4893	
480 minute summer	19	240	9.800	1.344	78.4	12.3817	0.0000	FLOOD RISK	2.005	20	78.3	0.607	0.387	4.0528	
480 minute summer	20	240	9.800	1.389	78.3	0.0000	0.0000	FLOOD RISK	2.006	21	78.3	0.854	0.385	3.4979	
480 minute summer	21	240	9.800	1.428	78.3	0.0000	0.0000	FLOOD RISK	2.007	22	78.3	0.791	0.128	3.7404	
480 minute summer	22	248	9.890	1.800	97.9	7.8587	0.0000	FLOOD RISK	2.008	23	97.9	0.681	0.340	53.3017	
480 minute summer	23	96	7.750	1.000	97.9	0.0000	0.0000	FLOOD RISK	2.009	24	97.9	0.735	0.489	0.2730	
480 minute summer	24	248	9.584	0.094	97.9	0.0000	0.0000	OK	2.010	24_CUT	97.9	3.856	0.079	6.1516	
480 minute summer	24_CUT	248	7.691	0.268	97.9	0.0000	0.0000	OK	Flow through pond	49	179.2	0.028	0.000	1835.3163	
480 minute summer	25	248	8.826	0.032	1.5	0.0205	0.0000	OK	3.000	26	1.5	0.498	0.160	0.1293	
480 minute summer	26	248	8.481	0.046	3.8	0.1224	0.0000	OK	3.001	27	3.2	0.682	0.204	0.1894	
									Infiltration		0.4				
480 minute summer	27	248	8.184	0.049	5.0	0.1633	0.0000	OK	3.002	28	4.5	0.884	0.225	0.1878	
									Infiltration		0.8				
480 minute summer	28	248	7.747	0.052	6.3	0.1257	0.0000	OK	3.003	29	6.0	1.038	0.255	0.2078	
									Infiltration		0.3				
480 minute summer	29	248	7.123	0.058	7.6	0.1212	0.0000	OK	3.004	30	7.5	1.273	0.271	0.0402	
									Infiltration		0.3				
480 minute summer	30	264	8.890	0.085	7.8	0.0078	0.0000	OK	3.005	31	7.8	0.138	0.003	1.6785	
480 minute summer	31	264	8.889	0.194	8.1	0.0233	0.0000	OK	3.006	32	6.2	0.073	0.004	2.2008	
									Infiltration		1.3				
480 minute summer	32	264	8.888	0.244	8.5	0.0293	0.0000	OK	3.007	33	3.7	0.557	0.002	1.7488	

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480 minute summer	57	304	8.429	0.119	2.8	0.4075	0.0000OK	Infiltration	0.1				
480 minute summer	58	304	8.429	0.184	3.2	1.3172	0.0000SURCHARGE	Infiltration	0.3				
480 minute summer	59	304	8.429	0.224	3.2	1.3134	0.0000OK	Infiltration	0.5				
480 minute summer	60	304	8.429	0.244	2.7	0.0828	0.0000OK	Infiltration	0.3				
480 minute summer	61	304	8.429	0.283	1.5	0.0985	0.0000OK	Infiltration	0.5				
480 minute summer	62	248	8.150	0.014	0.9	0.0047	0.0000OK	Infiltration	0.6				
480 minute summer	63	312	8.069	0.233	1.9	0.0791	0.0000OK	Infiltration	0.2	0.043	0.000	5.8758	
480 minute summer	63_OUT							Infiltration	0.5				
480 minute summer	64	304	8.387	0.262	0.6	0.0322	0.0000OK	Infiltration	0.3				
480 minute summer	65	304	8.387	0.262	0.6	0.0429	0.0000OK	Infiltration	0.2	0.046	0.000	1.7854	
480 minute summer	66	304	8.387	0.294	0.8	0.0455	0.0000OK	Infiltration	0.1				
480 minute summer	67	304	8.387	0.311	0.4	0.0483	0.0000OK	Infiltration	0.2				
480 minute summer	68	256	8.083	0.007	0.4	0.0015	0.0000OK	Infiltration	0.1				
480 minute summer	69	304	8.068	0.303	0.8	0.0484	0.0000OK	Infiltration	0.4	0.022	0.000	3.4581	
480 minute summer	70	304	5.873	0.118	0.4	0.0188	0.0000OK	Infiltration	0.0	0.000	0.000	0.0000	
480 minute summer	71	304	5.873	0.188	0.7	0.0305	0.0000OK	Infiltration	0.3				
480 minute summer	72	304	5.873	0.188	0.5	0.0300	0.0000OK	Infiltration	0.3				
480 minute summer	73	400	8.048	0.341	0.4	0.0545	0.0000OK	Infiltration	0.3				
480 minute summer	74	400	8.045	0.341	0.5	0.0545	0.0000OK	Infiltration	0.2	0.018	0.000	1.7155	
480 minute summer	75	400	8.048	0.341	0.5	0.0545	0.0000OK	Infiltration	0.2	0.043	0.000	1.9428	
480 minute summer	76	400	8.045	0.411	0.5	0.0525	0.0000OK	Infiltration	0.1				
480 minute summer	76_OUT							Infiltration	0.1				
480 minute summer	77_OUT	400	8.048	0.411	0.4	0.0657	0.0000OK	Infiltration	0.1	0.005	0.000	2.2702	

Results for 30 year 480 minute winter. 720 minute analysis at 5 minute timestep. Mass balance: 98.46%

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	232	9.800	0.500	0.4	0.0000	0.0000	FLOOD RISK	1.000	2	0.4	0.012	0.017	0.4853	
480 minute winter	2	232	9.800	0.550	0.9	0.0000	0.0000	FLOOD RISK	1.001	3	-0.0	-0.018	-0.029	1.1284	
480 minute winter	3	232	9.800	0.650	9.3	0.0000	0.0000	FLOOD RISK	1.002	4	-9.3	-0.426	-0.442	0.4986	
480 minute winter	4	232	9.800	0.700	12.0	0.0000	0.0000	FLOOD RISK	1.003	5	-12.0	-0.367	-0.522	0.8441	
480 minute winter	5	232	9.800	0.800	13.3	0.0000	0.0000	FLOOD RISK	1.004	6	-13.3	-0.424	-0.358	0.1621	
480 minute winter	6	232	9.800	0.900	20.3	7.7088	0.0000	FLOOD RISK	1.005	7	15.2	0.728	0.313	0.7796	
480 minute winter	7	232	9.800	1.050	24.0	4.3893	0.0000	FLOOD RISK	1.006	8	24.0	0.691	0.341	2.4823	
480 minute winter	8	240	9.800	1.250	41.0	8.6827	0.0000	FLOOD RISK	1.007	9	41.5	0.691	0.384	5.9230	
480 minute winter	9	248	9.800	1.450	79.4	14.1605	0.0000	FLOOD RISK	1.008	10	79.4	0.648	0.297	3.1360	
480 minute winter	10	248	9.798	1.498	75.9	2.8516	0.0000	FLOOD RISK	1.009	11	75.9	0.553	0.514	47.8613	
480 minute winter	11	248	9.717	1.717	75.9	0.0000	0.0000	FLOOD RISK	1.010	12	75.9	0.547	0.254	53.3276	
480 minute winter	12	96	7.750	1.900	75.9	0.0000	0.0000	FLOOD RISK	1.011	13	75.9	0.582	0.387	0.2876	
480 minute winter	13	248	9.583	0.983	75.9	0.0000	0.0000	OK	1.012	13_OUT	75.9	3.585	0.081	0.1289	
480 minute winter	13_OUT	256	7.765	0.232	75.9	0.0000	0.0000	OK	Flow through pond	49	255.6	0.639	0.000	1873.8328	
480 minute winter	14	248	9.739	0.439	3.9	0.0000	0.0000	FLOOD RISK	2.000	15	-3.9	-0.152	-0.130	0.8136	
480 minute winter	15	248	9.739	0.653	13.6	5.1741	0.0000	FLOOD RISK	2.001	16	11.6	0.634	0.239	0.9254	
480 minute winter	16	248	9.733	0.742	11.6	0.0000	0.0000	FLOOD RISK	2.002	17	11.6	0.609	0.235	0.6320	
480 minute winter	17	248	9.728	0.870	17.0	2.7001	0.0000	FLOOD RISK	2.003	18	17.0	0.610	0.225	1.6750	
480 minute winter	18	248	9.724	1.043	32.0	6.5635	0.0000	FLOOD RISK	2.004	19	32.0	0.634	0.254	5.4890	
480 minute winter	19	248	9.718	1.280	58.9	11.3639	0.0000	FLOOD RISK	2.005	20	58.9	0.845	0.259	4.9626	
480 minute winter	20	248	9.712	1.301	58.9	0.0000	0.0000	FLOOD RISK	2.006	21	58.9	0.995	0.258	3.4979	
480 minute winter	21	248	9.708	1.337	66.9	0.0000	0.0000	FLOOD RISK	2.007	22	66.9	0.814	0.095	3.7404	
480 minute winter	22	248	9.706	1.706	72.9	7.4099	0.0000	FLOOD RISK	2.008	23	72.9	0.580	0.253	53.3017	
480 minute winter	23	88	7.750	1.000	72.9	0.0000	0.0000	FLOOD RISK	2.009	24	72.9	0.560	0.371	0.2671	
480 minute winter	24	248	9.581	0.081	72.9	0.0000	0.0000	OK	2.010	24_OUT	72.9	3.544	0.059	0.1232	
480 minute winter	24_OUT	256	7.759	0.225	72.9	0.0000	0.0000	OK	Flow through pond	49	255.6	0.639	0.000	1873.8326	
480 minute winter	25	240	8.823	0.027	1.3	0.0175	0.0000	OK	3.000	26	1.3	0.456	0.072	0.1017	
480 minute winter	26	240	8.474	0.039	2.8	0.0905	0.0000	OK	3.001	27	2.3	0.623	0.145	0.1471	
									Infiltration		0.3				
480 minute winter	27	240	8.155	0.040	3.6	0.1175	0.0000	OK	3.002	28	3.2	0.801	0.158	0.1298	
									Infiltration		0.4				
480 minute winter	28	248	7.738	0.043	4.5	0.0921	0.0000	OK	3.003	29	4.2	0.948	0.179	0.1598	
									Infiltration		0.3				
480 minute winter	29	248	7.112	0.047	5.5	0.0878	0.0000	OK	3.004	30	5.3	1.184	0.191	0.6309	
									Infiltration		0.2				
480 minute winter	30	248	6.862	0.037	5.5	0.0944	0.0000	OK	3.005	31	5.5	0.138	0.092	1.2665	
480 minute winter	31	280	6.855	0.180	5.7	0.0192	0.0000	OK	3.006	32	4.4	0.076	0.092	1.7713	
									Infiltration		1.2				

480 minute winter	32	280	6.855	0.210	4.8	0.0252	0.0000OK	3.007	33	2.8	0.043	0.000	1.3579
								Infiltration		1.0			
								Infiltration		1.1			
480 minute winter	33	280	6.855	0.080	2.8	0.0090	0.0000OK	3.008	34	2.8	0.158	0.002	0.7450
480 minute winter	34	280	6.854	0.108	3.0	0.0131	0.0000OK	3.009	35	2.2	0.184	0.001	0.9285
								Infiltration		0.8			
480 minute winter	35	280	6.854	0.179	2.4	0.0215	0.0000OK	3.010	36	1.5	0.035	0.000	2.5801
								Infiltration		0.7			
480 minute winter	36	280	6.854	0.349	1.7	0.0398	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.2			
480 minute winter	37	208	6.508	0.004	0.2	0.0005	0.0000OK	3.012	38	0.2	0.040	0.000	1.0706
480 minute winter	38	304	6.412	0.147	1.5	0.0177	0.0000OK	3.013	39	-1.1	-0.088	-0.001	0.7128
								Infiltration		0.8			
								Infiltration		0.8			
480 minute winter	39	208	6.408	0.011	1.1	0.0013	0.0000OK	3.014	40	-0.9	-0.171	-0.001	0.0710
								Infiltration		0.0			
480 minute winter	40	208	6.704	0.008	0.8	0.0011	0.0000OK	3.015	41	-0.7	-0.152	0.000	0.6594
								Infiltration		0.0			
480 minute winter	41	208	6.874	0.009	0.7	0.0010	0.0000OK	3.016	42	-0.5	-0.128	0.000	0.9499
								Infiltration		0.0			
480 minute winter	42	208	7.692	0.007	0.5	0.0006	0.0000OK	3.017	43	-0.3	-0.084	0.000	0.9488
								Infiltration		0.0			
480 minute winter	43	200	7.153	0.008	0.3	0.0010	0.0000OK	3.018	44	-0.1	-0.041	0.000	0.5083
								Infiltration		0.0			
480 minute winter	44	208	7.229	0.004	0.2	0.0005	0.0000OK	3.019	45	0.1	0.030	0.000	0.9309
480 minute winter	45	216	7.201	0.008	0.3	0.0006	0.0000OK	3.020	46	0.3	0.078	0.000	0.9440
								Infiltration		0.0			
480 minute winter	46	216	7.132	0.007	0.5	0.0008	0.0000OK	3.021	47	0.5	0.115	0.000	0.6550
								Infiltration		0.0			
480 minute winter	47	216	6.974	0.008	0.7	0.0010	0.0000OK	3.022	48	0.6	0.077	0.000	0.4437
								Infiltration		0.0			
480 minute winter	48	312	6.894	0.099	0.8	0.0118	0.0000OK	3.023	49	0.9	0.098	0.001	0.8595
								Infiltration		0.1			
480 minute winter	49	584	7.728	-0.271	265.7	0.5000	0.0000OK	Crifice	50	0.0			
								Infiltration		0.0			
480 minute winter	50	8	7.403	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	312	6.894	0.199	1.1	0.0130	0.0000OK	3.024	54	1.0	0.117	0.000	1.9124
								Infiltration		0.2			
480 minute winter	54	312	6.894	0.289	1.2	0.0322	0.0000OK	3.025	54_OUT	0.9	0.034	0.000	4.1238
								Infiltration		0.2			
480 minute winter	54_OUT	312	6.894	0.383	0.7	0.0486	0.0000OK	Infiltration		0.4			

480 minute winter	55	240	8.477	0.021	0.7	0.0105	0.0000OK	5.000	56	0.7	0.282	0.095	0.0450
480 minute winter	56	248	8.448	0.032	1.4	0.0898	0.0000OK	5.001	57	1.3	0.333	0.102	0.1985
								Infiltration		0.1			
480 minute winter	57	320	8.444	0.134	2.6	0.4965	0.0000OK	5.002	58	1.9	0.368	0.232	0.5304
								Infiltration		0.3			
480 minute winter	58	320	8.444	0.199	2.8	1.4538	0.0000STUCK (CRASHED)	5.003	59	1.8	0.293	0.237	0.3806
								Infiltration		0.5			
480 minute winter	59	320	8.443	0.238	2.5	1.4176	0.0000OK	5.004	60	1.4	0.651	0.002	6.4431
								Infiltration		0.4			
480 minute winter	60	320	8.443	0.258	2.1	0.0878	0.0000OK	5.005	61	0.6	0.031	0.091	10.0952
								Infiltration		0.5			
480 minute winter	61	320	8.443	0.307	1.3	0.1045	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.7			
480 minute winter	62	264	8.148	0.012	0.7	0.0641	0.0000OK	5.007	63	0.7	0.643	0.000	6.1832
480 minute winter	63	320	8.084	0.248	1.4	0.0844	0.0000OK	5.008	63_OUT	0.2	0.018	0.000	5.5227
								Infiltration		0.5			
480 minute winter	63_OUT	328	8.084	0.319	0.7	0.1088	0.0000OK	Infiltration		0.4			
480 minute winter	64	328	8.426	0.241	0.3	0.0388	0.0000OK	6.000	65	0.2	0.648	0.000	2.1914
480 minute winter	65	328	8.426	0.301	0.5	0.0462	0.0000OK	6.001	66	0.2	0.642	0.000	3.1229
								Infiltration		0.1			
480 minute winter	66	328	8.428	0.333	0.4	0.0526	0.0000OK	6.002	67	-0.1	0.021	0.000	1.8253
								Infiltration		0.2			
480 minute winter	67	328	8.426	0.350	0.3	0.0543	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
480 minute winter	68	320	6.091	0.015	0.3	0.0023	0.0000OK	6.004	69	0.3	0.622	0.000	3.9100
480 minute winter	69	320	6.091	0.329	0.6	0.0521	0.0000OK	6.005	70	0.0	0.099	0.000	0.0000
								Infiltration		0.3			
480 minute winter	70	328	5.895	0.140	0.3	0.0224	0.0000OK	6.006	71	0.2	0.650	0.000	1.0894
480 minute winter	71	328	5.895	0.210	0.5	0.0336	0.0000OK	6.007	72	0.2	0.611	0.000	3.6728
								Infiltration		0.1			
480 minute winter	72	328	5.895	0.210	0.5	0.0336	0.0000OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
480 minute winter	73	448	6.094	0.369	0.3	0.0622	0.0000OK	6.009	74	0.2	0.618	0.000	2.0675
480 minute winter	74	448	6.094	0.369	0.5	0.0622	0.0000OK	6.010	75	0.2	0.643	0.000	2.3412
								Infiltration		0.1			
480 minute winter	75	448	6.094	0.389	0.4	0.0622	0.0000OK	6.011	76	0.3	0.634	0.000	2.5418
								Infiltration		0.1			
480 minute winter	76	448	6.094	0.459	0.4	0.0697	0.0000OK	6.012	76_OUT	0.1	0.605	0.000	2.5878
								Infiltration		0.1			
480 minute winter	76_OUT	448	6.094	0.459	0.3	0.0734	0.0000OK	Infiltration		0.1			

Results for 30 year 600 minute summer, 640 minute analysis at 15 minute timestep, Mass balance: 96.34%

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	300	9.890	0.500	0.1	0.0003	0.0000	FLOOD RISK	1.000	2	0.2	0.007	0.010	0.4853	
600 minute summer	2	300	9.800	0.550	0.2	0.0000	0.0000	FLOOD RISK	1.001	3	0.5	0.015	0.023	1.1264	
600 minute summer	3	300	9.800	0.650	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	0.7	0.022	0.030	0.4980	
600 minute summer	4	300	9.800	0.700	0.7	0.0000	0.0000	FLOOD RISK	1.003	5	0.8	0.026	0.035	0.8441	
600 minute summer	5	300	9.890	0.800	1.2	0.0000	0.0000	FLOOD RISK	1.004	6	-1.2	-0.241	-0.031	0.1621	
600 minute summer	6	300	9.800	0.900	16.5	8.0360	0.0000	FLOOD RISK	1.005	7	16.5	0.641	0.340	0.7798	
600 minute summer	7	300	9.800	1.050	26.0	4.5898	0.0000	FLOOD RISK	1.006	8	26.0	0.630	0.379	2.4923	
600 minute summer	8	300	9.890	1.250	45.1	8.9728	0.0000	FLOOD RISK	1.007	9	45.1	0.609	0.417	5.9230	
600 minute summer	9	300	9.800	1.450	78.4	14.4860	0.0000	FLOOD RISK	1.008	10	78.3	0.571	0.322	3.1360	
600 minute summer	10	300	9.800	1.590	82.2	2.7207	0.0000	FLOOD RISK	1.009	11	82.2	0.498	0.557	47.8613	
600 minute summer	11	315	9.743	1.743	82.2	0.0000	0.0000	FLOOD RISK	1.010	12	82.2	0.578	0.288	53.3278	
600 minute summer	12	135	7.750	1.000	82.2	0.0000	0.0000	FLOOD RISK	1.011	13	82.2	0.626	0.419	0.2892	
600 minute summer	13	315	9.585	0.088	82.2	0.0000	0.0000	OK	1.012	13_CUT	82.2	3.671	0.088	0.1342	
600 minute summer	13_CUT	315	7.775	0.242	82.2	0.0000	0.0000	OK	Flow through pond	49	140.2	0.024	0.000	1715.4552	
600 minute summer	14	315	9.768	0.488	1.8	0.0000	0.0000	FLOOD RISK	2.000	15	-1.8	-0.073	-0.061	0.8136	
600 minute summer	15	315	9.780	0.682	12.6	5.4081	0.0000	FLOOD RISK	2.001	16	12.6	0.554	0.260	0.9254	
600 minute summer	16	315	9.762	0.771	12.6	0.0000	0.0000	FLOOD RISK	2.002	17	12.6	0.555	0.258	0.6320	
600 minute summer	17	315	9.757	0.898	19.1	2.7863	0.0000	FLOOD RISK	2.003	18	19.1	0.538	0.244	1.6750	
600 minute summer	18	315	9.751	1.070	34.7	6.7332	0.0000	FLOOD RISK	2.004	19	34.7	0.549	0.276	5.4893	
600 minute summer	19	315	9.742	1.288	61.6	11.5938	0.0000	FLOOD RISK	2.005	20	61.6	0.568	0.312	4.0628	
600 minute summer	20	315	9.737	1.328	61.6	0.0000	0.0000	FLOOD RISK	2.006	21	61.6	0.800	0.311	3.4979	
600 minute summer	21	315	9.734	1.362	61.6	0.0000	0.0000	FLOOD RISK	2.007	22	61.6	0.745	0.103	3.7404	
600 minute summer	22	315	9.729	1.729	79.0	7.5128	0.0000	FLOOD RISK	2.008	23	79.0	0.488	0.274	53.3017	
600 minute summer	23	120	7.750	1.000	79.0	0.0000	0.0000	FLOOD RISK	2.009	24	79.0	0.603	0.462	0.2686	
600 minute summer	24	315	9.584	0.084	79.0	0.0000	0.0000	OK	2.010	24_CUT	79.0	3.628	0.084	6.1304	
600 minute summer	24_CUT	315	7.789	0.236	79.0	0.0000	0.0000	OK	Flow through pond	49	140.2	0.024	0.000	1715.4552	
600 minute summer	25	315	8.824	0.028	1.4	0.0181	0.0000	OK	3.000	26	1.4	0.489	0.078	0.1074	
600 minute summer	26	315	8.475	0.040	2.8	0.0968	0.0000	OK	3.001	27	2.8	0.630	0.156	0.1558	
									Infiltration		0.3				
600 minute summer	27	315	8.157	0.042	3.9	0.1265	0.0000	OK	3.002	28	3.9	0.820	0.171	0.1377	
									Infiltration		0.4				
600 minute summer	28	315	7.740	0.045	4.9	0.0988	0.0000	OK	3.003	29	4.9	0.958	0.194	0.1898	
									Infiltration		0.3				
600 minute summer	29	315	7.114	0.048	6.0	0.0842	0.0000	OK	3.004	30	5.8	1.189	0.207	0.0328	
									Infiltration		0.2				
600 minute summer	30	315	8.864	0.039	6.1	0.0047	0.0000	OK	3.005	31	6.1	0.138	0.003	1.2857	
600 minute summer	31	330	8.860	0.185	6.4	0.0198	0.0000	OK	3.006	32	4.9	0.080	0.003	1.8285	
									Infiltration		1.2				
600 minute summer	32	330	8.858	0.214	5.2	0.0257	0.0000	OK	3.007	33	3.2	0.550	0.002	1.4100	

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T COUNCIL Y/92/18/DOC

600 minute summer	57	375	8.422	0.113	2.3	0.3897	0.0000OK	Infiltration	5.002	58	2.0	0.309	0.255	0.4933
600 minute summer	58	375	8.422	0.177	2.8	1.2815	0.0000SURCHARGE	Infiltration	5.003	59	1.9	0.284	0.259	0.3908
600 minute summer	59	375	8.422	0.217	2.7	1.2688	0.0000OK	Infiltration	5.004	60	1.5	0.042	0.002	5.7283
600 minute summer	60	375	8.422	0.237	2.3	0.0807	0.0000OK	Infiltration	5.005	61	0.8	0.030	0.001	9.0908
600 minute summer	61	375	8.422	0.288	1.4	0.0973	0.0000OK	Infiltration	5.008	62	0.0	0.000	0.000	0.0000
600 minute summer	62	315	8.149	0.013	0.8	0.0044	0.0000OK	Infiltration	5.007	63	0.8	0.044	0.000	5.8048
600 minute summer	63	375	8.086	0.230	1.7	0.0783	0.0000OK	Infiltration	5.008	63_OUT	0.2	0.018	0.000	5.0528
600 minute summer	63_OUT	375	8.086	0.301	0.8	0.1024	0.0000OK	Infiltration			0.0			
600 minute summer	64	375	8.588	0.201	0.4	0.0322	0.0000OK	Infiltration	5.009	65	0.2	0.041	0.000	1.7721
600 minute summer	65	375	8.386	0.261	0.6	0.0418	0.0000OK	Infiltration	5.001	66	0.1	0.039	0.000	2.5848
600 minute summer	66	375	8.588	0.293	0.8	0.0493	0.0000OK	Infiltration	5.002	67	-0.1	-0.002	0.000	1.5345
600 minute summer	67	375	8.386	0.310	0.4	0.0481	0.0000OK	Infiltration	5.003	68	0.0	0.000	0.000	0.0000
600 minute summer	68	315	8.083	0.007	0.4	0.0010	0.0000OK	Infiltration	5.004	69	0.4	0.029	0.000	3.3945
600 minute summer	69	375	8.084	0.298	0.8	0.0478	0.0000OK	Infiltration	5.005	70	0.0	0.000	0.000	0.0000
600 minute summer	70	375	5.871	0.118	0.4	0.0180	0.0000OK	Infiltration	5.006	71	0.3	0.034	0.000	0.9172
600 minute summer	71	375	5.871	0.188	0.7	0.0298	0.0000OK	Infiltration	5.007	72	0.2	0.009	0.000	3.1441
600 minute summer	72	375	5.871	0.188	0.5	0.0298	0.0000OK	Infiltration	5.008	73	0.0	0.000	0.000	0.0000
600 minute summer	73	450	8.042	0.337	0.4	0.0540	0.0000OK	Infiltration	5.009	74	0.2	0.018	0.000	1.8903
600 minute summer	74	450	8.042	0.507	0.5	0.0540	0.0000OK	Infiltration	5.010	75	0.2	0.043	0.000	1.9141
600 minute summer	75	450	8.042	0.337	0.5	0.0540	0.0000OK	Infiltration	5.011	76	0.3	0.030	0.000	2.1108
600 minute summer	76	450	8.042	0.407	0.5	0.0519	0.0000OK	Infiltration	5.012	76_OUT	0.1	0.005	0.000	2.2418
600 minute summer	76_OUT	450	8.042	0.407	0.4	0.0652	0.0000OK	Infiltration			0.1			

Results for 30 year 600 minute winter, 640 minute analysis at 15 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)
600 minute winter	1	315	9.751	0.451	0.4	0.0000	0.0000	FLOOD RISK	1.000	2	-0.4	-0.011	-0.016	0.4853	
600 minute winter	2	315	9.751	0.501	0.5	0.0000	0.0000	FLOOD RISK	1.001	3	-0.5	-0.017	-0.027	1.1284	
600 minute winter	3	315	9.751	0.591	1.5	0.0000	0.0000	FLOOD RISK	1.002	4	-1.5	-0.047	-0.070	0.4986	
600 minute winter	4	315	9.751	0.851	2.3	0.0000	0.0000	FLOOD RISK	1.003	5	-2.3	-0.075	-0.101	0.8441	
600 minute winter	5	315	9.751	0.751	3.1	0.0000	0.0000	FLOOD RISK	1.004	6	-3.1	-0.095	-0.032	0.1621	
600 minute winter	6	315	9.751	0.851	12.6	7.0176	0.0000	FLOOD RISK	1.005	7	12.6	0.684	0.280	0.7796	
600 minute winter	7	315	9.746	0.990	19.9	4.0577	0.0000	FLOOD RISK	1.006	8	19.9	0.640	0.283	2.4923	
600 minute winter	8	315	9.737	1.187	34.5	8.1496	0.0000	FLOOD RISK	1.007	9	34.5	0.624	0.319	5.9230	
600 minute winter	9	315	9.727	1.377	58.5	13.3903	0.0000	FLOOD RISK	1.008	10	58.5	0.613	0.247	3.1360	
600 minute winter	10	315	9.724	1.424	63.0	2.5247	0.0000	FLOOD RISK	1.009	11	63.0	0.512	0.426	47.8913	
600 minute winter	11	315	9.670	1.670	63.0	0.0000	0.0000	FLOOD RISK	1.010	12	63.0	0.474	0.219	53.3276	
600 minute winter	12	120	7.750	1.900	63.0	0.0000	0.0000	FLOOD RISK	1.011	13	63.0	0.489	0.321	0.2844	
600 minute winter	13	315	9.576	0.076	63.0	0.0000	0.0000	OK	1.012	13_OUT	63.0	3.395	0.051	0.1112	
600 minute winter	13_OUT	330	7.742	0.209	63.0	0.0000	0.0000	OK	Flow through pond	49	189.4	0.024	0.000	1963.7181	
600 minute winter	14	315	9.664	0.384	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.0	0.001	0.001	0.8136	
600 minute winter	15	315	9.664	0.598	9.6	4.7426	0.0000	FLOOD RISK	2.001	16	9.6	0.570	0.196	0.9254	
600 minute winter	16	315	9.660	0.689	9.6	0.0000	0.0000	FLOOD RISK	2.002	17	9.6	0.571	0.195	0.6320	
600 minute winter	17	315	9.675	0.819	14.6	2.5406	0.0000	FLOOD RISK	2.003	18	14.6	0.576	0.187	1.6750	
600 minute winter	18	315	9.674	0.993	26.6	6.2497	0.0000	FLOOD RISK	2.004	19	26.6	0.569	0.211	5.4690	
600 minute winter	19	315	9.669	1.213	47.2	10.9359	0.0000	FLOOD RISK	2.005	20	47.2	0.614	0.239	4.9626	
600 minute winter	20	315	9.666	1.255	47.2	0.0000	0.0000	FLOOD RISK	2.006	21	47.2	0.694	0.239	3.4979	
600 minute winter	21	315	9.664	1.292	47.2	0.0000	0.0000	FLOOD RISK	2.007	22	47.2	0.788	0.079	3.7404	
600 minute winter	22	315	9.662	1.662	60.5	7.2182	0.0000	FLOOD RISK	2.008	23	60.5	0.557	0.210	53.3017	
600 minute winter	23	120	7.753	1.000	60.5	0.0000	0.0000	FLOOD RISK	2.009	24	60.5	0.471	0.308	0.2640	
600 minute winter	24	315	9.574	0.074	60.5	0.0000	0.0000	OK	2.010	24_OUT	60.5	3.354	0.049	0.1080	
600 minute winter	24_OUT	645	7.740	0.207	60.5	0.0000	0.0000	OK	Flow through pond	49	189.4	0.024	0.000	1963.7181	
600 minute winter	25	315	8.821	0.025	1.1	0.0151	0.0000	OK	3.000	26	1.1	0.436	0.091	0.0899	
600 minute winter	26	315	8.470	0.035	2.2	0.0778	0.0000	OK	3.001	27	1.9	0.694	0.121	0.1292	
									Infiltration		0.3				
600 minute winter	27	315	8.152	0.037	3.0	0.0999	0.0000	OK	3.002	28	2.7	0.760	0.131	0.1138	
									Infiltration		0.4				
600 minute winter	28	315	7.734	0.039	3.8	0.0787	0.0000	OK	3.003	29	3.5	0.902	0.149	0.1394	
									Infiltration		0.2				
600 minute winter	29	315	7.105	0.043	4.8	0.0744	0.0000	OK	3.004	30	4.4	1.109	0.159	0.6270	
									Infiltration		0.2				
600 minute winter	30	315	6.858	0.033	4.6	0.0940	0.0000	OK	3.005	31	4.6	0.155	0.002	0.9394	
600 minute winter	31	330	6.822	0.127	4.8	0.0152	0.0000	OK	3.006	32	3.7	0.072	0.002	1.3820	
									Infiltration		1.0				

600 minute winter	32	330	6.821	0.178	3.8	0.0212	0.0000OK	3.007	33	2.1	0.038	0.001	1.0048
								Infiltration		0.9			
								Infiltration		1.0			
600 minute winter	33	330	6.821	0.046	2.3	0.0055	0.0000OK	3.008	34	2.2	0.145	0.002	0.4470
600 minute winter	34	330	6.819	0.074	2.4	0.0089	0.0000OK	3.009	35	1.7	0.157	0.001	0.8885
								Infiltration		0.7			
600 minute winter	35	330	6.819	0.144	1.9	0.0173	0.0000OK	3.010	36	1.4	0.027	0.000	2.2338
								Infiltration		0.6			
600 minute winter	36	330	6.819	0.314	1.6	0.0358	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.1			
600 minute winter	37	285	6.509	0.004	0.2	0.0005	0.0000OK	3.012	38	0.2	0.023	0.000	1.0684
600 minute winter	38	360	6.412	0.147	1.5	0.0177	0.0000OK	3.013	39	-1.1	-0.087	-0.001	0.7119
								Infiltration		0.8			
								Infiltration		0.8			
600 minute winter	39	285	6.408	0.011	1.1	0.0013	0.0000OK	3.014	40	-0.9	-0.171	-0.001	0.0710
								Infiltration		0.0			
600 minute winter	40	285	6.704	0.009	0.9	0.0011	0.0000OK	3.015	41	-0.7	-0.152	0.000	0.6594
								Infiltration		0.0			
600 minute winter	41	285	6.874	0.009	0.7	0.0010	0.0000OK	3.016	42	-0.5	-0.129	0.000	0.9499
								Infiltration		0.0			
600 minute winter	42	285	7.692	0.007	0.5	0.0006	0.0000OK	3.017	43	-0.3	-0.084	0.000	0.9488
								Infiltration		0.0			
600 minute winter	43	270	7.153	0.008	0.3	0.0010	0.0000OK	3.018	44	-0.1	-0.041	0.000	0.5083
								Infiltration		0.0			
600 minute winter	44	285	7.229	0.004	0.2	0.0005	0.0000OK	3.019	45	0.1	0.030	0.000	0.9309
600 minute winter	45	285	7.201	0.009	0.3	0.0006	0.0000OK	3.020	46	0.3	0.078	0.000	0.9440
								Infiltration		0.0			
600 minute winter	46	285	7.132	0.007	0.5	0.0008	0.0000OK	3.021	47	0.5	0.115	0.000	0.6650
								Infiltration		0.0			
600 minute winter	47	285	6.974	0.008	0.7	0.0010	0.0000OK	3.022	48	0.6	0.077	0.000	0.4327
								Infiltration		0.0			
600 minute winter	48	375	6.892	0.097	0.8	0.0116	0.0000OK	3.023	49	0.8	0.099	0.001	0.8414
								Infiltration		0.1			
600 minute winter	49	890	7.738	-0.252	204.7	0.0000	0.0000OK	Crifice	50	0.0			
								Infiltration		0.0			
600 minute winter	50	15	7.403	0.009	0.6	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	375	6.892	0.197	1.0	0.0128	0.0000OK	3.024	54	1.0	0.117	0.000	1.5893
								Infiltration		0.2			
600 minute winter	54	375	6.892	0.287	1.2	0.0320	0.0000OK	3.025	54_OUT	0.9	0.032	0.000	4.0915
								Infiltration		0.2			
600 minute winter	54_OUT	375	6.892	0.387	0.7	0.0464	0.0000OK	Infiltration		0.4			

600 minute winter	55	315	8.475	0.029	0.8	0.0097	0.0000OK	5.009	56	0.8	0.258	0.081	0.0492
600 minute winter	56	315	8.445	0.030	1.2	0.5778	0.0000OK	5.001	57	1.1	0.308	0.088	0.1871
								Infiltration		0.1			
600 minute winter	57	380	8.423	0.113	1.7	0.3708	0.0000OK	5.002	58	1.4	0.290	0.177	0.4937
								Infiltration		0.3			
600 minute winter	58	390	8.423	0.178	2.0	1.2632	0.0000STUCK (CRASHED)	5.003	59	1.3	0.272	0.176	0.3806
								Infiltration		0.4			
600 minute winter	59	390	8.422	0.217	1.9	1.2708	0.0000OK	5.004	60	1.1	0.644	0.002	5.7345
								Infiltration		0.3			
600 minute winter	60	380	8.423	0.237	1.7	0.0807	0.0000OK	5.005	61	0.5	0.028	0.000	8.0985
								Infiltration		0.4			
600 minute winter	61	390	8.422	0.288	1.1	0.0974	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.6			
600 minute winter	62	315	8.147	0.011	0.6	0.0607	0.0000OK	5.007	63	0.6	0.642	0.000	5.7634
600 minute winter	63	405	8.071	0.235	1.2	0.0801	0.0000OK	5.008	63_OUT	0.2	0.015	0.000	5.1872
								Infiltration		0.5			
600 minute winter	63_OUT	405	8.071	0.308	0.8	0.1042	0.0000OK	Infiltration		0.3			
600 minute winter	64	405	8.413	0.228	0.3	0.0385	0.0000OK	6.000	65	0.2	0.641	0.000	2.6539
600 minute winter	65	405	8.413	0.288	0.5	0.0461	0.0000OK	6.001	66	0.1	0.038	0.000	2.9502
								Infiltration		0.1			
600 minute winter	66	405	8.413	0.320	0.4	0.0506	0.0000OK	6.002	67	-0.1	-0.002	0.000	1.7303
								Infiltration		0.2			
600 minute winter	67	405	8.413	0.337	0.3	0.0523	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
600 minute winter	68	315	6.082	0.006	0.3	0.0009	0.0000OK	6.004	69	0.3	0.028	0.000	3.8600
600 minute winter	69	405	6.080	0.315	0.6	0.0504	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
600 minute winter	70	405	5.884	0.129	0.3	0.0207	0.0000OK	6.006	71	0.2	0.034	0.000	1.0154
600 minute winter	71	405	5.884	0.199	0.5	0.0319	0.0000OK	6.007	72	0.2	0.009	0.000	3.4294
								Infiltration		0.1			
600 minute winter	72	405	5.884	0.199	0.5	0.0319	0.0000OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
600 minute winter	73	495	6.080	0.375	0.3	0.0599	0.0000OK	6.009	74	0.2	0.018	0.000	1.9597
600 minute winter	74	495	6.080	0.375	0.5	0.0599	0.0000OK	6.010	75	0.2	0.643	0.000	2.2191
								Infiltration		0.1			
600 minute winter	75	495	6.080	0.375	0.4	0.0598	0.0000OK	6.011	76	0.3	0.030	0.000	2.4157
								Infiltration		0.1			
600 minute winter	76	495	6.080	0.445	0.4	0.0878	0.0000OK	6.012	76_OUT	0.1	0.005	0.000	2.5482
								Infiltration		0.1			
600 minute winter	76_OUT	495	6.080	0.445	0.3	0.0711	0.0000OK	Infiltration		0.1			

Results for 30 year 720 minute summer, 860 minute analysis at 15 minute timestep, Mass balance: 86.44%

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	375	9.890	0.500	0.1	0.0003	0.0000	FLOOD RISK	1.000	2	-0.1	-0.003	-0.005	0.4853	
720 minute summer	2	375	9.800	0.550	0.2	0.0000	0.0000	FLOOD RISK	1.001	3	0.2	0.003	0.009	1.1264	
720 minute summer	3	375	9.800	0.650	0.3	0.0000	0.0000	FLOOD RISK	1.002	4	-0.3	-0.009	-0.013	0.4980	
720 minute summer	4	375	9.800	0.700	0.6	0.0003	0.0000	FLOOD RISK	1.003	5	-0.8	-0.095	-0.033	0.8441	
720 minute summer	5	375	9.890	0.800	1.7	0.0003	0.0000	FLOOD RISK	1.004	6	-1.7	-0.089	-0.045	0.1521	
720 minute summer	6	375	9.800	0.900	14.5	7.5940	0.0000	FLOOD RISK	1.005	7	14.5	0.618	0.299	0.7798	
720 minute summer	7	375	9.800	1.050	22.9	4.2910	0.0000	FLOOD RISK	1.006	8	22.9	0.668	0.326	2.4923	
720 minute summer	8	375	9.792	1.242	39.9	8.5245	0.0000	FLOOD RISK	1.007	9	39.9	0.588	0.368	5.9233	
720 minute summer	9	375	9.778	1.428	67.1	13.8593	0.0000	FLOOD RISK	1.008	10	67.1	0.538	0.283	3.1360	
720 minute summer	10	375	9.774	1.474	72.3	2.6141	0.0000	FLOOD RISK	1.009	11	72.3	0.497	0.489	47.8813	
720 minute summer	11	375	9.784	1.704	72.3	0.0003	0.0000	FLOOD RISK	1.010	12	72.3	0.550	0.251	53.3278	
720 minute summer	12	150	7.750	1.000	72.3	0.0003	0.0000	FLOOD RISK	1.011	13	72.3	0.556	0.368	0.2868	
720 minute summer	13	375	9.581	0.081	72.3	0.0000	0.0000	OK	1.012	13_CUT	72.3	3.534	0.058	0.1225	
720 minute summer	13_CUT	375	7.757	0.224	72.3	0.0000	0.0000	OK	Flow through pond	49	112.7	0.020	0.000	1784.2732	
720 minute summer	14	375	9.722	0.422	0.4	0.0003	0.0000	FLOOD RISK	2.000	15	-0.4	-0.012	-0.012	0.8135	
720 minute summer	15	375	9.722	0.638	11.0	5.0455	0.0000	FLOOD RISK	2.001	16	11.0	0.517	0.227	0.9254	
720 minute summer	16	375	9.717	0.726	11.0	0.0000	0.0000	FLOOD RISK	2.002	17	11.0	0.518	0.223	0.6320	
720 minute summer	17	375	9.714	0.855	16.7	2.6525	0.0000	FLOOD RISK	2.003	18	16.7	0.504	0.214	1.8750	
720 minute summer	18	375	9.710	1.029	30.4	6.4705	0.0000	FLOOD RISK	2.004	19	30.4	0.526	0.242	5.4893	
720 minute summer	19	375	9.702	1.248	54.1	11.2378	0.0000	FLOOD RISK	2.005	20	54.1	0.539	0.274	4.0528	
720 minute summer	20	375	9.699	1.288	54.1	0.0000	0.0000	FLOOD RISK	2.006	21	54.1	0.756	0.273	3.4979	
720 minute summer	21	375	9.690	1.324	54.1	0.0003	0.0000	FLOOD RISK	2.007	22	54.1	0.706	0.091	3.7404	
720 minute summer	22	375	9.693	1.593	89.4	7.3533	0.0000	FLOOD RISK	2.008	23	89.4	0.474	0.241	53.3017	
720 minute summer	23	150	7.750	1.000	89.4	0.0000	0.0000	FLOOD RISK	2.009	24	89.4	0.535	0.353	0.2862	
720 minute summer	24	375	9.579	0.079	89.4	0.0000	0.0000	OK	2.010	24_CUT	89.4	3.494	0.056	0.1188	
720 minute summer	24_CUT	375	7.752	0.218	89.4	0.0003	0.0000	OK	Flow through pond	49	112.7	0.020	0.000	1784.2732	
720 minute summer	25	375	8.822	0.022	1.2	0.0168	0.0000	OK	3.000	26	1.2	0.447	0.067	0.0859	
720 minute summer	26	375	8.472	0.037	2.4	0.0842	0.0000	OK	3.001	27	2.1	0.609	0.133	0.1382	
									Infiltration		0.3				
720 minute summer	27	375	8.154	0.039	3.3	0.1087	0.0000	OK	3.002	28	2.9	0.782	0.145	0.1219	
									Infiltration		0.4				
720 minute summer	28	375	7.738	0.041	4.1	0.0854	0.0000	OK	3.003	29	3.9	0.926	0.184	0.1497	
									Infiltration		0.3				
720 minute summer	29	375	7.110	0.045	5.1	0.0810	0.0000	OK	3.004	30	4.8	1.138	0.175	0.0290	
									Infiltration		0.2				
720 minute summer	30	375	8.860	0.035	5.1	0.0042	0.0000	OK	3.005	31	5.1	0.138	0.002	0.9795	
720 minute summer	31	390	8.827	0.132	5.3	0.0158	0.0000	OK	3.006	32	4.2	0.080	0.002	1.4403	
									Infiltration		1.0				
720 minute summer	32	390	8.826	0.181	4.4	0.0218	0.0000	OK	3.007	33	2.5	0.543	0.002	1.0574	

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720 minute summer	57	435	8.418	0.108	2.0	0.3271	0.0000OK	Infiltration	0.1				
720 minute summer	58	435	8.415	0.170	2.5	1.1979	0.0000SURCHARGE	Infiltration	0.3				
720 minute summer	59	435	8.415	0.210	2.4	1.2205	0.0000OK	Infiltration	0.4				
720 minute summer	60	435	8.415	0.230	2.0	0.0783	0.0000OK	Infiltration	0.3				
720 minute summer	61	435	8.415	0.278	1.2	0.0950	0.0000OK	Infiltration	0.4				
720 minute summer	62	375	8.148	0.012	0.7	0.0041	0.0000OK	Infiltration	0.6				
720 minute summer	63	435	8.083	0.227	1.4	0.0772	0.0000OK	Infiltration	0.2				
720 minute summer	63_OUT	435	8.083	0.298	0.7	0.1014	0.0000OK	Infiltration	0.3				
720 minute summer	64	525	8.372	0.187	0.3	0.0298	0.0000OK	Infiltration	0.2				
720 minute summer	65	525	8.372	0.247	0.5	0.0395	0.0000OK	Infiltration	0.1				
720 minute summer	66	525	8.372	0.279	0.4	0.0441	0.0000OK	Infiltration	0.2				
720 minute summer	67	525	8.372	0.298	0.3	0.0458	0.0000OK	Infiltration	0.1				
720 minute summer	68	375	8.082	0.005	0.3	0.0008	0.0000OK	Infiltration	0.3				
720 minute summer	69	435	8.049	0.284	0.6	0.0454	0.0000OK	Infiltration	0.3				
720 minute summer	70	435	5.858	0.103	0.3	0.0165	0.0000OK	Infiltration	0.2				
720 minute summer	71	435	5.858	0.173	0.5	0.0277	0.0000OK	Infiltration	0.1				
720 minute summer	72	435	5.858	0.173	0.5	0.0277	0.0000OK	Infiltration	0.3				
720 minute summer	73	525	8.029	0.324	0.3	0.0518	0.0000OK	Infiltration	0.2				
720 minute summer	74	525	8.029	0.324	0.5	0.0518	0.0000OK	Infiltration	0.1				
720 minute summer	75	525	8.029	0.324	0.4	0.0518	0.0000OK	Infiltration	0.1				
720 minute summer	76	525	8.029	0.394	0.4	0.0599	0.0000OK	Infiltration	0.1				
720 minute summer	76_OUT	525	8.029	0.394	0.3	0.0630	0.0000OK	Infiltration	0.1				
720 minute summer	76_OUT	525	8.029	0.394	0.3	0.0630	0.0000OK	Infiltration	0.1				

Results for 30 year 720 minute winter, 660 minute analysis at 15 minute timestep, Mass balance: 98.71%

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	375	9.703	0.403	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.4	0.012	0.017	0.4853	
720 minute winter	2	375	9.702	0.452	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	0.7	0.023	0.036	1.1284	
720 minute winter	3	375	9.702	0.552	0.7	0.0000	0.0000	FLOOD RISK	1.002	4	0.9	-0.097	0.040	0.4986	
720 minute winter	4	375	9.702	0.802	5.1	0.0000	0.0000	FLOOD RISK	1.003	5	-5.1	-0.247	-0.222	0.8441	
720 minute winter	5	375	9.702	0.702	7.2	0.0000	0.0000	FLOOD RISK	1.004	6	-7.2	-0.236	-0.192	0.1621	
720 minute winter	6	375	9.702	0.802	11.6	0.0150	0.0000	FLOOD RISK	1.005	7	10.9	0.638	0.225	0.7796	
720 minute winter	7	375	9.698	0.948	17.2	3.8647	0.0000	FLOOD RISK	1.006	8	17.2	0.629	0.245	2.4923	
720 minute winter	8	375	9.692	1.142	29.8	7.8388	0.0000	FLOOD RISK	1.007	9	29.8	0.620	0.275	5.9230	
720 minute winter	9	375	9.684	1.334	59.5	12.9752	0.0000	FLOOD RISK	1.008	10	59.5	0.584	0.213	3.1360	
720 minute winter	10	375	9.682	1.382	54.4	2.4504	0.0000	FLOOD RISK	1.009	11	54.4	0.486	0.366	47.8913	
720 minute winter	11	375	9.642	1.642	54.4	0.0000	0.0000	FLOOD RISK	1.010	12	54.4	0.426	0.189	51.3276	
720 minute winter	12	135	7.750	1.900	54.4	0.0000	0.0000	FLOOD RISK	1.011	13	54.4	0.427	0.277	0.2622	
720 minute winter	13	375	9.571	0.071	54.4	0.0000	0.0000	OK	1.012	13_OUT	54.4	3.247	0.044	0.1004	
720 minute winter	13_OUT	765	7.749	0.215	54.4	0.0000	0.0000	OK	Flow through pond	49	168.2	0.021	0.000	2039.3107	
720 minute winter	14	375	9.652	0.352	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.1	0.005	0.005	0.8136	
720 minute winter	15	375	9.652	0.583	8.3	4.4899	0.0000	FLOOD RISK	2.001	16	8.3	0.536	0.171	0.9254	
720 minute winter	16	375	9.649	0.658	8.3	0.0000	0.0000	FLOOD RISK	2.002	17	8.3	0.536	0.188	0.6320	
720 minute winter	17	375	9.647	0.788	12.0	2.4455	0.0000	FLOOD RISK	2.003	18	12.0	0.547	0.181	1.6750	
720 minute winter	18	375	9.645	0.964	22.9	6.0623	0.0000	FLOOD RISK	2.004	19	22.9	0.558	0.182	5.4890	
720 minute winter	19	375	9.643	1.184	40.7	10.8814	0.0000	FLOOD RISK	2.005	20	40.7	0.569	0.206	4.0626	
720 minute winter	20	375	9.639	1.229	40.7	0.0000	0.0000	FLOOD RISK	2.006	21	40.7	0.775	0.206	3.4979	
720 minute winter	21	375	9.637	1.265	40.7	0.0000	0.0000	FLOOD RISK	2.007	22	40.7	0.739	0.088	3.7404	
720 minute winter	22	375	9.635	1.635	52.2	7.1031	0.0000	FLOOD RISK	2.008	23	52.2	0.624	0.181	53.3017	
720 minute winter	23	135	7.753	1.000	52.2	0.0000	0.0000	FLOOD RISK	2.009	24	52.2	0.410	0.266	0.2618	
720 minute winter	24	375	9.569	0.089	52.2	0.0000	0.0000	OK	2.010	24_OUT	52.2	3.208	0.042	0.0974	
720 minute winter	24_OUT	765	7.749	0.215	52.2	0.0000	0.0000	OK	Flow through pond	49	168.2	0.021	0.000	2039.3107	
720 minute winter	25	360	8.819	0.023	0.9	0.0146	0.0000	OK	3.000	26	0.9	0.414	0.050	0.0775	
720 minute winter	26	360	8.467	0.032	1.8	0.0659	0.0000	OK	3.001	27	1.5	0.583	0.098	0.1105	
									Infiltration		0.3				
720 minute winter	27	360	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				
720 minute winter	28	360	7.730	0.035	3.0	0.0954	0.0000	OK	3.003	29	2.6	0.850	0.119	0.1133	
									Infiltration		0.2				
720 minute winter	29	360	7.103	0.038	3.7	0.0615	0.0000	OK	3.004	30	3.5	1.045	0.127	0.6229	
									Infiltration		0.2				
720 minute winter	30	360	6.854	0.029	3.7	0.0935	0.0000	OK	3.005	31	3.7	0.159	0.092	0.7965	
720 minute winter	31	360	6.803	0.108	3.9	0.0136	0.0000	OK	3.006	32	3.1	0.081	0.092	1.1842	
									Infiltration		0.8				

720 minute winter	32	360	6.803	0.158	3.3	0.0198	0.0000OK	3.007	33	1.8	0.038	0.001	0.8281
								Infiltration		0.8			
								Infiltration		0.9			
720 minute winter	33	360	6.803	0.028	1.8	0.0033	0.0000OK	3.008	34	1.9	0.138	0.001	0.2855
720 minute winter	34	405	6.794	0.049	2.1	0.0058	0.0000OK	3.009	35	1.6	0.132	0.001	0.4938
								Infiltration		0.6			
720 minute winter	35	405	6.794	0.119	1.8	0.0142	0.0000OK	3.010	36	1.1	0.027	0.000	1.9308
								Infiltration		0.6			
720 minute winter	36	405	6.794	0.289	1.3	0.0329	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.1			
720 minute winter	37	360	6.508	0.004	0.2	0.0005	0.0000OK	3.012	38	0.2	0.023	0.000	1.0805
720 minute winter	38	405	6.411	0.148	1.5	0.0178	0.0000OK	3.013	39	-1.1	-0.087	-0.001	0.7081
								Infiltration		0.8			
								Infiltration		0.8			
720 minute winter	39	360	6.408	0.011	1.1	0.0013	0.0000OK	3.014	40	-0.9	-0.171	-0.001	0.0710
								Infiltration		0.0			
720 minute winter	40	360	6.704	0.009	0.9	0.0011	0.0000OK	3.015	41	-0.7	-0.152	0.000	0.6594
								Infiltration		0.0			
720 minute winter	41	360	6.874	0.009	0.7	0.0010	0.0000OK	3.016	42	-0.5	-0.129	0.000	0.9499
								Infiltration		0.0			
720 minute winter	42	360	7.692	0.007	0.5	0.0008	0.0000OK	3.017	43	-0.3	-0.084	0.000	0.9488
								Infiltration		0.0			
720 minute winter	43	345	7.153	0.008	0.3	0.0010	0.0000OK	3.018	44	-0.1	-0.041	0.000	0.5083
								Infiltration		0.0			
720 minute winter	44	360	7.229	0.004	0.2	0.0005	0.0000OK	3.019	45	0.1	0.030	0.000	0.9309
720 minute winter	45	360	7.201	0.009	0.3	0.0008	0.0000OK	3.020	46	0.3	0.078	0.000	0.9440
								Infiltration		0.0			
720 minute winter	46	360	7.132	0.007	0.5	0.0008	0.0000OK	3.021	47	0.5	0.115	0.000	0.6650
								Infiltration		0.0			
720 minute winter	47	360	6.974	0.008	0.7	0.0010	0.0000OK	3.022	48	0.6	0.078	0.000	0.3584
								Infiltration		0.0			
720 minute winter	48	420	6.878	0.081	0.8	0.0098	0.0000OK	3.023	49	0.9	0.082	0.001	0.8856
								Infiltration		0.1			
720 minute winter	49	795	7.747	-0.253	171.8	0.5000	0.0000OK	Crifice	50	0.0			
								Infiltration		0.0			
720 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
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	7.208	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
720 minute winter	53	420	6.875	0.091	1.1	0.0110	0.0000OK	3.024	54	0.8	0.117	0.000	1.7037
								Infiltration		0.2			
720 minute winter	54	420	6.878	0.251	1.0	0.0302	0.0000OK	3.025	54_OUT	0.9	0.032	0.000	0.8290
								Infiltration		0.2			
720 minute winter	54_OUT	420	6.878	0.371	0.7	0.0448	0.0000OK	Infiltration		0.3			

720 minute winter	55	345	8.472	0.026	0.5	0.0089	0.0000OK	5.009	56	0.5	0.238	0.088	0.0353
720 minute winter	56	380	8.443	0.027	1.0	0.0655	0.0000OK	5.001	57	0.9	0.302	0.071	0.1488
								Infiltration		0.1			
720 minute winter	57	450	8.409	0.099	1.4	0.2920	0.0000OK	5.002	58	1.3	0.287	0.152	0.4655
								Infiltration		0.2			
720 minute winter	58	450	8.409	0.104	1.8	1.1415	0.0000STUCK (CRASHED)	5.003	59	1.2	0.272	0.157	0.3806
								Infiltration		0.4			
720 minute winter	59	450	8.409	0.294	1.7	1.1770	0.0000OK	5.004	60	0.9	0.042	0.001	5.2983
								Infiltration		0.3			
720 minute winter	60	450	8.409	0.224	1.4	0.0762	0.0000OK	5.005	61	0.4	0.028	0.000	8.4853
								Infiltration		0.4			
720 minute winter	61	450	8.409	0.273	0.9	0.0929	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.6			
720 minute winter	62	380	8.148	0.019	0.5	0.0603	0.0000OK	5.007	63	0.5	0.042	0.000	5.5267
720 minute winter	63	480	8.064	0.228	1.0	0.0775	0.0000OK	5.008	63_OUT	0.2	0.015	0.000	4.9953
								Infiltration		0.5			
720 minute winter	63_OUT	480	8.064	0.299	0.5	0.1018	0.0000OK	Infiltration		0.3			
720 minute winter	64	555	6.378	0.193	0.2	0.0309	0.0000OK	6.000	65	0.1	0.041	0.000	1.6953
720 minute winter	65	555	6.378	0.253	0.3	0.0405	0.0000OK	6.001	66	0.1	0.039	0.000	2.4977
								Infiltration		0.1			
720 minute winter	66	555	6.378	0.285	0.3	0.0451	0.0000OK	6.002	67	-0.1	-0.002	0.000	1.4809
								Infiltration		0.2			
720 minute winter	67	555	6.378	0.302	0.2	0.0409	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
720 minute winter	68	315	6.083	0.004	0.2	0.0907	0.0000OK	6.004	69	0.2	0.028	0.000	3.1559
720 minute winter	69	465	6.048	0.283	0.4	0.0453	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
720 minute winter	70	485	5.857	0.102	0.2	0.0183	0.0000OK	6.006	71	0.2	0.034	0.000	0.5117
720 minute winter	71	485	5.857	0.172	0.4	0.0275	0.0000OK	6.007	72	0.2	0.009	0.000	2.3368
								Infiltration		0.1			
720 minute winter	72	465	5.857	0.172	0.4	0.0275	0.0000OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
720 minute winter	73	555	6.042	0.337	0.2	0.0539	0.0000OK	6.009	74	0.1	0.018	0.000	1.6881
720 minute winter	74	555	6.042	0.337	0.3	0.0539	0.0000OK	6.010	75	0.2	0.043	0.000	1.9093
								Infiltration		0.1			
720 minute winter	75	555	6.042	0.337	0.3	0.0538	0.0000OK	6.011	76	0.3	0.030	0.000	2.1050
								Infiltration		0.1			
720 minute winter	76	555	6.042	0.407	0.4	0.0618	0.0000OK	6.012	76_OUT	0.1	0.005	0.000	2.2388
								Infiltration		0.1			
720 minute winter	76_OUT	555	6.042	0.407	0.2	0.0651	0.0000OK	Infiltration		0.1			

Results for 30 year 960 minute summer. 1200 minute analysis at 15 minute timestep. Mass balance: 98.56%

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)
960 minute summer	1	495	9.722	0.422	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.4	0.013	0.018	0.4853	
960 minute summer	2	495	9.722	0.472	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	0.8	0.020	0.032	1.1284	
960 minute summer	3	495	9.722	0.572	3.5	0.0000	0.0000	FLOOD RISK	1.002	4	-3.5	-0.187	-0.195	0.4988	
960 minute summer	4	495	9.722	0.622	5.8	0.0000	0.0000	FLOOD RISK	1.003	5	-5.8	-0.194	-0.251	0.8441	
960 minute summer	5	495	9.722	0.722	8.7	0.0000	0.0000	FLOOD RISK	1.004	6	-8.7	-0.213	-0.178	0.1621	
960 minute summer	6	495	9.722	0.822	11.6	6.7768	0.0000	FLOOD RISK	1.005	7	11.6	0.581	0.239	0.7796	
960 minute summer	7	495	9.717	0.967	18.3	3.9424	0.0000	FLOOD RISK	1.006	8	18.3	0.545	0.291	2.4923	
960 minute summer	8	495	9.710	1.168	31.7	7.9545	0.0000	FLOOD RISK	1.007	9	31.7	0.825	0.293	5.9230	
960 minute summer	9	495	9.702	1.352	53.8	13.1433	0.0000	FLOOD RISK	1.008	10	53.8	0.487	0.227	3.1360	
960 minute summer	10	495	9.699	1.399	58.0	2.4805	0.0000	FLOOD RISK	1.009	11	58.0	0.432	0.380	47.8613	
960 minute summer	11	495	9.653	1.653	58.0	0.0000	0.0000	FLOOD RISK	1.010	12	58.0	0.501	0.291	53.3276	
960 minute summer	12	180	7.750	1.000	58.0	0.0000	0.0000	FLOOD RISK	1.011	13	58.0	0.453	0.295	0.2831	
960 minute summer	13	495	9.573	0.073	58.0	0.0000	0.0000	OK	1.012	13_OUT	58.0	3.310	0.047	0.1050	
960 minute summer	13_OUT	975	7.732	0.198	58.0	0.0000	0.0000	OK	Flow through pond	49	78.8	0.015	0.000	1892.8948	
960 minute summer	14	495	9.565	0.385	0.9	0.0000	0.0000	FLOOD RISK	2.000	15	-0.9	-0.028	-0.030	0.8138	
960 minute summer	15	495	9.565	0.579	8.9	4.5927	0.0000	FLOOD RISK	2.001	16	8.9	0.489	0.184	0.9254	
960 minute summer	16	495	9.562	0.671	8.9	0.0000	0.0000	FLOOD RISK	2.002	17	8.9	0.482	0.181	0.6329	
960 minute summer	17	495	9.560	0.801	13.5	2.4848	0.0000	FLOOD RISK	2.003	18	13.5	0.477	0.173	1.5750	
960 minute summer	18	495	9.557	0.978	24.5	8.1392	0.0000	FLOOD RISK	2.004	19	24.5	0.500	0.195	5.4890	
960 minute summer	19	495	9.552	1.198	43.5	10.7864	0.0000	FLOOD RISK	2.005	20	43.5	0.490	0.221	4.9628	
960 minute summer	20	495	9.550	1.239	43.5	0.0000	0.0000	FLOOD RISK	2.006	21	43.5	0.888	0.220	3.4978	
960 minute summer	21	495	9.548	1.276	43.5	0.0000	0.0000	FLOOD RISK	2.007	22	43.5	0.654	0.073	3.7404	
960 minute summer	22	495	9.546	1.646	55.7	7.1502	0.0000	FLOOD RISK	2.008	23	55.7	0.490	0.193	53.3017	
960 minute summer	23	180	7.750	1.000	55.7	0.0000	0.0000	FLOOD RISK	2.009	24	55.7	0.438	0.284	0.2827	
960 minute summer	24	495	9.571	0.071	55.7	0.0000	0.0000	OK	2.010	24_OUT	55.7	3.271	0.045	0.1018	
960 minute summer	24_OUT	975	7.733	0.198	55.7	0.0000	0.0000	OK	Flow through pond	49	78.8	0.015	0.000	1892.8948	
960 minute summer	25	495	8.820	0.024	1.0	0.0154	0.0000	OK	3.000	26	1.0	0.428	0.056	0.0838	
960 minute summer	26	495	8.486	0.933	2.0	0.0714	0.0000	OK	3.001	27	1.7	0.577	0.109	0.1199	
								Infiltration			0.3				
960 minute summer	27	495	8.150	0.035	2.7	0.0911	0.0000	OK	3.002	28	2.4	0.738	0.118	0.1055	
								Infiltration			0.4				
960 minute summer	28	495	7.732	0.637	3.4	0.0721	0.0000	OK	3.003	29	3.2	0.877	0.134	0.1290	
								Infiltration			0.2				
960 minute summer	29	495	7.105	0.040	4.2	0.0679	0.0000	OK	3.004	30	4.0	1.079	0.143	0.5250	
								Infiltration			0.2				
960 minute summer	30	495	8.858	0.031	4.2	0.0037	0.0000	OK	3.005	31	4.2	0.139	0.002	0.8247	
960 minute summer	31	480	8.868	0.111	4.4	0.0133	0.0000	OK	3.006	32	3.5	0.099	0.002	1.2131	
								Infiltration			0.9				

960 minute summer	32	480	8.866	0.181	3.7	0.0193	0.0000OK	3.007	33	2.0	0.035	0.001	0.8518
								Infiltration		0.8			
								Infiltration		0.9			
960 minute summer	33	480	8.805	0.033	2.2	0.0036	0.0000OK	3.008	34	2.2	0.147	0.002	0.3862
960 minute summer	34	510	8.800	0.055	2.4	0.0066	0.0000OK	3.009	35	1.9	0.151	0.001	0.5332
								Infiltration		0.6			
960 minute summer	35	510	8.800	0.125	2.1	0.0150	0.0000OK	3.010	36	1.3	0.027	0.000	2.5003
								Infiltration		0.6			
960 minute summer	36	510	8.800	0.295	1.5	0.0336	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.1			
960 minute summer	37	495	8.509	0.004	0.2	0.0005	0.0000OK	3.012	38	0.2	0.023	0.000	1.0227
960 minute summer	38	510	8.407	0.142	1.5	0.0170	0.0000OK	3.013	39	-1.1	-0.087	-0.001	0.6819
								Infiltration		0.6			
								Infiltration		0.6			
960 minute summer	39	495	8.460	0.011	1.1	0.0013	0.0000OK	3.014	40	-0.9	-0.171	-0.001	0.0710
								Infiltration		0.0			
960 minute summer	40	495	8.704	0.008	0.9	0.0011	0.0000OK	3.015	41	-0.7	-0.152	0.000	0.6594
								Infiltration		0.0			
960 minute summer	41	495	8.874	0.008	0.7	0.0010	0.0000OK	3.016	42	-0.5	-0.129	0.000	0.9499
								Infiltration		0.0			
960 minute summer	42	495	7.092	0.007	0.5	0.0005	0.0000OK	3.017	43	-0.3	-0.084	0.000	0.9488
								Infiltration		0.0			
960 minute summer	43	480	7.153	0.008	0.3	0.0010	0.0000OK	3.018	44	-0.1	-0.041	0.000	0.5083
								Infiltration		0.0			
960 minute summer	44	495	7.229	0.004	0.2	0.0005	0.0000OK	3.019	45	0.1	0.030	0.000	0.9309
960 minute summer	45	495	7.201	0.008	0.3	0.0005	0.0000OK	3.020	46	0.3	0.078	0.000	0.9440
								Infiltration		0.0			
960 minute summer	46	495	7.132	0.007	0.5	0.0008	0.0000OK	3.021	47	0.5	0.115	0.000	0.6550
								Infiltration		0.0			
960 minute summer	47	495	8.974	0.008	0.7	0.0010	0.0000OK	3.022	48	0.6	0.075	0.000	0.2241
								Infiltration		0.0			
960 minute summer	48	540	8.847	0.052	0.8	0.0082	0.0000OK	3.023	49	0.8	0.089	0.001	0.4322
								Infiltration		0.0			
960 minute summer	49	1155	7.730	-0.270	112.0	0.0000	0.0000OK	Crifice	50	0.0			
								Infiltration		0.0			
960 minute summer	50	15	7.400	0.003	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
960 minute summer	51	15	7.360	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
960 minute summer	52	15	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.5000
960 minute summer	53	540	8.846	0.061	1.0	0.0074	0.0000OK	3.024	54	1.0	0.117	0.000	1.3830
								Infiltration		0.2			
960 minute summer	54	540	8.848	0.221	1.2	0.0266	0.0000OK	3.025	54_OUT	0.9	0.032	0.000	0.3413
								Infiltration		0.2			
960 minute summer	54_OUT	540	8.848	0.341	0.7	0.0410	0.0000OK	Infiltration		0.3			

960 minute summer	55	485	8.472	0.026	0.5	0.0088	0.0000OK	5.000	56	0.5	0.238	0.088	0.0353
960 minute summer	56	495	8.443	0.027	1.0	0.0655	0.0000OK	5.001	57	0.9	0.302	0.071	0.1071
								Infiltration		0.1			
960 minute summer	57	570	8.384	0.074	1.4	0.1705	0.0000OK	5.002	58	1.3	0.290	0.152	0.3990
								Infiltration		0.2			
960 minute summer	58	575	8.384	0.138	1.8	0.9183	0.0000OK	5.003	59	1.2	0.288	0.158	0.3842
								Infiltration		0.4			
960 minute summer	59	570	8.384	0.178	1.7	1.0917	0.0000OK	5.004	60	1.0	0.642	0.001	4.5038
								Infiltration		0.3			
960 minute summer	60	575	8.384	0.183	1.5	0.0875	0.0000OK	5.005	61	0.4	0.028	0.000	7.3527
								Infiltration		0.4			
960 minute summer	61	575	8.384	0.248	0.9	0.0842	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.6			
960 minute summer	62	510	8.148	0.013	0.5	0.0933	0.0000OK	5.007	63	0.5	0.642	0.000	4.8176
960 minute summer	63	585	8.041	0.205	1.0	0.0895	0.0000OK	5.008	63_OUT	0.2	0.015	0.000	4.4134
								Infiltration		0.4			
960 minute summer	63_OUT	585	8.041	0.275	0.5	0.0937	0.0000OK	Infiltration		0.3			
960 minute summer	64	645	8.355	0.170	0.3	0.0272	0.0000OK	6.000	65	0.1	0.641	0.000	1.4729
960 minute summer	65	645	8.355	0.230	0.4	0.0368	0.0000OK	6.001	66	0.1	0.639	0.000	2.2150
								Infiltration		0.1			
960 minute summer	66	645	8.355	0.282	0.4	0.0414	0.0000OK	6.002	67	-0.1	-0.002	0.000	1.3249
								Infiltration		0.2			
960 minute summer	67	645	8.355	0.278	0.3	0.0433	0.0000OK	6.003	68	0.0	0.600	0.000	0.0000
								Infiltration		0.1			
960 minute summer	68	495	8.082	0.008	0.3	0.0008	0.0000OK	6.004	69	0.3	0.628	0.000	2.8857
960 minute summer	69	555	8.030	0.265	0.6	0.0424	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
960 minute summer	70	555	5.843	0.088	0.3	0.0140	0.0000OK	6.006	71	0.2	0.634	0.000	0.7138
960 minute summer	71	555	5.843	0.158	0.5	0.0252	0.0000OK	6.007	72	0.2	0.609	0.000	2.5504
								Infiltration		0.1			
960 minute summer	72	555	5.843	0.158	0.5	0.0252	0.0000OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
960 minute summer	73	645	6.008	0.303	0.3	0.0485	0.0000OK	6.009	74	0.2	0.018	0.000	1.4574
960 minute summer	74	645	6.008	0.303	0.5	0.0485	0.0000OK	6.010	75	0.2	0.643	0.000	1.6504
								Infiltration		0.1			
960 minute summer	75	645	6.008	0.303	0.4	0.0485	0.0000OK	6.011	76	0.3	0.630	0.000	1.8431
								Infiltration		0.1			
960 minute summer	76	645	6.008	0.373	0.4	0.0587	0.0000OK	6.012	76_OUT	0.1	0.605	0.000	1.9788
								Infiltration		0.1			
960 minute summer	76_OUT	645	6.008	0.373	0.3	0.0597	0.0000OK	Infiltration		0.1			

Results for 30 year 960 minute winter, 1200 minute analysis at 15 minute timestep, Mass balance: 86.85%

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)
960 minute winter	1	495	9.647	0.347	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.2	0.007	0.010	0.4850	
960 minute winter	2	495	9.647	0.397	0.2	0.0000	0.0000	FLOOD RISK	1.001	3	0.3	0.009	0.013	1.1284	
960 minute winter	3	495	9.647	0.497	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.128	-0.023	0.4985	
960 minute winter	4	495	9.647	0.547	3.4	0.0000	0.0000	FLOOD RISK	1.003	5	-3.4	-0.159	-0.149	0.8441	
960 minute winter	5	495	9.647	0.647	5.4	0.0000	0.0000	FLOOD RISK	1.004	6	-5.4	-0.170	-0.145	0.1521	
960 minute winter	6	495	9.647	0.747	10.3	6.1586	0.0000	FLOOD RISK	1.005	7	8.6	0.591	0.177	0.7796	
960 minute winter	7	495	9.644	0.894	13.8	3.6448	0.0000	FLOOD RISK	1.006	8	13.8	0.584	0.194	2.4923	
960 minute winter	8	495	9.643	1.090	23.6	7.4843	0.0000	FLOOD RISK	1.007	9	23.6	0.564	0.216	5.9030	
960 minute winter	9	495	9.638	1.286	49.0	12.5004	0.0000	FLOOD RISK	1.008	10	49.0	0.517	0.169	3.1360	
960 minute winter	10	495	9.634	1.334	43.1	2.3950	0.0000	FLOOD RISK	1.009	11	43.1	0.452	0.292	47.8513	
960 minute winter	11	495	9.609	1.609	43.1	0.0000	0.0000	FLOOD RISK	1.010	12	43.1	0.458	0.150	53.3278	
960 minute winter	12	185	7.750	1.900	43.1	0.0000	0.0000	FLOOD RISK	1.011	13	43.1	0.343	0.219	0.2591	
960 minute winter	13	495	9.583	0.983	43.1	0.0000	0.0000	OK	1.012	13_OUT	43.1	3.029	0.035	0.0853	
960 minute winter	13_OUT	975	7.763	0.230	43.1	0.0000	0.0000	OK	Flow through pond	49	152.5	0.019	0.000	2163.0122	
960 minute winter	14	495	9.615	0.315	1.9	0.0000	0.0000	FLOOD RISK	2.000	15	-1.9	-0.118	-0.084	0.8138	
960 minute winter	15	495	9.615	0.529	6.6	4.1936	0.0000	FLOOD RISK	2.001	16	6.6	0.510	0.138	0.9254	
960 minute winter	16	495	9.613	0.622	6.6	0.0000	0.0000	FLOOD RISK	2.002	17	6.6	0.490	0.134	0.6320	
960 minute winter	17	495	9.612	0.750	10.0	2.3301	0.0000	FLOOD RISK	2.003	18	10.0	0.500	0.126	1.8750	
960 minute winter	18	495	9.610	0.929	18.2	5.8482	0.0000	FLOOD RISK	2.004	19	18.2	0.522	0.145	5.4890	
960 minute winter	19	495	9.608	1.152	32.3	10.3856	0.0000	FLOOD RISK	2.005	20	32.3	0.511	0.184	4.0528	
960 minute winter	20	495	9.606	1.195	32.3	0.0000	0.0000	FLOOD RISK	2.006	21	32.3	0.718	0.183	3.4979	
960 minute winter	21	495	9.605	1.233	32.3	0.0000	0.0000	FLOOD RISK	2.007	22	32.3	0.681	0.054	3.7404	
960 minute winter	22	495	9.604	1.604	41.4	6.8891	0.0000	FLOOD RISK	2.008	23	41.4	0.480	0.144	53.3017	
960 minute winter	23	165	7.753	1.000	41.4	0.0000	0.0000	FLOOD RISK	2.009	24	41.4	0.330	0.211	0.2588	
960 minute winter	24	495	9.562	0.082	41.4	0.0000	0.0000	OK	2.010	24_OUT	41.4	2.990	0.033	0.0629	
960 minute winter	24_OUT	975	7.763	0.230	41.4	0.0000	0.0000	OK	Flow through pond	49	152.5	0.019	0.000	2163.0122	
960 minute winter	25	450	8.818	0.020	0.7	0.0136	0.0000	OK	3.000	26	0.7	0.386	0.009	0.0544	
960 minute winter	26	450	8.463	0.028	1.4	0.0522	0.0000	OK	3.001	27	1.2	0.519	0.074	0.0906	
								Infiltration			0.2				
960 minute winter	27	450	8.144	0.029	1.9	0.0647	0.0000	OK	3.002	28	1.6	0.657	0.079	0.0793	
								Infiltration			0.3				
960 minute winter	28	450	7.725	0.030	2.3	0.0526	0.0000	OK	3.003	29	2.1	0.735	0.069	0.0981	
								Infiltration			0.2				
960 minute winter	29	450	7.095	0.033	2.8	0.0487	0.0000	OK	3.004	30	2.7	0.987	0.095	0.0185	
								Infiltration			0.2				
960 minute winter	30	450	6.849	0.024	2.6	0.0028	0.0000	OK	3.005	31	2.6	0.138	0.001	0.6653	
960 minute winter	31	525	6.791	0.096	2.9	0.0115	0.0000	OK	3.006	32	2.1	0.080	0.001	1.0530	
								Infiltration			0.7				

960 minute winter	32	525	6.791	0.148	2.2	0.0175	0.0000OK	3.007	33	0.5	0.011	0.000	0.7132
								Infiltration		0.8			
								Infiltration		0.9			
960 minute winter	33	540	6.791	0.016	0.6	0.0018	0.0000OK	3.008	34	0.6	0.093	0.000	0.0904
960 minute winter	34	540	6.758	0.011	0.7	0.0013	0.0000OK	3.009	35	0.6	0.125	0.000	0.0479
								Infiltration		0.1			
960 minute winter	35	540	6.683	0.058	0.7	0.0010	0.0000OK	3.010	36	0.7	0.027	0.000	0.7955
								Infiltration		0.1			
960 minute winter	36	540	6.682	0.177	0.6	0.0202	0.0000OK	3.011	37	0.6	0.060	0.000	0.0000
								Infiltration		0.5			
960 minute winter	37	330	6.508	0.003	0.1	0.0003	0.0000OK	3.012	38	0.1	0.023	0.000	0.5385
960 minute winter	38	815	6.347	0.062	0.7	0.0098	0.0000OK	3.013	39	-0.5	-0.087	0.000	0.3805
								Infiltration		0.3			
								Infiltration		0.4			
960 minute winter	39	330	6.402	0.007	0.5	0.0008	0.0000OK	3.014	40	-0.4	-0.130	0.000	0.0481
								Infiltration		0.0			
960 minute winter	40	330	6.701	0.008	0.4	0.0007	0.0000OK	3.015	41	-0.3	-0.116	0.000	0.0389
								Infiltration		0.0			
960 minute winter	41	330	6.871	0.006	0.3	0.0007	0.0000OK	3.016	42	-0.2	-0.097	0.000	0.0324
								Infiltration		0.0			
960 minute winter	42	330	7.669	0.004	0.3	0.0005	0.0000OK	3.017	43	-0.2	-0.084	0.000	0.0319
								Infiltration		0.0			
960 minute winter	43	330	7.159	0.005	0.2	0.0006	0.0000OK	3.018	44	-0.1	-0.032	0.000	0.0251
								Infiltration		0.0			
960 minute winter	44	330	7.228	0.003	0.1	0.0003	0.0000OK	3.019	45	0.0	0.023	0.000	0.0202
960 minute winter	45	345	7.199	0.004	0.1	0.0005	0.0000OK	3.020	46	0.1	0.059	0.000	0.0288
								Infiltration		0.0			
960 minute winter	46	345	7.136	0.005	0.2	0.0005	0.0000OK	3.021	47	0.2	0.087	0.000	0.0357
								Infiltration		0.0			
960 minute winter	47	345	6.971	0.006	0.3	0.0007	0.0000OK	3.022	48	0.3	0.060	0.000	0.1568
								Infiltration		0.0			
960 minute winter	48	675	6.831	0.036	0.4	0.0043	0.0000OK	3.023	49	0.4	0.085	0.001	0.3034
								Infiltration		0.0			
960 minute winter	49	1065	7.769	-0.240	163.0	0.5000	0.0000OK	Office	50	0.0			
								Infiltration		0.0			
960 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
960 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
960 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
960 minute winter	53	675	6.831	0.046	0.5	0.0055	0.0000OK	3.024	54	0.5	0.117	0.000	1.1930
								Infiltration		0.1			
960 minute winter	54	675	6.831	0.206	0.6	0.0247	0.0000OK	3.025	54_OUT	0.6	0.032	0.000	3.0941
								Infiltration		0.2			
960 minute winter	54_OUT	675	6.831	0.326	0.7	0.0391	0.0000OK	Infiltration		0.3			

960 minute winter	55	450	8.470	0.024	0.4	0.0080	0.0000OK	5.000	56	0.4	0.224	0.054	0.0360
960 minute winter	56	465	8.440	0.024	0.8	0.0631	0.0000OK	5.001	57	0.7	0.282	0.056	0.0978
								Infiltration		0.1			
960 minute winter	57	500	8.378	0.088	1.1	0.1468	0.0000OK	5.002	58	1.0	0.268	0.127	0.3774
								Infiltration		0.2			
960 minute winter	58	600	8.378	0.133	1.4	0.8677	0.0000OK	5.003	59	0.9	0.289	0.128	0.3784
								Infiltration		0.4			
960 minute winter	59	600	8.378	0.173	1.3	0.9620	0.0000OK	5.004	60	0.7	0.042	0.001	4.3248
								Infiltration		0.3			
960 minute winter	60	600	8.378	0.193	1.1	0.0855	0.0000OK	5.005	61	0.4	0.029	0.000	7.1082
								Infiltration		0.4			
960 minute winter	61	600	8.378	0.242	0.8	0.0822	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.8			
960 minute winter	62	495	8.145	0.009	0.4	0.0028	0.0000OK	5.007	63	0.4	0.042	0.000	4.8367
960 minute winter	63	615	8.041	0.205	0.6	0.0998	0.0000OK	5.008	63_OUT	0.2	0.018	0.000	4.4333
								Infiltration		0.4			
960 minute winter	63_OUT	615	8.041	0.276	0.4	0.0939	0.0000OK	Infiltration		0.3			
960 minute winter	64	705	6.368	0.184	0.2	0.0294	0.0000OK	6.000	65	0.1	0.041	0.000	1.8007
960 minute winter	65	705	6.368	0.244	0.2	0.0390	0.0000OK	6.001	66	0.1	0.039	0.000	2.3779
								Infiltration		0.1			
960 minute winter	66	705	6.368	0.276	0.3	0.0436	0.0000OK	6.002	67	-0.1	-0.002	0.000	1.4147
								Infiltration		0.2			
960 minute winter	67	705	6.368	0.290	0.2	0.0454	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
960 minute winter	68	450	6.083	0.004	0.2	0.0007	0.0000OK	6.004	69	0.2	0.029	0.000	3.0309
960 minute winter	69	570	6.040	0.275	0.4	0.0440	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
960 minute winter	70	570	5.847	0.092	0.2	0.0148	0.0000OK	6.006	71	0.2	0.034	0.000	0.7402
960 minute winter	71	570	5.847	0.182	0.4	0.0258	0.0000OK	6.007	72	0.2	0.009	0.000	2.6282
								Infiltration		0.1			
960 minute winter	72	570	5.847	0.182	0.4	0.0258	0.0000OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
960 minute winter	73	705	6.035	0.330	0.2	0.0528	0.0000OK	6.009	74	0.1	0.018	0.000	1.8389
960 minute winter	74	705	6.035	0.330	0.3	0.0528	0.0000OK	6.010	75	0.2	0.043	0.000	1.8558
								Infiltration		0.1			
960 minute winter	75	705	6.035	0.330	0.3	0.0528	0.0000OK	6.011	76	0.3	0.030	0.000	2.0515
								Infiltration		0.1			
960 minute winter	76	705	6.035	0.400	0.4	0.0808	0.0000OK	6.012	76_OUT	0.1	0.005	0.000	2.1832
								Infiltration		0.1			
960 minute winter	76_OUT	705	6.035	0.400	0.2	0.0640	0.0000OK	Infiltration		0.1			

Results for 30 year 1440 minute summer, 1800 minute analysis at 30 minute timestep, Mass balance: 98.74%

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	750	9.637	0.337	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.2	0.005	0.008	0.4853	
1440 minute summer	2	750	9.637	0.387	0.2	0.0000	0.0000	FLOOD RISK	1.001	3	0.2	0.008	0.012	1.1264	
1440 minute summer	3	750	9.637	0.487	0.2	0.0000	0.0000	FLOOD RISK	1.002	4	0.3	0.009	0.014	0.4988	
1440 minute summer	4	750	9.637	0.537	0.3	0.0000	0.0000	FLOOD RISK	1.003	5	0.4	0.013	0.018	0.8441	
1440 minute summer	5	750	9.637	0.637	1.2	0.0000	0.0000	FLOOD RISK	1.004	8	-1.2	-0.087	-0.031	0.1821	
1440 minute summer	6	750	9.637	0.737	8.2	0.0740	0.0000	FLOOD RISK	1.005	7	8.2	0.490	0.168	0.7798	
1440 minute summer	7	750	9.634	0.884	12.9	3.8048	0.0000	FLOOD RISK	1.006	8	12.8	0.474	0.184	2.4923	
1440 minute summer	8	750	9.631	1.081	22.4	7.4192	0.0000	FLOOD RISK	1.007	9	22.4	0.462	0.207	5.9230	
1440 minute summer	9	750	9.627	1.277	37.9	12.4136	0.0000	FLOOD RISK	1.008	10	37.9	0.435	0.180	3.1360	
1440 minute summer	10	750	9.625	1.325	40.8	2.3498	0.0000	FLOOD RISK	1.009	11	40.8	0.379	0.270	47.8813	
1440 minute summer	11	750	9.603	1.803	40.8	0.0000	0.0000	FLOOD RISK	1.010	12	40.8	0.344	0.142	83.3278	
1440 minute summer	12	270	7.750	1.008	40.8	0.0000	0.0000	FLOOD RISK	1.011	13	40.8	0.325	0.208	0.2584	
1440 minute summer	13	750	9.581	0.881	40.8	0.0000	0.0000	OK	1.012	13_OUT	40.8	2.875	0.833	0.8821	
1440 minute summer	13_OUT	1470	7.751	0.218	40.8	0.0000	0.0000	OK	Flow through pond	48	52.8	0.010	0.000	2058.0061	
1440 minute summer	14	750	9.608	0.308	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.0	-0.001	-0.001	0.8138	
1440 minute summer	15	750	9.608	0.522	5.2	4.1380	0.0000	FLOOD RISK	2.001	16	6.2	0.410	0.128	0.9254	
1440 minute summer	16	750	9.606	0.615	5.2	0.0000	0.0000	FLOOD RISK	2.002	17	6.2	0.419	0.106	0.6320	
1440 minute summer	17	750	9.605	0.746	9.4	2.3156	0.0000	FLOOD RISK	2.003	18	9.4	0.413	0.120	1.8750	
1440 minute summer	18	750	9.604	0.923	17.2	5.8057	0.0000	FLOOD RISK	2.004	19	17.2	0.401	0.137	5.4890	
1440 minute summer	19	750	9.602	1.148	30.6	10.3304	0.0000	FLOOD RISK	2.005	20	30.6	0.432	0.155	4.0828	
1440 minute summer	20	750	9.600	1.189	30.6	0.0000	0.0000	FLOOD RISK	2.006	21	30.6	0.605	0.155	3.4978	
1440 minute summer	21	750	9.600	1.228	30.6	0.0000	0.0000	FLOOD RISK	2.007	22	30.6	0.584	0.051	3.7404	
1440 minute summer	22	750	9.598	1.598	39.2	8.9439	0.0000	FLOOD RISK	2.008	23	39.2	0.215	0.138	53.3017	
1440 minute summer	23	270	7.750	1.600	39.2	0.0000	0.0000	FLOOD RISK	2.009	24	39.2	0.310	0.200	0.2682	
1440 minute summer	24	750	9.580	0.650	39.2	0.0000	0.0000	OK	2.010	24_OUT	39.2	2.840	0.632	0.0788	
1440 minute summer	24_OUT	1470	7.751	0.218	39.2	0.0000	0.0000	OK	Flow through pond	49	52.8	0.010	0.000	2058.0061	
1440 minute summer	25	750	8.816	0.020	6.7	0.0130	0.0000	OK	3.000	26	6.7	0.358	0.039	0.0844	
1440 minute summer	26	750	8.483	0.028	1.4	0.0522	0.0000	OK	3.001	27	1.2	0.519	0.074	0.0908	
								Infiltration			0.2				
1440 minute summer	27	750	8.144	0.029	1.9	0.0647	0.0000	OK	3.002	28	1.6	0.657	0.079	0.0793	
								Infiltration			0.3				
1440 minute summer	28	750	7.725	0.030	2.3	0.0520	0.0000	OK	3.003	29	2.1	0.785	0.088	0.0981	
								Infiltration			0.2				
1440 minute summer	29	750	7.098	0.033	2.8	0.0487	0.0000	OK	3.004	30	2.7	0.957	0.095	0.0186	
								Infiltration			0.2				
1440 minute summer	30	750	6.849	0.024	2.8	0.0029	0.0000	OK	3.005	31	2.5	0.135	0.001	0.8852	
1440 minute summer	31	750	6.791	0.088	2.9	0.0115	0.0000	OK	3.006	32	2.1	0.658	0.001	1.0552	
								Infiltration			0.7				
1440 minute summer	32	750	6.791	0.148	2.2	0.0175	0.0000	OK	3.007	33	6.5	0.011	0.000	0.7131	

								Infiltration			0.8			
								Infiltration			0.8			
1440 minute summer	33	750	8.791	0.018	0.8	0.0019	0.0000OK	3.008	34	0.8	0.093	0.000	0.0993	
1440 minute summer	34	750	8.758	0.011	0.7	0.0013	0.0000OK	3.009	35	0.8	0.125	0.000	0.0478	
								Infiltration			0.1			
1440 minute summer	35	750	8.683	0.008	0.7	0.0010	0.0000OK	3.010	36	0.7	0.017	0.000	0.0921	
								Infiltration			0.1			
1440 minute summer	36	780	8.683	0.158	0.8	0.0180	0.0000OK	3.011	37	0.8	0.009	0.000	0.0000	
								Infiltration			0.7			
1440 minute summer	37	830	8.508	0.003	0.1	0.0003	0.0000OK	3.012	38	0.1	0.011	0.000	0.5385	
1440 minute summer	38	870	8.347	0.082	0.7	0.0098	0.0000OK	3.013	39	-0.5	-0.045	0.000	0.3805	
								Infiltration			0.3			
								Infiltration			0.4			
1440 minute summer	39	830	8.452	0.007	0.5	0.0009	0.0000OK	3.014	40	-0.4	-0.130	0.000	0.0481	
								Infiltration			0.0			
1440 minute summer	40	830	8.701	0.006	0.4	0.0007	0.0000OK	3.015	41	-0.3	-0.118	0.000	0.0388	
								Infiltration			0.0			
1440 minute summer	41	830	8.871	0.006	0.3	0.0007	0.0000OK	3.016	42	-0.2	-0.097	0.000	0.0324	
								Infiltration			0.0			
1440 minute summer	42	830	7.689	0.004	0.3	0.0005	0.0000OK	3.017	43	-0.2	-0.064	0.000	0.0319	
								Infiltration			0.0			
1440 minute summer	43	830	7.159	0.005	0.2	0.0006	0.0000OK	3.018	44	-0.1	-0.031	0.000	0.0251	
								Infiltration			0.0			
1440 minute summer	44	830	7.228	0.003	0.1	0.0003	0.0000OK	3.019	45	0.0	0.023	0.000	0.0202	
1440 minute summer	45	880	7.199	0.004	0.1	0.0005	0.0000OK	3.020	46	0.1	0.059	0.000	0.0285	
								Infiltration			0.0			
1440 minute summer	46	890	7.130	0.005	0.2	0.0005	0.0000OK	3.021	47	0.2	0.087	0.000	0.0357	
								Infiltration			0.0			
1440 minute summer	47	880	8.971	0.006	0.3	0.0007	0.0000OK	3.022	48	0.3	0.090	0.000	0.1208	
								Infiltration			0.0			
1440 minute summer	48	870	6.822	0.027	0.4	0.0032	0.0000OK	3.023	50	0.4	0.065	0.001	0.2510	
								Infiltration			0.0			
1440 minute summer	49	1650	7.748	-0.252	75.3	0.0000	0.0000OK	Office	50	0.0				
								Infiltration			0.0			
1440 minute summer	50	30	7.400	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000	
1440 minute summer	51	30	7.300	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000	
1440 minute summer	52	30	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000	
1440 minute summer	53	870	6.821	0.036	0.5	0.0040	0.0000OK	3.024	54	0.5	0.104	0.000	1.0952	
								Infiltration			0.1			
1440 minute summer	54	870	6.821	0.198	0.6	0.0235	0.0000OK	3.025	54_OUT	0.4	0.026	0.000	2.9505	
								Infiltration			0.2			
1440 minute summer	54_OUT	870	6.821	0.318	0.5	0.0379	0.0000OK	Infiltration			0.3			
1440 minute summer	55	750	8.470	0.024	0.4	0.0080	0.0000OK	5.000	56	0.4	0.224	0.054	0.0300	
1440 minute summer	56	750	8.440	0.024	0.8	0.0531	0.0000OK	5.001	57	0.7	0.282	0.058	0.0532	

1440 minute summer	57	810	8.348	0.038	1.1	0.0528	0.0000OK	Infiltration	5.052	58	1.0	0.287	0.127	0.2517
1440 minute summer	58	840	8.347	0.102	1.4	0.0026	0.0000OK	Infiltration	5.003	59	0.8	0.288	0.125	0.3320
1440 minute summer	59	840	8.347	0.142	1.3	0.7572	0.0000OK	Infiltration	5.004	60	0.7	0.042	0.001	3.4236
1440 minute summer	60	840	8.347	0.162	1.1	0.0549	0.0000OK	Infiltration	5.005	61	0.4	0.025	0.000	5.8291
1440 minute summer	61	840	8.347	0.211	0.8	0.0716	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
1440 minute summer	62	750	8.143	0.008	0.4	0.0028	0.0000OK	Infiltration	5.007	63	0.4	0.041	0.000	3.9845
1440 minute summer	63	840	8.012	0.178	0.8	0.0599	0.0000OK	Infiltration	5.008	63_OUT	0.2	0.017	0.000	3.7528
1440 minute summer	63_OUT	840	8.012	0.247	0.4	0.0841	0.0000OK	Infiltration	5.009		0.4			
1440 minute summer	64	930	6.317	0.132	0.2	0.0211	0.0000OK	Infiltration	8.000	65	0.1	0.040	0.000	1.1261
1440 minute summer	65	930	6.317	0.192	0.3	0.0387	0.0000OK	Infiltration	8.001	66	0.2	0.022	0.000	1.7728
1440 minute summer	66	930	6.317	0.224	0.3	0.0353	0.0000OK	Infiltration	8.002	67	-0.1	0.002	0.000	1.0798
1440 minute summer	67	930	6.317	0.241	0.2	0.0373	0.0000OK	Infiltration	8.003	68	0.0	0.000	0.000	0.0000
1440 minute summer	68	750	6.080	0.004	0.2	0.0057	0.0000OK	Infiltration	8.004	69	0.2	0.017	0.000	2.2625
1440 minute summer	69	930	5.981	0.216	0.4	0.0345	0.0000OK	Infiltration	8.005	70	0.0	0.000	0.000	0.0000
1440 minute summer	70	780	5.799	0.044	0.2	0.0070	0.0000OK	Infiltration	8.006	71	0.2	0.023	0.000	0.4294
1440 minute summer	71	780	5.799	0.114	0.4	0.0182	0.0000OK	Infiltration	8.007	72	0.1	0.008	0.000	1.7141
1440 minute summer	72	780	5.799	0.114	0.3	0.0182	0.0000OK	Infiltration	8.008	73	0.0	0.000	0.000	0.0000
1440 minute summer	73	930	5.988	0.253	0.2	0.0421	0.0000OK	Infiltration	8.009	74	0.1	0.015	0.000	1.2012
1440 minute summer	74	930	5.988	0.283	0.3	0.0421	0.0000OK	Infiltration	8.010	75	0.2	0.040	0.000	1.3802
1440 minute summer	75	930	5.988	0.283	0.3	0.0421	0.0000OK	Infiltration	8.011	76	0.2	0.020	0.000	1.5477
1440 minute summer	76	930	5.988	0.323	0.3	0.0806	0.0000OK	Infiltration	8.012	76_OUT	0.1	0.003	0.000	1.6829
1440 minute summer	76_OUT	930	5.988	0.333	0.2	0.0530	0.0000OK	Infiltration	8.013		0.1			

Results for 30 year 1440 minute winter, 1440 minute analysis at 30 minute timestep, Mass balance: 97.68%

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)
1440 minute winter	1	750	9.597	0.297	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.1	0.003	0.006	0.4853	
1440 minute winter	2	750	9.597	0.347	0.1	0.0000	0.0000	FLOOD RISK	1.001	3	0.1	0.005	0.007	1.1264	
1440 minute winter	3	750	9.598	0.448	0.1	0.0000	0.0000	FLOOD RISK	1.002	4	0.2	0.009	0.009	0.4988	
1440 minute winter	4	750	9.598	0.498	0.7	0.0000	0.0000	FLOOD RISK	1.003	5	-0.7	-0.055	-0.028	0.8441	
1440 minute winter	5	750	9.597	0.697	1.7	0.0000	0.0000	FLOOD RISK	1.004	6	-1.7	-0.070	-0.040	0.1921	
1440 minute winter	6	750	9.597	0.697	0.2	5.7488	0.0000	FLOOD RISK	1.005	7	0.2	0.514	0.120	0.7796	
1440 minute winter	7	750	9.596	0.840	9.8	3.4481	0.0000	FLOOD RISK	1.006	8	9.8	0.507	0.140	2.4923	
1440 minute winter	8	750	9.594	1.044	16.9	7.1882	0.0000	FLOOD RISK	1.007	9	16.9	0.481	0.158	5.9230	
1440 minute winter	9	750	9.592	1.242	28.6	12.0725	0.0000	FLOOD RISK	1.008	10	28.6	0.447	0.121	3.1380	
1440 minute winter	10	750	9.591	1.291	30.8	2.2866	0.0000	FLOOD RISK	1.009	11	30.8	0.402	0.208	47.8913	
1440 minute winter	11	750	9.578	1.578	30.8	0.0000	0.0000	FLOOD RISK	1.010	12	30.8	0.407	0.107	53.3278	
1440 minute winter	12	240	7.750	1.000	30.8	0.0000	0.0000	FLOOD RISK	1.011	13	30.8	0.249	0.157	0.2554	
1440 minute winter	13	750	9.554	0.054	30.8	0.0000	0.0000	OK	1.012	13_OUT	30.8	2.733	0.025	0.0875	
1440 minute winter	13_OUT	1440	7.784	0.251	30.8	0.0000	0.0000	OK	Flow through pond	49	115.8	0.013	0.000	2348.7578	
1440 minute winter	14	750	9.580	0.280	0.5	0.0000	0.0000	FLOOD RISK	2.000	15	-0.5	-0.010	-0.017	0.8138	
1440 minute winter	15	750	9.580	0.494	4.7	3.9181	0.0000	FLOOD RISK	2.001	16	4.7	0.435	0.097	0.9254	
1440 minute winter	16	750	9.579	0.588	4.7	0.0000	0.0000	FLOOD RISK	2.002	17	4.7	0.440	0.095	0.6320	
1440 minute winter	17	750	9.579	0.720	7.1	2.2332	0.0000	FLOOD RISK	2.003	18	7.1	0.452	0.091	1.0750	
1440 minute winter	18	750	9.578	0.897	12.9	5.8425	0.0000	FLOOD RISK	2.004	19	12.9	0.459	0.102	5.4890	
1440 minute winter	19	750	9.577	1.121	23.0	10.1054	0.0000	FLOOD RISK	2.005	20	23.0	0.451	0.117	4.9528	
1440 minute winter	20	750	9.578	1.185	23.0	0.0000	0.0000	FLOOD RISK	2.006	21	23.0	0.810	0.110	3.4979	
1440 minute winter	21	750	9.575	1.203	23.0	0.0000	0.0000	FLOOD RISK	2.007	22	23.0	0.638	0.039	3.7404	
1440 minute winter	22	750	9.575	1.575	29.5	8.8414	0.0000	FLOOD RISK	2.008	23	29.5	0.296	0.102	53.3017	
1440 minute winter	23	240	7.750	1.000	29.5	0.0000	0.0000	FLOOD RISK	2.009	24	29.5	0.239	0.150	0.2552	
1440 minute winter	24	750	9.553	0.053	29.5	0.0000	0.0000	OK	2.010	24_OUT	29.5	2.698	0.024	0.0855	
1440 minute winter	24_OUT	1440	7.784	0.251	29.5	0.0000	0.0000	OK	Flow through pond	49	115.8	0.013	0.000	2348.7578	
1440 minute winter	25	690	8.813	0.017	0.5	0.0110	0.0000	OK	3.000	26	0.5	0.355	0.028	0.0502	
1440 minute winter	26	690	8.459	0.023	1.0	0.0391	0.0000	OK	3.001	27	0.8	0.489	0.051	0.0895	
								Infiltration			0.2				
1440 minute winter	27	690	8.139	0.024	1.3	0.0471	0.0000	OK	3.002	28	1.1	0.585	0.053	0.0602	
								Infiltration			0.2				
1440 minute winter	28	690	7.720	0.025	1.5	0.0384	0.0000	OK	3.003	29	1.4	0.793	0.060	0.0720	
								Infiltration			0.2				
1440 minute winter	29	690	7.092	0.027	1.9	0.0300	0.0000	OK	3.004	30	1.8	0.887	0.065	0.0141	
								Infiltration			0.1				
1440 minute winter	30	690	6.544	0.019	1.9	0.0023	0.0000	OK	3.005	31	1.9	0.130	0.001	0.5477	
1440 minute winter	31	810	6.774	0.079	2.0	0.0095	0.0000	OK	3.006	32	1.4	0.050	0.001	0.8849	
								Infiltration			0.8				

1440 minute winter	32	810	6.774	0.128	1.8	0.0155	0.0000	OK	3.087	33	-0.1	-0.094	0.000	0.5736
									Infiltration		0.7			
									Infiltration		0.9			
1440 minute winter	33	540	6.777	0.032	0.1	0.0003	0.0000	OK	3.088	34	0.0	0.000	0.000	0.0184
1440 minute winter	34	570	6.748	0.003	0.1	0.0004	0.0000	OK	3.089	35	0.1	0.055	0.000	0.0171
									Infiltration		0.0			
1440 minute winter	35	570	6.878	0.034	0.2	0.0004	0.0000	OK	3.010	36	0.2	0.017	0.000	0.2791
									Infiltration		0.0			
1440 minute winter	36	810	6.578	0.073	0.3	0.0003	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
1440 minute winter	37	540	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.011	0.000	0.5385
1440 minute winter	38	810	6.347	0.082	0.7	0.0008	0.0000	OK	3.013	39	-0.5	-0.045	0.000	0.3805
									Infiltration		0.3			
									Infiltration		0.4			
1440 minute winter	39	540	6.482	0.007	0.5	0.0008	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461
									Infiltration		0.0			
1440 minute winter	40	540	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			
1440 minute winter	41	540	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			
1440 minute winter	42	540	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			
1440 minute winter	43	540	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			
1440 minute winter	44	540	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202
1440 minute winter	45	570	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			
1440 minute winter	46	570	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			
1440 minute winter	47	570	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.080	0.000	0.1727
									Infiltration		0.0			
1440 minute winter	48	980	6.835	0.040	0.4	0.0048	0.0000	OK	3.023	53	0.4	0.055	0.001	0.3349
									Infiltration		0.0			
1440 minute winter	49	1500	7.780	-0.220	119.0	0.0000	0.0000	OK	3.024	50	0.0			
									Infiltration		0.0			
1440 minute winter	50	30	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
1440 minute winter	51	30	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
1440 minute winter	52	30	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
1440 minute winter	53	980	6.835	0.050	0.5	0.0000	0.0000	OK	3.024	54	0.5	0.104	0.000	1.2350
									Infiltration		0.1			
1440 minute winter	54	980	6.835	0.210	0.6	0.0252	0.0000	OK	3.025	54_OUT	0.4	0.020	0.000	3.1554
									Infiltration		0.2			
1440 minute winter	54_OUT	980	6.835	0.330	0.5	0.0308	0.0000	OK	3.025		0.3			

1440 minute winter	55	890	8.469	0.020	0.3	0.0075	0.0000	OK	5.090	56	0.3	0.296	0.041	0.0243
1440 minute winter	56	890	8.437	0.021	0.8	0.0408	0.0000	OK	5.091	57	0.5	0.259	0.041	0.0427
									Infiltration		0.1			
1440 minute winter	57	890	8.341	0.031	0.8	0.0351	0.0000	OK	5.092	58	0.7	0.257	0.093	0.2021
									Infiltration		0.1			
1440 minute winter	58	840	8.333	0.088	1.0	0.4889	0.0000	OK	5.093	59	0.8	0.257	0.108	0.2984
									Infiltration		0.4			
1440 minute winter	59	840	8.333	0.128	1.1	0.5716	0.0000	OK	5.094	60	0.8	0.042	0.001	3.0478
									Infiltration		0.3			
1440 minute winter	60	840	8.333	0.148	0.9	0.0503	0.0000	OK	5.095	61	0.3	0.025	0.000	5.2924
									Infiltration		0.3			
1440 minute winter	61	840	8.333	0.197	0.8	0.0689	0.0000	OK	5.096	62	0.0	0.000	0.000	0.0000
									Infiltration		0.5			
1440 minute winter	62	750	8.143	0.097	0.3	0.0624	0.0000	OK	5.097	63	0.3	0.041	0.000	3.8537
1440 minute winter	63	840	8.508	0.172	0.5	0.0563	0.0000	OK	5.098	63_OUT	0.2	0.017	0.000	3.8455
									Infiltration		0.4			
1440 minute winter	63_OUT	840	8.099	0.243	0.4	0.0825	0.0000	OK	Infiltration		0.3			
1440 minute winter	64	990	6.303	0.118	0.1	0.0189	0.0000	OK	5.099	65	0.1	0.040	0.000	1.0123
1440 minute winter	65	990	6.303	0.178	0.2	0.0285	0.0000	OK	5.091	66	0.2	0.022	0.000	1.6267
									Infiltration		0.1			
1440 minute winter	66	990	6.303	0.210	0.3	0.0332	0.0000	OK	5.092	67	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
1440 minute winter	67	990	6.303	0.227	0.1	0.0352	0.0000	OK	5.093	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
1440 minute winter	68	540	6.579	0.093	0.1	0.0654	0.0000	OK	5.094	69	0.1	0.017	0.000	2.9484
1440 minute winter	69	990	5.809	0.294	0.2	0.0326	0.0000	OK	5.095	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
1440 minute winter	70	990	5.779	0.024	0.1	0.0639	0.0000	OK	5.096	71	0.1	0.023	0.000	0.3159
1440 minute winter	71	990	5.779	0.094	0.2	0.0151	0.0000	OK	5.097	72	0.1	0.008	0.000	1.3773
									Infiltration		0.1			
1440 minute winter	72	990	5.779	0.094	0.2	0.0151	0.0000	OK	5.098	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
1440 minute winter	73	990	5.960	0.255	0.1	0.0408	0.0000	OK	5.099	74	0.1	0.015	0.000	1.1522
1440 minute winter	74	990	5.960	0.255	0.2	0.0408	0.0000	OK	5.010	75	0.2	0.040	0.000	1.3047
									Infiltration		0.1			
1440 minute winter	75	990	5.960	0.255	0.3	0.0408	0.0000	OK	5.011	76	0.2	0.020	0.000	1.4910
									Infiltration		0.1			
1440 minute winter	76	990	5.960	0.325	0.3	0.0494	0.0000	OK	5.012	76_OUT	0.1	0.003	0.000	1.8293
									Infiltration		0.1			
1440 minute winter	76_OUT	990	5.960	0.325	0.2	0.0520	0.0000	OK	Infiltration		0.1			

Results for 30 year 2160 minute summer, 2400 minute analysis at 60 minute timestep, Mass balance: 96.85%

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)
2160 minute summer	1	1140	9.563	0.289	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	-0.001	-0.001	0.4653	
2160 minute summer	2	1140	9.569	0.339	0.1	0.0000	0.0000	FLOOD RISK	1.001	3	-0.1	-0.002	-0.003	1.1264	
2160 minute summer	3	1140	9.566	0.440	0.1	0.0000	0.0000	FLOOD RISK	1.002	4	0.0	-0.001	-0.002	0.4688	
2160 minute summer	4	1140	9.560	0.490	0.0	0.0000	0.0000	FLOOD RISK	1.003	5	0.0	-0.001	-0.001	0.8441	
2160 minute summer	5	1140	9.568	0.589	0.1	0.0000	0.0000	FLOOD RISK	1.004	6	-0.1	-0.002	-0.001	0.1821	
2160 minute summer	6	1140	9.569	0.689	5.7	5.6841	0.0000	FLOOD RISK	1.005	7	5.7	0.428	0.118	0.7796	
2160 minute summer	7	1140	9.568	0.838	9.0	3.4170	0.0000	FLOOD RISK	1.006	8	9.0	0.425	0.128	2.4923	
2160 minute summer	8	1140	9.567	1.037	15.6	7.1156	0.0000	FLOOD RISK	1.007	9	15.6	0.412	0.144	5.9230	
2160 minute summer	9	1140	9.565	1.285	26.5	12.6048	0.0000	FLOOD RISK	1.008	10	26.5	0.387	0.112	3.1360	
2160 minute summer	10	1140	9.564	1.284	26.6	2.2764	0.0000	FLOOD RISK	1.009	11	26.6	0.336	0.194	47.8613	
2160 minute summer	11	1140	9.573	1.573	28.6	0.0000	0.0000	FLOOD RISK	1.010	12	28.6	0.146	0.099	63.3278	
2160 minute summer	12	360	7.750	1.006	28.6	0.0000	0.0000	FLOOD RISK	1.011	13	28.6	0.232	0.146	0.2547	
2160 minute summer	13	1140	9.552	0.652	28.6	0.0000	0.0000	OK	1.012	13_OUT	28.6	2.672	0.623	0.6641	
2160 minute summer	13_OUT	2220	7.772	0.238	28.6	0.0000	0.0000	OK	Flow through pond	49	33.5	0.006	0.000	2247.9414	
2160 minute summer	14	1140	9.575	0.275	0.3	0.0000	0.0000	FLOOD RISK	2.000	15	-0.3	-0.021	-0.011	0.8136	
2160 minute summer	15	1140	9.575	0.489	4.4	3.6789	0.0000	FLOOD RISK	2.001	16	4.4	0.370	0.091	0.9254	
2160 minute summer	16	1140	9.574	0.583	4.4	0.0000	0.0000	FLOOD RISK	2.002	17	4.4	0.380	0.089	0.6320	
2160 minute summer	17	1140	9.574	0.715	6.7	2.2177	0.0000	FLOOD RISK	2.003	18	6.7	0.376	0.086	1.8750	
2160 minute summer	18	1140	9.573	0.892	12.1	5.8115	0.0000	FLOOD RISK	2.004	19	12.1	0.363	0.086	5.4890	
2160 minute summer	19	1140	9.572	1.118	21.5	10.5625	0.0000	FLOOD RISK	2.005	20	21.5	0.379	0.109	4.0828	
2160 minute summer	20	1140	9.571	1.160	21.5	0.0000	0.0000	FLOOD RISK	2.006	21	21.5	0.532	0.108	3.4979	
2160 minute summer	21	1140	9.571	1.199	21.5	0.0000	0.0000	FLOOD RISK	2.007	22	21.5	0.525	0.036	3.7404	
2160 minute summer	22	1140	9.570	1.570	27.5	6.8216	0.0000	FLOOD RISK	2.008	23	27.5	0.141	0.095	53.3017	
2160 minute summer	23	360	7.756	1.600	27.5	0.0000	0.0000	FLOOD RISK	2.009	24	27.5	0.224	0.140	0.2646	
2160 minute summer	24	1140	9.551	0.651	27.5	0.0000	0.0000	OK	2.010	24_OUT	27.5	2.641	0.622	0.6623	
2160 minute summer	24_OUT	2220	7.772	0.238	27.5	0.0000	0.0000	OK	Flow through pond	49	33.5	0.006	0.000	2247.9414	
2160 minute summer	25	1140	8.813	0.017	0.5	0.0110	0.0000	OK	3.000	26	0.5	0.356	0.028	0.0502	
2160 minute summer	26	1140	8.458	0.023	1.0	0.0391	0.0000	OK	3.001	27	0.8	0.489	0.051	0.0695	
								Infiltration			0.2				
2160 minute summer	27	1140	8.138	0.024	1.3	0.0471	0.0000	OK	3.002	28	1.1	0.565	0.053	0.0802	
								Infiltration			0.2				
2160 minute summer	28	1140	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				
2160 minute summer	29	1140	7.092	0.027	1.9	0.0380	0.0000	OK	3.004	30	1.8	0.897	0.065	0.0141	
								Infiltration			0.1				
2160 minute summer	30	1140	6.844	0.018	1.9	0.0023	0.0000	OK	3.005	31	1.8	0.128	0.001	0.5443	
2160 minute summer	31	1140	6.774	0.079	2.0	0.0094	0.0000	OK	3.006	32	1.4	0.652	0.001	0.8797	
								Infiltration			0.6				
2160 minute summer	32	1140	6.774	0.129	1.6	0.0154	0.0000	OK	3.007	33	-0.1	-0.004	0.000	0.5708	

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2160 minute summer	57	1140	8.341	0.031	0.8	0.0361	0.0000OK	Infiltration	5.052	58	0.7	0.260	0.000	0.1503
2160 minute summer	58	1200	8.313	0.068	1.0	0.3170	0.0000OK	Infiltration	5.003	59	0.8	0.258	0.104	0.2367
2160 minute summer	59	1200	8.313	0.108	1.1	0.5503	0.0000OK	Infiltration	5.004	60	0.8	0.041	0.001	2.5266
2160 minute summer	60	1200	8.313	0.128	0.9	0.0435	0.0000OK	Infiltration	5.005	61	0.3	0.028	0.000	4.5458
2160 minute summer	61	1200	8.313	0.177	0.0	0.0801	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
2160 minute summer	62	1140	8.143	0.007	0.3	0.0024	0.0000OK	Infiltration	5.007	63	0.3	0.040	0.000	3.2952
2160 minute summer	63	1260	7.987	0.151	0.6	0.0513	0.0000OK	Infiltration	5.008	63_OUT	0.1	0.014	0.000	3.1902
2160 minute summer	63_OUT	1260	7.987	0.222	0.4	0.0755	0.0000OK	Infiltration	5.009					
2160 minute summer	64	1320	6.291	0.106	0.1	0.0159	0.0000OK	Infiltration	5.010	65	0.1	0.024	0.000	0.9100
2160 minute summer	65	1320	6.291	0.186	0.2	0.0285	0.0000OK	Infiltration	5.011	66	0.1	0.005	0.000	1.4948
2160 minute summer	66	1320	6.291	0.198	0.2	0.0312	0.0000OK	Infiltration	5.012	67	0.0	0.001	0.000	0.9248
2160 minute summer	67	1320	6.291	0.213	0.1	0.0333	0.0000OK	Infiltration	5.013	68	0.0	0.000	0.000	0.0000
2160 minute summer	68	960	6.079	0.003	0.1	0.0004	0.0000OK	Infiltration	5.014	69	0.1	0.009	0.000	1.9779
2160 minute summer	69	1320	5.963	0.198	0.2	0.0317	0.0000OK	Infiltration	5.015	70	0.0	0.000	0.000	0.0000
2160 minute summer	70	1320	5.775	0.020	0.1	0.0033	0.0000OK	Infiltration	5.016	71	0.1	0.014	0.000	0.2640
2160 minute summer	71	1320	5.775	0.090	0.2	0.0145	0.0000OK	Infiltration	5.017	72	0.1	0.008	0.000	1.3120
2160 minute summer	72	1320	5.775	0.090	0.2	0.0145	0.0000OK	Infiltration	5.018	73	0.0	0.000	0.000	0.0000
2160 minute summer	73	1320	5.938	0.234	0.1	0.0375	0.0000OK	Infiltration	5.019	74	0.1	0.013	0.000	1.0301
2160 minute summer	74	1320	5.938	0.234	0.2	0.0375	0.0000OK	Infiltration	5.010	75	0.1	0.018	0.000	1.1805
2160 minute summer	75	1320	5.938	0.234	0.2	0.0375	0.0000OK	Infiltration	5.011	76	0.1	0.008	0.000	1.3488
2160 minute summer	76	1320	5.938	0.304	0.2	0.0463	0.0000OK	Infiltration	5.012	76_OUT	0.1	0.001	0.000	1.4851
2160 minute summer	76_OUT	1320	5.938	0.304	0.2	0.0463	0.0000OK	Infiltration	5.013					

Results for 30 year 2160 minute winter. 2400 minute analysis at 60 minute timestep. Mass balance: 97.28%

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)
2160 minute winter	1	1080	9.568	0.288	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	-0.001	-0.002	0.4853	
2160 minute winter	2	1080	9.568	0.318	1.3	0.0600	0.0000	FLOOD RISK	1.001	3	-1.3	-0.088	-0.097	1.1264	
2160 minute winter	3	1140	9.568	0.418	2.6	0.0600	0.0000	FLOOD RISK	1.002	4	-2.6	-0.088	-0.121	0.4988	
2160 minute winter	4	1080	9.568	0.489	2.9	0.0000	0.0000	FLOOD RISK	1.003	5	-2.9	-0.094	-0.128	0.8441	
2160 minute winter	5	1080	9.568	0.608	3.1	0.0000	0.0000	FLOOD RISK	1.004	6	-3.1	-0.190	-0.084	0.1921	
2160 minute winter	6	1140	9.568	0.608	4.8	5.5097	0.0000	FLOOD RISK	1.005	7	4.4	0.454	0.091	0.7796	
2160 minute winter	7	1080	9.568	0.818	6.9	3.3328	0.0000	FLOOD RISK	1.006	8	6.9	0.437	0.099	2.4923	
2160 minute winter	8	1140	9.567	1.017	12.0	6.9786	0.0000	FLOOD RISK	1.007	9	12.0	0.436	0.111	5.9230	
2160 minute winter	9	1080	9.565	1.215	26.4	11.8168	0.0000	FLOOD RISK	1.008	10	26.4	0.403	0.088	3.1380	
2160 minute winter	10	1080	9.565	1.285	22.0	2.2430	0.0000	FLOOD RISK	1.009	11	22.0	0.362	0.148	47.8913	
2160 minute winter	11	1140	9.558	1.558	22.0	0.0000	0.0000	FLOOD RISK	1.010	12	22.0	0.183	0.076	53.3278	
2160 minute winter	12	360	7.750	1.000	22.0	0.0000	0.0000	FLOOD RISK	1.011	13	22.0	0.181	0.112	0.2525	
2160 minute winter	13	1140	9.546	0.046	22.0	0.0600	0.0000	OK	1.012	13_OUT	22.0	2.472	0.016	0.0533	
2160 minute winter	13_OUT	2160	7.809	0.276	22.0	0.0600	0.0000	OK	Flow through pond		49	46.9	0.007	0.000	2584.9663
2160 minute winter	14	1080	9.580	0.280	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.0	0.002	0.002	0.8138	
2160 minute winter	15	1080	9.580	0.474	3.4	3.7545	0.0000	FLOOD RISK	2.001	16	3.4	0.390	0.070	0.9254	
2160 minute winter	16	1080	9.559	0.568	3.4	0.0000	0.0000	FLOOD RISK	2.002	17	3.4	0.380	0.069	0.6320	
2160 minute winter	17	1080	9.559	0.760	5.1	2.1715	0.0000	FLOOD RISK	2.003	18	5.1	0.392	0.095	1.6750	
2160 minute winter	18	1080	9.558	0.877	9.3	5.5198	0.0000	FLOOD RISK	2.004	19	9.3	0.399	0.074	5.4690	
2160 minute winter	19	1140	9.558	1.102	18.5	9.9353	0.0000	FLOOD RISK	2.005	20	18.5	0.398	0.084	4.9528	
2160 minute winter	20	1140	9.557	1.149	18.5	0.0000	0.0000	FLOOD RISK	2.006	21	18.5	0.542	0.083	3.4979	
2160 minute winter	21	1140	9.557	1.186	18.5	0.0000	0.0000	FLOOD RISK	2.007	22	18.5	0.583	0.026	3.7404	
2160 minute winter	22	1140	9.557	1.557	21.2	6.7629	0.0000	FLOOD RISK	2.008	23	21.2	0.134	0.074	53.3017	
2160 minute winter	23	360	7.750	1.000	21.2	0.0600	0.0000	FLOOD RISK	2.009	24	21.2	0.175	0.108	0.2524	
2160 minute winter	24	1140	9.545	0.045	21.2	0.0600	0.0000	OK	2.010	24_OUT	21.2	2.446	0.017	0.0518	
2160 minute winter	24_OUT	2160	7.809	0.276	21.2	0.0600	0.0000	OK	Flow through pond		49	46.9	0.007	0.000	2584.9663
2160 minute winter	25	1080	8.812	0.016	0.4	0.0099	0.0000	OK	3.000	26	0.4	0.335	0.023	0.0425	
2160 minute winter	26	1080	8.456	0.021	0.8	0.0324	0.0000	OK	3.001	27	0.8	0.438	0.040	0.0581	
											Infiltration		0.2		
2160 minute winter	27	1080	8.138	0.021	1.0	0.0362	0.0000	OK	3.002	28	0.8	0.541	0.041	0.0500	
											Infiltration		0.2		
2160 minute winter	28	1080	7.717	0.022	1.2	0.0314	0.0000	OK	3.003	29	1.1	0.652	0.046	0.0960	
											Infiltration		0.1		
2160 minute winter	29	1080	7.088	0.023	1.5	0.0295	0.0000	OK	3.004	30	1.4	0.809	0.050	0.0115	
											Infiltration		0.1		
2160 minute winter	30	1080	6.542	0.017	1.5	0.0020	0.0000	OK	3.005	31	1.5	0.128	0.001	0.3901	
2160 minute winter	31	1200	6.751	0.056	1.5	0.0057	0.0000	OK	3.006	32	1.2	0.052	0.001	0.0841	
											Infiltration		0.4		

2160 minute winter	32	1200	6.791	0.108	1.4	0.0127	0.0000	OK	3.087	33	-0.1	-0.094	0.000	0.4549
									Infiltration		0.8			
									Infiltration		0.8			
2160 minute winter	33	980	6.777	0.032	0.1	0.0003	0.0000	OK	3.088	34	0.0	0.000	0.000	0.0184
2160 minute winter	34	980	6.748	0.003	0.1	0.0004	0.0000	OK	3.089	35	0.1	0.055	0.000	0.0171
									Infiltration		0.0			
2160 minute winter	35	980	6.679	0.004	0.2	0.0004	0.0000	OK	3.010	36	0.2	0.012	0.000	0.2791
									Infiltration		0.0			
2160 minute winter	36	1200	6.578	0.073	0.3	0.0003	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
2160 minute winter	37	980	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.006	0.000	0.5385
2160 minute winter	38	1200	6.347	0.082	0.7	0.0008	0.0000	OK	3.013	39	-0.5	-0.030	0.000	0.3805
									Infiltration		0.3			
									Infiltration		0.4			
2160 minute winter	39	980	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			
2160 minute winter	40	980	6.701	0.000	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.118	0.000	0.0380
									Infiltration		0.0			
2160 minute winter	41	980	6.671	0.000	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324
									Infiltration		0.0			
2160 minute winter	42	980	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			
2160 minute winter	43	980	7.150	0.000	0.2	0.0008	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251
									Infiltration		0.0			
2160 minute winter	44	980	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202
2160 minute winter	45	980	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			
2160 minute winter	46	980	7.130	0.000	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357
									Infiltration		0.0			
2160 minute winter	47	980	6.971	0.000	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.058	0.000	0.1702
									Infiltration		0.0			
2160 minute winter	48	1320	6.834	0.008	0.4	0.0047	0.0000	OK	3.023	53	0.4	0.055	0.001	0.3300
									Infiltration		0.0			
2160 minute winter	49	2400	7.804	-0.180	49.1	0.0000	0.0000	OK	3.024	50	0.0			
									Infiltration		0.0			
2160 minute winter	50	50	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
2160 minute winter	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
2160 minute winter	52	80	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
2160 minute winter	53	1320	6.834	0.049	0.5	0.0008	0.0000	OK	3.024	54	0.5	0.112	0.000	1.2285
									Infiltration		0.1			
2160 minute winter	54	1320	6.834	0.209	0.6	0.0251	0.0000	OK	3.025	54_OUT	0.6	0.013	0.000	3.1458
									Infiltration		0.2			
2160 minute winter	54_OUT	1320	6.834	0.329	0.6	0.0395	0.0000	OK	Infiltration		0.3			

2160 minute winter	55	980	8.463	0.017	0.2	0.0058	0.0000	OK	5.090	56	0.2	0.184	0.027	0.0182
2160 minute winter	56	980	8.433	0.017	0.4	0.0280	0.0000	OK	5.091	57	0.3	0.228	0.027	0.0312
									Infiltration		0.1			
2160 minute winter	57	960	8.335	0.025	0.5	0.0250	0.0000	OK	5.092	58	0.5	0.238	0.058	0.0915
									Infiltration		0.1			
2160 minute winter	58	1320	8.287	0.042	0.7	0.1278	0.0000	OK	5.093	59	0.5	0.253	0.071	0.1523
									Infiltration		0.2			
2160 minute winter	59	1320	8.288	0.031	0.7	0.3884	0.0000	OK	5.094	60	0.5	0.041	0.001	1.8875
									Infiltration		0.3			
2160 minute winter	60	1320	8.288	0.101	0.7	0.0344	0.0000	OK	5.095	61	0.3	0.020	0.000	3.5961
									Infiltration		0.3			
2160 minute winter	61	1320	8.286	0.150	0.5	0.0510	0.0000	OK	5.096	62	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
2160 minute winter	62	1020	8.142	0.036	0.2	0.0018	0.0000	OK	5.097	63	0.2	0.040	0.000	2.9284
2160 minute winter	63	1320	7.973	0.137	0.4	0.0465	0.0000	OK	5.098	63_OUT	0.1	0.014	0.000	2.8874
									Infiltration		0.3			
2160 minute winter	63_OUT	1320	7.973	0.208	0.3	0.0708	0.0000	OK	Infiltration		0.3			
2160 minute winter	64	1440	6.324	0.139	0.1	0.0222	0.0000	OK	5.099	65	0.1	0.024	0.000	1.1877
2160 minute winter	65	1440	6.324	0.199	0.2	0.0318	0.0000	OK	5.091	66	0.1	0.005	0.000	1.8518
									Infiltration		0.1			
2160 minute winter	66	1440	6.324	0.231	0.2	0.0365	0.0000	OK	5.092	67	0.0	0.001	0.000	1.1234
									Infiltration		0.1			
2160 minute winter	67	1440	6.324	0.240	0.1	0.0384	0.0000	OK	5.093	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
2160 minute winter	68	640	6.079	0.003	0.1	0.0004	0.0000	OK	5.094	69	0.1	0.009	0.000	2.1353
2160 minute winter	69	1440	5.978	0.211	0.2	0.0337	0.0000	OK	5.095	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
2160 minute winter	70	1440	5.785	0.030	0.1	0.0049	0.0000	OK	5.096	71	0.1	0.014	0.000	0.3508
2160 minute winter	71	1440	5.785	0.100	0.2	0.0181	0.0000	OK	5.097	72	0.1	0.008	0.000	1.4810
									Infiltration		0.1			
2160 minute winter	72	1440	5.785	0.100	0.2	0.0161	0.0000	OK	5.098	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
2160 minute winter	73	1440	5.995	0.280	0.1	0.0485	0.0000	OK	5.099	74	0.1	0.013	0.000	1.3739
2160 minute winter	74	1440	5.995	0.280	0.2	0.0485	0.0000	OK	5.010	75	0.1	0.019	0.000	1.6558
									Infiltration		0.1			
2160 minute winter	75	1440	5.995	0.290	0.2	0.0465	0.0000	OK	5.011	76	0.1	0.006	0.000	1.7409
									Infiltration		0.1			
2160 minute winter	76	1440	5.995	0.360	0.2	0.0548	0.0000	OK	5.012	76_OUT	0.1	0.001	0.000	1.8811
									Infiltration		0.1			
2160 minute winter	76_OUT	1440	5.995	0.360	0.2	0.0577	0.0000	OK	Infiltration		0.1			

Results for 30 year 2880 minute summer, 3120 minute analysis at 60 minute timestep, Mass balance: 97.11%

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)
2880 minute summer	1	1440	9.573	0.273	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	-0.001	-0.002	0.4853	
2880 minute summer	2	1500	9.573	0.323	0.0	0.0000	0.0000	FLOOD RISK	1.001	3	0.0	-0.001	-0.002	1.1264	
2880 minute summer	3	1500	9.574	0.424	0.0	0.0000	0.0000	FLOOD RISK	1.002	4	-0.0	-0.110	-0.023	0.4988	
2880 minute summer	4	1500	9.573	0.473	1.2	0.0000	0.0000	FLOOD RISK	1.003	5	-1.2	-0.000	-0.054	0.8441	
2880 minute summer	5	1500	9.573	0.573	1.7	0.0000	0.0000	FLOOD RISK	1.004	6	-1.7	-0.054	-0.045	0.1821	
2880 minute summer	6	1500	9.573	0.673	4.7	5.5494	0.0000	FLOOD RISK	1.005	7	4.7	0.405	0.097	0.7795	
2880 minute summer	7	1500	9.572	0.822	7.4	3.3520	0.0000	FLOOD RISK	1.006	8	7.4	0.380	0.160	2.4923	
2880 minute summer	8	1500	9.571	1.021	12.9	7.0100	0.0000	FLOOD RISK	1.007	9	12.9	0.363	0.119	5.9230	
2880 minute summer	9	1500	9.570	1.220	21.9	11.8015	0.0000	FLOOD RISK	1.008	10	21.9	0.357	0.092	3.1360	
2880 minute summer	10	1500	9.569	1.269	23.6	2.2506	0.0000	FLOOD RISK	1.009	11	23.6	0.314	0.160	47.8913	
2880 minute summer	11	1500	9.582	1.582	23.6	0.0000	0.0000	FLOOD RISK	1.010	12	23.6	0.138	0.082	63.3278	
2880 minute summer	12	420	7.750	1.000	23.6	0.0000	0.0000	FLOOD RISK	1.011	13	23.6	0.194	0.120	0.2530	
2880 minute summer	13	1500	9.547	0.047	23.6	0.0000	0.0000	OK	1.012	13_OUT	23.6	2.523	0.018	0.0500	
2880 minute summer	13_OUT	2940	7.791	0.258	23.6	0.0000	0.0000	OK	Flow through pond	49	39.0	0.005	0.000	2427.1028	
2880 minute summer	14	1500	9.583	0.283	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.1	0.003	0.003	0.8130	
2880 minute summer	15	1440	9.553	0.477	3.0	3.7824	0.0000	FLOOD RISK	2.001	16	3.8	0.342	0.074	0.9254	
2880 minute summer	16	1440	9.553	0.572	3.0	0.0000	0.0000	FLOOD RISK	2.002	17	3.0	0.357	0.073	0.6320	
2880 minute summer	17	1440	9.582	0.703	5.5	2.1822	0.0000	FLOOD RISK	2.003	18	5.6	0.357	0.070	1.8750	
2880 minute summer	18	1440	9.582	0.881	10.0	5.5408	0.0000	FLOOD RISK	2.004	19	10.0	0.374	0.079	5.4890	
2880 minute summer	19	1500	9.561	1.105	17.7	9.8044	0.0000	FLOOD RISK	2.005	20	17.7	0.350	0.090	4.0828	
2880 minute summer	20	1500	9.561	1.150	17.7	0.0000	0.0000	FLOOD RISK	2.006	21	17.7	0.482	0.088	3.4978	
2880 minute summer	21	1500	9.560	1.188	17.7	0.0000	0.0000	FLOOD RISK	2.007	22	17.7	0.491	0.030	3.7404	
2880 minute summer	22	1440	9.560	1.580	22.7	6.7784	0.0000	FLOOD RISK	2.008	23	22.7	0.110	0.079	53.3017	
2880 minute summer	23	480	7.750	1.000	22.7	0.0000	0.0000	FLOOD RISK	2.009	24	22.7	0.186	0.110	0.2629	
2880 minute summer	24	1500	9.547	0.047	22.7	0.0000	0.0000	OK	2.010	24_OUT	22.7	2.495	0.018	0.0545	
2880 minute summer	24_OUT	2940	7.791	0.258	22.7	0.0000	0.0000	OK	Flow through pond	49	39.0	0.005	0.000	2427.1028	
2880 minute summer	25	1500	8.812	0.018	0.4	0.0099	0.0000	OK	3.000	26	0.4	0.350	0.022	0.0425	
2880 minute summer	26	1500	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				
2880 minute summer	27	1500	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				
2880 minute summer	28	1500	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				
2880 minute summer	29	1500	7.068	0.023	1.5	0.0295	0.0000	OK	3.004	30	1.4	0.800	0.050	0.0116	
								Infiltration			0.1				
2880 minute summer	30	1500	6.842	0.017	1.5	0.0020	0.0000	OK	3.005	31	1.5	0.128	0.001	0.3873	
2880 minute summer	31	1500	6.751	0.056	1.6	0.0087	0.0000	OK	3.006	32	1.2	0.652	0.001	0.0590	
								Infiltration			0.4				
2880 minute summer	32	1500	6.750	0.105	1.4	0.0127	0.0000	OK	3.007	33	-0.1	-0.004	0.000	0.4525	

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2880 minute summer	57	1440	8.335	0.028	0.5	0.0250	0.0000OK	Infiltration	5.052	58	0.5	0.238	0.059	0.0582
2880 minute summer	58	1560	8.273	0.028	0.7	0.0629	0.0000OK	Infiltration	5.003	59	0.5	0.252	0.071	0.1077
2880 minute summer	59	1580	8.271	0.058	0.7	0.2932	0.0000OK	Infiltration	5.004	60	0.5	0.041	0.001	1.5070
2880 minute summer	60	1560	8.276	0.065	0.7	0.0290	0.0000OK	Infiltration	5.005	61	0.3	0.028	0.000	3.0731
2880 minute summer	61	1580	8.270	0.134	0.5	0.0457	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
2880 minute summer	62	1500	8.142	0.000	0.2	0.0018	0.0000OK	Infiltration	5.007	63	0.2	0.040	0.000	2.3037
2880 minute summer	63	1580	7.947	0.111	0.4	0.0377	0.0000OK	Infiltration	5.008	63_OUT	0.1	0.014	0.000	2.3894
2880 minute summer	63_OUT	1560	7.947	0.182	0.3	0.0619	0.0000OK	Infiltration	5.009		0.2			
2880 minute summer	64	1680	6.291	0.106	0.1	0.0159	0.0000OK	Infiltration	8.000	65	0.1	0.024	0.000	0.9100
2880 minute summer	65	1680	6.291	0.186	0.2	0.0285	0.0000OK	Infiltration	8.001	66	0.1	0.005	0.000	1.4948
2880 minute summer	66	1680	6.291	0.198	0.2	0.0312	0.0000OK	Infiltration	8.002	67	0.0	0.001	0.000	0.9248
2880 minute summer	67	1680	6.291	0.213	0.1	0.0333	0.0000OK	Infiltration	8.003	68	0.0	0.000	0.000	0.0000
2880 minute summer	68	1320	6.079	0.003	0.1	0.0004	0.0000OK	Infiltration	8.004	69	0.1	0.009	0.000	1.9779
2880 minute summer	69	1680	5.963	0.198	0.2	0.0317	0.0000OK	Infiltration	8.005	70	0.0	0.000	0.000	0.0000
2880 minute summer	70	1680	5.775	0.020	0.1	0.0033	0.0000OK	Infiltration	8.006	71	0.1	0.014	0.000	0.2640
2880 minute summer	71	1680	5.775	0.090	0.2	0.0145	0.0000OK	Infiltration	8.007	72	0.1	0.008	0.000	1.3120
2880 minute summer	72	1680	5.775	0.090	0.2	0.0145	0.0000OK	Infiltration	8.008	73	0.0	0.000	0.000	0.0000
2880 minute summer	73	1680	5.938	0.234	0.1	0.0375	0.0000OK	Infiltration	8.009	74	0.1	0.013	0.000	1.0301
2880 minute summer	74	1680	5.938	0.234	0.2	0.0375	0.0000OK	Infiltration	8.010	75	0.1	0.018	0.000	1.1865
2880 minute summer	75	1680	5.938	0.234	0.2	0.0375	0.0000OK	Infiltration	8.011	76	0.1	0.009	0.000	1.3487
2880 minute summer	76	1680	5.938	0.304	0.2	0.0483	0.0000OK	Infiltration	8.012	76_OUT	0.1	0.001	0.000	1.4851
2880 minute summer	76_OUT	1680	5.938	0.304	0.2	0.0487	0.0000OK	Infiltration	8.013		0.1			

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2880 minute winter	32	1620	6.729	0.081	1.1	0.0097	0.0000OK	3.097	33	-0.1	-0.093	0.000	0.3357
								Infiltration		0.4			
								Infiltration		0.7			
2880 minute winter	33	1380	6.777	0.032	0.1	0.0053	0.0000OK	3.098	34	0.0	0.000	0.000	0.0184
2880 minute winter	34	1380	6.748	0.003	0.1	0.0004	0.0000OK	3.099	35	0.1	0.055	0.000	0.0171
								Infiltration		0.0			
2880 minute winter	35	1380	6.879	0.034	0.2	0.0004	0.0000OK	3.010	36	0.2	0.012	0.000	0.2791
								Infiltration		0.0			
2880 minute winter	36	1620	6.578	0.073	0.3	0.0053	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
2880 minute winter	37	1380	6.508	0.003	0.1	0.0003	0.0000OK	3.012	38	0.1	0.036	0.000	0.5365
2880 minute winter	38	1620	6.347	0.082	0.7	0.0098	0.0000OK	3.013	39	-0.5	-0.030	0.000	0.3805
								Infiltration		0.3			
								Infiltration		0.4			
2880 minute winter	39	1380	6.462	0.007	0.5	0.0008	0.0000OK	3.014	40	-0.4	-0.130	0.000	0.0461
								Infiltration		0.0			
2880 minute winter	40	1380	6.701	0.006	0.4	0.0007	0.0000OK	3.015	41	-0.3	-0.116	0.000	0.0386
								Infiltration		0.0			
2880 minute winter	41	1380	6.871	0.036	0.3	0.0007	0.0000OK	3.016	42	-0.2	-0.097	0.000	0.0324
								Infiltration		0.0			
2880 minute winter	42	1380	7.089	0.004	0.3	0.0005	0.0000OK	3.017	43	-0.2	-0.054	0.000	0.0319
								Infiltration		0.0			
2880 minute winter	43	1380	7.150	0.005	0.2	0.0008	0.0000OK	3.018	44	-0.1	-0.031	0.000	0.0251
								Infiltration		0.0			
2880 minute winter	44	1380	7.228	0.003	0.1	0.0053	0.0000OK	3.019	45	0.0	0.023	0.000	0.0202
2880 minute winter	45	1380	7.199	0.004	0.1	0.0005	0.0000OK	3.020	46	0.1	0.059	0.000	0.0268
								Infiltration		0.0			
2880 minute winter	46	1380	7.130	0.005	0.2	0.0005	0.0000OK	3.021	47	0.2	0.087	0.000	0.0357
								Infiltration		0.0			
2880 minute winter	47	1380	6.971	0.036	0.3	0.0007	0.0000OK	3.022	48	0.3	0.058	0.000	0.1398
								Infiltration		0.0			
2880 minute winter	48	1620	6.827	0.032	0.4	0.0036	0.0000OK	3.023	53	0.4	0.055	0.001	0.2995
								Infiltration		0.0			
2880 minute winter	49	3080	7.825	-0.175	39.4	0.0000	0.0000OK	3.024	50	0.0			
								Infiltration		0.0			
2880 minute winter	50	50	7.400	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
2880 minute winter	51	60	7.300	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
2880 minute winter	52	80	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
2880 minute winter	53	1620	6.825	0.041	0.5	0.0050	0.0000OK	3.024	54	0.5	0.112	0.000	1.1475
								Infiltration		0.1			
2880 minute winter	54	1620	6.528	0.201	0.6	0.0242	0.0000OK	3.025	54_OUT	0.6	0.013	0.000	3.0275
								Infiltration		0.2			
2880 minute winter	54_OUT	1620	6.830	0.321	0.6	0.0388	0.0000OK	3.025		0.3			

2880 minute winter	55	1440	8.463	0.017	0.2	0.0058	0.0000	OK	5.000	56	0.2	0.184	0.027	0.0182
2880 minute winter	56	1440	8.433	0.017	0.4	0.0280	0.0000	OK	5.001	57	0.3	0.228	0.027	0.0312
									Infiltration		0.1			
2880 minute winter	57	1440	8.335	0.025	0.5	0.0250	0.0000	OK	5.002	58	0.5	0.238	0.058	0.0653
									Infiltration		0.1			
2880 minute winter	58	1560	8.274	0.029	0.7	0.0632	0.0000	OK	5.003	59	0.5	0.251	0.071	0.1080
									Infiltration		0.2			
2880 minute winter	59	1560	8.271	0.086	0.7	0.2940	0.0000	OK	5.004	60	0.5	0.041	0.001	1.5098
									Infiltration		0.3			
2880 minute winter	60	1560	8.271	0.086	0.7	0.0291	0.0000	OK	5.005	61	0.3	0.020	0.000	3.0772
									Infiltration		0.3			
2880 minute winter	61	1560	8.271	0.135	0.5	0.0457	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
2880 minute winter	62	1500	8.142	0.036	0.2	0.0018	0.0000	OK	5.007	63	0.2	0.040	0.000	2.3698
2880 minute winter	63	1560	7.950	0.114	0.4	0.0367	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	2.4244
									Infiltration		0.2			
2880 minute winter	63_OUT	1560	7.950	0.165	0.3	0.0628	0.0000	OK	Infiltration		0.3			
2880 minute winter	64	1800	6.324	0.139	0.1	0.0222	0.0000	OK	5.000	65	0.1	0.024	0.000	1.1877
2880 minute winter	65	1800	6.324	0.199	0.2	0.0318	0.0000	OK	5.001	66	0.1	0.005	0.000	1.8518
									Infiltration		0.1			
2880 minute winter	66	1800	6.324	0.231	0.2	0.0365	0.0000	OK	5.002	67	0.0	0.001	0.000	1.1234
									Infiltration		0.1			
2880 minute winter	67	1800	6.324	0.240	0.1	0.0384	0.0000	OK	5.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
2880 minute winter	68	1200	6.079	0.003	0.1	0.0004	0.0000	OK	5.004	69	0.1	0.009	0.000	2.1353
2880 minute winter	69	1800	5.978	0.211	0.2	0.0337	0.0000	OK	5.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
2880 minute winter	70	1800	5.785	0.030	0.1	0.0049	0.0000	OK	5.006	71	0.1	0.014	0.000	0.3508
2880 minute winter	71	1800	5.785	0.100	0.2	0.0181	0.0000	OK	5.007	72	0.1	0.008	0.000	1.4810
									Infiltration		0.1			
2880 minute winter	72	1800	5.785	0.100	0.2	0.0161	0.0000	OK	5.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
2880 minute winter	73	1800	5.995	0.280	0.1	0.0485	0.0000	OK	5.009	74	0.1	0.013	0.000	1.3739
2880 minute winter	74	1800	5.995	0.280	0.2	0.0485	0.0000	OK	5.010	75	0.1	0.019	0.000	1.6558
									Infiltration		0.1			
2880 minute winter	75	1800	5.995	0.290	0.2	0.0455	0.0000	OK	5.011	76	0.1	0.006	0.000	1.7409
									Infiltration		0.1			
2880 minute winter	76	1800	5.995	0.360	0.2	0.0548	0.0000	OK	5.012	76_OUT	0.1	0.001	0.000	1.8811
									Infiltration		0.1			
2880 minute winter	76_OUT	1800	5.995	0.360	0.2	0.0577	0.0000	OK	Infiltration		0.1			

Results for 30 year 4320 minute summer, 4560 minute analysis at 60 minute timestep, Mass balance: 97.35%

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)
4320 minute summer	1	2160	9.557	0.257	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	-0.002	-0.002	0.4853	
4320 minute summer	2	2160	9.557	0.307	0.1	0.0000	0.0000	FLOOD RISK	1.001	3	0.1	0.002	0.003	1.1264	
4320 minute summer	3	2220	9.557	0.407	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.032	-0.022	0.4988	
4320 minute summer	4	2220	9.557	0.457	0.9	0.0000	0.0000	FLOOD RISK	1.003	5	-0.9	-0.030	-0.037	0.8441	
4320 minute summer	5	2220	9.557	0.557	1.0	0.0000	0.0000	FLOOD RISK	1.004	6	-1.0	-0.032	-0.027	0.1821	
4320 minute summer	6	2160	9.557	0.657	3.6	5.4181	0.0000	FLOOD RISK	1.005	7	3.6	0.355	0.074	0.7795	
4320 minute summer	7	2160	9.557	0.807	5.7	3.2874	0.0000	FLOOD RISK	1.006	8	5.7	0.348	0.081	2.4923	
4320 minute summer	8	2220	9.556	1.006	9.9	6.9042	0.0000	FLOOD RISK	1.007	9	9.9	0.342	0.091	5.9230	
4320 minute summer	9	2160	9.555	1.205	15.7	11.7175	0.0000	FLOOD RISK	1.008	10	15.7	0.317	0.070	3.1360	
4320 minute summer	10	2160	9.555	1.255	18.0	2.2247	0.0000	FLOOD RISK	1.009	11	18.0	0.277	0.122	47.8813	
4320 minute summer	11	2160	9.556	1.556	18.0	0.0000	0.0000	FLOOD RISK	1.010	12	18.0	0.148	0.050	53.3278	
4320 minute summer	12	600	7.750	1.006	18.0	0.0000	0.0000	FLOOD RISK	1.011	13	18.0	0.148	0.082	0.2511	
4320 minute summer	13	2220	9.542	0.642	18.0	0.0000	0.0000	OK	1.012	13_OUT	18.0	2.324	0.015	0.0484	
4320 minute summer	13_OUT	4320	7.828	0.294	18.0	0.0000	0.0000	OK	Flow through pond	48	25.6	0.003	0.000	2740.6016	
4320 minute summer	14	2160	9.551	0.251	0.3	0.0000	0.0000	FLOOD RISK	2.000	15	-0.3	-0.018	-0.016	0.8136	
4320 minute summer	15	2160	9.551	0.483	2.7	3.6824	0.0000	FLOOD RISK	2.001	16	2.7	0.302	0.058	0.9254	
4320 minute summer	16	2220	9.550	0.550	2.7	0.0000	0.0000	FLOOD RISK	2.002	17	2.7	0.322	0.055	0.6320	
4320 minute summer	17	2220	9.550	0.691	4.1	2.1442	0.0000	FLOOD RISK	2.003	18	4.1	0.325	0.052	1.8750	
4320 minute summer	18	2160	9.550	0.889	7.5	5.4654	0.0000	FLOOD RISK	2.004	19	7.5	0.322	0.080	5.4890	
4320 minute summer	19	2160	9.549	1.093	13.4	9.5509	0.0000	FLOOD RISK	2.005	20	13.4	0.311	0.088	4.0828	
4320 minute summer	20	2160	9.549	1.138	13.4	0.0000	0.0000	FLOOD RISK	2.006	21	13.4	0.427	0.068	3.4978	
4320 minute summer	21	2220	9.549	1.177	13.4	0.0000	0.0000	FLOOD RISK	2.007	22	13.4	0.441	0.022	3.7404	
4320 minute summer	22	2220	9.548	1.549	17.2	6.7276	0.0000	FLOOD RISK	2.008	23	17.2	0.101	0.080	53.3017	
4320 minute summer	23	600	7.750	1.600	17.2	0.0000	0.0000	FLOOD RISK	2.009	24	17.2	0.143	0.088	0.2610	
4320 minute summer	24	2220	9.541	0.641	17.2	0.0000	0.0000	OK	2.010	24_OUT	17.2	2.291	0.014	0.0450	
4320 minute summer	24_OUT	4320	7.828	0.294	17.2	0.0000	0.0000	OK	Flow through pond	49	25.6	0.003	0.000	2740.6016	
4320 minute summer	25	2160	8.810	0.014	0.3	0.0087	0.0000	OK	3.000	26	0.3	0.311	0.017	0.0343	
4320 minute summer	26	2160	8.453	0.018	0.6	0.0255	0.0000	OK	3.001	27	0.6	0.399	0.028	0.0460	
								Infiltration			0.1				
4320 minute summer	27	2160	8.133	0.018	0.8	0.0292	0.0000	OK	3.002	28	0.8	0.487	0.029	0.0391	
								Infiltration			0.2				
4320 minute summer	28	2160	7.714	0.018	0.9	0.0244	0.0000	OK	3.003	29	0.9	0.587	0.032	0.0488	
								Infiltration			0.1				
4320 minute summer	29	2160	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				
4320 minute summer	30	2160	6.839	0.014	1.1	0.0017	0.0000	OK	3.005	31	1.1	0.128	0.000	0.2338	
4320 minute summer	31	2280	6.727	0.032	1.2	0.0038	0.0000	OK	3.006	32	1.0	0.652	0.001	0.4443	
								Infiltration			0.2				
4320 minute summer	32	2280	6.728	0.081	1.1	0.0097	0.0000	OK	3.007	33	-0.1	-0.004	0.000	0.3357	

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4320 minute summer	57	2220	8.335	0.028	0.5	0.0250	0.0000OK	Infiltration	5.052	58	0.5	0.238	0.059	0.0528
4320 minute summer	58	2160	8.272	0.027	0.7	0.0390	0.0000OK	Infiltration	5.003	59	0.5	0.251	0.071	0.0703
4320 minute summer	59	2220	8.248	0.043	0.7	0.1550	0.0000OK	Infiltration	5.004	60	0.5	0.041	0.001	1.0211
4320 minute summer	60	2220	8.248	0.063	0.7	0.0214	0.0000OK	Infiltration	5.005	61	0.3	0.028	0.000	2.3611
4320 minute summer	61	2220	8.248	0.112	0.5	0.0380	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
4320 minute summer	62	2220	8.142	0.006	0.2	0.0018	0.0000OK	Infiltration	5.007	63	0.2	0.040	0.000	1.7903
4320 minute summer	63	2280	7.926	0.090	0.4	0.0306	0.0000OK	Infiltration	5.008	63_OUT	0.1	0.014	0.000	1.8711
4320 minute summer	63_OUT	2280	7.926	0.161	0.3	0.0548	0.0000OK	Infiltration	5.009					
4320 minute summer	64	2400	6.291	0.106	0.1	0.0159	0.0000OK	Infiltration	8.000	65	0.1	0.024	0.000	0.9100
4320 minute summer	65	2400	6.291	0.186	0.2	0.0285	0.0000OK	Infiltration	8.001	66	0.1	0.005	0.000	1.4948
4320 minute summer	66	2400	6.291	0.198	0.2	0.0312	0.0000OK	Infiltration	8.002	67	0.0	0.001	0.000	0.9248
4320 minute summer	67	2400	6.291	0.213	0.1	0.0333	0.0000OK	Infiltration	8.003	68	0.0	0.000	0.000	0.0000
4320 minute summer	68	2040	6.079	0.003	0.1	0.0004	0.0000OK	Infiltration	8.004	69	0.1	0.009	0.000	1.9779
4320 minute summer	69	2400	5.963	0.198	0.2	0.0317	0.0000OK	Infiltration	8.005	70	0.0	0.000	0.000	0.0000
4320 minute summer	70	2400	5.775	0.020	0.1	0.0033	0.0000OK	Infiltration	8.006	71	0.1	0.014	0.000	0.2640
4320 minute summer	71	2400	5.775	0.090	0.2	0.0145	0.0000OK	Infiltration	8.007	72	0.1	0.008	0.000	1.3120
4320 minute summer	72	2400	5.775	0.090	0.2	0.0145	0.0000OK	Infiltration	8.008	73	0.0	0.000	0.000	0.0000
4320 minute summer	73	2400	5.938	0.234	0.1	0.0375	0.0000OK	Infiltration	8.009	74	0.1	0.013	0.000	1.0301
4320 minute summer	74	2400	5.938	0.234	0.2	0.0375	0.0000OK	Infiltration	8.010	75	0.1	0.018	0.000	1.1865
4320 minute summer	75	2400	5.938	0.234	0.2	0.0375	0.0000OK	Infiltration	8.011	76	0.1	0.009	0.000	1.3487
4320 minute summer	76	2400	5.938	0.304	0.2	0.0463	0.0000OK	Infiltration	8.012	76_OUT	0.1	0.001	0.000	1.4851
4320 minute summer	76_OUT	2400	5.938	0.304	0.2	0.0463	0.0000OK	Infiltration	8.013					

Results for 30 year 4320 minute winter, 4560 minute analysis at 60 minute timestep, Mass balance: 97.65%

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	2180	9.545	0.245	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.002	-0.003	0.4853	
4320 minute winter	2	2180	9.545	0.285	0.1	0.0000	0.0000	FLOOD RISK	1.001	3	-0.1	-0.004	-0.007	1.1264	
4320 minute winter	3	2220	9.545	0.385	0.2	0.0000	0.0000	FLOOD RISK	1.002	4	-0.2	-0.037	-0.010	0.4988	
4320 minute winter	4	2220	9.545	0.445	0.5	0.0000	0.0000	FLOOD RISK	1.003	5	-0.5	-0.034	-0.024	0.8441	
4320 minute winter	5	2220	9.545	0.645	1.0	0.0000	0.0000	FLOOD RISK	1.004	6	-1.0	-0.032	-0.020	0.1921	
4320 minute winter	6	2180	9.545	0.645	2.7	5.3150	0.0000	FLOOD RISK	1.005	7	2.7	0.377	0.056	0.7796	
4320 minute winter	7	2180	9.544	0.794	4.2	3.2382	0.0000	FLOOD RISK	1.006	8	4.2	0.385	0.060	2.4923	
4320 minute winter	8	2220	9.544	0.994	7.3	6.6238	0.0000	FLOOD RISK	1.007	9	7.3	0.354	0.067	5.9230	
4320 minute winter	9	2220	9.544	1.194	12.3	11.6668	0.0000	FLOOD RISK	1.008	10	12.3	0.321	0.052	3.1380	
4320 minute winter	10	2220	9.544	1.244	13.3	2.2047	0.0000	FLOOD RISK	1.009	11	13.3	0.305	0.090	47.8913	
4320 minute winter	11	2220	9.541	1.541	13.3	0.0000	0.0000	FLOOD RISK	1.010	12	13.3	0.239	0.040	53.3278	
4320 minute winter	12	540	7.750	1.000	13.3	0.0000	0.0000	FLOOD RISK	1.011	13	13.3	0.112	0.066	0.2493	
4320 minute winter	13	2220	9.535	0.030	13.3	0.0000	0.0000	OK	1.012	13_OUT	13.3	2.112	0.011	0.0377	
4320 minute winter	13_OUT	4260	7.871	0.337	13.3	0.0000	0.0000	OK	Flow through pond	49	60.9	0.005	0.000	3118.7742	
4320 minute winter	14	2150	9.541	0.241	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.008	-0.008	0.8138	
4320 minute winter	15	2220	9.541	0.455	2.0	3.8045	0.0000	FLOOD RISK	2.001	16	2.0	0.302	0.041	0.9254	
4320 minute winter	16	2220	9.541	0.550	2.0	0.0000	0.0000	FLOOD RISK	2.002	17	2.0	0.322	0.041	0.6320	
4320 minute winter	17	2180	9.540	0.631	3.0	2.1145	0.0000	FLOOD RISK	2.003	18	3.0	0.325	0.036	1.6750	
4320 minute winter	18	2180	9.540	0.859	5.5	5.4658	0.0000	FLOOD RISK	2.004	19	5.5	0.348	0.044	5.4690	
4320 minute winter	19	2220	9.540	1.084	9.8	9.7750	0.0000	FLOOD RISK	2.005	20	9.8	0.327	0.050	4.9628	
4320 minute winter	20	2150	9.540	1.129	9.8	0.0000	0.0000	FLOOD RISK	2.006	21	9.8	0.452	0.060	3.4979	
4320 minute winter	21	2180	9.540	1.108	9.8	0.0000	0.0000	FLOOD RISK	2.007	22	9.8	0.471	0.016	3.7404	
4320 minute winter	22	2180	9.540	1.540	12.8	6.5887	0.0000	FLOOD RISK	2.008	23	12.8	0.143	0.044	53.3017	
4320 minute winter	23	540	7.750	1.000	12.8	0.0000	0.0000	FLOOD RISK	2.009	24	12.8	0.106	0.064	0.2492	
4320 minute winter	24	2220	9.535	0.035	12.8	0.0000	0.0000	OK	2.010	24_OUT	12.8	2.078	0.010	0.0363	
4320 minute winter	24_OUT	4260	7.871	0.337	12.8	0.0000	0.0000	OK	Flow through pond	49	60.8	0.005	0.000	3118.7742	
4320 minute winter	25	1800	8.607	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.252	0.011	0.0253	
4320 minute winter	26	1800	8.449	0.014	0.4	0.0183	0.0000	OK	3.001	27	0.3	0.351	0.016	0.0327	
								Infiltration			0.1				
4320 minute winter	27	1800	8.129	0.014	0.5	0.0200	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0273	
								Infiltration			0.1				
4320 minute winter	28	1800	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.500	0.019	0.0320	
								Infiltration			0.1				
4320 minute winter	29	1800	7.080	0.015	0.7	0.0182	0.0000	OK	3.004	30	0.8	0.629	0.021	0.0064	
								Infiltration			0.1				
4320 minute winter	30	1800	6.835	0.010	0.5	0.0012	0.0000	OK	3.005	31	0.5	0.113	0.000	0.1012	
4320 minute winter	31	1800	6.708	0.011	0.5	0.0013	0.0000	OK	3.006	32	0.5	0.052	0.000	0.1504	
								Infiltration			0.1				

4320 minute winter	32	1920	6.675	0.030	0.5	0.0037	0.0000OK	3.097	33	0.0	0.000	0.000	0.1128
								Infiltration		0.1			
								Infiltration		0.4			
4320 minute winter	33	60	6.775	0.000	0.0	0.0000	0.0000OK	3.098	34	0.0	0.000	0.000	0.0002
4320 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000OK	3.099	35	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
4320 minute winter	35	80	6.675	0.000	0.0	0.0000	0.0000OK	3.010	36	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
4320 minute winter	36	60	6.505	0.000	0.0	0.0000	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
4320 minute winter	37	80	6.505	0.000	0.0	0.0000	0.0000OK	3.012	38	0.0	0.000	0.000	0.0000
4320 minute winter	38	80	6.265	0.000	0.0	0.0000	0.0000OK	3.013	39	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
								Infiltration		0.0			
4320 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000OK	3.014	40	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
4320 minute winter	40	80	6.895	0.000	0.0	0.0000	0.0000OK	3.015	41	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
4320 minute winter	41	60	6.885	0.000	0.0	0.0000	0.0000OK	3.016	42	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
4320 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000OK	3.017	43	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
4320 minute winter	43	80	7.145	0.000	0.0	0.0000	0.0000OK	3.018	44	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
4320 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000OK	3.019	45	0.0	0.000	0.000	0.0002
4320 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000OK	3.020	46	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
4320 minute winter	46	80	7.125	0.000	0.0	0.0000	0.0000OK	3.021	47	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
4320 minute winter	47	60	6.985	0.000	0.0	0.0000	0.0000OK	3.022	48	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
4320 minute winter	48	60	6.795	0.000	0.0	0.0000	0.0000OK	3.023	53	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
4320 minute winter	49	4560	7.894	-0.136	64.7	0.0000	0.0000OK	Orifice	50	0.0			
								Infiltration		0.0			
4320 minute winter	50	60	7.400	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
4320 minute winter	51	60	7.300	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
4320 minute winter	52	80	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
4320 minute winter	53	80	6.785	0.000	0.0	0.0000	0.0000OK	3.024	54	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
4320 minute winter	54	60	6.525	0.000	0.0	0.0000	0.0000OK	3.025	54_OUT	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
4320 minute winter	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000OK	Infiltration		0.0			

4320 minute winter	55	1500	8.459	0.013	0.1	0.0043	0.0000	OK	5.090	56	0.1	0.150	0.014	0.0111
4320 minute winter	56	1500	8.428	0.012	0.2	0.0149	0.0000	OK	5.091	57	0.2	0.182	0.012	0.0180
									Infiltration		0.0			
4320 minute winter	57	1500	8.327	0.017	0.3	0.0130	0.0000	OK	5.092	58	0.2	0.177	0.027	0.0378
									Infiltration		0.0			
4320 minute winter	58	1620	8.265	0.020	0.3	0.0328	0.0000	OK	5.093	59	0.2	0.209	0.028	0.0224
									Infiltration		0.1			
4320 minute winter	59	1500	8.217	0.012	0.3	0.0157	0.0000	OK	5.094	60	0.2	0.041	0.000	0.3361
									Infiltration		0.1			
4320 minute winter	60	2940	8.210	0.025	0.3	0.0087	0.0000	OK	5.095	61	0.3	0.020	0.000	1.2742
									Infiltration		0.1			
4320 minute winter	61	2940	8.210	0.074	0.4	0.0253	0.0000	OK	5.096	62	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
4320 minute winter	62	1500	8.140	0.034	0.1	0.0013	0.0000	OK	5.097	63	0.1	0.040	0.000	1.1167
4320 minute winter	63	2940	7.994	0.058	0.2	0.0197	0.0000	OK	5.098	63_OUT	0.1	0.014	0.000	1.4017
									Infiltration		0.1			
4320 minute winter	63_OUT	2940	7.894	0.128	0.2	0.0439	0.0000	OK	Infiltration		0.2			
4320 minute winter	64	2400	6.291	0.190	0.1	0.0189	0.0000	OK	5.099	65	0.1	0.024	0.000	0.8100
4320 minute winter	65	2400	6.291	0.186	0.2	0.0280	0.0000	OK	5.091	66	0.1	0.005	0.000	1.4948
									Infiltration		0.1			
4320 minute winter	66	2400	6.291	0.198	0.2	0.0312	0.0000	OK	5.092	67	0.0	0.001	0.000	0.9249
									Infiltration		0.1			
4320 minute winter	67	2400	6.291	0.215	0.1	0.0333	0.0000	OK	5.093	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
4320 minute winter	68	2040	6.079	0.093	0.1	0.0004	0.0000	OK	5.094	69	0.1	0.009	0.000	1.9779
4320 minute winter	69	2400	5.803	0.198	0.2	0.0317	0.0000	OK	5.095	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
4320 minute winter	70	2400	5.775	0.020	0.1	0.0033	0.0000	OK	5.096	71	0.1	0.014	0.000	0.2940
4320 minute winter	71	2400	5.775	0.090	0.2	0.0145	0.0000	OK	5.097	72	0.1	0.008	0.000	1.3120
									Infiltration		0.1			
4320 minute winter	72	2400	5.775	0.090	0.2	0.0145	0.0000	OK	5.098	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
4320 minute winter	73	2400	5.939	0.234	0.1	0.0375	0.0000	OK	5.099	74	0.1	0.013	0.000	1.0391
4320 minute winter	74	2400	5.939	0.234	0.2	0.0375	0.0000	OK	5.010	75	0.1	0.019	0.000	1.1885
									Infiltration		0.1			
4320 minute winter	75	2400	5.939	0.234	0.2	0.0375	0.0000	OK	5.011	76	0.1	0.006	0.000	1.3487
									Infiltration		0.1			
4320 minute winter	76	2400	5.939	0.304	0.2	0.0483	0.0000	OK	5.012	76_OUT	0.1	0.001	0.000	1.4851
									Infiltration		0.1			
4320 minute winter	76_OUT	2400	5.939	0.394	0.2	0.0487	0.0000	OK	Infiltration		0.1			

Results for 30 year 5760 minute summer, 6000 minute analysis at 60 minute timestep, Mass balance: 97.64%

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)
5760 minute summer	1	2880	9.543	0.249	0.2	0.0000	0.0000	FLOOD RISK	1.000	2	-0.2	-0.000	-0.007	0.4853	
5760 minute summer	2	2880	9.548	0.289	0.3	0.0000	0.0000	FLOOD RISK	1.001	3	-0.3	-0.011	-0.017	1.1264	
5760 minute summer	3	2940	9.549	0.369	0.4	0.0000	0.0000	FLOOD RISK	1.002	4	-0.4	-0.020	-0.020	0.4988	
5760 minute summer	4	2940	9.549	0.449	0.6	0.0000	0.0000	FLOOD RISK	1.003	5	-0.6	-0.021	-0.026	0.8441	
5760 minute summer	5	2880	9.548	0.549	0.7	0.0000	0.0000	FLOOD RISK	1.004	6	-0.7	-0.035	-0.019	0.1821	
5760 minute summer	6	2940	9.549	0.649	3.0	5.3504	0.0000	FLOOD RISK	1.005	7	3.0	0.340	0.002	0.7796	
5760 minute summer	7	2940	9.549	0.798	4.7	3.2553	0.0000	FLOOD RISK	1.006	8	4.7	0.324	0.057	2.4923	
5760 minute summer	8	2880	9.548	0.998	8.2	6.8517	0.0000	FLOOD RISK	1.007	9	8.2	0.318	0.076	5.9230	
5760 minute summer	9	2880	9.548	1.198	13.9	11.6482	0.0000	FLOOD RISK	1.008	10	13.9	0.290	0.059	3.1360	
5760 minute summer	10	2880	9.548	1.248	15.0	2.2118	0.0000	FLOOD RISK	1.009	11	15.0	0.281	0.102	47.8813	
5760 minute summer	11	2880	9.544	1.544	15.0	0.0000	0.0000	FLOOD RISK	1.010	12	15.0	0.158	0.052	63.3278	
5760 minute summer	12	600	7.750	1.000	15.0	0.0000	0.0000	FLOOD RISK	1.011	13	15.0	0.125	0.076	0.2499	
5760 minute summer	13	2940	9.538	0.038	15.0	0.0000	0.0000	OK	1.012	13_OUT	15.0	2.192	0.012	0.0410	
5760 minute summer	13_OUT	5760	7.883	0.328	15.0	0.0000	0.0000	OK	Flow through pond	48	33.7	0.003	0.000	3042.7538	
5760 minute summer	14	2880	9.545	0.245	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.016	-0.006	0.8130	
5760 minute summer	15	2880	9.545	0.459	2.3	3.6383	0.0000	FLOOD RISK	2.001	16	2.3	0.277	0.047	0.9254	
5760 minute summer	16	2880	9.545	0.554	2.3	0.0000	0.0000	FLOOD RISK	2.002	17	2.3	0.294	0.047	0.6320	
5760 minute summer	17	2880	9.544	0.686	3.5	2.1256	0.0000	FLOOD RISK	2.003	18	3.5	0.283	0.046	1.8750	
5760 minute summer	18	2880	9.544	0.883	6.4	5.4321	0.0000	FLOOD RISK	2.004	19	6.4	0.265	0.051	5.4890	
5760 minute summer	19	2880	9.544	1.088	11.3	9.5100	0.0000	FLOOD RISK	2.005	20	11.3	0.268	0.057	4.0828	
5760 minute summer	20	2880	9.544	1.133	11.3	0.0000	0.0000	FLOOD RISK	2.006	21	11.3	0.401	0.057	3.4978	
5760 minute summer	21	2880	9.544	1.172	11.3	0.0000	0.0000	FLOOD RISK	2.007	22	11.3	0.418	0.019	3.7404	
5760 minute summer	22	2880	9.543	1.543	14.5	6.7046	0.0000	FLOOD RISK	2.008	23	14.5	0.103	0.050	53.3017	
5760 minute summer	23	720	7.750	1.600	14.5	0.0000	0.0000	FLOOD RISK	2.009	24	14.5	0.121	0.074	0.2499	
5760 minute summer	24	2940	9.538	0.038	14.5	0.0000	0.0000	OK	2.010	24_OUT	14.5	2.179	0.012	0.0400	
5760 minute summer	24_OUT	5760	7.883	0.328	14.5	0.0000	0.0000	OK	Flow through pond	49	23.7	0.003	0.000	3042.7538	
5760 minute summer	25	2940	8.810	0.014	0.3	0.0087	0.0000	OK	3.000	26	0.3	0.311	0.017	0.0343	
5760 minute summer	26	2940	8.453	0.018	0.6	0.0255	0.0000	OK	3.001	27	0.6	0.399	0.028	0.0460	
								Infiltration			0.1				
5760 minute summer	27	2940	8.133	0.018	0.8	0.0292	0.0000	OK	3.002	28	0.8	0.487	0.029	0.0391	
								Infiltration			0.2				
5760 minute summer	28	2940	7.714	0.018	0.9	0.0244	0.0000	OK	3.003	29	0.8	0.587	0.032	0.0488	
								Infiltration			0.1				
5760 minute summer	29	2940	7.085	0.020	1.1	0.0230	0.0000	OK	3.004	30	1.0	0.728	0.035	0.0091	
								Infiltration			0.1				
5760 minute summer	30	2940	6.838	0.013	1.0	0.0018	0.0000	OK	3.005	31	1.0	0.137	0.000	0.1385	
5760 minute summer	31	2940	6.710	0.015	1.0	0.0018	0.0000	OK	3.006	32	0.8	0.652	0.000	0.2577	
								Infiltration			0.1				
5760 minute summer	32	2940	6.688	0.053	0.9	0.0084	0.0000	OK	3.007	33	0.0	0.000	0.000	0.2051	

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5760 minute summer	57	2340	8.327	0.017	0.3	0.0138	0.0000OK	Infiltration	5.052	58	0.2	0.177	0.027	0.0378
5760 minute summer	58	2460	8.285	0.020	0.3	0.0326	0.0000OK	Infiltration	5.003	59	0.2	0.209	0.028	0.0224
5760 minute summer	59	2340	8.217	0.012	0.3	0.0157	0.0000OK	Infiltration	5.004	60	0.2	0.041	0.000	0.3361
5760 minute summer	60	3540	8.210	0.025	0.3	0.0087	0.0000OK	Infiltration	5.005	61	0.3	0.026	0.000	1.2742
5760 minute summer	61	3540	8.210	0.074	0.4	0.0253	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
5760 minute summer	62	2400	8.149	0.004	0.1	0.0013	0.0000OK	Infiltration	5.007	63	0.1	0.040	0.000	1.1147
5760 minute summer	63	3540	7.894	0.058	0.2	0.0197	0.0000OK	Infiltration	5.008	63_OUT	0.1	0.014	0.000	1.4000
5760 minute summer	63_OUT	3540	7.894	0.129	0.2	0.0438	0.0000OK	Infiltration	5.009					
5760 minute summer	64	3060	6.288	0.081	0.1	0.0130	0.0000OK	Infiltration	5.010	65	0.1	0.024	0.000	0.7181
5760 minute summer	65	3060	6.288	0.141	0.2	0.0226	0.0000OK	Infiltration	5.011	66	0.1	0.005	0.000	1.2461
5760 minute summer	66	3060	6.288	0.173	0.2	0.0274	0.0000OK	Infiltration	5.012	67	0.0	0.002	0.000	0.7602
5760 minute summer	67	3060	8.250	0.100	0.1	0.0295	0.0000OK	Infiltration	5.013	68	0.0	0.000	0.000	0.0000
5760 minute summer	68	2820	6.079	0.003	0.1	0.0004	0.0000OK	Infiltration	5.014	69	0.1	0.009	0.000	1.7932
5760 minute summer	69	3060	5.943	0.184	0.2	0.0294	0.0000OK	Infiltration	5.015	70	0.0	0.000	0.000	0.0000
5760 minute summer	70	3060	5.787	0.012	0.1	0.0020	0.0000OK	Infiltration	5.016	71	0.1	0.014	0.000	0.2500
5760 minute summer	71	3060	5.787	0.052	0.2	0.0132	0.0000OK	Infiltration	5.017	72	0.1	0.008	0.000	1.1808
5760 minute summer	72	3060	5.787	0.082	0.2	0.0132	0.0000OK	Infiltration	5.018	73	0.0	0.000	0.000	0.0000
5760 minute summer	73	3060	5.900	0.195	0.1	0.0311	0.0000OK	Infiltration	5.019	74	0.1	0.013	0.000	0.8088
5760 minute summer	74	3060	5.900	0.195	0.2	0.0311	0.0000OK	Infiltration	5.010	75	0.1	0.018	0.000	0.9158
5760 minute summer	75	3060	5.900	0.195	0.2	0.0311	0.0000OK	Infiltration	5.011	76	0.1	0.008	0.000	1.0920
5760 minute summer	76	3060	5.900	0.285	0.2	0.0402	0.0000OK	Infiltration	5.012	76_OUT	0.1	0.001	0.000	1.2269
5760 minute summer	76_OUT	3060	5.900	0.295	0.2	0.0420	0.0000OK	Infiltration	5.013					

Results for 30 year 5760 minute winter. 6000 minute analysis at 60 minute timestep. Mass balance: 97.78%

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)
5760 minute winter	1	2940	9.539	0.239	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.005	-0.007	0.4853	
5760 minute winter	2	2880	9.539	0.259	0.2	0.0000	0.0000	FLOOD RISK	1.001	3	-0.2	-0.008	-0.013	1.1264	
5760 minute winter	3	2880	9.540	0.390	0.4	0.0000	0.0000	FLOOD RISK	1.002	4	-0.4	-0.036	-0.019	0.4988	
5760 minute winter	4	2880	9.540	0.440	0.7	0.0000	0.0000	FLOOD RISK	1.003	5	-0.7	-0.029	-0.033	0.8441	
5760 minute winter	5	2880	9.539	0.639	0.9	0.0000	0.0000	FLOOD RISK	1.004	6	-0.9	-0.029	-0.024	0.1921	
5760 minute winter	6	2940	9.539	0.639	2.2	5.2694	0.0000	FLOOD RISK	1.005	7	2.2	0.354	0.046	0.7796	
5760 minute winter	7	2940	9.539	0.789	3.5	3.2180	0.0000	FLOOD RISK	1.006	8	3.5	0.337	0.050	2.4923	
5760 minute winter	8	2880	9.539	0.989	6.0	6.7870	0.0000	FLOOD RISK	1.007	9	6.0	0.326	0.058	5.9230	
5760 minute winter	9	2940	9.538	1.188	10.2	11.5565	0.0000	FLOOD RISK	1.008	10	10.2	0.308	0.043	3.1380	
5760 minute winter	10	2940	9.538	1.238	11.0	2.1956	0.0000	FLOOD RISK	1.009	11	11.0	0.277	0.074	47.8913	
5760 minute winter	11	2940	9.537	1.637	11.0	0.0000	0.0000	FLOOD RISK	1.010	12	11.0	0.189	0.038	53.3278	
5760 minute winter	12	880	7.750	1.000	11.0	0.0000	0.0000	FLOOD RISK	1.011	13	11.0	0.093	0.056	0.2483	
5760 minute winter	13	2940	9.533	0.033	11.0	0.0000	0.0000	OK	1.012	13_OUT	11.0	1.993	0.009	0.0330	
5760 minute winter	13_OUT	5640	7.907	0.374	11.0	0.0000	0.0000	OK	Flow through pond		49	29.3	0.003	0.000	3444.7978
5760 minute winter	14	2880	9.537	0.237	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.005	-0.005	0.8138	
5760 minute winter	15	2940	9.537	0.451	1.7	3.5721	0.0000	FLOOD RISK	2.001	16	1.7	0.275	0.035	0.9254	
5760 minute winter	16	2940	9.536	0.545	1.7	0.0000	0.0000	FLOOD RISK	2.002	17	1.7	0.294	0.035	0.6320	
5760 minute winter	17	2880	9.536	0.977	2.0	2.1620	0.0000	FLOOD RISK	2.003	18	2.0	0.305	0.033	1.6750	
5760 minute winter	18	2880	9.536	0.855	4.7	5.3608	0.0000	FLOOD RISK	2.004	19	4.7	0.322	0.037	5.4690	
5760 minute winter	19	2940	9.538	1.080	8.3	9.7400	0.0000	FLOOD RISK	2.005	20	8.3	0.392	0.042	4.9628	
5760 minute winter	20	2940	9.538	1.125	8.3	0.0000	0.0000	FLOOD RISK	2.006	21	8.3	0.410	0.042	3.4979	
5760 minute winter	21	2880	9.536	1.184	8.3	0.0000	0.0000	FLOOD RISK	2.007	22	8.3	0.452	0.014	3.7404	
5760 minute winter	22	2880	9.536	1.536	10.8	6.5720	0.0000	FLOOD RISK	2.008	23	10.8	0.195	0.037	53.3017	
5760 minute winter	23	600	7.750	1.000	10.8	0.0000	0.0000	FLOOD RISK	2.009	24	10.8	0.090	0.054	0.2483	
5760 minute winter	24	2940	9.533	0.033	10.8	0.0000	0.0000	OK	2.010	24_OUT	10.8	1.972	0.008	0.0322	
5760 minute winter	24_OUT	5640	7.907	0.373	10.8	0.0000	0.0000	OK	Flow through pond		49	29.3	0.003	0.000	3444.7978
5760 minute winter	25	2520	8.607	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.282	0.011	0.0253	
5760 minute winter	26	2520	8.449	0.014	0.4	0.0183	0.0000	OK	3.001	27	0.3	0.351	0.016	0.0327	
5760 minute winter	27	2520	8.129	0.014	0.5	0.0200	0.0000	OK	Infiltration			0.1			
									Infiltration			0.1			
									Infiltration			0.1			
5760 minute winter	28	2520	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.503	0.019	0.0326	
5760 minute winter	29	2520	7.080	0.015	0.7	0.0182	0.0000	OK	Infiltration			0.1			
									Infiltration			0.1			
									Infiltration			0.1			
5760 minute winter	30	2520	7.080	0.015	0.7	0.0182	0.0000	OK	3.004	30	0.8	0.629	0.021	0.0064	
5760 minute winter	31	2520	6.835	0.010	0.6	0.0012	0.0000	OK	Infiltration			0.1			
									Infiltration			0.1			
									Infiltration			0.1			
5760 minute winter	32	2520	6.708	0.011	0.6	0.0013	0.0000	OK	3.006	32	0.6	0.052	0.000	0.1504	
5760 minute winter	33	2520	6.708	0.011	0.6	0.0013	0.0000	OK	Infiltration			0.1			
									Infiltration			0.1			
									Infiltration			0.1			

5760 minute winter	32	2640	6.675	0.030	0.5	0.0037	0.0000OK	3.097	33	0.0	0.000	0.000	0.1126
								Infiltration		0.1			
								Infiltration		0.4			
5760 minute winter	33	60	6.775	0.000	0.0	0.0000	0.0000OK	3.098	34	0.0	0.000	0.000	0.0002
5760 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000OK	3.099	35	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	35	80	6.675	0.000	0.0	0.0000	0.0000OK	3.010	36	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	36	60	6.505	0.000	0.0	0.0000	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
5760 minute winter	37	80	6.505	0.000	0.0	0.0000	0.0000OK	3.012	38	0.0	0.000	0.000	0.0000
5760 minute winter	38	80	6.265	0.000	0.0	0.0000	0.0000OK	3.013	39	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
								Infiltration		0.0			
5760 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000OK	3.014	40	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	40	80	6.895	0.000	0.0	0.0000	0.0000OK	3.015	41	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	41	60	6.885	0.000	0.0	0.0000	0.0000OK	3.016	42	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000OK	3.017	43	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	43	80	7.145	0.000	0.0	0.0000	0.0000OK	3.018	44	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000OK	3.019	45	0.0	0.000	0.000	0.0002
5760 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000OK	3.020	46	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	46	80	7.125	0.000	0.0	0.0000	0.0000OK	3.021	47	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	47	60	6.985	0.000	0.0	0.0000	0.0000OK	3.022	48	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	48	60	6.795	0.000	0.0	0.0000	0.0000OK	3.023	53	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	49	5820	7.900	-0.100	34.8	0.0000	0.0000OK	Orifice	50	0.0			
								Infiltration		0.0			
5760 minute winter	50	60	7.400	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
5760 minute winter	51	60	7.300	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
5760 minute winter	52	80	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
5760 minute winter	53	80	6.785	0.000	0.0	0.0000	0.0000OK	3.024	54	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	54	60	6.525	0.000	0.0	0.0000	0.0000OK	3.025	54_OUT	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
5760 minute winter	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000OK	Infiltration		0.0			

5760 minute winter	55	2100	8.459	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111
5760 minute winter	56	2100	8.428	0.012	0.2	0.0149	0.0000	OK	5.001	57	0.2	0.182	0.012	0.0180
									Infiltration		0.0			
5760 minute winter	57	2100	8.327	0.017	0.3	0.0130	0.0000	OK	5.002	58	0.2	0.177	0.027	0.0378
									Infiltration		0.0			
5760 minute winter	58	2220	8.265	0.020	0.3	0.0328	0.0000	OK	5.003	59	0.2	0.209	0.028	0.0224
									Infiltration		0.1			
5760 minute winter	59	2100	8.217	0.012	0.3	0.0157	0.0000	OK	5.004	60	0.2	0.041	0.000	0.3361
									Infiltration		0.1			
5760 minute winter	60	3750	8.210	0.025	0.3	0.0087	0.0000	OK	5.005	61	0.3	0.020	0.000	1.2742
									Infiltration		0.1			
5760 minute winter	61	3800	8.210	0.074	0.4	0.0253	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
5760 minute winter	62	2100	8.140	0.034	0.1	0.0013	0.0000	OK	5.007	63	0.1	0.040	0.000	1.1173
5760 minute winter	63	3750	7.994	0.058	0.2	0.0197	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	1.4022
									Infiltration		0.1			
5760 minute winter	63_OUT	3780	7.894	0.128	0.2	0.0439	0.0000	OK	Infiltration		0.2			
5760 minute winter	64	80	8.185	0.000	0.0	0.0000	0.0000	OK	5.000	65	0.0	0.000	0.000	0.0002
5760 minute winter	65	80	6.125	0.000	0.0	0.0000	0.0000	OK	5.001	66	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
5760 minute winter	66	60	6.093	0.000	0.0	0.0000	0.0000	OK	5.002	67	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
5760 minute winter	67	80	6.076	0.000	0.0	0.0000	0.0000	OK	5.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
5760 minute winter	68	60	6.078	0.000	0.0	0.0000	0.0000	OK	5.004	69	0.0	0.000	0.000	0.0004
5760 minute winter	69	60	5.785	0.000	0.0	0.0000	0.0000	OK	5.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
5760 minute winter	70	80	5.755	0.000	0.0	0.0000	0.0000	OK	5.006	71	0.0	0.000	0.000	0.0001
5760 minute winter	71	80	5.685	0.000	0.0	0.0000	0.0000	OK	5.007	72	0.0	0.000	0.000	0.0004
									Infiltration		0.0			
5760 minute winter	72	60	5.685	0.000	0.0	0.0000	0.0000	OK	5.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
5760 minute winter	73	80	5.705	0.000	0.0	0.0000	0.0000	OK	5.009	74	0.0	0.000	0.000	0.0001
5760 minute winter	74	80	5.705	0.000	0.0	0.0000	0.0000	OK	5.010	75	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
5760 minute winter	75	60	5.705	0.000	0.0	0.0000	0.0000	OK	5.011	76	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
5760 minute winter	76	80	5.835	0.000	0.0	0.0000	0.0000	OK	5.012	76_OUT	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
5760 minute winter	76_OUT	80	5.835	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

Results for 30 year 7200 minute summer, 7440 minute analysis at 60 minute timestep, Mass balance: 97.71%

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	9.544	0.244	0.1	0.0090	0.0000	FLOOD RISK	1.000	2	-0.1	-0.005	-0.006	0.4853	
7200 minute summer	2	3600	9.544	0.294	0.3	0.0090	0.0000	FLOOD RISK	1.001	3	-0.3	-0.025	-0.015	1.1264	
7200 minute summer	3	3600	9.544	0.364	0.5	0.0090	0.0000	FLOOD RISK	1.002	4	-0.5	-0.022	-0.023	0.4988	
7200 minute summer	4	3600	9.544	0.444	0.7	0.0090	0.0000	FLOOD RISK	1.003	5	-0.7	-0.022	-0.030	0.8441	
7200 minute summer	5	3600	9.544	0.544	0.8	0.0090	0.0000	FLOOD RISK	1.004	6	-0.8	-0.024	-0.029	0.1821	
7200 minute summer	6	3600	9.544	0.644	2.6	5.3096	0.0000	FLOOD RISK	1.005	7	2.6	0.319	0.054	0.7796	
7200 minute summer	7	3600	9.544	0.794	4.1	3.2355	0.0000	FLOOD RISK	1.006	8	4.1	0.305	0.058	2.4923	
7200 minute summer	8	3600	9.543	0.893	7.1	6.8136	0.0000	FLOOD RISK	1.007	9	7.1	0.295	0.056	5.9230	
7200 minute summer	9	3600	9.543	1.193	12.1	11.6090	0.0000	FLOOD RISK	1.008	10	12.1	0.280	0.051	3.1360	
7200 minute summer	10	3600	9.543	1.243	13.0	2.2035	0.0000	FLOOD RISK	1.009	11	13.0	0.253	0.088	47.8613	
7200 minute summer	11	3600	9.540	1.540	13.0	0.0000	0.0000	FLOOD RISK	1.010	12	13.0	0.187	0.046	63.3278	
7200 minute summer	12	780	7.750	1.000	13.0	0.0000	0.0000	FLOOD RISK	1.011	13	13.0	0.109	0.086	0.2491	
7200 minute summer	13	3600	9.536	0.036	13.0	0.0000	0.0000	OK	1.012	13_OUT	13.0	2.097	0.011	0.0371	
7200 minute summer	13_OUT	7200	7.894	0.361	13.0	0.0000	0.0000	OK	Flow through pond	49	16.6	0.002	0.000	3323.8586	
7200 minute summer	14	3600	9.541	0.241	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.005	-0.004	0.8136	
7200 minute summer	15	3600	9.541	0.453	2.0	3.6046	0.0000	FLOOD RISK	2.001	16	2.0	0.270	0.041	0.9254	
7200 minute summer	16	3600	9.541	0.660	2.0	0.0000	0.0000	FLOOD RISK	2.002	17	2.0	0.256	0.041	0.6320	
7200 minute summer	17	3600	9.540	0.661	3.0	2.1145	0.0000	FLOOD RISK	2.003	18	3.0	0.271	0.038	1.8750	
7200 minute summer	18	3600	9.540	0.859	5.5	5.4059	0.0000	FLOOD RISK	2.004	19	5.5	0.285	0.044	5.4890	
7200 minute summer	19	3600	9.540	1.084	9.8	9.7780	0.0000	FLOOD RISK	2.005	20	9.8	0.272	0.050	4.0828	
7200 minute summer	20	3600	9.540	1.129	9.8	0.0000	0.0000	FLOOD RISK	2.006	21	9.8	0.383	0.050	3.4978	
7200 minute summer	21	3600	9.540	1.158	9.8	0.0000	0.0000	FLOOD RISK	2.007	22	9.8	0.395	0.016	3.7404	
7200 minute summer	22	3600	9.540	1.540	12.6	6.6887	0.0000	FLOOD RISK	2.008	23	12.6	0.165	0.044	53.3017	
7200 minute summer	23	780	7.750	1.600	12.6	0.0000	0.0000	FLOOD RISK	2.009	24	12.6	0.106	0.064	0.2492	
7200 minute summer	24	3600	9.533	0.033	12.6	0.0000	0.0000	OK	2.010	24_OUT	12.6	2.078	0.010	0.0363	
7200 minute summer	24_OUT	7200	7.894	0.361	12.6	0.0000	0.0000	OK	Flow through pond	49	16.6	0.002	0.000	3323.8586	
7200 minute summer	25	3360	8.897	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.262	0.011	0.0253	
7200 minute summer	26	3360	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				
7200 minute summer	27	3360	8.129	0.014	0.5	0.0290	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0273	
									Infiltration		0.1				
7200 minute summer	28	3360	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.503	0.018	0.0328	
									Infiltration		0.1				
7200 minute summer	29	3360	7.060	0.013	0.7	0.0182	0.0000	OK	3.004	30	0.8	0.626	0.021	0.0064	
									Infiltration		0.1				
7200 minute summer	30	3360	6.833	0.010	0.6	0.0012	0.0000	OK	3.005	31	0.6	0.113	0.000	0.1012	
7200 minute summer	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				
7200 minute summer	32	3480	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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7200 minute summer	57	3000	8.327	0.017	0.3	0.0138	0.0000OK	Infiltration		0.0			
7200 minute summer	58	3120	8.285	0.020	0.3	0.0326	0.0000OK	Infiltration		0.0			
7200 minute summer	59	3000	8.217	0.012	0.3	0.0157	0.0000OK	Infiltration		0.1			
7200 minute summer	60	4320	8.210	0.025	0.3	0.0087	0.0000OK	Infiltration		0.1			
7200 minute summer	61	4320	8.210	0.074	0.4	0.0253	0.0000OK	Infiltration		0.3	0.028	0.000	1.2742
7200 minute summer	62							Infiltration		0.1			
7200 minute summer	62	3000	8.149	0.004	0.1	0.0013	0.0000OK	Infiltration		0.3			
7200 minute summer	63	4320	7.894	0.058	0.2	0.0197	0.0000OK	Infiltration		0.1			
7200 minute summer	63_OUT	4320	7.894	0.129	0.2	0.0439	0.0000OK	Infiltration		0.1			
7200 minute summer	64	3720	6.233	0.048	0.1	0.0076	0.0000OK	Infiltration		0.1	0.040	0.000	1.1160
7200 minute summer	65	3720	6.233	0.108	0.2	0.0172	0.0000OK	Infiltration	65_OUT	0.1	0.014	0.000	1.4011
7200 minute summer	66							Infiltration		0.1			
7200 minute summer	66	3720	6.233	0.140	0.2	0.0221	0.0000OK	Infiltration		0.2			
7200 minute summer	67							Infiltration		0.1			
7200 minute summer	67	3720	6.233	0.157	0.1	0.0243	0.0000OK	Infiltration		0.1			
7200 minute summer	68							Infiltration		0.1			
7200 minute summer	68	3000	6.079	0.003	0.1	0.0004	0.0000OK	Infiltration		0.1			
7200 minute summer	69	3720	5.920	0.155	0.2	0.0248	0.0000OK	Infiltration		0.1	0.009	0.000	1.4523
7200 minute summer	70							Infiltration		0.3	0.000	0.000	0.0000
7200 minute summer	70	3600	5.758	0.003	0.1	0.0005	0.0000OK	Infiltration		0.1			
7200 minute summer	71	3720	5.758	0.071	0.2	0.0114	0.0000OK	Infiltration		0.1	0.014	0.000	0.1938
7200 minute summer	72							Infiltration		0.1			
7200 minute summer	72	3720	5.758	0.071	0.2	0.0114	0.0000OK	Infiltration		0.1	0.008	0.000	0.0000
7200 minute summer	73							Infiltration		0.2			
7200 minute summer	73	3720	5.847	0.142	0.1	0.0227	0.0000OK	Infiltration		0.1	0.013	0.000	0.5442
7200 minute summer	74	3720	5.847	0.142	0.2	0.0227	0.0000OK	Infiltration		0.1	0.018	0.000	0.6162
7200 minute summer	75							Infiltration		0.1			
7200 minute summer	75	3720	5.847	0.142	0.2	0.0227	0.0000OK	Infiltration		0.1	0.008	0.000	0.7820
7200 minute summer	76							Infiltration		0.1			
7200 minute summer	76	3720	5.847	0.212	0.2	0.0322	0.0000OK	Infiltration		0.1	0.001	0.000	0.9139
7200 minute summer	76_OUT	3720	5.847	0.212	0.2	0.0339	0.0000OK	Infiltration	76_OUT	0.1			
7200 minute summer	77							Infiltration		0.1			

Results for 30 year 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 97.96%

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	3540	9.538	0.238	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.009	-0.008	0.4853	
7200 minute winter	2	3540	9.538	0.250	0.5	0.0000	0.0000	FLOOD RISK	1.001	3	-0.5	-0.017	-0.024	1.1264	
7200 minute winter	3	3720	9.538	0.338	0.8	0.0000	0.0000	FLOOD RISK	1.002	4	-0.8	-0.045	-0.028	0.4988	
7200 minute winter	4	3660	9.538	0.438	0.7	0.0000	0.0000	FLOOD RISK	1.003	5	-0.7	-0.028	-0.028	0.8441	
7200 minute winter	5	3660	9.539	0.535	0.7	0.0000	0.0000	FLOOD RISK	1.004	6	-0.7	-0.020	-0.019	0.1921	
7200 minute winter	6	3660	9.538	0.638	2.0	5.2395	0.0000	FLOOD RISK	1.005	7	1.9	0.340	0.040	0.7796	
7200 minute winter	7	3800	9.538	0.785	3.0	3.2014	0.0000	FLOOD RISK	1.006	8	3.0	0.307	0.043	2.4923	
7200 minute winter	8	3720	9.538	0.885	5.2	6.7824	0.0000	FLOOD RISK	1.007	9	5.2	0.307	0.048	5.9230	
7200 minute winter	9	3720	9.538	1.185	8.8	11.5226	0.0000	FLOOD RISK	1.008	10	8.8	0.288	0.037	3.1380	
7200 minute winter	10	3720	9.538	1.235	9.5	2.1895	0.0000	FLOOD RISK	1.009	11	9.5	0.256	0.064	47.8913	
7200 minute winter	11	3540	9.534	1.534	9.5	0.0000	0.0000	FLOOD RISK	1.010	12	9.5	0.120	0.033	53.3278	
7200 minute winter	12	780	7.750	1.000	9.5	0.0000	0.0000	FLOOD RISK	1.011	13	9.5	0.081	0.046	0.2476	
7200 minute winter	13	3880	9.531	0.031	9.5	0.0000	0.0000	OK	1.012	13_OUT	9.5	1.905	0.008	0.0299	
7200 minute winter	13_OUT	7080	7.942	0.408	11.8	0.0000	0.0000	OK	Flow through pond	49	22.0	0.002	0.000	3761.7388	
7200 minute winter	14	3660	9.533	0.233	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.008	-0.007	0.8138	
7200 minute winter	15	3660	9.533	0.447	1.5	3.5457	0.0000	FLOOD RISK	2.001	16	1.5	0.275	0.031	0.9254	
7200 minute winter	16	3660	9.533	0.542	1.5	0.0000	0.0000	FLOOD RISK	2.002	17	1.5	0.294	0.030	0.6320	
7200 minute winter	17	3880	9.533	0.874	2.2	2.0918	0.0000	FLOOD RISK	2.003	18	2.2	0.283	0.028	1.6750	
7200 minute winter	18	3600	9.533	0.852	4.0	5.3603	0.0000	FLOOD RISK	2.004	19	4.0	0.295	0.032	5.4690	
7200 minute winter	19	3660	9.533	1.077	7.1	9.7118	0.0000	FLOOD RISK	2.005	20	7.1	0.291	0.038	4.9628	
7200 minute winter	20	3660	9.533	1.122	7.1	0.0000	0.0000	FLOOD RISK	2.006	21	7.1	0.491	0.038	3.4979	
7200 minute winter	21	3660	9.533	1.181	7.1	0.0000	0.0000	FLOOD RISK	2.007	22	7.1	0.430	0.012	3.7404	
7200 minute winter	22	3800	9.533	1.533	9.1	6.6584	0.0000	FLOOD RISK	2.008	23	9.1	0.185	0.032	53.3017	
7200 minute winter	23	780	7.750	1.090	9.1	0.0000	0.0000	FLOOD RISK	2.009	24	9.1	0.077	0.048	0.2477	
7200 minute winter	24	3660	9.531	0.031	9.1	0.0000	0.0000	OK	2.010	24_OUT	9.1	1.879	0.007	0.0290	
7200 minute winter	24_OUT	7020	7.942	0.408	11.3	0.0000	0.0000	OK	Flow through pond	49	22.0	0.002	0.000	3761.7388	
7200 minute winter	25	3360	8.607	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.252	0.011	0.0253	
7200 minute winter	26	3380	8.449	0.014	0.4	0.0183	0.0000	OK	3.001	27	0.3	0.351	0.016	0.0327	
7200 minute winter	27							Infiltration			0.1				
7200 minute winter	27	3360	8.129	0.014	0.5	0.0200	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0273	
7200 minute winter	28							Infiltration			0.1				
7200 minute winter	28	3360	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.500	0.019	0.0328	
7200 minute winter	29							Infiltration			0.1				
7200 minute winter	29	3380	7.080	0.015	0.7	0.0182	0.0000	OK	3.004	30	0.8	0.829	0.021	0.0064	
7200 minute winter	30							Infiltration			0.1				
7200 minute winter	30	3360	6.835	0.010	0.6	0.0012	0.0000	OK	3.005	31	0.6	0.113	0.000	0.1012	
7200 minute winter	31	3360	6.708	0.011	0.6	0.0013	0.0000	OK	3.006	32	0.6	0.052	0.000	0.1504	
7200 minute winter								Infiltration			0.1				

7200 minute winter	32	3480	6.675	0.030	0.5	0.0037	0.0000OK	3.097	33	0.0	0.000	0.000	0.1128
								Infiltration		0.1			
								Infiltration		0.4			
7200 minute winter	33	60	6.775	0.000	0.0	0.0000	0.0000OK	3.098	34	0.0	0.000	0.000	0.0002
7200 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000OK	3.099	35	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	35	80	6.675	0.000	0.0	0.0000	0.0000OK	3.010	36	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	36	60	6.505	0.000	0.0	0.0000	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
7200 minute winter	37	80	6.505	0.000	0.0	0.0000	0.0000OK	3.012	38	0.0	0.000	0.000	0.0000
7200 minute winter	38	80	6.265	0.000	0.0	0.0000	0.0000OK	3.013	39	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
								Infiltration		0.0			
7200 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000OK	3.014	40	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	40	80	6.895	0.000	0.0	0.0000	0.0000OK	3.015	41	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	41	60	6.885	0.000	0.0	0.0000	0.0000OK	3.016	42	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000OK	3.017	43	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	43	80	7.145	0.000	0.0	0.0000	0.0000OK	3.018	44	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000OK	3.019	45	0.0	0.000	0.000	0.0002
7200 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000OK	3.020	46	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	46	80	7.125	0.000	0.0	0.0000	0.0000OK	3.021	47	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	47	60	6.985	0.000	0.0	0.0000	0.0000OK	3.022	48	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	48	60	6.795	0.000	0.0	0.0000	0.0000OK	3.023	53	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	49	7440	7.935	-0.055	27.1	0.0000	0.0000OK	Orifice	50	0.0			
								Infiltration		0.0			
7200 minute winter	50	60	7.400	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
7200 minute winter	51	60	7.300	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
7200 minute winter	52	80	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
7200 minute winter	53	80	6.785	0.000	0.0	0.0000	0.0000OK	3.024	54	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	54	60	6.525	0.000	0.0	0.0000	0.0000OK	3.025	54_OUT	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
7200 minute winter	54_OUT	60	6.505	0.000	0.0	0.0000	0.0000OK	Infiltration		0.0			

7200 minute winter	55	2790	8.459	0.013	0.1	0.0043	0.0000	OK	5.090	56	0.1	0.150	0.014	0.0111
7200 minute winter	56	2790	8.428	0.012	0.2	0.0149	0.0000	OK	5.091	57	0.2	0.182	0.012	0.0180
									Infiltration		0.0			
7200 minute winter	57	2790	8.327	0.017	0.3	0.0130	0.0000	OK	5.092	58	0.2	0.177	0.027	0.0378
									Infiltration		0.0			
7200 minute winter	58	2820	8.265	0.020	0.3	0.0328	0.0000	OK	5.093	59	0.2	0.209	0.028	0.0224
									Infiltration		0.1			
7200 minute winter	59	2700	8.217	0.012	0.3	0.0157	0.0000	OK	5.094	60	0.2	0.041	0.000	0.3361
									Infiltration		0.1			
7200 minute winter	60	4350	8.210	0.025	0.3	0.0087	0.0000	OK	5.095	61	0.3	0.020	0.000	1.2742
									Infiltration		0.1			
7200 minute winter	61	4440	8.210	0.074	0.4	0.0253	0.0000	OK	5.096	62	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
7200 minute winter	62	2790	8.149	0.034	0.1	0.0013	0.0000	OK	5.097	63	0.1	0.040	0.000	1.1175
7200 minute winter	63	4920	7.994	0.058	0.2	0.0197	0.0000	OK	5.098	63_OUT	0.1	0.014	0.000	1.4923
									Infiltration		0.1			
7200 minute winter	63_OUT	4820	7.894	0.128	0.2	0.0439	0.0000	OK	Infiltration		0.2			
7200 minute winter	64	80	6.185	0.000	0.0	0.0000	0.0000	OK	5.099	65	0.0	0.000	0.000	0.0002
7200 minute winter	65	80	6.125	0.000	0.0	0.0000	0.0000	OK	5.091	66	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
7200 minute winter	66	60	6.093	0.000	0.0	0.0000	0.0000	OK	5.092	67	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
7200 minute winter	67	80	6.075	0.000	0.0	0.0000	0.0000	OK	5.093	68	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
7200 minute winter	68	60	6.078	0.000	0.0	0.0000	0.0000	OK	5.094	69	0.0	0.000	0.000	0.0004
7200 minute winter	69	60	5.785	0.000	0.0	0.0000	0.0000	OK	5.095	70	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
7200 minute winter	70	80	5.755	0.000	0.0	0.0000	0.0000	OK	5.096	71	0.0	0.000	0.000	0.0001
7200 minute winter	71	80	5.685	0.000	0.0	0.0000	0.0000	OK	5.097	72	0.0	0.000	0.000	0.0004
									Infiltration		0.0			
7200 minute winter	72	60	5.685	0.000	0.0	0.0000	0.0000	OK	5.098	73	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
7200 minute winter	73	80	5.705	0.000	0.0	0.0000	0.0000	OK	5.099	74	0.0	0.000	0.000	0.0001
7200 minute winter	74	80	5.705	0.000	0.0	0.0000	0.0000	OK	5.010	75	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
7200 minute winter	75	60	5.705	0.000	0.0	0.0000	0.0000	OK	5.011	76	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
7200 minute winter	76	80	5.835	0.000	0.0	0.0000	0.0000	OK	5.012	76_OUT	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
7200 minute winter	76_OUT	80	5.835	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

Results for 30 year 8640 minute summer, 8640 minute analysis at 60 minute timestep, Mass balance: 97.87%

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)
8640 minute summer	1	4380	9.541	0.241	0.1	0.0090	0.0000	FLOOD RISK	1.090	2	-0.1	-0.004	-0.004	0.4853	
8640 minute summer	2	4380	9.541	0.281	0.3	0.0090	0.0000	FLOOD RISK	1.001	3	-0.3	-0.013	-0.013	1.1264	
8640 minute summer	3	4320	9.541	0.301	0.4	0.0090	0.0000	FLOOD RISK	1.002	4	-0.4	-0.015	-0.015	0.4988	
8640 minute summer	4	4320	9.541	0.441	0.5	0.0090	0.0000	FLOOD RISK	1.003	5	-0.5	-0.016	-0.022	0.8441	
8640 minute summer	5	4380	9.541	0.541	0.5	0.0090	0.0000	FLOOD RISK	1.004	6	-0.5	-0.020	-0.014	0.1821	
8640 minute summer	6	4380	9.541	0.641	2.4	5.2856	0.0000	FLOOD RISK	1.005	7	2.4	0.291	0.050	0.7796	
8640 minute summer	7	4380	9.541	0.791	3.8	3.2237	0.0000	FLOOD RISK	1.006	8	3.8	0.288	0.054	2.4923	
8640 minute summer	8	4320	9.541	0.891	6.5	6.7996	0.0000	FLOOD RISK	1.007	9	6.5	0.281	0.050	5.9230	
8640 minute summer	9	4320	9.540	1.190	11.0	11.5743	0.0000	FLOOD RISK	1.008	10	11.0	0.263	0.046	3.1360	
8640 minute summer	10	4320	9.540	1.240	11.8	2.1988	0.0000	FLOOD RISK	1.009	11	11.8	0.234	0.080	47.8813	
8640 minute summer	11	4320	9.538	1.538	11.8	0.0090	0.0000	FLOOD RISK	1.010	12	11.8	0.185	0.041	63.3278	
8640 minute summer	12	840	7.750	1.008	11.8	0.0090	0.0000	FLOOD RISK	1.011	13	11.8	0.098	0.080	0.2486	
8640 minute summer	13	4380	9.534	0.834	11.8	0.0090	0.0000	OK	1.012	13_OUT	11.8	2.036	0.010	0.0347	
8640 minute summer	13_OUT	8640	7.928	0.393	11.8	0.0090	0.0000	OK	Flow through pond	48	25.0	0.002	0.000	3612.0959	
8640 minute summer	14	4320	9.538	0.238	0.1	0.0090	0.0000	FLOOD RISK	2.000	15	-0.1	-0.009	-0.005	0.8130	
8640 minute summer	15	4320	9.538	0.452	1.8	3.5834	0.0000	FLOOD RISK	2.001	16	1.8	0.240	0.037	0.9254	
8640 minute summer	16	4320	9.538	0.547	1.8	0.0090	0.0000	FLOOD RISK	2.002	17	1.8	0.256	0.037	0.6320	
8640 minute summer	17	4320	9.538	0.678	2.7	2.1054	0.0000	FLOOD RISK	2.003	18	2.7	0.271	0.036	1.8750	
8640 minute summer	18	4320	9.538	0.857	4.9	5.3895	0.0000	FLOOD RISK	2.004	19	4.9	0.285	0.039	5.4890	
8640 minute summer	19	4320	9.538	1.082	8.8	9.7531	0.0000	FLOOD RISK	2.005	20	8.8	0.292	0.045	4.0828	
8640 minute summer	20	4320	9.537	1.128	8.8	0.0090	0.0000	FLOOD RISK	2.006	21	8.8	0.359	0.044	3.4978	
8640 minute summer	21	4320	9.537	1.155	8.8	0.0090	0.0000	FLOOD RISK	2.007	22	8.8	0.398	0.015	3.7404	
8640 minute summer	22	4320	9.537	1.537	11.3	6.5779	0.0000	FLOOD RISK	2.008	23	11.3	0.190	0.039	53.3017	
8640 minute summer	23	840	7.750	1.600	11.3	0.0090	0.0000	FLOOD RISK	2.009	24	11.3	0.095	0.058	0.2486	
8640 minute summer	24	4380	9.534	0.934	11.3	0.0090	0.0000	OK	2.010	24_OUT	11.3	2.019	0.008	0.0337	
8640 minute summer	24_OUT	8640	7.928	0.393	11.3	0.0090	0.0000	OK	Flow through pond	49	25.0	0.002	0.000	3612.0959	
8640 minute summer	25	4080	8.897	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.282	0.011	0.0253	
8640 minute summer	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				
8640 minute summer	27	4080	8.129	0.014	0.5	0.0290	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0273	
								Infiltration			0.1				
8640 minute summer	28	4080	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.503	0.018	0.0328	
								Infiltration			0.1				
8640 minute summer	29	4080	7.080	0.015	0.7	0.0182	0.0000	OK	3.004	30	0.8	0.620	0.021	0.0084	
								Infiltration			0.1				
8640 minute summer	30	4080	6.835	0.018	0.9	0.0012	0.0000	OK	3.005	31	0.9	0.113	0.000	0.1012	
8640 minute summer	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				
8640 minute summer	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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8640 minute summer	57	3650	8.327	0.017	0.3	0.0138	0.0000CK	Infiltration	5.002	58	0.2	0.177	0.027	0.0378
8640 minute summer	58	3780	8.285	0.020	0.3	0.0326	0.0000CK	Infiltration	5.003	59	0.2	0.209	0.028	0.0224
8640 minute summer	59	3880	8.217	0.012	0.3	0.0157	0.0000CK	Infiltration	5.004	60	0.2	0.041	0.000	0.3361
8640 minute summer	60	5100	8.218	0.025	0.3	0.0087	0.0000CK	Infiltration	5.005	61	0.3	0.028	0.000	1.2742
8640 minute summer	61	5100	8.210	0.074	0.4	0.0253	0.0000CK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
8640 minute summer	62	3720	8.149	0.004	0.1	0.0013	0.0000CK	Infiltration	5.007	63	0.1	0.040	0.000	1.1167
8640 minute summer	63	5100	7.894	0.058	0.2	0.0197	0.0000CK	Infiltration	5.008	63_OUT	0.1	0.014	0.000	1.4017
8640 minute summer	63_OUT	5100	7.894	0.129	0.2	0.0439	0.0000CK	Infiltration	5.009					
8640 minute summer	64	4380	6.188	0.003	0.1	0.0006	0.0000CK	Infiltration	6.000	65	0.1	0.024	0.000	0.1788
8640 minute summer	65	4380	6.184	0.056	0.2	0.0094	0.0000CK	Infiltration	6.001	66	0.1	0.005	0.000	0.5188
8640 minute summer	66	4380	6.184	0.091	0.2	0.0143	0.0000CK	Infiltration	6.002	67	0.0	0.002	0.000	0.3772
8640 minute summer	67	4380	6.184	0.108	0.1	0.0187	0.0000CK	Infiltration	6.003	68	0.0	0.000	0.000	0.0000
8640 minute summer	68	4380	6.079	0.003	0.1	0.0004	0.0000CK	Infiltration	6.004	69	0.1	0.009	0.000	0.8705
8640 minute summer	69	4440	5.887	0.102	0.2	0.0183	0.0000CK	Infiltration	6.005	70	0.0	0.000	0.000	0.0000
8640 minute summer	70	4380	5.758	0.003	0.1	0.0005	0.0000CK	Infiltration	6.006	71	0.1	0.014	0.000	0.1311
8640 minute summer	71	4380	5.734	0.046	0.2	0.0078	0.0000CK	Infiltration	6.007	72	0.1	0.008	0.000	0.6618
8640 minute summer	72	4380	5.734	0.049	0.2	0.0078	0.0000CK	Infiltration	6.008	73	0.0	0.000	0.000	0.0000
8640 minute summer	73	4440	5.776	0.071	0.1	0.0114	0.0000CK	Infiltration	6.009	74	0.1	0.013	0.000	0.2432
8640 minute summer	74	4440	5.776	0.071	0.2	0.0114	0.0000CK	Infiltration	6.010	75	0.1	0.018	0.000	0.2754
8640 minute summer	75	4440	5.776	0.071	0.2	0.0114	0.0000CK	Infiltration	6.011	76	0.1	0.008	0.000	0.4244
8640 minute summer	76	4440	5.776	0.141	0.2	0.0215	0.0000CK	Infiltration	6.012	76_OUT	0.1	0.001	0.000	0.5489
8640 minute summer	76_OUT	4440	5.776	0.141	0.2	0.0226	0.0000CK	Infiltration	6.013					

Results for 30 year 8640 minute winter, 8640 minute analysis at 60 minute timestep, Mass balance: 98.68%

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)
8640 minute winter	1	4380	9.533	0.233	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.010	-0.006	0.4853	
8640 minute winter	2	4380	9.533	0.253	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.015	-0.020	1.1264	
8640 minute winter	3	4440	9.533	0.333	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.024	-0.025	0.4988	
8640 minute winter	4	4440	9.533	0.433	0.5	0.0000	0.0000	FLOOD RISK	1.003	5	-0.5	-0.019	-0.025	0.8441	
8640 minute winter	5	4440	9.533	0.533	0.5	0.0000	0.0000	FLOOD RISK	1.004	6	-0.5	-0.020	-0.017	0.1521	
8640 minute winter	6	4320	9.533	0.633	1.7	5.2194	0.0000	FLOOD RISK	1.005	7	1.7	0.318	0.036	0.7796	
8640 minute winter	7	4320	9.533	0.733	2.7	3.1914	0.0000	FLOOD RISK	1.006	8	2.8	0.288	0.039	2.4923	
8640 minute winter	8	4260	9.533	0.833	4.7	6.7457	0.0000	FLOOD RISK	1.007	9	4.7	0.295	0.044	5.9230	
8640 minute winter	9	4440	9.533	1.183	7.9	11.4993	0.0000	FLOOD RISK	1.008	10	7.8	0.286	0.033	3.1380	
8640 minute winter	10	4440	9.533	1.233	8.5	2.1852	0.0000	FLOOD RISK	1.009	11	8.5	0.257	0.058	47.8913	
8640 minute winter	11	4440	9.533	1.532	8.5	0.0000	0.0000	FLOOD RISK	1.010	12	8.5	0.133	0.030	53.3278	
8640 minute winter	12	840	7.750	1.000	8.5	0.0000	0.0000	FLOOD RISK	1.011	13	8.5	0.072	0.043	0.2472	
8640 minute winter	13	4440	9.533	0.030	8.5	0.0000	0.0000	OK	1.012	13_OUT	8.5	1.840	0.007	0.0277	
8640 minute winter	13_OUT	8400	7.978	0.445	12.4	0.0000	0.0000	OK	Flow through pond	49	32.7	0.003	0.000	4093.7527	
8640 minute winter	14	4440	9.531	0.231	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.004	-0.004	0.8138	
8640 minute winter	15	4260	9.531	0.445	1.3	3.5298	0.0000	FLOOD RISK	2.001	16	1.3	0.246	0.027	0.9254	
8640 minute winter	16	4260	9.531	0.540	1.3	0.0000	0.0000	FLOOD RISK	2.002	17	1.3	0.258	0.026	0.6320	
8640 minute winter	17	4440	9.531	0.972	2.0	2.6657	0.0000	FLOOD RISK	2.003	18	2.0	0.271	0.026	1.6750	
8640 minute winter	18	4440	9.531	0.850	3.6	5.3480	0.0000	FLOOD RISK	2.004	19	3.6	0.285	0.029	5.4690	
8640 minute winter	19	4260	9.531	1.075	8.4	9.8943	0.0000	FLOOD RISK	2.005	20	8.4	0.272	0.032	4.9528	
8640 minute winter	20	4320	9.531	1.120	8.4	0.0000	0.0000	FLOOD RISK	2.006	21	8.4	0.350	0.032	3.4979	
8640 minute winter	21	4380	9.531	1.159	6.4	0.0000	0.0000	FLOOD RISK	2.007	22	6.4	0.416	0.011	3.7404	
8640 minute winter	22	4440	9.531	1.531	8.2	6.6501	0.0000	FLOOD RISK	2.008	23	8.2	0.179	0.026	53.3017	
8640 minute winter	23	900	7.750	1.000	8.2	0.0000	0.0000	FLOOD RISK	2.009	24	8.2	0.070	0.042	0.2472	
8640 minute winter	24	4320	9.529	0.029	8.2	0.0000	0.0000	OK	2.010	24_OUT	8.2	1.820	0.007	0.0270	
8640 minute winter	24_OUT	8400	7.968	0.433	11.8	0.0000	0.0000	OK	Flow through pond	49	32.7	0.003	0.000	4093.7527	
8640 minute winter	25	2640	8.604	0.008	0.1	0.0052	0.0000	OK	3.000	26	0.1	0.240	0.006	0.0148	
8640 minute winter	26	2840	8.445	0.010	0.2	0.0105	0.0000	OK	3.001	27	0.1	0.278	0.006	0.0177	
8640 minute winter	27							Infiltration			0.1				
8640 minute winter	27	2640	8.124	0.009	0.2	0.0103	0.0000	OK	3.002	28	0.1	0.311	0.007	0.0141	
8640 minute winter	28							Infiltration			0.1				
8640 minute winter	28	2640	7.704	0.009	0.2	0.0092	0.0000	OK	3.003	29	0.2	0.374	0.007	0.0168	
8640 minute winter	29							Infiltration			0.1				
8640 minute winter	29	2640	7.975	0.010	0.3	0.0090	0.0000	OK	3.004	30	0.2	0.473	0.008	0.0033	
8640 minute winter	30							Infiltration			0.0				
8640 minute winter	30	2640	6.839	0.005	0.2	0.0007	0.0000	OK	3.005	31	0.2	0.050	0.000	0.0561	
8640 minute winter	31	2640	6.701	0.005	0.2	0.0007	0.0000	OK	3.006	32	0.2	0.050	0.000	0.0868	
8640 minute winter								Infiltration			0.0				

8640 minute winter	32	2780	6.858	0.011	0.2	0.0014	0.0000OK	3.087	33	0.0	0.000	0.000	0.0002
								Infiltration		0.1			
								Infiltration		0.1			
8640 minute winter	33	50	6.775	0.000	0.0	0.0000	0.0000OK	3.088	34	0.0	0.000	0.000	0.0002
8640 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000OK	3.089	35	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	35	80	6.675	0.000	0.0	0.0000	0.0000OK	3.010	36	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	36	90	6.505	0.000	0.0	0.0000	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
8640 minute winter	37	80	6.505	0.000	0.0	0.0000	0.0000OK	3.012	38	0.0	0.000	0.000	0.0000
8640 minute winter	38	80	6.265	0.000	0.0	0.0000	0.0000OK	3.013	39	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
								Infiltration		0.0			
8640 minute winter	39	50	6.455	0.000	0.0	0.0000	0.0000OK	3.014	40	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	40	80	6.895	0.000	0.0	0.0000	0.0000OK	3.015	41	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	41	90	6.885	0.000	0.0	0.0000	0.0000OK	3.016	42	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	42	60	7.985	0.000	0.0	0.0000	0.0000OK	3.017	43	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	43	80	7.145	0.000	0.0	0.0000	0.0000OK	3.018	44	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	44	90	7.225	0.000	0.0	0.0000	0.0000OK	3.019	45	0.0	0.000	0.000	0.0002
8640 minute winter	45	50	7.195	0.000	0.0	0.0000	0.0000OK	3.020	46	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	46	80	7.125	0.000	0.0	0.0000	0.0000OK	3.021	47	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	47	50	6.985	0.000	0.0	0.0000	0.0000OK	3.022	48	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	48	50	6.795	0.000	0.0	0.0000	0.0000OK	3.023	53	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	49	8640	7.971	-0.029	36.4	0.0000	0.0000OK	Orifice	50	0.0			
								Infiltration		0.0			
8640 minute winter	50	50	7.400	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
8640 minute winter	51	60	7.300	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
8640 minute winter	52	80	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
8640 minute winter	53	80	6.785	0.000	0.0	0.0000	0.0000OK	3.024	54	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	54	50	6.525	0.000	0.0	0.0000	0.0000OK	3.025	54_OUT	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
8640 minute winter	54_OUT	80	6.505	0.000	0.0	0.0000	0.0000OK	Infiltration		0.0			

8640 minute winter	55	3420	8.459	0.013	0.1	0.0043	0.0000	OK	5.090	56	0.1	0.150	0.014	0.0111
8640 minute winter	56	3420	8.428	0.012	0.2	0.0149	0.0000	OK	5.091	57	0.2	0.182	0.012	0.0180
									Infiltration		0.0			
8640 minute winter	57	3420	8.327	0.017	0.3	0.0130	0.0000	OK	5.092	58	0.2	0.177	0.027	0.0378
									Infiltration		0.0			
8640 minute winter	58	3540	8.265	0.020	0.3	0.0328	0.0000	OK	5.093	59	0.2	0.209	0.028	0.0224
									Infiltration		0.1			
8640 minute winter	59	3420	8.217	0.012	0.3	0.0157	0.0000	OK	5.094	60	0.2	0.041	0.000	0.3361
									Infiltration		0.1			
8640 minute winter	60	5190	8.210	0.025	0.3	0.0087	0.0000	OK	5.095	61	0.3	0.020	0.000	1.2742
									Infiltration		0.1			
8640 minute winter	61	5180	8.210	0.074	0.4	0.0253	0.0000	OK	5.096	62	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
8640 minute winter	62	3480	8.140	0.034	0.1	0.0013	0.0000	OK	5.097	63	0.1	0.040	0.000	1.1175
8640 minute winter	63	5340	7.994	0.058	0.2	0.0197	0.0000	OK	5.098	63_OUT	0.1	0.014	0.000	1.4923
									Infiltration		0.1			
8640 minute winter	63_OUT	5340	7.894	0.128	0.2	0.0439	0.0000	OK	Infiltration		0.2			
8640 minute winter	64	80	6.185	0.000	0.0	0.0000	0.0000	OK	5.099	65	0.0	0.000	0.000	0.0002
8640 minute winter	65	80	6.125	0.000	0.0	0.0000	0.0000	OK	5.091	66	0.0	0.000	0.000	0.0002
									Infiltration		0.0			
8640 minute winter	66	60	6.093	0.000	0.0	0.0000	0.0000	OK	5.092	67	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
8640 minute winter	67	80	6.076	0.000	0.0	0.0000	0.0000	OK	5.093	68	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
8640 minute winter	68	60	6.078	0.000	0.0	0.0000	0.0000	OK	5.094	69	0.0	0.000	0.000	0.0004
8640 minute winter	69	60	5.785	0.000	0.0	0.0000	0.0000	OK	5.095	70	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
8640 minute winter	70	80	5.755	0.000	0.0	0.0000	0.0000	OK	5.096	71	0.0	0.000	0.000	0.0001
8640 minute winter	71	80	5.685	0.000	0.0	0.0000	0.0000	OK	5.097	72	0.0	0.000	0.000	0.0004
									Infiltration		0.0			
8640 minute winter	72	60	5.685	0.000	0.0	0.0000	0.0000	OK	5.098	73	0.0	0.000	0.000	0.0000
									Infiltration		0.0			
8640 minute winter	73	80	5.705	0.000	0.0	0.0000	0.0000	OK	5.099	74	0.0	0.000	0.000	0.0001
8640 minute winter	74	80	5.705	0.000	0.0	0.0000	0.0000	OK	5.010	75	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
8640 minute winter	75	60	5.705	0.000	0.0	0.0000	0.0000	OK	5.011	76	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
8640 minute winter	76	80	5.835	0.000	0.0	0.0000	0.0000	OK	5.012	76_OUT	0.0	0.000	0.000	0.0001
									Infiltration		0.0			
8640 minute winter	76_OUT	80	5.835	0.000	0.0	0.0000	0.0000	OK	Infiltration		0.0			

Results for 30 year 10080 minute summer. 16320 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)
10080 minute summer	1	5040	9.538	0.238	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.008	-0.004	0.4653	
10080 minute summer	2	5040	9.538	0.288	0.3	0.0000	0.0000	FLOOD RISK	1.001	3	-0.3	-0.010	-0.014	1.1254	
10080 minute summer	3	5040	9.538	0.388	0.4	0.0000	0.0000	FLOOD RISK	1.002	4	-0.4	-0.012	-0.017	0.4386	
10080 minute summer	4	5040	9.538	0.438	0.4	0.0000	0.0000	FLOOD RISK	1.003	5	-0.4	-0.014	-0.018	0.5441	
10080 minute summer	5	5040	9.538	0.538	0.4	0.0000	0.0000	FLOOD RISK	1.004	6	-0.4	-0.014	-0.012	0.1621	
10080 minute summer	6	5100	9.538	0.838	2.2	5.2678	0.0000	FLOOD RISK	1.005	7	2.2	0.291	0.045	0.7796	
10080 minute summer	7	5100	9.538	0.788	3.5	3.2152	0.0000	FLOOD RISK	1.006	8	3.5	0.286	0.550	2.4823	
10080 minute summer	8	5040	9.538	0.988	6.9	6.7853	0.0000	FLOOD RISK	1.007	9	6.0	0.265	0.058	5.9220	
10080 minute summer	9	5040	9.538	1.188	10.1	11.5542	0.0000	FLOOD RISK	1.008	10	10.1	0.248	0.043	3.1350	
10080 minute summer	10	5040	9.538	1.238	10.9	2.1952	0.0000	FLOOD RISK	1.009	11	10.9	0.226	0.074	47.6013	
10080 minute summer	11	5100	9.537	1.537	10.9	0.0000	0.0000	FLOOD RISK	1.010	12	10.9	0.173	0.038	53.3278	
10080 minute summer	12	960	7.750	1.000	10.9	0.0000	0.0000	FLOOD RISK	1.011	13	10.9	0.092	0.056	0.2463	
10080 minute summer	13	5100	9.533	0.033	10.9	0.0000	0.0000	OK	1.012	13_OUT	10.9	1.988	0.009	0.0328	
10080 minute summer	13_OUT	10080	7.956	0.424	10.9	0.0000	0.0000	OK	Flow through pond	49	21.2	0.002	0.000	3897.5344	
10080 minute summer	14	5040	9.538	0.238	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.008	-0.005	0.8136	
10080 minute summer	15	5100	9.538	0.450	1.7	3.5704	0.0000	FLOOD RISK	2.001	16	1.7	0.248	0.035	0.8254	
10080 minute summer	16	5100	9.536	0.545	1.7	0.0000	0.0000	FLOOD RISK	2.002	17	1.7	0.256	0.034	0.6329	
10080 minute summer	17	5100	9.536	0.577	2.6	2.1513	0.0000	FLOOD RISK	2.003	18	2.6	0.271	0.033	1.8750	
10080 minute summer	18	5040	9.538	0.855	4.7	5.3794	0.0000	FLOOD RISK	2.004	19	4.7	0.285	0.037	5.4890	
10080 minute summer	19	5040	9.538	1.080	8.2	9.7388	0.0000	FLOOD RISK	2.005	20	8.2	0.258	0.042	4.0628	
10080 minute summer	20	5100	9.536	1.125	8.2	0.0000	0.0000	FLOOD RISK	2.006	21	8.2	0.359	0.041	3.4979	
10080 minute summer	21	5100	9.535	1.164	8.2	0.0000	0.0000	FLOOD RISK	2.007	22	8.2	0.377	0.014	3.7404	
10080 minute summer	22	5100	9.538	1.530	10.5	5.6711	0.0000	FLOOD RISK	2.008	23	10.5	0.108	0.036	53.3017	
10080 minute summer	23	960	7.750	1.000	10.5	0.0000	0.0000	FLOOD RISK	2.009	24	10.5	0.089	0.053	0.2483	
10080 minute summer	24	5100	9.533	0.033	10.5	0.0000	0.0000	OK	2.010	24_OUT	10.5	1.986	0.008	0.0320	
10080 minute summer	24_OUT	10080	7.956	0.424	11.1	0.0000	0.0000	OK	Flow through pond	49	21.2	0.002	0.000	3897.5344	
10080 minute summer	25	4890	8.907	0.011	0.2	0.0072	0.0000	OK	3.005	26	0.2	0.282	0.011	0.0253	
10080 minute summer	26	4890	8.449	0.014	0.4	0.0183	0.0000	OK	3.001	27	0.3	0.351	0.016	0.0327	
								Infiltration			0.1				
10080 minute summer	27	4860	8.129	0.014	0.5	0.0200	0.0000	OK	3.002	28	0.3	0.417	0.017	0.0273	
								Infiltration			0.1				
10080 minute summer	28	4860	7.710	0.015	0.5	0.0171	0.0000	OK	3.003	29	0.5	0.503	0.018	0.0326	
								Infiltration			0.1				
10080 minute summer	29	4890	7.680	0.015	0.7	0.0162	0.0000	OK	3.004	30	0.5	0.528	0.021	0.0654	
								Infiltration			0.1				
10080 minute summer	30	4860	6.835	0.010	0.6	0.0912	0.0000	OK	3.005	31	0.6	0.113	0.000	0.1012	
10080 minute summer	31	4860	6.708	0.011	0.6	0.0913	0.0000	OK	3.006	32	0.6	0.052	0.000	0.1504	
								Infiltration			0.1				
10080 minute summer	32	4890	6.875	0.030	0.5	0.0037	0.0000	OK	3.007	33	0.0	0.090	0.000	0.1128	

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10080 minute summer	57	4380	8.327	0.017	0.3	0.0138	0.0000OK	Infiltration	5.002	58	5.2	0.177	0.027	0.0378
10080 minute summer	58	4500	8.285	0.020	0.3	0.0328	0.0000OK	Infiltration	5.003	59	0.2	0.299	0.028	0.0224
10080 minute summer	59	4380	8.217	0.012	0.3	0.0157	0.0000OK	Infiltration	5.004	60	0.2	0.041	0.000	0.3361
10080 minute summer	60	5020	8.210	0.025	0.3	0.0087	0.0000OK	Infiltration	5.005	61	0.3	0.026	0.000	1.2742
10080 minute summer	61	5820	8.210	0.074	0.4	0.0253	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
10080 minute summer	62	4440	8.140	0.004	0.1	0.0013	0.0000OK	Infiltration	5.007	63	0.1	0.040	0.000	1.1187
10080 minute summer	63	5820	7.894	0.058	0.2	0.0197	0.0000OK	Infiltration	5.008	63_OUT	0.1	0.014	0.000	1.4017
10080 minute summer	63_OUT	5020	7.894	0.129	0.2	0.0438	0.0000OK	Infiltration	5.009		0.1			
10080 minute summer	64	60	5.185	0.000	0.0	0.0000	0.0000OK	Infiltration	5.010	65	0.0	0.000	0.000	0.0002
10080 minute summer	65	60	5.125	0.000	0.0	0.0000	0.0000OK	Infiltration	5.011	66	0.0	0.000	0.000	0.0002
10080 minute summer	66	60	5.093	0.000	0.0	0.0000	0.0000OK	Infiltration	5.012	67	0.0	0.000	0.000	0.0001
10080 minute summer	67	60	5.078	0.000	0.0	0.0000	0.0000OK	Infiltration	5.013	68	0.0	0.000	0.000	0.0000
10080 minute summer	68	60	5.075	0.000	0.0	0.0000	0.0000OK	Infiltration	5.014	69	0.0	0.000	0.000	0.0004
10080 minute summer	69	60	5.765	0.000	0.0	0.0000	0.0000OK	Infiltration	5.015	70	0.0	0.000	0.000	0.0000
10080 minute summer	70	60	5.755	0.000	0.0	0.0000	0.0000OK	Infiltration	5.016	71	0.0	0.000	0.000	0.0001
10080 minute summer	71	60	5.885	0.000	0.0	0.0000	0.0000OK	Infiltration	5.017	72	0.0	0.000	0.000	0.0004
10080 minute summer	72	60	5.885	0.000	0.0	0.0000	0.0000OK	Infiltration	5.018	73	0.0	0.000	0.000	0.0000
10080 minute summer	73	60	5.705	0.000	0.0	0.0000	0.0000OK	Infiltration	5.019	74	0.0	0.000	0.000	0.0001
10080 minute summer	74	60	5.705	0.000	0.0	0.0000	0.0000OK	Infiltration	5.020	75	0.0	0.000	0.000	0.0001
10080 minute summer	75	60	5.705	0.000	0.0	0.0000	0.0000OK	Infiltration	5.021	76	0.0	0.000	0.000	0.0001
10080 minute summer	76	60	5.835	0.000	0.0	0.0000	0.0000OK	Infiltration	5.022	75_OUT	0.0	0.000	0.000	0.0001
10080 minute summer	76_OUT	60	5.835	0.000	0.0	0.0000	0.0000OK	Infiltration	5.023		0.0			

Results for 30 year 10080 minute winter, 10320 minute analysis at 60 minute timestep, Mass balance: 98.22%

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	5160	9.532	0.232	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.015	-0.004	0.4853	
10080 minute winter	2	5100	9.532	0.282	0.3	0.0000	0.0000	FLOOD RISK	1.001	3	-0.3	-0.015	-0.014	1.1294	
10080 minute winter	3	5040	9.532	0.362	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.025	-0.022	0.4986	
10080 minute winter	4	5040	9.532	0.432	0.5	0.0000	0.0000	FLOOD RISK	1.003	5	-0.5	-0.018	-0.023	0.8441	
10080 minute winter	5	5160	9.531	0.531	0.5	0.0000	0.0000	FLOOD RISK	1.004	6	-0.5	-0.018	-0.015	0.1621	
10080 minute winter	6	5160	9.532	0.832	1.6	5.2064	0.0000	FLOOD RISK	1.005	7	1.6	0.291	0.033	0.7796	
10080 minute winter	7	5160	9.531	0.781	2.5	3.1852	0.0000	FLOOD RISK	1.006	8	2.5	0.288	0.036	2.4923	
10080 minute winter	8	5040	9.531	0.981	4.3	6.7358	0.0000	FLOOD RISK	1.007	9	4.3	0.281	0.046	5.9236	
10080 minute winter	9	5160	9.531	1.181	7.3	11.4857	0.0000	FLOOD RISK	1.008	10	7.3	0.271	0.031	3.1389	
10080 minute winter	10	5160	9.531	1.231	7.9	2.1628	0.0000	FLOOD RISK	1.009	11	7.9	0.255	0.053	47.8613	
10080 minute winter	11	5160	9.530	1.530	7.9	0.0000	0.0000	FLOOD RISK	1.010	12	7.9	0.121	0.027	53.3278	
10080 minute winter	12	990	7.750	1.000	7.9	0.0000	0.0000	FLOOD RISK	1.011	13	7.9	0.067	0.040	0.2469	
10080 minute winter	13	5040	9.529	0.929	7.9	0.0000	0.0000	OK	1.012	13_OUT	7.9	1.798	0.006	0.0293	
10080 minute winter	13_OUT	9900	8.010	0.480	14.0	0.0000	0.0000	OK	Flow through pond	49	25.5	0.502	0.000	4410.9854	
10080 minute winter	14	5040	9.530	0.230	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.004	-0.004	0.8136	
10080 minute winter	15	5100	9.530	0.444	1.2	3.5191	0.0000	FLOOD RISK	2.001	16	1.2	0.248	0.025	0.9254	
10080 minute winter	16	5100	9.530	0.539	1.2	0.0000	0.0000	FLOOD RISK	2.002	17	1.2	0.256	0.024	0.8326	
10080 minute winter	17	5040	9.530	0.671	1.8	2.0816	0.0000	FLOOD RISK	2.003	18	1.8	0.271	0.020	1.8750	
10080 minute winter	18	5040	9.530	0.849	3.3	5.3397	0.0000	FLOOD RISK	2.004	19	3.3	0.285	0.026	5.4896	
10080 minute winter	19	5100	9.530	1.074	5.9	9.6528	0.0000	FLOOD RISK	2.005	20	5.9	0.272	0.030	4.0028	
10080 minute winter	20	5100	9.530	1.119	5.9	0.0000	0.0000	FLOOD RISK	2.006	21	5.9	0.303	0.030	3.4979	
10080 minute winter	21	5040	9.530	1.158	5.9	0.0000	0.0000	FLOOD RISK	2.007	22	5.9	0.399	0.010	3.7404	
10080 minute winter	22	5040	9.530	1.530	7.6	6.0446	0.0000	FLOOD RISK	2.008	23	7.6	0.136	0.026	53.3017	
10080 minute winter	23	990	7.750	1.000	7.6	0.0000	0.0000	FLOOD RISK	2.009	24	7.6	0.085	0.039	0.2476	
10080 minute winter	24	5100	9.528	0.928	7.6	0.0000	0.0000	OK	2.010	24_OUT	7.6	1.778	0.006	0.0258	
10080 minute winter	24_OUT	9900	8.000	0.490	14.0	0.0000	0.0000	OK	Flow through pond	49	25.5	0.502	0.000	4410.9854	
10080 minute winter	25	3180	8.804	0.000	0.1	0.0000	0.0000	OK	3.000	25	0.1	0.240	0.006	0.0148	
10080 minute winter	26	3180	8.445	0.010	0.2	0.0165	0.0000	OK	3.001	27	0.1	0.276	0.008	0.0177	
								Infiltration			0.1				
10080 minute winter	27	3180	8.124	0.009	0.2	0.0103	0.0000	OK	3.002	28	0.1	0.311	0.007	0.0141	
								Infiltration			0.1				
10080 minute winter	28	3180	7.704	0.008	0.2	0.0092	0.0000	OK	3.003	29	0.2	0.374	0.007	0.0188	
								Infiltration			0.1				
10080 minute winter	29	3180	7.075	0.010	0.3	0.0090	0.0000	OK	3.004	30	0.2	0.473	0.008	0.0033	
								Infiltration			0.0				
10080 minute winter	30	3180	6.830	0.005	0.2	0.0007	0.0000	OK	3.005	31	0.2	0.583	0.009	0.0581	
10080 minute winter	31	3180	6.701	0.008	0.2	0.0007	0.0000	OK	3.006	32	0.2	0.660	0.009	0.0608	
								Infiltration			0.0				

10080 minute winter	32	3300	8.658	0.011	0.2	0.0014	0.0000OK	3.007	33	0.0	0.000	0.000	0.0402
								Infiltration		0.1			
								Infiltration		0.1			
10080 minute winter	33	60	9.775	0.000	0.0	0.0000	0.0000OK	3.508	34	0.0	0.000	0.000	0.0002
10080 minute winter	34	60	8.745	0.000	0.0	0.0000	0.0000OK	3.009	35	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	35	60	8.675	0.000	0.0	0.0000	0.0000OK	3.010	36	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	36	60	9.505	0.000	0.0	0.0000	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
10080 minute winter	37	60	8.505	0.000	0.0	0.0000	0.0000OK	3.012	38	0.0	0.000	0.000	0.0003
10080 minute winter	38	60	8.255	0.000	0.0	0.0000	0.0000OK	3.013	39	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
								Infiltration		0.0			
10080 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000OK	3.014	40	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	40	60	8.695	0.000	0.0	0.0000	0.0000OK	3.015	41	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	41	60	6.885	0.000	0.0	0.0000	0.0000OK	3.016	42	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000OK	3.017	43	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	43	60	7.145	0.000	0.0	0.0000	0.0000OK	3.018	44	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000OK	3.019	45	0.0	0.000	0.000	0.0002
10080 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000OK	3.020	46	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	46	60	7.125	0.000	0.0	0.0000	0.0000OK	3.021	47	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	47	60	6.985	0.000	0.0	0.0000	0.0000OK	3.022	48	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	48	60	6.795	0.000	0.0	0.0000	0.0000OK	3.023	49	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
10080 minute winter	49	10140	8.005	0.005	27.8	0.0829	0.0000OK	Office	50	0.0			
								Infiltration		0.0			
10080 minute winter	50	10320	7.404	0.004	0.0	0.0000	0.0000OK	4.501	51	0.0	0.218	0.001	0.0007
10080 minute winter	51	10140	7.303	0.003	0.0	0.0000	0.0000OK	4.502	52	0.0	0.227	0.001	0.0004
10080 minute winter	52	10140	7.204	0.004	0.0	0.0000	0.0000OK	4.503	53	0.0	0.282	0.001	0.0002
10080 minute winter	53	10140	6.750	0.001	0.0	0.0001	0.0000OK	3.024	54	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
10080 minute winter	54	10140	6.826	0.001	0.0	0.0001	0.0000OK	3.025	54_OUT	0.0	0.508	0.000	0.0078
								Infiltration		0.0			
10080 minute winter	54_OUT	10320	6.521	0.018	0.0	0.0020	0.0000OK	Infiltration		0.0			

10080 minute winter	55	4083	8.459	0.013	0.1	0.0043	0.0000OK	5.000	56	0.1	0.150	0.014	0.0111
10080 minute winter	56	4083	8.428	0.012	0.2	0.0149	0.0000OK	5.001	57	0.2	0.182	0.012	0.0180
								Infiltration		0.0			
10080 minute winter	57	4083	8.327	0.017	0.3	0.0138	0.0000OK	5.002	58	0.2	0.177	0.027	0.0378
								Infiltration		0.0			
10080 minute winter	58	4200	8.285	0.020	0.3	0.0326	0.0000OK	5.003	59	0.2	0.208	0.028	0.0224
								Infiltration		0.1			
10080 minute winter	59	4083	8.217	0.012	0.3	0.0157	0.0000OK	5.004	60	0.2	0.041	0.000	0.3361
								Infiltration		0.1			
10080 minute winter	60	5760	8.210	0.025	0.3	0.0087	0.0000OK	5.005	61	0.3	0.028	0.000	1.2742
								Infiltration		0.1			
10080 minute winter	61	5820	8.210	0.074	0.4	0.0253	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
10080 minute winter	62	4143	8.140	0.004	0.1	0.0013	0.0000OK	5.007	63	0.1	0.043	0.000	1.1175
10080 minute winter	63	6120	7.894	0.058	0.2	0.0187	0.0000OK	5.008	63_OUT	0.1	0.014	0.000	1.4024
								Infiltration		0.1			
10080 minute winter	63_OUT	8120	7.894	0.123	0.2	0.0436	0.0000OK	Infiltration		0.2			
10080 minute winter	64	60	8.155	0.000	0.0	0.0000	0.0000OK	6.000	65	0.0	0.000	0.000	0.0002
10080 minute winter	65	60	8.125	0.000	0.0	0.0000	0.0000OK	6.001	66	0.0	0.000	0.000	0.0002
								Infiltration		0.0			
10080 minute winter	66	60	6.093	0.000	0.0	0.0000	0.0000OK	6.002	67	0.0	0.000	0.000	0.0001
								Infiltration		0.0			
10080 minute winter	67	60	6.076	0.000	0.0	0.0000	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
10080 minute winter	68	60	6.076	0.000	0.0	0.0000	0.0000OK	6.004	69	0.0	0.000	0.000	0.0004
10080 minute winter	69	60	5.785	0.000	0.0	0.0000	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
10080 minute winter	70	60	5.755	0.000	0.0	0.0000	0.0000OK	6.006	71	0.0	0.000	0.000	0.0001
10080 minute winter	71	60	5.685	0.000	0.0	0.0000	0.0000OK	6.007	72	0.0	0.000	0.000	0.0004
								Infiltration		0.0			
10080 minute winter	72	60	5.685	0.000	0.0	0.0000	0.0000OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.0			
10080 minute winter	73	60	5.705	0.000	0.0	0.0000	0.0000OK	6.009	74	0.0	0.000	0.000	0.0001
10080 minute winter	74	60	5.705	0.000	0.0	0.0000	0.0000OK	6.010	75	0.0	0.000	0.000	0.0001
								Infiltration		0.0			
10080 minute winter	75	60	5.735	0.000	0.0	0.0000	0.0000OK	6.011	76	0.0	0.000	0.000	0.0001
								Infiltration		0.0			
10080 minute winter	76	60	5.635	0.000	0.0	0.0000	0.0000OK	6.012	76_OUT	0.0	0.000	0.000	0.0001
								Infiltration		0.0			
10080 minute winter	76_OUT	60	5.635	0.000	0.0	0.0000	0.0000OK	Infiltration		0.0			

Results for 100 year +30% 15 minute summer, 255 minute analysis at 1 minute timestep, Mass balance: 85.18%

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	14.3	0.0000	0.0000	FLOOD RISK	1.000	2	-14.3	-0.458	-0.554	0.4853	
15 minute summer	2	10	9.800	0.550	32.7	0.0000	0.0000	FLOOD RISK	1.001	3	-32.7	-1.098	-1.643	1.1264	
15 minute summer	3	10	9.800	0.650	42.9	0.0000	0.0000	FLOOD RISK	1.002	4	-42.9	-1.371	-2.028	0.4868	
15 minute summer	4	9	9.800	0.700	57.4	0.0000	0.0000	FLOOD RISK	1.003	5	-57.4	-1.835	-2.495	0.8441	
15 minute summer	5	9	9.800	0.800	71.5	0.0000	0.0000	FLOOD RISK	1.004	6	-71.5	-2.288	-1.913	0.1821	
15 minute summer	6	9	9.800	0.900	211.7	40.2401	0.0000	FLOOD RISK	1.005	7	92.6	1.898	1.915	0.7798	
15 minute summer	7	9	9.800	1.050	148.7	20.2740	0.0000	FLOOD RISK	1.006	8	124.1	1.594	1.768	2.4823	
15 minute summer	8	9	9.800	1.250	334.4	34.5519	0.0000	FLOOD RISK	1.007	9	243.5	1.948	2.281	5.9230	
15 minute summer	9	9	9.800	1.450	645.7	48.7930	0.0000	FLOOD RISK	1.008	10	528.8	2.703	2.230	3.1380	
15 minute summer	10	10	9.800	1.500	604.5	8.6333	0.0000	FLOOD RISK	1.009	11	368.3	2.664	2.035	47.8813	
15 minute summer	11	11	9.800	1.800	368.3	0.0000	0.0000	FLOOD RISK	1.010	12	359.8	1.793	1.218	53.3278	
15 minute summer	12	11	7.750	1.000	359.8	0.0000	0.0000	FLOOD RISK	1.011	13	587.4	3.842	2.890	0.3744	
15 minute summer	13	14	9.770	0.270	587.4	0.0000	0.0000	OK	1.012	13_OUT	424.1	7.462	0.343	0.5310	
15 minute summer	13_OUT	13	8.331	0.797	424.1	0.0000	0.0000	OK	Flow through pond	49	604.8	0.103	0.000	852.2737	
15 minute summer	14	9	9.800	0.500	23.9	0.0000	0.0000	FLOOD RISK	2.000	15	-23.9	-0.782	-0.791	0.8136	
15 minute summer	15	9	9.800	0.714	216.5	42.3231	0.0000	FLOOD RISK	2.001	16	89.0	1.832	1.848	0.9254	
15 minute summer	16	9	9.800	0.899	89.0	0.0000	0.0000	FLOOD RISK	2.002	17	98.3	2.610	1.995	0.6320	
15 minute summer	17	9	9.800	0.941	158.4	16.5832	0.0000	FLOOD RISK	2.003	18	132.5	1.702	1.685	1.8750	
15 minute summer	18	9	9.800	1.119	241.2	33.9733	0.0000	FLOOD RISK	2.004	19	213.8	1.708	1.699	5.4590	
15 minute summer	19	9	9.800	1.344	459.0	48.1618	0.0000	FLOOD RISK	2.005	20	350.0	1.881	1.886	4.0828	
15 minute summer	20	9	9.800	1.359	350.0	0.0000	0.0000	FLOOD RISK	2.006	21	374.4	2.188	1.892	3.4978	
15 minute summer	21	9	9.800	1.428	374.4	0.0000	0.0000	FLOOD RISK	2.007	22	389.7	2.135	0.638	3.7404	
15 minute summer	22	9	9.800	1.800	503.2	23.2534	0.0000	FLOOD RISK	2.008	23	489.0	2.500	1.688	53.3617	
15 minute summer	23	8	7.750	1.000	489.0	0.0000	0.0000	FLOOD RISK	2.009	24	489.2	3.047	2.491	0.3407	
15 minute summer	24	13	8.714	0.214	489.2	0.0000	0.0000	OK	2.010	24_OUT	489.1	7.027	0.395	0.4798	
15 minute summer	24_OUT	13	8.852	1.128	489.1	0.0000	0.0000	OK	Flow through pond	49	604.8	0.103	0.000	852.2737	
15 minute summer	25	11	9.056	0.260	18.3	0.1888	0.0000	UNCHARGED	3.000	26	18.0	0.971	0.927	0.6227	
15 minute summer	26	13	8.742	0.397	34.0	4.5373	0.0000	UNCHARGED	3.001	27	18.0	0.987	1.007	0.7628	
								Infiltration			3.1				
15 minute summer	27	14	8.377	0.282	33.9	4.1557	0.0000	UNCHARGED	3.002	28	19.1	1.183	0.948	0.5744	
								Infiltration			3.3				
15 minute summer	28	14	7.999	0.364	36.2	3.5700	0.0000	UNCHARGED	3.003	29	23.5	1.347	0.994	0.6315	
								Infiltration			2.5				
15 minute summer	29	12	7.358	0.293	39.8	2.4856	0.0000	UNCHARGED	3.004	30	32.1	1.823	1.154	0.1195	
								Infiltration			2.0				
15 minute summer	30	25	7.690	0.260	34.8	0.6318	0.0000	OK	3.005	31	33.1	0.389	0.014	5.4522	
15 minute summer	31	25	7.691	0.398	36.4	0.6475	0.0000	OK	3.006	32	31.3	0.248	0.018	5.4127	
								Infiltration			2.2				

15 minute summer	32	25	7.092	0.447	34.0	0.0538	0.0000OK	3.007	33	27.6	0.194	0.019	4.7505
								Infiltration		1.7			
								Infiltration		1.8			
15 minute summer	33	25	7.090	0.318	31.1	0.0381	0.0000OK	3.008	34	26.9	0.385	0.018	3.8861
15 minute summer	34	25	7.090	0.348	30.2	0.0417	0.0000OK	3.009	35	21.9	0.382	0.009	3.3492
								Infiltration		1.5			
15 minute summer	35	25	7.094	0.419	25.3	0.0500	0.0000OK	3.010	36	9.3	0.085	0.000	8.5588
								Infiltration		1.2			
15 minute summer	36	25	7.090	0.558	12.7	0.0670	0.0000OK	3.011	37	0.0	0.009	0.000	0.0000
								Infiltration		1.9			
15 minute summer	37	17	6.629	0.124	6.4	0.0149	0.0000OK	3.012	38	-4.5	0.002	-0.001	4.3002
15 minute summer	38	18	6.631	0.386	22.6	0.0439	0.0000OK	3.013	39	-18.6	-0.187	-0.011	3.0561
								Infiltration		1.4			
								Infiltration		2.0			
15 minute summer	39	17	6.632	0.177	16.0	0.0212	0.0000OK	3.014	40	-14.7	-0.475	-0.010	0.8972
								Infiltration		0.8			
15 minute summer	40	11	6.743	0.050	14.9	0.0060	0.0000OK	3.015	41	-11.6	-0.437	-0.008	0.3482
								Infiltration		0.0			
15 minute summer	41	11	6.912	0.047	11.8	0.0057	0.0000OK	3.016	42	-8.5	-0.375	-0.006	0.2913
								Infiltration		0.0			
15 minute summer	42	11	7.121	0.036	6.8	0.0043	0.0000OK	3.017	43	-5.3	-0.248	-0.004	0.2793
								Infiltration		0.1			
15 minute summer	43	11	7.187	0.042	5.4	0.0051	0.0000OK	3.018	44	-2.0	-0.120	-0.001	0.2169
								Infiltration		0.1			
15 minute summer	44	11	7.240	0.021	3.4	0.0025	0.0000OK	3.019	45	1.3	0.089	0.001	0.1774
15 minute summer	45	11	7.230	0.030	4.7	0.0042	0.0000OK	3.020	46	4.5	0.229	0.002	0.2571
								Infiltration		0.1			
15 minute summer	46	11	7.183	0.038	7.8	0.0046	0.0000OK	3.021	47	7.7	0.335	0.002	0.3225
								Infiltration		0.1			
15 minute summer	47	11	7.011	0.046	11.0	0.0056	0.0000OK	3.022	48	10.8	0.283	0.003	0.5712
								Infiltration		0.0			
15 minute summer	48	20	6.932	0.137	14.2	0.0185	0.0000OK	3.023	53	13.8	0.290	0.017	1.2593
								Infiltration		0.1			
15 minute summer	49	41	7.618	-0.382	804.1	0.0060	0.0000OK	Orifice	50	0.0			
								Infiltration		0.0			
15 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
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	6.903	0.148	16.8	0.0178	0.0000OK	3.024	54	18.1	0.300	0.005	2.4558
								Infiltration		0.2			
15 minute summer	54	22	6.930	0.398	19.4	0.0389	0.0000OK	3.025	54_OUT	9.2	0.107	0.003	4.8218
								Infiltration		0.3			
15 minute summer	54_OUT	20	6.934	0.429	12.0	0.0515	0.0000OK	Infiltration		0.4			

15 minute summer	55	13	8.834	0.388	9.7	0.1318	0.0000 SURCHARGED	5.000	56	8.1	0.495	1.093	0.2948
15 minute summer	56	13	8.822	0.408	17.8	2.0132	0.0000 SURCHARGED	5.001	57	10.6	0.843	0.847	0.3708
										0.3			
15 minute summer	57	13	8.748	0.438	19.7	2.4752	0.0000 SURCHARGED	5.002	58	12.9	0.732	1.897	0.5462
										0.4			
15 minute summer	58	15	8.578	0.334	21.3	2.7542	0.0000 SURCHARGED	5.003	59	14.4	0.817	1.938	0.3908
										0.5			
15 minute summer	59	25	8.483	0.278	23.8	1.8838	0.0000 OK	5.004	60	16.0	0.208	0.023	7.8854
										0.4			
15 minute summer	60	25	8.483	0.288	25.7	0.1014	0.0000 OK	5.005	61	5.0	0.685	0.005	12.0958
										0.5			
15 minute summer	61	25	8.483	0.347	14.3	0.1181	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000
										0.7			
15 minute summer	62	11	8.190	0.054	8.7	0.0184	0.0000 OK	5.007	63	8.7	0.173	0.004	8.4978
15 minute summer	63	20	8.086	0.250	20.8	0.0850	0.0000 OK	5.008	63_OUT	-4.5	-0.688	-0.003	5.5591
										0.8			
15 minute summer	63_OUT	23	8.088	0.321	9.7	0.1091	0.0000 OK			0.4			
15 minute summer	64	19	8.405	0.220	4.8	0.0350	0.0000 OK	8.000	65	3.1	0.114	0.001	1.9890
15 minute summer	65	20	8.405	0.280	7.3	0.0449	0.0000 OK	8.001	66	-2.2	0.084	-0.001	2.8377
										0.1			
15 minute summer	66	18	8.405	0.312	7.1	0.0493	0.0000 OK	8.002	67	-2.5	0.632	-0.002	1.6718
										0.2			
15 minute summer	67	18	8.405	0.329	4.8	0.0510	0.0000 OK	8.003	68	0.0	0.000	0.000	0.0000
										0.1			
15 minute summer	68	11	8.104	0.028	4.8	0.0043	0.0000 OK	8.004	69	4.5	0.091	0.001	3.7974
15 minute summer	69	19	8.086	0.321	8.0	0.0514	0.0000 OK	8.005	70	0.0	0.600	0.000	0.0000
										0.3			
15 minute summer	70	20	5.805	0.150	4.8	0.0240	0.0000 OK	8.006	71	3.3	0.121	0.001	1.1735
15 minute summer	71	19	5.805	0.220	7.7	0.0352	0.0000 OK	8.007	72	1.3	0.030	0.001	3.8823
										0.1			
15 minute summer	72	18	5.904	0.219	5.7	0.0351	0.0000 OK	8.008	73	0.0	0.600	0.000	0.0000
										0.3			
15 minute summer	73	18	6.038	0.333	4.8	0.0532	0.0000 OK	8.009	74	1.9	0.956	0.001	1.5558
15 minute summer	74	19	6.037	0.332	6.2	0.0532	0.0000 OK	8.010	75	1.9	0.123	0.001	1.8597
										0.1			
15 minute summer	75	19	6.030	0.331	6.9	0.0530	0.0000 OK	8.011	76	2.7	0.094	0.001	2.0832
										0.1			
15 minute summer	76	19	6.037	0.402	8.6	0.0611	0.0000 OK	8.012	76_OUT	-2.1	0.913	-0.001	2.1879
										0.1			
15 minute summer	76_OUT	19	6.037	0.402	4.8	0.0643	0.0000 OK			0.1			

Results for 100 year +30% 15 minute winter. 355 minute analysis at 1 minute timestep. Mass balance: 85.55%

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	10	9.890	0.500	15.1	0.0000	0.0000	FLOOD RISK	1.000	2	-15.1	-0.483	-0.893	0.4853	
15 minute winter	2	10	9.800	0.550	30.8	0.0000	0.0000	FLOOD RISK	1.001	3	-30.8	-0.955	-1.550	1.1264	
15 minute winter	3	8	9.800	0.550	44.4	0.0000	0.0000	FLOOD RISK	1.002	4	-44.4	-1.418	-2.098	0.4989	
15 minute winter	4	8	9.800	0.700	59.8	0.0000	0.0000	FLOOD RISK	1.003	5	-59.8	-1.906	-2.591	0.8441	
15 minute winter	5	8	9.800	0.800	77.6	0.0000	0.0000	FLOOD RISK	1.004	6	-77.6	-2.480	-2.975	0.1621	
15 minute winter	6	8	9.800	0.900	227.2	47.8529	0.0000	FLOOD RISK	1.005	7	195.7	2.101	2.183	0.7796	
15 minute winter	7	8	9.800	1.050	154.9	24.0788	0.0000	FLOOD RISK	1.006	8	140.2	1.800	1.998	2.4923	
15 minute winter	8	8	9.800	1.250	350.7	41.0330	0.0000	FLOOD RISK	1.007	9	251.4	2.098	2.323	5.9230	
15 minute winter	9	8	9.800	1.450	674.2	57.2899	0.0000	FLOOD RISK	1.008	10	541.4	2.788	2.284	3.1360	
15 minute winter	10	8	9.800	1.500	621.2	10.3287	0.0000	FLOOD RISK	1.009	11	425.3	2.207	2.878	47.8613	
15 minute winter	11	11	9.800	1.800	425.3	0.0000	0.0000	FLOOD RISK	1.010	12	359.4	1.991	1.352	50.3276	
15 minute winter	12	11	7.750	1.000	389.4	0.0000	0.0000	FLOOD RISK	1.011	13	575.5	3.823	2.931	0.3748	
15 minute winter	13	12	8.770	0.270	575.5	0.0000	0.0000	OK	1.012	13_OUT	483.4	7.256	0.375	0.5493	
15 minute winter	13_OUT	15	8.444	0.910	483.4	0.0000	0.0000	OK	Flow through pond	49	818.2	0.122	0.000	991.4863	
15 minute winter	14	8	9.800	0.500	28.3	0.0000	0.0000	FLOOD RISK	2.000	15	-28.3	-0.841	-0.873	0.8138	
15 minute winter	15	8	9.800	0.714	222.9	48.2890	0.0000	FLOOD RISK	2.001	16	97.2	1.988	2.008	0.9254	
15 minute winter	16	8	9.800	0.808	97.2	0.0000	0.0000	FLOOD RISK	2.002	17	197.5	2.198	2.181	0.6320	
15 minute winter	17	8	9.800	0.941	145.6	18.6168	0.0000	FLOOD RISK	2.003	18	143.7	1.840	1.638	1.8750	
15 minute winter	18	8	9.800	1.119	221.8	37.9880	0.0000	FLOOD RISK	2.004	19	230.5	1.841	1.631	5.4890	
15 minute winter	19	8	9.800	1.344	454.7	53.8142	0.0000	FLOOD RISK	2.005	20	398.9	2.029	2.913	4.0628	
15 minute winter	20	8	9.800	1.389	388.9	0.0000	0.0000	FLOOD RISK	2.006	21	491.2	2.370	2.028	3.4979	
15 minute winter	21	8	9.800	1.428	491.2	0.0000	0.0000	FLOOD RISK	2.007	22	495.4	2.091	0.883	3.7404	
15 minute winter	22	8	9.800	1.800	535.9	25.6468	0.0000	FLOOD RISK	2.008	23	523.0	2.674	1.518	53.3017	
15 minute winter	23	8	7.750	1.000	523.0	0.0000	0.0000	FLOOD RISK	2.009	24	546.8	3.470	2.785	0.3458	
15 minute winter	24	13	9.723	0.223	546.8	0.0000	0.0000	OK	2.010	24_OUT	522.9	6.274	0.423	0.5039	
15 minute winter	24_OUT	13	8.755	1.252	522.9	0.0000	0.0000	OK	Flow through pond	49	818.2	0.122	0.000	991.4863	
15 minute winter	25	11	9.116	0.320	19.2	0.2050	0.0000	SURCHARGED	3.000	26	17.6	1.000	0.982	0.6227	
15 minute winter	26	14	8.788	0.333	35.7	5.3440	0.0000	SURCHARGED	3.001	27	16.6	0.962	1.047	0.7026	
								Infiltration			3.4				
15 minute winter	27	15	8.399	0.284	34.9	4.8894	0.0000	SURCHARGED	3.002	28	20.3	1.193	1.009	0.5744	
								Infiltration			3.6				
15 minute winter	28	14	8.020	0.328	37.0	4.1602	0.0000	SURCHARGED	3.003	29	23.2	1.329	0.983	0.6315	
								Infiltration			2.8				
15 minute winter	29	13	7.372	0.307	40.8	2.7227	0.0000	SURCHARGED	3.004	30	32.8	1.863	1.180	0.1195	
								Infiltration			2.1				
15 minute winter	30	27	7.116	0.291	35.5	0.0349	0.0000	OK	3.005	31	33.9	0.395	0.914	8.0523	
15 minute winter	31	27	7.117	0.422	37.3	0.0506	0.0000	OK	3.006	32	30.8	0.254	0.918	5.8975	
								Infiltration			2.3				

15 minute winter	32	27	7.117	0.472	34.3	0.0588	0.0000OK	3.007	33	27.1	0.197	0.018	5.2025
								Infiltration		1.8			
								Infiltration		1.9			
15 minute winter	33	27	7.118	0.343	30.5	0.0411	0.0000OK	3.008	34	26.8	0.388	0.018	4.3582
15 minute winter	34	27	7.117	0.372	30.4	0.0447	0.0000OK	3.009	35	26.6	0.371	0.008	3.8677
								Infiltration		1.5			
15 minute winter	35	27	7.120	0.448	24.2	0.0533	0.0000OK	3.010	36	10.9	0.097	0.003	7.5610
								Infiltration		1.3			
15 minute winter	36	26	7.118	0.613	14.3	0.0896	0.0000OK	3.011	37	0.6	0.000	0.000	0.0000
								Infiltration		2.0			
15 minute winter	37	18	6.856	0.151	10.2	0.0181	0.0000OK	3.012	38	-7.4	0.088	-0.002	4.8484
15 minute winter	38	17	6.853	0.388	19.9	0.0465	0.0000OK	3.013	39	-13.6	-0.189	-0.009	3.3844
								Infiltration		1.4			
								Infiltration		2.1			
15 minute winter	39	17	6.852	0.197	18.9	0.0237	0.0000OK	3.014	40	-15.5	-0.483	-0.010	1.0359
								Infiltration		0.7			
15 minute winter	40	11	6.748	0.651	15.0	0.0662	0.0000OK	3.015	41	-12.2	-0.444	-0.008	0.3582
								Infiltration		0.8			
15 minute winter	41	11	6.914	0.049	12.2	0.0058	0.0000OK	3.016	42	-8.8	-0.381	-0.006	0.3002
								Infiltration		0.6			
15 minute winter	42	11	7.122	0.037	8.8	0.0044	0.0000OK	3.017	43	-6.5	-0.253	-0.004	0.2874
								Infiltration		0.1			
15 minute winter	43	11	7.189	0.044	5.7	0.0052	0.0000OK	3.018	44	-2.1	-0.125	-0.001	0.2218
								Infiltration		0.1			
15 minute winter	44	10	7.240	0.021	3.8	0.0025	0.0000OK	3.019	45	1.3	0.090	0.001	0.1823
15 minute winter	45	11	7.231	0.038	4.9	0.0043	0.0000OK	3.020	46	4.7	0.233	0.002	0.2646
								Infiltration		0.1			
15 minute winter	46	11	7.184	0.039	6.2	0.0047	0.0000OK	3.021	47	8.1	0.340	0.003	0.3324
								Infiltration		0.1			
15 minute winter	47	11	7.013	0.048	11.5	0.0057	0.0000OK	3.022	48	11.4	0.287	0.004	0.8022
								Infiltration		0.0			
15 minute winter	48	21	6.954	0.159	14.8	0.0181	0.0000OK	3.023	50	14.3	0.302	0.018	1.5065
								Infiltration		0.2			
15 minute winter	49	34	7.835	-0.395	891.6	0.0560	0.0000OK	Orifice	50	0.0			
								Infiltration		0.8			
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	20	6.955	0.178	17.7	0.0265	0.0000OK	3.024	54	17.1	0.320	0.005	2.7109
								Infiltration		0.2			
15 minute winter	54	18	8.654	0.329	20.5	0.0395	0.0000OK	3.025	54_OUT	11.8	0.103	0.004	5.2388
								Infiltration		0.3			
15 minute winter	54_OUT	21	8.956	0.451	15.0	0.0542	0.0000OK	Infiltration		0.4			

15 minute winter	55	13	8.893	0.447	10.2	0.1521	0.0000SURCHARGED	5.000	56	8.5	0.484	1.148	0.2949
15 minute winter	56	13	8.875	0.459	18.7	2.2965	0.0000SURCHARGED	5.001	57	11.0	0.626	0.878	0.3709
								Infiltration		0.4			
15 minute winter	57	14	8.804	0.484	20.5	2.8428	0.0000SURCHARGED	5.002	58	13.4	0.759	1.868	0.5462
								Infiltration		0.4			
15 minute winter	58	15	8.819	0.374	22.0	3.1480	0.0000SURCHARGED	5.003	59	15.0	0.848	2.018	0.3906
								Infiltration		0.8			
15 minute winter	59	26	8.508	0.303	23.7	1.8708	0.0000OK	5.004	60	16.5	0.214	0.023	8.8298
								Infiltration		0.4			
15 minute winter	60	26	8.598	0.323	28.7	0.1100	0.0000OK	5.005	61	4.4	0.084	0.008	10.4358
								Infiltration		0.5			
15 minute winter	61	28	8.508	0.372	14.0	0.1268	0.0000OK	5.006	62	0.0	0.000	0.003	0.0000
								Infiltration		0.8			
15 minute winter	62	11	8.192	0.058	10.2	0.0190	0.0000OK	5.007	63	9.2	0.180	0.005	7.2288
15 minute winter	63	21	8.110	0.274	21.8	0.0930	0.0000OK	5.008	63_OUT	-0.5	-0.058	-0.002	6.2152
								Infiltration		0.6			
15 minute winter	63_OUT	20	8.110	0.345	10.2	0.1174	0.0000OK	Infiltration		0.4			
15 minute winter	64	20	8.431	0.246	4.8	0.0384	0.0000OK	8.000	65	2.4	0.122	0.001	2.2081
15 minute winter	65	19	8.431	0.308	6.9	0.0489	0.0000OK	8.001	66	-1.9	0.088	-0.001	3.1815
								Infiltration		0.1			
15 minute winter	66	19	8.430	0.337	7.4	0.0533	0.0000OK	8.002	67	-2.5	0.034	-0.002	1.8558
								Infiltration		0.2			
15 minute winter	67	19	8.430	0.354	4.8	0.0649	0.0000OK	8.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
15 minute winter	68	11	8.104	0.028	4.8	0.0044	0.0000OK	8.004	69	4.8	0.092	0.001	4.2098
15 minute winter	69	19	8.104	0.339	9.3	0.0542	0.0000OK	8.005	70	0.0	0.000	0.003	0.0000
								Infiltration		0.3			
15 minute winter	70	18	8.924	0.169	4.8	0.0270	0.0000OK	8.006	71	3.5	0.120	0.001	1.3287
15 minute winter	71	18	8.924	0.239	8.3	0.0382	0.0000OK	8.007	72	1.5	0.030	0.001	4.3411
								Infiltration		0.1			
15 minute winter	72	19	8.924	0.208	8.3	0.0383	0.0000OK	8.008	73	0.0	0.000	0.003	0.0000
								Infiltration		0.3			
15 minute winter	73	13	8.088	0.393	4.8	0.0582	0.0000OK	8.009	74	2.8	0.064	0.002	1.8749
15 minute winter	74	19	8.088	0.393	7.3	0.0580	0.0000OK	8.010	75	2.5	0.139	0.002	2.1174
								Infiltration		0.1			
15 minute winter	75	20	8.057	0.382	8.8	0.0579	0.0000OK	8.011	76	-2.1	0.099	-0.001	2.3162
								Infiltration		0.1			
15 minute winter	76	19	8.088	0.430	5.0	0.0658	0.0000OK	8.012	76_OUT	-2.1	0.015	-0.001	2.4472
								Infiltration		0.1			
15 minute winter	76_OUT	19	8.088	0.433	4.8	0.0892	0.0000OK	Infiltration		0.1			

Results for 100 year +30% 30 minute summer, 270 minute analysis at 1 minute timestep, Mass balance: 84.53%

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	17	9.800	0.530	18.2	0.0000	0.0000	FLOOD RISK	1.000	2	-18.2	-0.517	-0.739	0.4653	
30 minute summer	2	17	9.800	0.550	32.4	0.0000	0.0000	FLOOD RISK	1.001	3	-32.4	-1.038	-1.631	1.1254	
30 minute summer	3	16	9.800	0.650	49.1	0.0000	0.0000	FLOOD RISK	1.002	4	-49.1	-1.558	-2.320	0.4956	
30 minute summer	4	15	9.800	0.790	66.0	0.0000	0.0000	FLOOD RISK	1.003	5	-66.0	-2.107	-2.884	0.5441	
30 minute summer	5	15	9.800	0.890	82.8	0.0000	0.0000	FLOOD RISK	1.004	6	-82.8	-2.638	-2.208	0.1621	
30 minute summer	6	15	9.800	0.990	285.5	50.2582	0.0000	FLOOD RISK	1.005	7	98.0	2.605	2.023	0.7798	
30 minute summer	7	15	9.800	1.050	145.6	25.1534	0.0000	FLOOD RISK	1.006	8	137.1	1.751	1.952	2.4923	
30 minute summer	8	15	9.800	1.250	280.3	42.5555	0.0000	FLOOD RISK	1.007	9	214.5	1.714	1.980	5.9230	
30 minute summer	9	16	9.800	1.450	537.1	59.5299	0.0000	FLOOD RISK	1.008	10	433.3	2.215	1.828	3.1380	
30 minute summer	10	16	9.800	1.590	496.8	10.7331	0.0000	FLOOD RISK	1.009	11	399.1	2.040	2.701	47.5813	
30 minute summer	11	17	9.800	1.890	398.1	0.0000	0.0000	FLOOD RISK	1.010	12	398.8	2.639	1.385	53.3278	
30 minute summer	12	15	7.750	1.000	398.8	0.0000	0.0000	FLOOD RISK	1.011	13	588.9	3.817	2.999	0.3793	
30 minute summer	13	21	9.778	0.278	588.9	0.0000	0.0000	OK	1.012	13_OUT	483.7	7.428	0.391	0.5580	
30 minute summer	13_OUT	20	8.388	0.655	483.7	0.0000	0.0000	OK	Flow through pond	49	588.7	0.084	0.000	1219.3942	
30 minute summer	14	15	9.800	0.500	22.3	0.0000	0.0000	FLOOD RISK	2.000	15	-22.3	-0.713	-0.741	0.5136	
30 minute summer	15	15	9.800	0.714	180.8	46.9790	0.0000	FLOOD RISK	2.001	16	92.7	1.895	1.912	0.9254	
30 minute summer	16	15	9.800	0.899	92.7	0.0000	0.0000	FLOOD RISK	2.002	17	100.1	2.646	2.031	0.8320	
30 minute summer	17	15	9.800	0.941	131.2	18.2316	0.0000	FLOOD RISK	2.003	18	137.5	1.798	1.759	1.8750	
30 minute summer	18	15	9.800	1.119	218.2	37.0771	0.0000	FLOOD RISK	2.004	19	225.3	1.800	1.790	5.4890	
30 minute summer	19	15	9.800	1.344	440.8	52.1147	0.0000	FLOOD RISK	2.005	20	390.5	1.998	1.980	4.0828	
30 minute summer	20	15	9.800	1.359	390.5	0.0000	0.0000	FLOOD RISK	2.006	21	394.8	2.627	1.995	3.4979	
30 minute summer	21	15	9.800	1.428	394.8	0.0000	0.0000	FLOOD RISK	2.007	22	399.9	2.644	0.671	3.7404	
30 minute summer	22	15	9.800	1.800	522.5	24.9257	0.0000	FLOOD RISK	2.008	23	514.1	2.628	1.755	53.3017	
30 minute summer	23	12	7.750	1.000	514.1	0.0000	0.0000	FLOOD RISK	2.009	24	514.2	3.178	2.919	0.3444	
30 minute summer	24	21	9.720	0.220	514.2	0.0000	0.0000	OK	2.010	24_OUT	514.3	6.851	0.416	0.4974	
30 minute summer	24_OUT	21	8.755	1.222	514.3	0.0000	0.0000	OK	Flow through pond	49	586.7	0.084	0.000	1219.3942	
30 minute summer	25	19	8.999	0.293	16.8	0.1301	0.0000	UNCHARGED	3.000	26	16.1	0.945	0.897	0.6227	
30 minute summer	26	21	8.740	0.395	32.9	4.4993	0.0000	UNCHARGED	3.001	27	18.0	0.955	1.010	0.7028	
								Infiltration			3.1				
30 minute summer	27	23	8.364	0.289	32.4	4.3917	0.0000	UNCHARGED	3.002	28	18.7	1.194	0.925	0.5744	
								Infiltration			3.4				
30 minute summer	28	22	8.007	0.312	34.7	3.7607	0.0000	UNCHARGED	3.003	29	23.7	1.360	1.003	0.8315	
								Infiltration			2.5				
30 minute summer	29	20	7.358	0.293	38.5	2.4892	0.0000	UNCHARGED	3.004	30	32.1	1.824	1.155	0.1195	
								Infiltration			2.0				
30 minute summer	30	36	7.151	0.338	34.7	0.5404	0.0000	OK	3.005	31	30.9	0.303	0.013	7.1877	
30 minute summer	31	36	7.152	0.467	33.8	0.5580	0.0000	OK	3.006	32	27.0	0.208	0.015	6.8047	
								Infiltration			2.5				

30 minute summer	32	36	7.162	0.517	29.9	0.0621	0.0000OK	3.007	33	23.6	0.164	0.016	6.9545
								Infiltration		1.9			
								Infiltration		2.0			
30 minute summer	33	36	7.152	0.387	26.7	0.0485	0.0000OK	3.008	34	22.7	0.354	0.016	4.5073
30 minute summer	34	37	7.163	0.416	25.8	0.0601	0.0000OK	3.009	35	17.1	0.333	0.007	4.2578
								Infiltration		1.7			
30 minute summer	35	38	7.182	0.487	19.4	0.0555	0.0000OK	3.010	36	11.2	0.098	0.003	7.9670
								Infiltration		1.3			
30 minute summer	36	37	7.153	0.658	14.1	0.0750	0.0000OK	3.011	37	9.0	0.609	0.000	0.5000
								Infiltration		2.1			
30 minute summer	37	29	6.685	0.180	7.0	0.0192	0.0000OK	3.012	38	-4.7	0.678	-0.002	5.1090
30 minute summer	38	28	6.688	0.401	16.5	0.0461	0.0000OK	3.013	39	-12.9	-0.127	-0.008	3.5993
								Infiltration		1.5			
								Infiltration		2.2			
30 minute summer	39	27	6.657	0.212	16.8	0.0254	0.0000OK	3.014	40	-13.9	-0.424	-0.009	1.1189
								Infiltration		0.8			
30 minute summer	40	19	6.743	0.048	14.1	0.0058	0.0000OK	3.015	41	-10.9	-0.427	-0.007	0.3344
								Infiltration		0.0			
30 minute summer	41	19	6.910	0.045	11.1	0.0054	0.0000OK	3.016	42	-7.9	-0.387	-0.005	0.2790
								Infiltration		0.0			
30 minute summer	42	18	7.120	0.035	6.1	0.0041	0.0000OK	3.017	43	-4.9	-0.243	-0.003	0.2684
								Infiltration		0.1			
30 minute summer	43	18	7.188	0.041	5.1	0.0049	0.0000OK	3.018	44	-1.9	-0.120	-0.001	0.2063
								Infiltration		0.1			
30 minute summer	44	18	7.245	0.020	3.2	0.0024	0.0000OK	3.019	45	1.2	0.087	0.001	0.1713
30 minute summer	45	18	7.228	0.034	4.4	0.0040	0.0000OK	3.020	46	4.2	0.225	0.002	0.2472
								Infiltration		0.1			
30 minute summer	46	18	7.182	0.037	7.4	0.0044	0.0000OK	3.021	47	7.2	0.328	0.002	0.3089
								Infiltration		0.1			
30 minute summer	47	19	7.010	0.045	10.4	0.0054	0.0000OK	3.022	48	10.2	0.257	0.003	1.0030
								Infiltration		0.0			
30 minute summer	48	33	6.985	0.190	13.3	0.0228	0.0000OK	3.023	53	12.7	0.270	0.016	1.6578
								Infiltration		0.2			
30 minute summer	49	49	7.658	-0.342	744.1	0.0090	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	34	6.985	0.200	15.8	0.0240	0.0000OK	3.024	54	12.5	0.228	0.004	3.1524
								Infiltration		0.2			
30 minute summer	54	33	6.985	0.350	15.7	0.0432	0.0000OK	3.025	54_OUT	9.1	0.084	0.002	5.5291
								Infiltration		0.3			
30 minute summer	54_OUT	35	6.985	0.480	9.3	0.0576	0.0000OK	Infiltration		0.4			

30 minute summer	55	21	8.849	0.493	8.9	0.1372	0.0000 SURCHARGED	5.000	56	7.7	0.497	1.037	0.2949
30 minute summer	56	21	8.837	0.421	18.6	2.0932	0.0000 SURCHARGED	5.001	57	10.1	0.598	0.807	0.3709
										Infiltration	0.3		
30 minute summer	57	22	8.776	0.465	18.8	2.6534	0.0000 SURCHARGED	5.002	58	12.4	0.703	1.544	0.5482
										Infiltration	0.4		
30 minute summer	58	23	8.620	0.375	20.0	3.1580	0.0000 SURCHARGED	5.003	59	13.9	0.791	1.877	0.5908
										Infiltration	0.5		
30 minute summer	59	30	8.549	0.344	21.4	2.1559	0.0000 OK	5.004	60	11.9	0.151	0.017	10.4960
										Infiltration	0.4		
30 minute summer	60	30	8.550	0.355	20.7	0.1240	0.0000 OK	5.005	61	3.7	0.681	0.004	15.7547
										Infiltration	0.6		
30 minute summer	61	35	8.550	0.414	11.6	0.1407	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000
										Infiltration	0.8		
30 minute summer	62	19	8.168	0.052	8.9	0.0178	0.0000 OK	5.007	63	8.2	0.122	0.004	8.4421
30 minute summer	63	34	8.147	0.311	19.3	0.1058	0.0000 OK	5.008	63_OUT	2.4	0.647	-0.002	7.2574
										Infiltration	0.7		
30 minute summer	63_OUT	34	8.148	0.381	8.9	0.1297	0.0000 OK						
										Infiltration	0.4		
30 minute summer	64	33	8.489	0.284	4.2	0.0454	0.0000 OK	8.000	65	2.0	0.085	0.001	2.8982
30 minute summer	65	34	8.468	0.343	6.5	0.0549	0.0000 OK	8.001	66	-1.5	0.072	-0.001	3.7220
										Infiltration	0.2		
30 minute summer	66	34	8.469	0.376	6.2	0.0593	0.0000 OK	8.002	67	-2.0	0.034	-0.001	2.1559
										Infiltration	0.2		
30 minute summer	67	34	8.409	0.393	4.2	0.0909	0.0000 OK	8.003	68	0.0	0.000	0.000	0.0000
										Infiltration	0.1		
30 minute summer	68	32	8.129	0.053	4.2	0.0082	0.0000 OK	8.004	69	4.1	0.079	0.001	4.5338
30 minute summer	69	34	8.129	0.354	8.3	0.0582	0.0000 OK	8.005	70	0.0	0.600	0.000	0.0000
										Infiltration	0.3		
30 minute summer	70	33	5.951	0.196	4.2	0.0314	0.0000 OK	8.006	71	2.6	0.103	0.001	1.5684
30 minute summer	71	33	5.952	0.287	6.7	0.0426	0.0000 OK	8.007	72	1.0	0.023	0.001	5.0292
										Infiltration	0.1		
30 minute summer	72	34	5.951	0.256	4.7	0.0429	0.0000 OK	8.008	73	0.0	0.600	0.000	0.0000
										Infiltration	0.3		
30 minute summer	73	34	6.118	0.411	4.2	0.0857	0.0000 OK	8.009	74	1.9	0.041	0.001	2.2378
30 minute summer	74	34	6.118	0.411	6.1	0.0857	0.0000 OK	8.010	75	1.1	0.098	0.001	2.5341
										Infiltration	0.1		
30 minute summer	75	34	6.118	0.411	5.5	0.0857	0.0000 OK	8.011	76	1.7	0.072	0.001	2.7384
										Infiltration	0.1		
30 minute summer	76	34	6.118	0.481	5.6	0.0731	0.0000 OK	8.012	76_OUT	-1.4	-0.012	-0.001	2.8603
										Infiltration	0.1		
30 minute summer	76_OUT	34	6.118	0.481	4.2	0.0769	0.0000 OK						
										Infiltration	0.1		

Results for 100 year +30% 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 85.63%

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	14.8	0.0000	0.0000	FLOOD RISK	1.000	2	-14.8	-0.477	-0.881	0.4853	
30 minute winter	2	15	9.800	0.550	29.6	0.0000	0.0000	FLOOD RISK	1.001	3	-29.6	-0.953	-1.500	1.1264	
30 minute winter	3	15	9.800	0.550	44.6	0.0000	0.0000	FLOOD RISK	1.002	4	-44.6	-1.424	-2.107	0.4866	
30 minute winter	4	15	9.600	0.700	59.8	0.0000	0.0000	FLOOD RISK	1.003	5	-59.8	-1.905	-2.590	0.8441	
30 minute winter	5	14	9.850	0.800	75.7	0.0000	0.0000	FLOOD RISK	1.004	6	-75.7	-2.419	-2.924	0.1821	
30 minute winter	6	14	9.800	0.900	234.8	58.7555	0.0000	FLOOD RISK	1.005	7	135.6	2.101	2.183	0.7798	
30 minute winter	7	14	9.800	1.050	126.6	28.1870	0.0000	FLOOD RISK	1.006	8	148.0	1.900	2.107	2.4823	
30 minute winter	8	14	9.800	1.250	249.9	47.2410	0.0000	FLOOD RISK	1.007	9	231.6	1.850	2.140	5.8230	
30 minute winter	9	15	9.800	1.450	474.9	65.5938	0.0000	FLOOD RISK	1.008	10	395.2	2.020	1.867	3.1360	
30 minute winter	10	15	9.800	1.500	448.7	11.7911	0.0000	FLOOD RISK	1.009	11	426.5	2.181	2.886	47.8013	
30 minute winter	11	15	9.850	1.800	426.5	0.0000	0.0000	FLOOD RISK	1.010	12	426.1	2.179	1.489	53.3278	
30 minute winter	12	14	7.750	1.000	425.1	0.0000	0.0000	FLOOD RISK	1.011	13	551.4	3.735	2.508	0.3718	
30 minute winter	13	18	8.785	0.295	551.4	0.0000	0.0000	OK	1.012	13_OUT	485.6	7.431	0.378	0.4874	
30 minute winter	13_OUT	21	8.517	0.984	485.6	0.0000	0.0000	OK	Flow through pond	49	808.8	0.095	0.000	1414.9806	
30 minute winter	14	14	9.800	0.500	18.4	0.0000	0.0000	FLOOD RISK	2.000	15	-18.4	-0.524	-0.544	0.8136	
30 minute winter	15	14	9.850	0.714	158.3	49.8730	0.0000	FLOOD RISK	2.001	16	98.0	1.943	1.960	0.9254	
30 minute winter	16	14	9.800	0.808	95.0	0.0000	0.0000	FLOOD RISK	2.002	17	192.4	2.094	2.078	0.6320	
30 minute winter	17	14	9.800	0.941	118.6	19.1654	0.0000	FLOOD RISK	2.003	18	140.8	1.898	1.601	1.8750	
30 minute winter	18	14	9.800	1.119	219.9	38.7931	0.0000	FLOOD RISK	2.004	19	232.2	1.855	1.844	5.4890	
30 minute winter	19	13	9.600	1.344	438.2	54.3572	0.0000	FLOOD RISK	2.005	20	404.9	2.085	2.948	4.0828	
30 minute winter	20	14	9.850	1.389	404.0	0.0000	0.0000	FLOOD RISK	2.006	21	490.2	2.198	2.053	3.4979	
30 minute winter	21	14	9.800	1.428	406.2	0.0000	0.0000	FLOOD RISK	2.007	22	410.3	2.098	0.888	3.7404	
30 minute winter	22	14	9.800	1.800	533.8	25.9387	0.0000	FLOOD RISK	2.008	23	527.1	2.695	1.838	53.3617	
30 minute winter	23	11	7.750	1.000	527.1	0.0000	0.0000	FLOOD RISK	2.009	24	540.9	3.496	2.755	0.3464	
30 minute winter	24	21	9.724	0.224	540.9	0.0000	0.0000	OK	2.010	24_OUT	527.6	6.228	0.428	0.5367	
30 minute winter	24_OUT	22	8.800	1.208	527.0	0.0000	0.0000	OK	Flow through pond	49	808.8	0.095	0.000	1414.9806	
30 minute winter	25	18	8.912	0.118	15.2	0.0741	0.0000	OK	3.000	26	15.0	0.899	0.835	0.5694	
30 minute winter	26	22	8.744	0.309	30.2	4.6099	0.0000	SURCHARGED	3.001	27	16.7	0.962	1.053	0.7028	
								Infiltration			3.2				
30 minute winter	27	24	8.399	0.284	30.7	4.8846	0.0000	SURCHARGED	3.002	28	19.6	1.199	0.940	0.5744	
								Infiltration			3.8				
30 minute winter	28	23	8.021	0.328	33.0	4.1108	0.0000	SURCHARGED	3.003	29	23.6	1.348	1.001	0.6315	
								Infiltration			2.7				
30 minute winter	29	21	7.358	0.293	37.1	2.4888	0.0000	SURCHARGED	3.004	30	32.1	1.621	1.163	0.1195	
								Infiltration			2.8				
30 minute winter	30	38	7.192	0.387	34.5	0.0441	0.0000	OK	3.005	31	30.7	0.324	0.913	7.8893	
30 minute winter	31	38	7.193	0.498	33.2	0.0587	0.0000	OK	3.006	32	28.5	0.225	0.915	7.4513	
								Infiltration			2.6				

30 minute winter	32	38	7.193	0.548	28.9	0.0657	0.0000OK	3.007	33	23.5	0.179	0.018	5.6678
								Infiltration		2.0			
								Infiltration		2.1			
30 minute winter	33	38	7.193	0.418	25.9	0.0502	0.0000OK	3.008	34	22.7	0.388	0.015	5.3428
30 minute winter	34	38	7.192	0.447	25.1	0.0537	0.0000OK	3.009	35	17.5	0.344	0.007	4.6924
								Infiltration		1.8			
30 minute winter	35	38	7.194	0.518	19.6	0.0623	0.0000OK	3.010	36	9.8	0.163	0.003	8.9228
								Infiltration		1.4			
30 minute winter	36	38	7.192	0.687	11.5	0.0784	0.0000OK	3.011	37	0.8	0.000	0.000	0.0000
								Infiltration		2.2			
30 minute winter	37	29	6.895	0.190	5.4	0.0228	0.0000OK	3.012	38	-3.3	0.073	-0.001	5.8268
30 minute winter	38	29	6.896	0.431	14.9	0.0517	0.0000OK	3.013	39	-12.3	-0.138	-0.008	4.6832
								Infiltration		1.6			
								Infiltration		2.3			
30 minute winter	39	28	6.590	0.241	15.8	0.0289	0.0000OK	3.014	40	-12.8	-0.408	-0.008	1.3058
								Infiltration		0.9			
30 minute winter	40	19	6.741	0.040	12.9	0.0055	0.0000OK	3.015	41	-10.0	-0.414	-0.007	0.3163
								Infiltration		0.0			
30 minute winter	41	18	6.908	0.043	10.2	0.0052	0.0000OK	3.016	42	-7.3	-0.356	-0.005	0.2842
								Infiltration		0.0			
30 minute winter	42	18	7.116	0.033	7.4	0.0039	0.0000OK	3.017	43	-4.5	-0.235	-0.003	0.2537
								Infiltration		0.1			
30 minute winter	43	18	7.184	0.039	4.7	0.0047	0.0000OK	3.018	44	-1.8	-0.118	-0.001	0.1960
								Infiltration		0.1			
30 minute winter	44	18	7.244	0.019	2.9	0.0023	0.0000OK	3.019	45	1.1	0.083	0.001	0.1815
30 minute winter	45	18	7.227	0.032	4.0	0.0038	0.0000OK	3.020	46	3.9	0.217	0.002	0.2335
								Infiltration		0.1			
30 minute winter	46	18	7.180	0.036	6.8	0.0042	0.0000OK	3.021	47	6.6	0.317	0.002	0.2825
								Infiltration		0.1			
30 minute winter	47	33	7.012	0.047	9.5	0.0056	0.0000OK	3.022	48	9.3	0.240	0.003	1.2885
								Infiltration		0.0			
30 minute winter	48	33	7.012	0.217	12.2	0.0260	0.0000OK	3.023	50	10.9	0.255	0.014	2.1942
								Infiltration		0.2			
30 minute winter	49	84	7.681	-0.319	919.7	0.0900	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	32	7.011	0.228	13.8	0.0271	0.0000OK	3.024	54	11.0	0.260	0.004	3.5548
								Infiltration		0.3			
30 minute winter	54	32	7.013	0.388	13.7	0.0485	0.0000OK	3.025	54_OUT	4.8	0.071	0.002	5.3853
								Infiltration		0.3			
30 minute winter	54_OUT	32	7.010	0.506	6.7	0.0606	0.0000OK	Infiltration		0.4			

30 minute winter	55	22	8.880	0.434	8.1	0.1477	0.0000SURCHARGED	5.000	56	7.1	0.449	0.958	0.2948
30 minute winter	56	22	8.887	0.451	15.2	2.2572	0.0000SURCHARGED	5.001	57	9.8	0.552	0.781	0.3708
								Infiltration		0.4			
30 minute winter	57	23	8.810	0.503	17.8	2.8853	0.0000SURCHARGED	5.002	58	12.3	0.706	1.538	0.5462
								Infiltration		0.4			
30 minute winter	58	25	8.858	0.413	19.4	3.5202	0.0000SURCHARGED	5.003	59	14.1	0.798	1.894	0.6908
								Infiltration		0.8			
30 minute winter	59	36	8.581	0.378	20.8	2.3826	0.0000OK	5.004	60	11.8	0.172	0.917	11.8861
								Infiltration		0.4			
30 minute winter	60	36	8.582	0.397	19.2	0.1348	0.0000OK	5.005	61	3.7	0.082	0.004	17.6567
								Infiltration		0.6			
30 minute winter	61	38	8.582	0.446	10.7	0.1515	0.0000OK	5.006	62	0.0	0.000	0.003	0.0000
								Infiltration		0.9			
30 minute winter	62	18	8.186	0.050	8.1	0.0171	0.0000OK	5.007	63	7.7	0.131	0.004	9.6387
30 minute winter	63	32	8.170	0.334	17.4	0.1135	0.0000OK	5.008	63_OUT	-2.4	0.052	-0.001	7.9569
								Infiltration		0.7			
30 minute winter	63_OUT	32	8.170	0.406	8.1	0.1377	0.0000OK	Infiltration		0.4			
30 minute winter	64	33	8.501	0.318	3.8	0.0566	0.0000OK	8.000	65	1.8	0.093	0.001	3.0551
30 minute winter	65	33	8.500	0.375	5.8	0.0890	0.0000OK	8.001	66	-1.9	0.075	-0.001	4.1950
								Infiltration		0.2			
30 minute winter	66	34	8.590	0.407	5.8	0.0843	0.0000OK	8.002	67	-1.8	0.033	-0.001	2.4161
								Infiltration		0.2			
30 minute winter	67	34	8.500	0.424	3.8	0.0657	0.0000OK	8.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
30 minute winter	68	31	8.150	0.074	3.8	0.0115	0.0000OK	8.004	69	3.8	0.074	0.001	5.4048
30 minute winter	69	34	8.150	0.385	7.8	0.0819	0.0000OK	8.005	70	0.0	0.000	0.003	0.0000
								Infiltration		0.4			
30 minute winter	70	33	8.976	0.221	3.8	0.0353	0.0000OK	8.006	71	2.2	0.102	0.001	1.7902
30 minute winter	71	33	8.976	0.291	6.8	0.0466	0.0000OK	8.007	72	1.0	0.025	0.001	5.6545
								Infiltration		0.1			
30 minute winter	72	33	8.976	0.291	4.8	0.0485	0.0000OK	8.008	73	0.0	0.000	0.003	0.0000
								Infiltration		0.4			
30 minute winter	73	33	8.154	0.449	3.8	0.0718	0.0000OK	8.009	74	1.0	0.044	0.001	2.5475
30 minute winter	74	33	8.154	0.449	5.3	0.0718	0.0000OK	8.010	75	1.4	0.105	0.001	2.8854
								Infiltration		0.1			
30 minute winter	75	34	8.154	0.443	5.4	0.0716	0.0000OK	8.011	76	1.7	0.078	0.001	3.0912
								Infiltration		0.1			
30 minute winter	76	34	8.154	0.518	5.4	0.0789	0.0000OK	8.012	76_OUT	-1.8	-0.014	-0.001	3.2580
								Infiltration		0.1			
30 minute winter	76_OUT	33	8.154	0.518	3.8	0.0831	0.0000OK	Infiltration		0.1			

Results for 100 year +30% 60 minute summer, 300 minute analysis at 1 minute timestep, Mass balance: 86.51%

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	29	9.800	0.530	15.6	0.0000	0.0000	FLOOD RISK	1.000	2	-15.6	-0.497	-0.710	0.4663	
60 minute summer	2	29	9.800	0.550	30.3	0.0000	0.0000	FLOOD RISK	1.001	3	-30.3	-1.048	-1.524	1.1254	
60 minute summer	3	29	9.800	0.650	40.3	0.0000	0.0000	FLOOD RISK	1.002	4	-40.3	-1.268	-1.966	0.4966	
60 minute summer	4	28	9.850	0.790	50.5	0.0000	0.0000	FLOOD RISK	1.003	5	-50.5	-1.613	-2.195	0.5441	
60 minute summer	5	28	9.800	0.890	60.9	0.0000	0.0000	FLOOD RISK	1.004	6	-60.9	-1.948	-1.828	0.1621	
60 minute summer	6	28	9.800	0.990	166.8	54.7625	0.0000	FLOOD RISK	1.005	7	102.6	2.102	2.121	0.7798	
60 minute summer	7	27	9.800	1.050	122.1	27.8523	0.0000	FLOOD RISK	1.006	8	143.8	1.847	2.048	2.4923	
60 minute summer	8	27	9.800	1.250	215.7	45.3169	0.0000	FLOOD RISK	1.007	9	226.1	1.806	2.090	5.9230	
60 minute summer	9	27	9.800	1.450	423.9	82.8594	0.0000	FLOOD RISK	1.008	10	381.0	1.948	1.667	3.1386	
60 minute summer	10	27	9.800	1.590	413.8	11.2835	0.0000	FLOOD RISK	1.009	11	413.7	2.115	2.800	47.5813	
60 minute summer	11	26	9.800	1.890	413.7	0.0000	0.0000	FLOOD RISK	1.010	12	413.6	2.115	1.438	53.3278	
60 minute summer	12	20	7.750	1.000	413.6	0.0000	0.0000	FLOOD RISK	1.011	13	608.8	3.792	3.091	0.3734	
60 minute summer	13	35	9.788	0.288	608.8	0.0000	0.0000	OK	1.012	13_OUT	455.1	7.030	0.368	0.5418	
60 minute summer	13_OUT	37	8.430	0.696	455.1	0.0000	0.0000	OK	Flow through pond	49	1411.9	0.146	0.000	1681.2650	
60 minute summer	14	26	9.800	0.500	25.4	0.0000	0.0000	FLOOD RISK	2.000	15	-25.4	-0.810	-0.841	0.5136	
60 minute summer	15	26	9.800	0.714	113.9	43.9291	0.0000	FLOOD RISK	2.001	16	88.6	1.771	1.788	0.9254	
60 minute summer	16	26	9.800	0.899	88.6	0.0000	0.0000	FLOOD RISK	2.002	17	92.6	1.898	1.883	0.8320	
60 minute summer	17	20	9.800	0.941	110.8	16.8475	0.0000	FLOOD RISK	2.003	18	128.6	1.652	1.645	1.8750	
60 minute summer	18	25	9.800	1.119	204.9	34.2765	0.0000	FLOOD RISK	2.004	19	214.8	1.716	1.766	5.4890	
60 minute summer	19	26	9.850	1.344	398.0	48.3340	0.0000	FLOOD RISK	2.005	20	375.7	1.921	1.905	4.6828	
60 minute summer	20	26	9.800	1.359	375.7	0.0000	0.0000	FLOOD RISK	2.006	21	377.8	1.931	1.908	3.4979	
60 minute summer	21	25	9.800	1.428	377.6	0.0000	0.0000	FLOOD RISK	2.007	22	378.6	1.941	0.837	3.7404	
60 minute summer	22	25	9.800	1.800	493.3	23.3659	0.0000	FLOOD RISK	2.008	23	489.1	2.501	1.688	53.3017	
60 minute summer	23	16	7.750	1.000	489.1	0.0000	0.0000	FLOOD RISK	2.009	24	489.1	3.047	2.491	0.3675	
60 minute summer	24	32	9.758	0.258	489.1	0.0000	0.0000	OK	2.010	24_OUT	489.1	6.892	0.395	0.5448	
60 minute summer	24_OUT	36	8.861	1.128	489.1	0.0000	0.0000	OK	Flow through pond	49	1411.9	0.146	0.000	1681.2650	
60 minute summer	25	33	8.896	0.694	12.9	0.0000	0.0000	OK	3.000	26	12.9	0.799	0.719	0.5182	
60 minute summer	26	37	8.683	0.248	25.8	2.9616	0.0000	UNCHARGED	3.001	27	18.2	0.960	1.023	0.7028	
								Infiltration			2.5				
60 minute summer	27	39	8.361	0.246	28.4	3.6797	0.0000	UNCHARGED	3.002	28	20.2	1.199	1.063	0.5744	
								Infiltration			3.1				
60 minute summer	28	38	7.983	0.266	31.1	3.2197	0.0000	UNCHARGED	3.003	29	23.0	1.351	0.973	0.8315	
								Infiltration			2.4				
60 minute summer	29	38	7.337	0.272	34.7	2.1458	0.0000	UNCHARGED	3.004	30	30.4	1.724	1.082	0.1195	
								Infiltration			1.9				
60 minute summer	30	53	7.206	0.361	32.7	0.6457	0.0000	OK	3.005	31	28.9	0.258	0.012	8.3442	
60 minute summer	31	53	7.206	0.511	31.2	0.6814	0.0000	OK	3.006	32	22.1	0.188	0.013	7.7510	
								Infiltration			2.7				

60 minute summer	32	53	7.207	0.562	24.4	0.0674	0.0000OK	3.007	33	14.8	0.119	0.010	5.9491
								Infiltration		2.0			
								Infiltration		2.2			
60 minute summer	33	53	7.207	0.432	17.1	0.0518	0.0000OK	3.008	34	11.8	0.282	0.008	5.5891
60 minute summer	34	53	7.207	0.462	13.8	0.0654	0.0000OK	3.009	35	8.3	0.279	0.003	4.5888
								Infiltration		1.8			
60 minute summer	35	53	7.208	0.531	10.4	0.0938	0.0000OK	3.010	36	4.8	0.095	0.001	0.9250
								Infiltration		1.4			
60 minute summer	36	53	7.207	0.792	7.0	0.0890	0.0000OK	3.011	37	0.1	0.194	0.004	0.0097
								Infiltration		2.2			
60 minute summer	37	44	6.688	0.181	4.8	0.0217	0.0000OK	3.012	38	-2.5	0.061	-0.001	5.5883
60 minute summer	38	43	6.685	0.420	12.0	0.0505	0.0000OK	3.013	39	-9.6	-0.107	-0.008	3.9132
								Infiltration		1.5			
								Infiltration		2.3			
60 minute summer	39	44	6.686	0.231	12.8	0.0277	0.0000OK	3.014	40	-19.8	-0.321	-0.007	1.2328
								Infiltration		0.9			
60 minute summer	40	34	6.738	0.041	10.7	0.0049	0.0000OK	3.015	41	-8.3	-0.368	-0.008	0.2814
								Infiltration		0.0			
60 minute summer	41	34	6.904	0.039	8.4	0.0046	0.0000OK	3.016	42	-8.0	-0.332	-0.004	0.2349
								Infiltration		0.0			
60 minute summer	42	34	7.114	0.029	6.1	0.0035	0.0000OK	3.017	43	-3.7	-0.218	-0.002	0.2253
								Infiltration		0.1			
60 minute summer	43	33	7.180	0.035	3.8	0.0042	0.0000OK	3.018	44	-1.5	-0.198	-0.001	0.1748
								Infiltration		0.1			
60 minute summer	44	33	7.242	0.017	2.4	0.0020	0.0000OK	3.019	45	0.9	0.078	0.001	0.1434
60 minute summer	45	33	7.220	0.028	3.3	0.0034	0.0000OK	3.020	46	3.2	0.203	0.001	0.2070
								Infiltration		0.1			
60 minute summer	46	34	7.158	0.031	5.6	0.0038	0.0000OK	3.021	47	5.5	0.297	0.002	0.2732
								Infiltration		0.1			
60 minute summer	47	81	7.627	0.062	7.9	0.0075	0.0000OK	3.022	48	7.8	0.212	0.002	1.4553
								Infiltration		0.1			
60 minute summer	48	81	7.627	0.232	10.1	0.0278	0.0000OK	3.023	53	7.1	0.206	0.009	2.3988
								Infiltration		0.2			
60 minute summer	49	81	7.718	-0.284	1458.7	0.0090	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	61	7.627	0.242	9.4	0.0290	0.0000OK	3.024	54	8.7	0.183	0.002	3.8041
								Infiltration		0.3			
60 minute summer	54	62	7.627	0.402	8.5	0.0483	0.0000OK	3.025	54_OUT	2.5	0.053	0.001	6.5998
								Infiltration		0.3			
60 minute summer	54_OUT	62	7.627	0.522	4.4	0.0626	0.0000OK	Infiltration		0.4			

60 minute summer	55	37	8.801	0.355	6.8	0.1205	0.0000 SURCHARGED	5.000	56	8.0	0.433	0.808	0.2949
60 minute summer	56	37	8.790	0.374	12.8	1.8430	0.0000 SURCHARGED	5.001	57	8.4	0.538	0.874	0.3709
								Infiltration		0.3			
60 minute summer	57	38	8.749	0.439	14.9	2.4789	0.0000 SURCHARGED	5.002	58	10.7	0.611	1.342	0.5482
								Infiltration		0.4			
60 minute summer	58	40	8.638	0.393	16.7	3.3289	0.0000 SURCHARGED	5.003	59	12.3	0.700	1.661	0.5908
								Infiltration		0.5			
60 minute summer	59	62	8.605	0.400	18.9	2.5457	0.0000 OK	5.004	60	10.3	0.117	0.015	12.9125
								Infiltration		0.4			
60 minute summer	60	62	8.605	0.420	16.7	0.1427	0.0000 OK	5.005	61	3.2	0.672	0.003	19.5933
								Infiltration		0.6			
60 minute summer	61	62	8.605	0.489	9.1	0.1594	0.0000 OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.9			
60 minute summer	62	63	8.187	0.051	6.8	0.0174	0.0000 OK	5.007	63	6.5	0.095	0.003	10.5053
60 minute summer	63	62	8.187	0.351	14.7	0.1192	0.0000 OK	5.008	63_OUT	-1.9	0.639	-0.001	8.4783
								Infiltration		0.8			
60 minute summer	63_OUT	62	8.187	0.422	6.8	0.1434	0.0000 OK			0.4			
60 minute summer	64	62	6.529	0.344	3.2	0.0550	0.0000 OK	6.000	65	1.2	0.075	0.001	3.4169
60 minute summer	65	62	6.529	0.404	4.9	0.0846	0.0000 OK	6.001	66	-0.8	0.087	-0.001	4.6499
								Infiltration		0.2			
60 minute summer	66	63	6.529	0.436	4.7	0.0689	0.0000 OK	6.002	67	-1.5	0.630	-0.001	2.6633
								Infiltration		0.2			
60 minute summer	67	63	6.529	0.453	3.2	0.0702	0.0000 OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
60 minute summer	68	61	6.157	0.091	3.4	0.0142	0.0000 OK	6.004	69	3.2	0.082	0.001	5.6823
60 minute summer	69	63	6.157	0.402	6.4	0.0644	0.0000 OK	6.005	70	0.0	0.600	0.000	0.0000
								Infiltration		0.4			
60 minute summer	70	62	5.995	0.240	3.2	0.0354	0.0000 OK	6.006	71	1.9	0.664	0.001	1.9688
60 minute summer	71	62	5.995	0.310	5.1	0.0496	0.0000 OK	6.007	72	0.7	0.618	0.000	6.1657
								Infiltration		0.1			
60 minute summer	72	62	5.995	0.310	3.8	0.0499	0.0000 OK	6.008	73	0.0	0.600	0.000	0.0000
								Infiltration		0.4			
60 minute summer	73	63	6.192	0.487	3.2	0.0779	0.0000 OK	6.009	74	1.3	0.932	0.001	2.8778
60 minute summer	74	63	6.192	0.487	4.5	0.0750	0.0000 OK	6.010	75	0.7	0.981	0.000	3.2590
								Infiltration		0.1			
60 minute summer	75	63	6.192	0.457	4.0	0.0780	0.0000 OK	6.011	76	1.0	0.659	0.000	3.4833
								Infiltration		0.1			
60 minute summer	76	63	6.192	0.557	4.1	0.0847	0.0000 OK	6.012	76_OUT	-1.0	-0.910	-0.001	3.5730
								Infiltration		0.1			
60 minute summer	76_OUT	63	6.192	0.557	3.2	0.0892	0.0000 OK			0.1			

Results for 100 year +30% 60 minute winter, 300 minute analysis at 1 minute timestep, Mass balance: 99.63%

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	27	9.890	0.500	15.8	0.0000	0.0000	FLOOD RISK	1.000	2	-15.8	-0.500	-0.722	0.4853	
60 minute winter	2	27	9.800	0.550	30.8	0.0000	0.0000	FLOOD RISK	1.001	3	-30.8	-0.955	-1.550	1.1264	
60 minute winter	3	28	9.800	0.650	37.9	0.0000	0.0000	FLOOD RISK	1.002	4	-37.9	-1.212	-1.793	0.4868	
60 minute winter	4	28	9.600	0.700	45.9	0.0000	0.0000	FLOOD RISK	1.003	5	-45.9	-1.488	-1.995	0.8441	
60 minute winter	5	28	9.600	0.800	53.9	0.0000	0.0000	FLOOD RISK	1.004	6	-53.9	-1.723	-1.442	0.1821	
60 minute winter	6	25	9.600	0.900	132.3	54.6923	0.0000	FLOOD RISK	1.005	7	99.5	2.034	2.052	0.7798	
60 minute winter	7	25	9.600	1.050	122.6	28.8428	0.0000	FLOOD RISK	1.006	8	140.2	1.801	1.997	2.4823	
60 minute winter	8	25	9.800	1.250	213.8	44.8473	0.0000	FLOOD RISK	1.007	9	223.5	1.785	2.068	5.8230	
60 minute winter	9	25	9.800	1.450	384.6	61.4088	0.0000	FLOOD RISK	1.008	10	376.8	1.926	1.589	3.1360	
60 minute winter	10	25	9.600	1.500	408.3	11.0815	0.0000	FLOOD RISK	1.009	11	458.0	2.089	2.791	47.8813	
60 minute winter	11	24	9.600	1.600	468.0	0.0000	0.0000	FLOOD RISK	1.010	12	496.9	2.080	1.413	53.3275	
60 minute winter	12	19	7.750	1.000	495.9	0.0000	0.0000	FLOOD RISK	1.011	13	581.1	3.698	2.883	0.3774	
60 minute winter	13	37	8.774	0.274	581.1	0.0000	0.0000	OK	1.012	13_OUT	484.2	7.454	0.391	0.5579	
60 minute winter	13_OUT	41	8.488	0.955	484.2	0.0000	0.0000	OK	Flow through pond	49	1639.0	0.186	0.000	1916.2174	
60 minute winter	14	23	9.600	0.500	8.0	0.0000	0.0000	FLOOD RISK	2.000	15	-8.0	-0.191	-0.198	0.8135	
60 minute winter	15	23	9.600	0.714	92.2	40.5875	0.0000	FLOOD RISK	2.001	16	80.1	1.838	1.852	0.9254	
60 minute winter	16	23	9.800	0.808	80.1	0.0000	0.0000	FLOOD RISK	2.002	17	84.8	1.735	1.722	0.6320	
60 minute winter	17	23	9.800	0.941	107.5	15.5451	0.0000	FLOOD RISK	2.003	18	119.4	1.534	1.528	1.8750	
60 minute winter	18	23	9.800	1.119	197.1	31.5419	0.0000	FLOOD RISK	2.004	19	203.8	1.628	1.619	5.4890	
60 minute winter	19	23	9.600	1.344	368.0	44.5148	0.0000	FLOOD RISK	2.005	20	358.5	1.833	1.815	4.0828	
60 minute winter	20	23	9.600	1.389	358.5	0.0000	0.0000	FLOOD RISK	2.006	21	359.3	1.837	1.815	3.4979	
60 minute winter	21	23	9.600	1.428	359.3	0.0000	0.0000	FLOOD RISK	2.007	22	360.4	1.843	0.805	3.7404	
60 minute winter	22	23	9.600	1.800	484.0	21.6430	0.0000	FLOOD RISK	2.008	23	483.1	2.368	1.508	53.3517	
60 minute winter	23	18	7.750	1.000	483.1	0.0000	0.0000	FLOOD RISK	2.009	24	605.7	3.778	3.885	0.3808	
60 minute winter	24	31	8.778	0.278	605.7	0.0000	0.0000	OK	2.010	24_OUT	483.1	6.975	0.374	0.5394	
60 minute winter	24_OUT	37	8.570	1.037	483.1	0.0000	0.0000	OK	Flow through pond	49	1639.0	0.186	0.000	1916.2174	
60 minute winter	25	33	8.878	0.982	10.4	0.0523	0.0000	OK	3.000	26	10.4	0.744	0.589	0.4847	
60 minute winter	26	38	8.848	0.211	20.8	2.1288	0.0000	SURCHARGE	3.001	27	16.1	0.971	1.018	0.7028	
								Infiltration			2.1				
60 minute winter	27	40	8.352	0.237	25.9	3.3836	0.0000	SURCHARGE	3.002	28	20.3	1.291	1.068	0.5744	
								Infiltration			3.6				
60 minute winter	28	40	7.980	0.285	29.6	3.1337	0.0000	SURCHARGE	3.003	29	23.3	1.342	0.988	0.6315	
								Infiltration			2.4				
60 minute winter	29	45	7.385	0.306	32.3	2.6984	0.0000	SURCHARGE	3.004	30	28.7	1.630	1.632	0.1195	
								Infiltration			2.1				
60 minute winter	30	55	7.243	0.418	30.7	0.0501	0.0000	OK	3.005	31	27.5	0.280	0.911	9.3834	
60 minute winter	31	55	7.243	0.548	29.5	0.0657	0.0000	OK	3.006	32	21.1	0.297	0.912	8.5868	
								Infiltration			2.8				

60 minute winter	32	55	7.243	0.598	23.1	0.0717	0.0000OK	3.007	33	14.1	0.130	0.008	7.7237
								Infiltration		2.2			
								Infiltration		2.3			
60 minute winter	33	56	7.243	0.488	18.1	0.0582	0.0000OK	3.008	34	12.2	0.277	0.008	6.2817
60 minute winter	34	55	7.243	0.498	13.2	0.0597	0.0000OK	3.009	35	9.3	0.288	0.004	5.4365
								Infiltration		1.9			
60 minute winter	35	55	7.243	0.598	10.4	0.0682	0.0000OK	3.010	36	6.7	0.072	0.002	9.7468
								Infiltration		1.5			
60 minute winter	36	55	7.243	0.738	7.5	0.0841	0.0000OK	3.011	37	2.4	0.579	0.175	0.0097
								Infiltration		2.3			
60 minute winter	37	47	6.708	0.203	3.9	0.0243	0.0000OK	3.012	38	3.6	0.065	0.001	6.1298
60 minute winter	38	48	6.708	0.443	10.3	0.0531	0.0000OK	3.013	39	-8.3	-0.112	-0.008	4.2755
								Infiltration		1.6			
								Infiltration		2.4			
60 minute winter	39	47	6.708	0.253	10.8	0.0303	0.0000OK	3.014	40	-6.9	-0.329	-0.005	1.3824
								Infiltration		0.9			
60 minute winter	40	34	6.732	0.837	8.9	0.0644	0.0000OK	3.015	41	-6.8	-0.364	-0.005	0.2500
								Infiltration		0.8			
60 minute winter	41	33	6.900	0.035	7.0	0.0042	0.0000OK	3.016	42	-5.0	-0.311	-0.003	0.2990
								Infiltration		0.6			
60 minute winter	42	33	7.111	0.028	5.1	0.0032	0.0000OK	3.017	43	-3.1	-0.205	-0.002	0.2013
								Infiltration		0.1			
60 minute winter	43	33	7.176	0.031	3.2	0.0038	0.0000OK	3.018	44	-1.2	-0.190	-0.001	0.1562
								Infiltration		0.6			
60 minute winter	44	33	7.240	0.015	2.0	0.0018	0.0000OK	3.019	45	0.8	0.073	0.001	0.1279
60 minute winter	45	33	7.221	0.028	2.8	0.0031	0.0000OK	3.020	46	2.7	0.190	0.001	0.1845
								Infiltration		0.1			
60 minute winter	46	33	7.153	0.028	4.7	0.0034	0.0000OK	3.021	47	4.6	0.278	0.001	0.3865
								Infiltration		0.6			
60 minute winter	47	61	7.054	0.089	6.6	0.0197	0.0000OK	3.022	48	6.5	0.190	0.002	1.7860
								Infiltration		0.1			
60 minute winter	48	61	7.053	0.258	8.5	0.0310	0.0000OK	3.023	50	5.8	0.202	0.007	2.7655
								Infiltration		0.2			
60 minute winter	49	83	7.743	-0.257	1880.2	0.0660	0.0000OK	Orifice	50	0.0			
								Infiltration		0.6			
60 minute winter	50	1	7.450	0.003	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	7.054	0.298	7.4	0.0322	0.0000OK	3.024	54	6.0	0.188	0.002	4.2383
								Infiltration		0.3			
60 minute winter	54	62	7.053	0.428	7.5	0.0514	0.0000OK	3.025	54_OUT	2.9	0.056	0.001	7.2743
								Infiltration		0.3			
60 minute winter	54_OUT	60	7.054	0.549	4.5	0.0659	0.0000OK	Infiltration		0.5			

60 minute winter	55	43	8.890	0.354	5.5	0.1204	0.0000SURCHARGED	5.000	56	5.0	0.415	0.972	0.2948
60 minute winter	56	43	8.793	0.377	10.5	1.8558	0.0000SURCHARGED	5.001	57	7.5	0.516	0.504	0.3709
										Infiltration	0.3		
60 minute winter	57	41	8.759	0.443	12.5	2.5413	0.0000SURCHARGED	5.002	58	10.0	0.586	1.244	0.5462
										Infiltration	0.4		
60 minute winter	58	44	8.858	0.423	14.8	3.6148	0.0000SURCHARGED	5.003	59	11.0	0.659	1.563	0.6908
										Infiltration	0.6		
60 minute winter	59	52	8.644	0.439	15.4	2.8165	0.0000OK	5.004	60	9.7	0.127	0.914	14.7472
										Infiltration	0.5		
60 minute winter	60	52	8.644	0.459	14.8	0.1580	0.0000OK	5.005	61	3.0	0.079	0.003	21.6237
										Infiltration	0.7		
60 minute winter	61	52	8.644	0.508	6.0	0.1727	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
										Infiltration	1.0		
60 minute winter	62	51	8.213	0.077	5.5	0.0261	0.0000OK	5.007	63	5.4	0.195	0.003	12.1344
60 minute winter	63	52	8.212	0.378	12.2	0.1277	0.0000OK	5.008	63_OUT	-2.1	0.043	-0.001	9.2770
										Infiltration	0.8		
60 minute winter	63_OUT	52	8.212	0.447	5.5	0.1518	0.0000OK	5.009					
										Infiltration	0.5		
60 minute winter	64	52	8.567	0.382	2.6	0.0612	0.0000OK	8.000	65	1.2	0.078	0.001	3.9323
60 minute winter	65	52	8.567	0.442	3.9	0.0797	0.0000OK	8.001	66	-0.8	0.070	-0.001	5.2844
										Infiltration	0.2		
60 minute winter	66	51	8.567	0.474	4.0	0.0749	0.0000OK	8.002	67	-1.4	0.029	-0.001	3.0095
										Infiltration	0.2		
60 minute winter	67	51	8.567	0.491	2.6	0.0761	0.0000OK	8.003	68	0.0	0.000	0.000	0.0000
										Infiltration	0.1		
60 minute winter	68	51	8.192	0.118	3.4	0.0180	0.0000OK	8.004	69	2.8	0.084	0.001	5.8414
60 minute winter	69	51	8.194	0.429	5.2	0.0886	0.0000OK	8.005	70	0.0	0.000	0.000	0.0000
										Infiltration	0.4		
60 minute winter	70	51	8.024	0.269	2.0	0.0431	0.0000OK	8.006	71	1.6	0.067	0.001	2.2635
60 minute winter	71	51	8.025	0.349	4.2	0.0543	0.0000OK	8.007	72	0.7	0.020	0.000	7.0133
										Infiltration	0.1		
60 minute winter	72	51	8.025	0.340	3.3	0.0544	0.0000OK	8.008	73	0.0	0.000	0.000	0.0037
										Infiltration	0.4		
60 minute winter	73	52	8.238	0.533	2.0	0.0653	0.0000OK	8.009	74	1.1	0.038	0.001	3.2980
60 minute winter	74	52	8.238	0.533	3.7	0.0653	0.0000OK	8.010	75	0.8	0.067	0.001	3.7344
										Infiltration	0.1		
60 minute winter	75	52	8.238	0.533	3.5	0.0853	0.0000OK	8.011	76	1.3	0.084	0.000	3.9379
										Infiltration	0.2		
60 minute winter	76	52	8.238	0.803	3.0	0.0917	0.0000OK	8.012	76_OUT	-1.0	0.010	-0.001	4.0388
										Infiltration	0.2		
60 minute winter	76_OUT	52	8.238	0.903	2.6	0.0965	0.0000OK			0.2			

Results for 100 year +30% 120 minute summer, 360 minute analysis at 2 minute timestep. Mass Balance: 96.61%

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)
120 minute summer	1	52	9.890	0.500	5.2	0.0000	0.0000	FLOOD RISK	1.000	2	-5.2	-0.408	-0.235	0.4853	
120 minute summer	2	52	9.890	0.550	23.9	0.0000	0.0000	FLOOD RISK	1.001	3	-23.9	-0.789	-1.185	1.1264	
120 minute summer	3	52	9.890	0.650	20.9	0.0000	0.0000	FLOOD RISK	1.002	4	-20.9	-0.858	-1.270	0.4980	
120 minute summer	4	52	9.890	0.700	29.4	0.0000	0.0000	FLOOD RISK	1.003	5	-29.4	-0.939	-1.278	0.8441	
120 minute summer	5	50	9.890	0.800	33.3	0.0000	0.0000	FLOOD RISK	1.004	6	-33.3	-1.083	-0.888	0.1621	
120 minute summer	6	50	9.890	0.900	93.8	41.3919	0.0000	FLOOD RISK	1.005	7	80.3	1.642	1.657	0.7798	
120 minute summer	7	50	9.890	1.050	105.8	20.3971	0.0000	FLOOD RISK	1.006	8	115.9	1.468	1.850	2.4923	
120 minute summer	8	50	9.890	1.250	182.7	34.3379	0.0000	FLOOD RISK	1.007	9	189.3	1.513	1.750	5.9239	
120 minute summer	9	50	9.890	1.450	330.2	47.8460	0.0000	FLOOD RISK	1.008	10	319.3	1.632	1.347	3.1360	
120 minute summer	10	52	9.890	1.590	345.8	8.6515	0.0000	FLOOD RISK	1.009	11	345.8	1.767	2.339	47.8813	
120 minute summer	11	52	9.890	1.800	345.8	0.0000	0.0000	FLOOD RISK	1.010	12	346.8	1.773	1.204	53.3278	
120 minute summer	12	30	7.750	1.000	348.8	0.0000	0.0000	FLOOD RISK	1.011	13	497.2	3.286	2.532	0.3727	
120 minute summer	13	72	9.787	0.267	497.2	0.0000	0.0000	OK	1.012	13_CUT	422.5	7.610	0.342	0.5175	
120 minute summer	13_CUT	74	8.269	0.736	422.5	0.0000	0.0000	OK	Flow through pond	49	1020.1	0.117	0.000	2025.7534	
120 minute summer	14	49	9.890	0.500	12.8	0.0000	0.0000	FLOOD RISK	2.000	15	-12.8	-0.409	-0.425	0.8136	
120 minute summer	15	48	9.890	0.714	71.5	28.8778	0.0000	FLOOD RISK	2.001	16	83.6	1.298	1.310	0.9254	
120 minute summer	16	46	9.890	0.809	83.5	0.0000	0.0000	FLOOD RISK	2.002	17	86.0	1.349	1.339	0.6320	
120 minute summer	17	46	9.890	0.941	88.8	11.2590	0.0000	FLOOD RISK	2.003	18	95.0	1.221	1.216	1.8750	
120 minute summer	18	46	9.890	1.119	189.9	23.1802	0.0000	FLOOD RISK	2.004	19	185.8	1.325	1.318	5.4893	
120 minute summer	19	48	9.890	1.344	295.0	33.4098	0.0000	FLOOD RISK	2.005	20	291.7	1.491	1.479	4.0528	
120 minute summer	20	46	9.890	1.389	291.7	0.0000	0.0000	FLOOD RISK	2.006	21	292.6	1.480	1.479	3.4979	
120 minute summer	21	49	9.890	1.428	292.6	0.0000	0.0000	FLOOD RISK	2.007	22	293.3	1.506	0.492	3.7404	
120 minute summer	22	48	9.890	1.800	377.0	18.9128	0.0000	FLOOD RISK	2.008	23	375.7	1.921	1.304	53.3017	
120 minute summer	23	26	7.750	1.000	375.7	0.0000	0.0000	FLOOD RISK	2.009	24	564.0	3.556	2.873	0.3683	
120 minute summer	24	88	9.759	0.259	564.0	0.0000	0.0000	OK	2.010	24_CUT	435.3	7.178	0.352	6.5274	
120 minute summer	24_CUT	86	8.411	0.878	435.3	0.0000	0.0000	OK	Flow through pond	49	1020.1	0.117	0.000	2025.7534	
120 minute summer	25	64	8.805	0.070	8.1	0.0451	0.0000	OK	3.000	26	8.1	0.718	0.482	0.4032	
120 minute summer	26	64	8.551	0.110	16.2	0.0550	0.0000	OK	3.001	27	14.8	0.959	0.933	0.8322	
								Infiltration			1.1				
120 minute summer	27	68	8.280	0.153	22.9	1.3942	0.0000	OVERCHARGED	3.002	28	19.0	1.196	0.970	0.5744	
								Infiltration			1.9				
120 minute summer	28	70	7.910	0.215	27.7	1.7798	0.0000	OVERCHARGED	3.003	29	23.0	1.340	0.875	0.8315	
								Infiltration			1.8				
120 minute summer	29	78	7.325	0.260	31.1	1.9587	0.0000	OVERCHARGED	3.004	30	26.8	1.610	0.967	0.1195	
								Infiltration			1.8				
120 minute summer	30	82	7.260	0.375	28.4	0.0450	0.0000	OK	3.005	31	25.5	0.210	0.011	8.1895	
120 minute summer	31	82	7.260	0.505	27.0	0.0608	0.0000	OK	3.006	32	19.8	0.159	0.011	7.6075	
								Infiltration			2.6				
120 minute summer	32	82	7.200	0.556	21.3	0.0860	0.0000	OK	3.007	33	13.3	0.082	0.009	6.8118	

								Infiltration		2.0			
								Infiltration		2.1			
120 minute summer	33	82	7.290	0.426	14.6	0.0513	0.0000OK	3.008	34	10.8	0.208	0.008	5.4732
120 minute summer	34	82	7.200	0.456	12.3	0.0546	0.0000OK	3.009	35	7.0	0.207	0.003	4.7901
								Infiltration		1.8			
120 minute summer	35	82	7.200	0.528	8.5	0.0630	0.0000OK	3.010	36	3.5	0.038	0.001	8.7737
								Infiltration		1.4			
120 minute summer	36	82	7.200	0.896	5.0	0.0792	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		2.2			
120 minute summer	37	70	6.857	0.152	2.7	0.0182	0.0000OK	3.012	38	1.6	0.040	0.000	4.9225
120 minute summer	38	70	6.857	0.392	7.5	0.0471	0.0000OK	3.013	39	-6.1	-0.679	-0.004	3.4679
								Infiltration		1.5			
								Infiltration		2.1			
120 minute summer	39	70	6.857	0.202	8.2	0.0243	0.0000OK	3.014	40	-6.7	-0.285	-0.004	1.0428
								Infiltration		0.7			
120 minute summer	40	84	8.728	0.031	6.8	0.0037	0.0000OK	3.015	41	-5.3	-0.329	-0.004	0.2096
								Infiltration		0.0			
120 minute summer	41	84	8.894	0.028	5.3	0.0035	0.0000OK	3.016	42	-3.8	-0.281	-0.003	0.1754
								Infiltration		0.0			
120 minute summer	42	84	7.167	0.022	3.9	0.0027	0.0000OK	3.017	43	-2.4	-0.185	-0.002	0.1893
								Infiltration		0.0			
120 minute summer	43	84	7.172	0.027	2.4	0.0032	0.0000OK	3.018	44	-0.9	-0.090	-0.001	0.1314
								Infiltration		0.0			
120 minute summer	44	84	7.230	0.013	1.5	0.0015	0.0000OK	3.019	45	0.0	0.000	0.000	0.1073
120 minute summer	45	84	7.217	0.022	2.1	0.0028	0.0000OK	3.020	46	2.0	0.171	0.001	0.1548
								Infiltration		0.0			
120 minute summer	46	84	7.149	0.024	3.5	0.0026	0.0000OK	3.021	47	3.5	0.256	0.001	0.2856
								Infiltration		0.0			
120 minute summer	47	114	7.031	0.068	5.0	0.0079	0.0000OK	3.022	48	4.9	0.163	0.002	1.4981
								Infiltration		0.1			
120 minute summer	48	114	7.031	0.236	6.4	0.0263	0.0000OK	3.023	53	4.1	0.148	0.005	2.4515
								Infiltration		0.2			
120 minute summer	49	154	7.751	-0.249	1113.8	0.0000	0.0000OK	Office	50	0.0			
								Infiltration		0.0			
120 minute summer	50	2	7.400	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000
120 minute summer	51	2	7.200	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000
120 minute summer	52	2	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
120 minute summer	53	114	7.031	0.248	5.0	0.0295	0.0000OK	3.024	54	3.1	0.153	0.001	3.8839
								Infiltration		0.3			
120 minute summer	54	114	7.031	0.408	4.5	0.0487	0.0000OK	3.025	54_CUT	1.2	0.042	0.000	8.7750
								Infiltration		0.3			
120 minute summer	54_CUT	114	7.031	0.528	2.7	0.0631	0.0000OK	Infiltration		0.5			
120 minute summer	55	70	6.882	0.238	4.3	0.0804	0.0000SURFACEWATER O	5.000	56	3.9	0.393	0.528	0.2943
120 minute summer	56	70	6.878	0.282	8.2	1.2398	0.0000SURFACEWATER O	5.001	57	6.0	0.471	0.483	0.3708

120 minute summer	67	72	8.658	0.248	10.2	1.8716	0.0000	SURCHARGE	5.002	68	7.9	0.448	0.984	0.5462
120 minute summer	68	108	8.618	0.371	11.8	3.1997	0.0000	SURCHARGE	5.003	69	8.2	0.520	1.234	0.3908
120 minute summer	69	110	8.615	0.410	12.9	2.6199	0.0000	OK	5.004	80	7.6	0.090	0.011	13.4003
120 minute summer	80	110	8.615	0.430	11.5	0.1463	0.0000	OK	5.005	81	2.3	0.667	0.002	19.7848
120 minute summer	81	110	8.615	0.478	8.2	0.1630	0.0000	OK	5.008	82	0.0	0.000	0.000	0.0000
120 minute summer	82	112	8.199	0.093	4.3	0.0214	0.0000	OK	5.007	83	4.1	0.075	0.002	11.3242
120 minute summer	83	110	8.196	0.382	9.5	0.1232	0.0000	OK	5.008	83_OUT	-1.2	0.031	-0.001	8.8497
120 minute summer	83_OUT	110	8.198	0.433	4.3	0.1473	0.0000	OK						
120 minute summer	84	122	8.553	0.388	2.0	0.0588	0.0000	OK	5.009	85	0.7	0.061	0.000	3.7438
120 minute summer	85	122	8.553	0.428	2.9	0.0685	0.0000	OK	5.001	86	0.4	0.056	0.000	5.0554
120 minute summer	86	122	8.553	0.480	2.9	0.0727	0.0000	OK	5.002	87	-0.9	0.028	-0.001	2.8838
120 minute summer	87	122	8.553	0.477	2.0	0.0740	0.0000	OK	5.003	88	0.0	0.000	0.000	0.0000
120 minute summer	88	118	8.179	0.103	2.8	0.0195	0.0000	OK	5.004	89	2.0	0.050	0.001	6.2185
120 minute summer	89	112	8.179	0.414	4.0	0.0863	0.0000	OK	5.005	70	0.0	0.000	0.000	0.0000
120 minute summer	70	120	8.008	0.253	2.0	0.0404	0.0000	OK	5.006	71	1.2	0.073	0.000	2.0943
120 minute summer	71	120	8.008	0.323	3.2	0.0516	0.0000	OK	5.007	72	0.4	0.015	0.000	5.5283
120 minute summer	72	120	8.008	0.323	2.4	0.0516	0.0000	OK	5.008	73	0.0	0.000	0.000	0.0024
120 minute summer	73	122	8.228	0.523	2.0	0.0838	0.0000	OK	5.009	74	0.8	0.023	0.001	3.2058
120 minute summer	74	122	8.228	0.523	2.5	0.0838	0.0000	OK	5.010	75	0.4	0.060	0.000	3.6303
120 minute summer	75	122	8.228	0.523	2.5	0.0838	0.0000	OK	5.011	76	0.6	0.047	0.000	3.8343
120 minute summer	76	122	8.228	0.593	2.5	0.0902	0.0000	OK	5.012	76_OUT	-0.6	-0.608	0.000	3.9358
120 minute summer	76_OUT	122	8.228	0.593	2.0	0.0950	0.0000	OK						

Results for 100 year +30% 120 minute winter, 360 minute analysis at 2 minute timestep. Mass balance: 98.86%

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	48	9.800	0.500	10.8	0.0000	0.0000	FLOOD RISK	1.000	2	-10.8	-0.338	-0.483	0.4853	
120 minute winter	2	48	9.800	0.550	16.0	0.0000	0.0000	FLOOD RISK	1.001	3	-16.0	-0.512	-0.805	1.1284	
120 minute winter	3	48	9.800	0.650	27.7	0.0000	0.0000	FLOOD RISK	1.002	4	-27.7	-1.023	-1.311	0.4988	
120 minute winter	4	48	9.800	0.700	30.6	0.0000	0.0000	FLOOD RISK	1.003	5	-30.6	-0.977	-1.328	0.8441	
120 minute winter	5	48	9.800	0.800	33.9	0.0000	0.0000	FLOOD RISK	1.004	6	-33.9	-1.084	-0.997	0.1621	
120 minute winter	6	48	9.800	0.900	72.3	35.4958	0.0000	FLOOD RISK	1.005	7	69.1	1.412	1.425	0.7798	
120 minute winter	7	48	9.800	1.050	97.7	17.6145	0.0000	FLOOD RISK	1.006	8	102.8	1.318	1.481	2.4923	
120 minute winter	8	48	9.800	1.250	189.3	29.7376	0.0000	FLOOD RISK	1.007	9	171.8	1.372	1.588	5.9230	
120 minute winter	9	48	9.800	1.450	293.2	41.8798	0.0000	FLOOD RISK	1.008	10	299.3	1.484	1.225	3.1360	
120 minute winter	10	48	9.800	1.500	313.3	7.5548	0.0000	FLOOD RISK	1.009	11	313.3	1.602	2.120	47.8913	
120 minute winter	11	48	9.800	1.800	313.3	0.0000	0.0000	FLOOD RISK	1.010	12	312.3	1.597	1.035	53.3278	
120 minute winter	12	28	7.750	1.900	312.3	0.0000	0.0000	FLOOD RISK	1.011	13	516.9	3.359	2.833	0.3887	
120 minute winter	13	72	9.757	0.267	516.9	0.0000	0.0000	OK	1.012	13_OUT	403.8	7.675	0.329	0.4922	
120 minute winter	13_OUT	78	8.234	0.700	403.8	0.0000	0.0000	OK	Flow through pond	49	1207.6	0.111	0.000	2308.0691	
120 minute winter	14	42	9.800	0.500	5.5	0.0000	0.0000	FLOOD RISK	2.000	15	-5.5	-0.177	-0.184	0.8138	
120 minute winter	15	42	9.800	0.714	55.2	22.8787	0.0000	FLOOD RISK	2.001	16	83.0	1.083	1.090	0.9254	
120 minute winter	16	42	9.800	0.809	53.0	0.0000	0.0000	FLOOD RISK	2.002	17	54.1	1.107	1.099	0.6329	
120 minute winter	17	42	9.800	0.941	77.5	9.1008	0.0000	FLOOD RISK	2.003	18	79.8	1.025	1.021	1.6750	
120 minute winter	18	42	9.800	1.119	141.0	18.9901	0.0000	FLOOD RISK	2.004	19	142.4	1.138	1.131	5.4890	
120 minute winter	19	42	9.800	1.344	253.1	27.8117	0.0000	FLOOD RISK	2.005	20	252.1	1.269	1.278	4.9628	
120 minute winter	20	42	9.800	1.389	252.1	0.0000	0.0000	FLOOD RISK	2.006	21	252.2	1.402	1.276	3.4979	
120 minute winter	21	42	9.800	1.428	252.2	0.0000	0.0000	FLOOD RISK	2.007	22	252.1	1.295	0.423	3.7404	
120 minute winter	22	42	9.800	1.800	323.5	14.4936	0.0000	FLOOD RISK	2.008	23	325.5	1.684	1.130	53.3017	
120 minute winter	23	24	7.750	1.000	325.5	0.0000	0.0000	FLOOD RISK	2.009	24	539.6	3.397	2.702	0.3713	
120 minute winter	24	68	9.764	0.284	539.6	0.0000	0.0000	OK	2.010	24_OUT	419.4	7.361	0.339	0.5014	
120 minute winter	24_OUT	70	8.265	0.732	419.4	0.0000	0.0000	OK	Flow through pond	49	1207.6	0.111	0.000	2308.0691	
120 minute winter	25	64	8.657	0.081	6.2	0.0388	0.0000	OK	3.000	26	8.2	0.872	0.346	0.3277	
120 minute winter	26	84	8.531	0.090	12.4	0.4539	0.0000	OK	3.001	27	11.5	0.918	0.724	0.4938	
									Infiltration		0.9				
120 minute winter	27	68	8.220	0.105	17.7	0.8705	0.0000	OK	3.002	28	18.4	1.195	0.813	0.4500	
									Infiltration		1.2				
120 minute winter	28	68	7.810	0.115	22.5	0.5191	0.0000	OK	3.003	29	21.5	1.325	0.912	0.5747	
									Infiltration		0.9				
120 minute winter	29	74	7.325	0.263	27.7	2.0122	0.0000	SURCHARGED	3.004	30	24.3	1.603	0.873	0.1195	
									Infiltration		1.8				
120 minute winter	30	88	7.232	0.407	25.4	0.9468	0.0000	OK	3.005	31	23.0	0.228	0.010	8.9551	
120 minute winter	31	88	7.232	0.537	34.1	0.0844	0.0000	OK	3.006	32	17.8	0.148	0.010	8.3174	
									Infiltration		2.8				

120 minute winter	32	88	7.232	0.587	18.8	0.0704	0.0000OK	3.007	33	11.7	0.085	0.000	7.4856
								Infiltration		2.1			
								Infiltration		2.2			
120 minute winter	33	88	7.232	0.457	12.8	0.0548	0.0000OK	3.008	34	9.5	0.216	0.007	6.0709
120 minute winter	34	88	7.232	0.487	10.5	0.0584	0.0000OK	3.009	35	8.3	0.229	0.000	5.2683
								Infiltration		1.9			
120 minute winter	35	88	7.232	0.557	7.3	0.0688	0.0000OK	3.010	36	3.5	0.644	0.001	9.4918
								Infiltration		1.5			
120 minute winter	36	88	7.232	0.727	4.3	0.0829	0.0000OK	3.011	37	1.3	0.499	0.008	0.0064
								Infiltration		2.3			
120 minute winter	37	90	6.677	0.172	1.8	0.0208	0.0000OK	3.012	38	2.1	0.049	0.001	5.3786
120 minute winter	38	88	6.677	0.412	6.0	0.0494	0.0000OK	3.013	39	4.8	-0.094	-0.003	3.7738
								Infiltration		1.5			
								Infiltration		2.2			
120 minute winter	39	88	6.677	0.222	6.5	0.0256	0.0000OK	3.014	40	-5.4	-0.294	-0.004	1.1575
								Infiltration		0.8			
120 minute winter	40	84	8.722	0.027	5.4	0.0033	0.0000OK	3.015	41	-4.2	-0.303	-0.003	0.1818
								Infiltration		0.0			
120 minute winter	41	64	6.891	0.026	4.2	0.0031	0.0000OK	3.016	42	-3.0	-0.258	-0.002	0.1521
								Infiltration		0.0			
120 minute winter	42	64	7.104	0.019	3.1	0.0023	0.0000OK	3.017	43	-1.9	-0.199	-0.001	0.1471
								Infiltration		0.0			
120 minute winter	43	64	7.193	0.020	1.9	0.0028	0.0000OK	3.018	44	-0.7	-0.082	0.000	0.1144
								Infiltration		0.0			
120 minute winter	44	64	7.238	0.011	1.2	0.0013	0.0000OK	3.019	45	0.5	0.060	0.000	0.0932
120 minute winter	45	64	7.214	0.019	1.7	0.0023	0.0000OK	3.020	46	1.9	0.157	0.001	0.1343
								Infiltration		0.0			
120 minute winter	46	64	7.146	0.021	2.8	0.0025	0.0000OK	3.021	47	2.8	0.230	0.001	0.4273
								Infiltration		0.0			
120 minute winter	47	108	7.061	0.098	4.0	0.0115	0.0000OK	3.022	48	3.9	0.140	0.001	1.8511
								Infiltration		0.1			
120 minute winter	48	114	7.061	0.286	5.1	0.0319	0.0000OK	3.023	49	3.3	0.151	0.004	2.8689
								Infiltration		0.2			
120 minute winter	49	178	7.783	-0.217	1278.3	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	7.061	0.276	4.5	0.0031	0.0000OK	3.024	54	2.9	0.154	0.001	4.3611
								Infiltration		0.3			
120 minute winter	54	104	7.061	0.436	3.6	0.0523	0.0000OK	3.025	54_OUT	1.4	0.046	0.001	7.4309
								Infiltration		0.4			
120 minute winter	54_OUT	110	7.061	0.556	2.3	0.0867	0.0000OK	Infiltration		0.5			

120 minute winter	55	78	8.681	0.235	3.3	0.0799	0.0000SURCHARGED	5.000	56	3.1	0.371	0.417	0.2949
120 minute winter	56	78	8.878	0.262	6.4	1.2438	0.0000SURCHARGED	5.001	57	5.0	0.452	0.398	0.3799
120 minute winter	57	80	8.667	0.357	8.2	1.9336	0.0000SURCHARGED	5.002	58	8.7	0.411	0.831	0.5462
120 minute winter	58	114	8.658	0.413	9.8	3.5158	0.0000SURCHARGED	5.003	59	7.7	0.448	1.044	0.3806
120 minute winter	59	116	8.657	0.482	10.8	2.9150	0.0000OK	5.004	60	6.6	0.101	0.009	15.4188
120 minute winter	60	116	8.657	0.472	9.7	0.1806	0.0000OK	5.005	61	2.1	0.094	0.092	22.5457
120 minute winter	61	116	8.658	0.522	5.1	0.1773	0.0000OK	5.006	62	6.0	0.000	0.000	0.0000
120 minute winter	62	118	8.227	0.091	3.3	0.0308	0.0000OK	5.007	63	3.3	0.685	0.002	13.0371
120 minute winter	63	114	8.228	0.390	7.3	0.1326	0.0000OK	5.008	63_OUT	-1.1	0.034	-0.001	9.7456
120 minute winter	63_OUT	114	8.226	0.461	3.3	0.1587	0.0000OK						
120 minute winter	64	118	8.598	0.414	1.8	0.0682	0.0000OK	6.000	65	0.7	0.683	0.000	4.3799
120 minute winter	65	120	6.598	0.474	2.4	0.0758	0.0000OK	6.001	66	0.5	0.654	0.000	5.8392
120 minute winter	66	120	6.599	0.508	2.3	0.0799	0.0000OK	6.002	67	-0.7	0.027	0.000	1.3111
120 minute winter	67	120	6.598	0.520	1.8	0.0810	0.0000OK	6.003	68	6.0	0.600	0.000	0.0000
120 minute winter	68	118	6.210	0.134	2.3	0.0208	0.0000OK	6.004	69	1.5	0.047	0.000	7.1304
120 minute winter	69	118	6.209	0.444	3.1	0.0711	0.0000OK	6.005	70	0.0	0.099	0.000	0.0000
120 minute winter	70	118	6.043	0.288	1.8	0.0481	0.0000OK	6.006	71	1.0	0.082	0.000	2.4571
120 minute winter	71	118	6.043	0.358	2.6	0.0673	0.0000OK	6.007	72	0.4	0.015	0.000	7.5592
120 minute winter	72	118	6.043	0.358	1.9	0.0573	0.0000OK	6.008	73	0.0	0.000	0.000	0.0106
120 minute winter	73	120	6.283	0.578	1.8	0.0925	0.0000OK	6.009	74	0.7	0.028	0.000	3.7270
120 minute winter	74	120	6.283	0.578	2.3	0.0925	0.0000OK	6.010	75	0.6	0.072	0.000	4.2204
120 minute winter	75	120	6.283	0.578	2.6	0.0925	0.0000OK	6.011	76	0.6	0.046	0.000	4.4226
120 minute winter	76	120	6.283	0.648	2.0	0.0985	0.0000OK	6.012	76_OUT	-0.4	0.007	0.000	4.5101
120 minute winter	76_OUT	120	6.283	0.648	1.6	0.1037	0.0000OK						

Results for 100 year +30% 180 minute summer, 420 minute analysis at 4 minute timestep. Mass Balance: 97.95%

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	76	9.890	0.500	3.9	0.0009	0.0000	FLOOD RISK	1.000	2	-3.6	-0.118	-0.188	0.4853	
180 minute summer	2	76	9.800	0.550	8.3	0.0000	0.0000	FLOOD RISK	1.001	3	-8.3	-0.288	-0.418	1.1264	
180 minute summer	3	76	9.800	0.850	12.8	0.0000	0.0000	FLOOD RISK	1.002	4	-12.8	-0.409	-0.686	0.4980	
180 minute summer	4	76	9.800	0.700	16.2	0.0000	0.0000	FLOOD RISK	1.003	5	-16.2	-0.518	-0.704	0.8441	
180 minute summer	5	72	9.890	0.800	18.5	0.0000	0.0000	FLOOD RISK	1.004	6	-18.5	-0.592	-0.495	0.1521	
180 minute summer	6	72	9.800	0.900	68.8	31.3223	0.0000	FLOOD RISK	1.005	7	84.1	1.311	1.322	0.7798	
180 minute summer	7	72	9.800	1.050	90.0	15.8475	0.0000	FLOOD RISK	1.006	8	95.0	1.221	1.353	2.4923	
180 minute summer	8	72	9.890	1.250	153.2	26.9938	0.0000	FLOOD RISK	1.007	9	158.7	1.268	1.487	5.9239	
180 minute summer	9	76	9.800	1.450	273.9	37.5508	0.0000	FLOOD RISK	1.008	10	288.8	1.373	1.134	3.1360	
180 minute summer	10	76	9.800	1.590	289.8	6.8215	0.0000	FLOOD RISK	1.009	11	290.0	1.483	1.982	47.8813	
180 minute summer	11	76	9.800	1.800	290.0	0.0000	0.0000	FLOOD RISK	1.010	12	291.8	1.492	1.013	53.3278	
180 minute summer	12	40	7.750	1.000	291.8	0.0000	0.0000	FLOOD RISK	1.011	13	370.1	2.217	1.885	0.3595	
180 minute summer	13	96	8.745	0.248	370.1	0.0000	0.0000	OK	1.012	13_OUT	379.8	6.953	0.387	0.4510	
180 minute summer	13_OUT	104	8.188	0.853	379.8	0.0000	0.0000	OK	Flow through pond	49	733.0	0.071	0.000	2280.5974	
180 minute summer	14	72	9.890	0.500	1.9	0.0000	0.0000	FLOOD RISK	2.000	15	-1.9	-0.051	-0.063	0.8135	
180 minute summer	15	68	9.890	0.714	52.5	20.3902	0.0000	FLOOD RISK	2.001	16	49.7	1.018	1.024	0.9254	
180 minute summer	16	72	9.800	0.809	49.7	0.0000	0.0000	FLOOD RISK	2.002	17	51.1	1.045	1.037	0.6320	
180 minute summer	17	72	9.800	0.941	72.2	8.1533	0.0000	FLOOD RISK	2.003	18	74.3	0.954	0.951	1.8750	
180 minute summer	18	72	9.890	1.119	130.9	17.1084	0.0000	FLOOD RISK	2.004	19	133.3	1.095	1.059	5.4893	
180 minute summer	19	72	9.800	1.344	237.5	25.3400	0.0000	FLOOD RISK	2.005	20	233.8	1.198	1.188	4.0528	
180 minute summer	20	72	9.800	1.389	233.9	0.0000	0.0000	FLOOD RISK	2.006	21	234.6	1.204	1.186	3.4979	
180 minute summer	21	72	9.800	1.428	234.6	0.0000	0.0000	FLOOD RISK	2.007	22	235.3	1.203	0.395	3.7404	
180 minute summer	22	72	9.890	1.800	301.3	13.4442	0.0000	FLOOD RISK	2.008	23	297.5	1.521	1.033	53.3017	
180 minute summer	23	36	7.750	1.000	297.5	0.0000	0.0000	FLOOD RISK	2.009	24	502.4	3.151	2.559	0.3523	
180 minute summer	24	104	9.733	0.233	502.4	0.0000	0.0000	OK	2.010	24_OUT	262.2	8.677	0.212	6.4188	
180 minute summer	24_OUT	96	8.118	0.585	262.2	0.0000	0.0000	OK	Flow through pond	49	733.0	0.071	0.000	2280.5974	
180 minute summer	25	96	8.855	0.059	5.9	0.0378	0.0000	OK	3.000	26	5.9	0.672	0.329	0.3155	
180 minute summer	26	96	8.528	0.093	11.8	0.4270	0.0000	OK	3.001	27	10.9	0.909	0.689	0.4800	
								Infiltration			0.8				
180 minute summer	27	96	8.219	0.101	18.6	0.6238	0.0000	OK	3.002	28	15.0	1.186	0.772	0.4283	
								Infiltration			1.2				
180 minute summer	28	96	7.803	0.198	21.5	0.4857	0.0000	OK	3.003	29	20.6	1.326	0.871	0.5594	
								Infiltration			0.8				
180 minute summer	29	100	7.257	0.182	28.5	1.0727	0.0000	IN FLOOD RISK	3.004	30	23.2	1.577	0.835	0.1195	
								Infiltration			1.3				
180 minute summer	30	116	7.175	0.350	24.3	0.0429	0.0000	OK	3.005	31	22.0	0.185	0.009	7.5053	
180 minute summer	31	116	7.175	0.480	23.1	0.0578	0.0000	OK	3.006	32	17.0	0.149	0.010	7.0709	
								Infiltration			2.5				
180 minute summer	32	116	7.175	0.530	18.1	0.0836	0.0000	OK	3.007	33	11.2	0.072	0.007	6.3928	

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T COUNCIL Y/92/18/DOC

180 minute summer	57	108	8.519	0.208	7.8	1.8125	0.0000SURCHARGE	Infiltration	5.002	58	8.2	0.355	0.778	0.5462
180 minute summer	58	140	8.515	0.370	9.3	3.0890	0.0000SURCHARGE	Infiltration	5.003	59	7.2	0.412	0.876	0.3808
180 minute summer	59	144	8.514	0.408	10.3	2.8122	0.0000OK	Infiltration	5.004	60	6.0	0.075	0.008	13.3492
180 minute summer	60	144	8.514	0.429	9.1	0.1458	0.0000OK	Infiltration	5.005	61	1.8	0.050	0.002	19.6938
180 minute summer	61	144	8.514	0.478	4.5	0.1628	0.0000OK	Infiltration	5.008	62	0.0	0.000	0.000	0.0000
180 minute summer	62	144	8.201	0.085	3.2	0.0222	0.0000OK	Infiltration	5.007	63	3.2	0.057	0.002	11.4858
180 minute summer	63	148	8.291	0.383	8.9	0.1240	0.0000OK	Infiltration	5.008	63_OUT	-0.8	0.028	0.000	8.9224
180 minute summer	63_OUT	148	8.201	0.430	3.2	0.1481	0.0000OK	Infiltration	5.009	65	0.5	0.053	0.000	3.8317
180 minute summer	64	188	8.560	0.375	1.5	0.0800	0.0000OK	Infiltration	8.001	66	0.3	0.044	0.000	5.1838
180 minute summer	65	188	8.560	0.435	2.2	0.0888	0.0000OK	Infiltration	5.002	67	-0.7	0.022	0.000	2.9427
180 minute summer	66	188	8.560	0.487	2.2	0.0758	0.0000OK	Infiltration	8.003	68	0.0	0.000	0.000	0.0000
180 minute summer	67	168	8.580	0.484	1.5	0.0750	0.0000OK	Infiltration	8.004	69	1.4	0.031	0.000	6.2774
180 minute summer	68	148	8.181	0.105	1.8	0.0163	0.0000OK	Infiltration	8.005	70	0.0	0.000	0.000	0.0000
180 minute summer	69	164	8.181	0.418	2.9	0.0868	0.0000OK	Infiltration	8.006	71	0.9	0.058	0.000	2.1068
180 minute summer	70	164	8.009	0.254	1.5	0.0400	0.0000OK	Infiltration	8.007	72	0.3	0.011	0.000	5.5828
180 minute summer	71	164	8.009	0.324	2.4	0.0518	0.0000OK	Infiltration	8.008	73	0.0	0.000	0.000	0.0000
180 minute summer	72	164	8.009	0.324	1.8	0.0518	0.0000OK	Infiltration	8.009	74	0.6	0.021	0.000	3.3151
180 minute summer	73	188	8.240	0.535	1.5	0.0858	0.0000OK	Infiltration	8.010	75	0.4	0.051	0.000	3.7539
180 minute summer	74	168	8.240	0.535	2.1	0.0550	0.0000OK	Infiltration	8.011	76	0.4	0.037	0.000	3.9575
180 minute summer	75	188	8.240	0.535	1.9	0.0858	0.0000OK	Infiltration	8.012	76_OUT	-0.4	0.008	0.000	4.0582
180 minute summer	76	168	8.240	0.585	1.9	0.0820	0.0000OK	Infiltration	8.012	77	0.2			
180 minute summer	77	188	8.240	0.605	1.5	0.0963	0.0000OK	Infiltration	8.012	78	0.2			

Results for 100 year +30% 180 minute winter, 428 minute analysis at 4 minute timestep. Mass balance: 97.38%

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	68	9.800	0.500	7.3	0.0000	0.0000	FLOOD RISK	1.000	2	-7.3	-0.233	-0.333	0.4853	
180 minute winter	2	68	9.800	0.550	11.1	0.0000	0.0000	FLOOD RISK	1.001	3	-11.1	-0.350	-0.500	1.1284	
180 minute winter	3	68	9.800	0.650	17.4	0.0000	0.0000	FLOOD RISK	1.002	4	-17.4	-0.555	-0.621	0.4980	
180 minute winter	4	68	9.800	0.700	22.5	0.0000	0.0000	FLOOD RISK	1.003	5	-22.5	-0.720	-0.978	0.8441	
180 minute winter	5	68	9.800	0.800	25.1	0.0000	0.0000	FLOOD RISK	1.004	6	-25.1	-0.801	-0.970	0.1621	
180 minute winter	6	68	9.800	0.900	53.0	24.7589	0.0000	FLOOD RISK	1.005	7	52.1	1.085	1.075	0.7796	
180 minute winter	7	64	9.800	1.050	78.3	12.5135	0.0000	FLOOD RISK	1.006	8	79.9	1.028	1.138	2.4923	
180 minute winter	8	68	9.800	1.250	135.7	21.6022	0.0000	FLOOD RISK	1.007	9	136.4	1.690	1.261	5.9230	
180 minute winter	9	68	9.800	1.450	231.4	31.0178	0.0000	FLOOD RISK	1.008	10	230.6	1.179	0.973	3.1360	
180 minute winter	10	68	9.800	1.500	248.6	5.8900	0.0000	FLOOD RISK	1.009	11	248.6	1.271	1.030	47.8610	
180 minute winter	11	68	9.800	1.800	248.6	0.0000	0.0000	FLOOD RISK	1.010	12	249.5	1.276	0.867	50.3276	
180 minute winter	12	36	7.750	1.900	249.8	0.0000	0.0000	FLOOD RISK	1.011	13	409.3	2.609	2.085	0.3418	
180 minute winter	13	92	9.716	0.216	409.3	0.0000	0.0000	OK	1.012	13_OUT	331.4	0.928	0.288	0.3825	
180 minute winter	13_OUT	100	8.112	0.579	331.4	0.0000	0.0000	OK	Flow through pond	49	959.4	0.677	0.000	2575.4893	
180 minute winter	14	60	9.800	0.500	3.1	0.0000	0.0000	FLOOD RISK	2.000	15	-3.1	-0.098	-0.102	0.8130	
180 minute winter	15	60	9.800	0.714	40.4	15.3396	0.0000	FLOOD RISK	2.001	16	39.6	0.823	0.822	0.9254	
180 minute winter	16	60	9.800	0.809	39.6	0.0000	0.0000	FLOOD RISK	2.002	17	40.2	0.823	0.817	0.6320	
180 minute winter	17	60	9.800	0.941	59.7	6.3596	0.0000	FLOOD RISK	2.003	18	60.2	0.787	0.770	1.5750	
180 minute winter	18	60	9.800	1.119	108.2	13.6597	0.0000	FLOOD RISK	2.004	19	105.9	0.670	0.605	5.4890	
180 minute winter	19	60	9.800	1.344	193.3	20.7552	0.0000	FLOOD RISK	2.005	20	193.0	0.967	0.979	4.0620	
180 minute winter	20	60	9.800	1.389	193.0	0.0000	0.0000	FLOOD RISK	2.006	21	193.1	1.253	0.970	0.4979	
180 minute winter	21	60	9.800	1.428	193.1	0.0000	0.0000	FLOOD RISK	2.007	22	193.2	1.172	0.324	3.7404	
180 minute winter	22	64	9.800	1.800	247.0	11.4819	0.0000	FLOOD RISK	2.008	23	247.3	1.285	0.859	53.3017	
180 minute winter	23	32	7.750	1.000	247.3	0.0000	0.0000	FLOOD RISK	2.009	24	388.2	2.616	1.977	0.3443	
180 minute winter	24	100	9.720	0.220	388.2	0.0000	0.0000	OK	2.010	24_OUT	322.3	0.825	0.290	0.4071	
180 minute winter	24_OUT	108	8.682	0.549	322.3	0.0000	0.0000	OK	Flow through pond	49	859.4	0.677	0.000	2575.4893	
180 minute winter	25	96	8.648	0.052	4.6	0.0331	0.0000	OK	3.000	26	4.6	0.029	0.256	0.2603	
180 minute winter	26	96	8.514	0.079	9.2	0.3179	0.0000	OK	3.001	27	6.5	0.084	0.535	0.3925	
									Infiltration		0.7				
180 minute winter	27	98	8.203	0.085	13.1	0.4521	0.0000	OK	3.002	28	12.1	1.101	0.601	0.3490	
									Infiltration		1.0				
180 minute winter	28	96	7.765	0.090	16.7	0.3396	0.0000	OK	3.003	29	16.0	1.273	0.679	0.5029	
									Infiltration		0.7				
180 minute winter	29	112	7.241	0.176	26.8	0.9083	0.0000	SURCHARGED	3.004	30	19.4	1.529	0.699	0.1195	
									Infiltration		1.2				
180 minute winter	30	124	7.197	0.372	29.3	0.9446	0.0000	OK	3.005	31	18.7	0.194	0.008	8.9818	
180 minute winter	31	124	7.197	0.502	19.5	0.0802	0.0000	OK	3.006	32	14.4	0.111	0.008	7.5358	
									Infiltration		2.6				

180 minute winter	32	124	7.197	0.552	15.3	0.0882	0.0000OK	3.007	33	9.1	0.071	0.036	8.7432
								Infiltration		2.0			
								Infiltration		2.1			
180 minute winter	33	124	7.197	0.422	19.6	0.0506	0.0000OK	3.008	34	7.7	0.185	0.055	5.4122
180 minute winter	34	124	7.197	0.452	8.6	0.0542	0.0000OK	3.009	35	5.2	0.179	0.032	4.7416
								Infiltration		1.8			
180 minute winter	35	124	7.197	0.522	6.1	0.0628	0.0000OK	3.010	36	2.5	0.034	0.001	8.5993
								Infiltration		1.4			
180 minute winter	36	124	7.197	0.832	3.4	0.0768	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		2.2			
180 minute winter	37	120	6.837	0.132	1.1	0.0158	0.0000OK	3.012	38	0.8	0.034	0.000	4.4685
180 minute winter	38	120	6.837	0.372	4.5	0.0448	0.0000OK	3.013	39	-3.5	-0.075	-0.002	3.1584
								Infiltration		1.4			
								Infiltration		2.0			
180 minute winter	39	120	6.637	0.182	4.9	0.0218	0.0000OK	3.014	40	-4.0	-0.254	-0.000	0.9130
								Infiltration		0.7			
180 minute winter	40	98	6.718	0.023	4.1	0.0028	0.0000OK	3.015	41	-3.2	-0.272	-0.002	0.1522
								Infiltration		0.0			
180 minute winter	41	98	6.887	0.022	3.2	0.0026	0.0000OK	3.016	42	-2.3	-0.232	-0.002	0.1275
								Infiltration		0.0			
180 minute winter	42	98	7.101	0.018	2.3	0.0026	0.0000OK	3.017	43	-1.4	-0.152	-0.001	0.1235
								Infiltration		0.0			
180 minute winter	43	98	7.183	0.020	1.5	0.0024	0.0000OK	3.018	44	-0.0	-0.074	0.000	0.5981
								Infiltration		0.0			
180 minute winter	44	98	7.234	0.009	0.9	0.0011	0.0000OK	3.019	45	0.3	0.054	0.000	0.9791
180 minute winter	45	98	7.211	0.018	1.2	0.0018	0.0000OK	3.020	46	1.2	0.141	0.001	0.1125
								Infiltration		0.0			
180 minute winter	46	98	7.142	0.017	2.1	0.0021	0.0000OK	3.021	47	2.1	0.207	0.001	0.4378
								Infiltration		0.0			
180 minute winter	47	140	7.063	0.098	3.0	0.0118	0.0000OK	3.022	48	3.0	0.123	0.001	1.8797
								Infiltration		0.1			
180 minute winter	48	140	7.063	0.288	3.9	0.0322	0.0000OK	3.023	49	2.4	0.125	0.000	2.9000
								Infiltration		0.2			
180 minute winter	49	220	7.819	-0.180	983.1	0.5000	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	7.093	0.278	3.3	0.0034	0.0000OK	3.024	54	2.1	0.144	0.001	4.4008
								Infiltration		0.3			
180 minute winter	54	144	7.093	0.438	2.8	0.0526	0.0000OK	3.025	54_OUT	0.9	0.037	0.000	7.4836
								Infiltration		0.4			
180 minute winter	54_OUT	144	7.093	0.558	1.7	0.0878	0.0000OK	Infiltration		0.5			

180 minute winter	55	148	8.658	0.213	2.4	0.0723	0.0000SURCHARGED	5.000	56	2.2	0.348	0.298	0.2948
180 minute winter	56	148	8.658	0.243	4.5	1.1373	0.0000SURCHARGED	5.001	57	3.7	0.418	0.294	0.3709
180 minute winter	57	148	8.658	0.348	6.0	1.8717	0.0000SURCHARGED	5.002	58	5.0	0.358	0.618	0.5452
180 minute winter	58	148	8.657	0.412	7.3	3.5109	0.0000SURCHARGED	5.003	59	5.7	0.341	0.789	0.3806
180 minute winter	59	148	8.657	0.452	8.0	2.9102	0.0000OK	5.004	60	4.8	0.685	0.007	15.3651
180 minute winter	60	148	8.657	0.472	7.1	0.1804	0.0000OK	5.005	61	1.9	0.055	0.002	22.4958
180 minute winter	61	148	8.657	0.521	3.8	0.1771	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
180 minute winter	62	152	8.228	0.093	2.8	0.0315	0.0000OK	5.007	63	2.4	0.673	0.001	13.1864
180 minute winter	63	148	8.228	0.392	5.4	0.1334	0.0000OK	5.008	63_OUT	-0.9	0.030	-0.001	9.8306
180 minute winter	63_OUT	148	8.228	0.463	2.4	0.1575	0.0000OK						
180 minute winter	64	178	6.591	0.468	1.1	0.0650	0.0000OK	6.000	65	0.5	0.654	0.000	4.2730
180 minute winter	65	178	6.591	0.486	1.6	0.0748	0.0000OK	6.001	66	0.4	0.650	0.000	5.7074
180 minute winter	66	178	6.591	0.498	1.5	0.0787	0.0000OK	6.002	67	-0.5	0.023	0.000	1.2382
180 minute winter	67	178	6.591	0.515	1.1	0.0799	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
180 minute winter	68	152	6.203	0.124	1.6	0.0193	0.0000OK	6.004	69	1.1	0.637	0.000	0.8452
180 minute winter	69	144	6.203	0.435	2.2	0.0897	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
180 minute winter	70	172	6.032	0.277	1.1	0.0443	0.0000OK	6.006	71	0.7	0.643	0.000	2.3418
180 minute winter	71	172	6.032	0.347	1.8	0.0555	0.0000OK	6.007	72	0.3	0.613	0.000	7.2309
180 minute winter	72	172	6.032	0.347	1.4	0.0555	0.0000OK	6.008	73	0.0	0.000	0.000	0.0100
180 minute winter	73	178	6.278	0.574	1.1	0.0919	0.0000OK	6.009	74	0.5	0.022	0.000	3.6929
180 minute winter	74	178	6.278	0.574	1.8	0.0919	0.0000OK	6.010	75	0.4	0.658	0.000	4.1818
180 minute winter	75	178	6.278	0.574	1.4	0.0918	0.0000OK	6.011	76	0.5	0.637	0.000	4.3838
180 minute winter	76	178	6.278	0.644	1.4	0.0979	0.0000OK	6.012	76_OUT	-0.3	-0.007	0.000	4.4724
180 minute winter	76_OUT	178	6.278	0.644	1.1	0.1031	0.0000OK						

Results for 100 year +30% 240 minute summer, 480 minute analysis at 4 minute timestep. Mass Balance: 97.32%

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	96	9.890	0.500	1.6	0.0009	0.0000	FLOOD RISK	1.000	2	-1.6	-0.050	-0.072	0.4853	
240 minute summer	2	96	9.800	0.550	3.1	0.0500	0.0000	FLOOD RISK	1.001	3	-3.1	-0.099	-0.158	1.1264	
240 minute summer	3	96	9.800	0.850	13.9	0.0900	0.0000	FLOOD RISK	1.002	4	-13.9	-0.533	-0.659	0.4980	
240 minute summer	4	96	9.800	0.700	16.3	0.0009	0.0000	FLOOD RISK	1.003	5	-16.3	-0.529	-0.708	0.8441	
240 minute summer	5	96	9.890	0.800	17.3	0.0000	0.0000	FLOOD RISK	1.004	6	-17.3	-0.554	-0.484	0.1621	
240 minute summer	6	96	9.800	0.900	57.4	24.9707	0.0000	FLOOD RISK	1.005	7	54.1	1.106	1.118	0.7798	
240 minute summer	7	96	9.800	1.050	78.8	12.5886	0.0000	FLOOD RISK	1.006	8	81.5	1.047	1.181	2.4923	
240 minute summer	8	96	9.890	1.250	138.2	21.7482	0.0000	FLOOD RISK	1.007	9	137.8	1.101	1.274	5.9239	
240 minute summer	9	96	9.800	1.450	235.0	31.2549	0.0000	FLOOD RISK	1.008	10	231.6	1.184	0.978	3.1360	
240 minute summer	10	96	9.800	1.590	250.7	5.7825	0.0000	FLOOD RISK	1.009	11	250.1	1.279	1.682	47.8813	
240 minute summer	11	100	9.800	1.800	256.1	0.0000	0.0000	FLOOD RISK	1.010	12	249.5	1.278	0.888	53.3278	
240 minute summer	12	48	7.750	1.000	249.5	0.0000	0.0000	FLOOD RISK	1.011	13	412.7	2.656	2.102	0.3261	
240 minute summer	13	124	8.890	0.190	412.7	0.0000	0.0000	OK	1.012	13_OUT	320.8	6.791	0.259	0.3613	
240 minute summer	13_OUT	132	8.082	0.548	320.8	0.0000	0.0000	OK	Flow through pond	49	540.1	0.058	0.000	2428.7207	
240 minute summer	14	96	9.890	0.500	1.7	0.0000	0.0000	FLOOD RISK	2.000	15	2.2	0.072	0.074	0.8135	
240 minute summer	15	96	9.890	0.714	43.8	18.0524	0.0000	FLOOD RISK	2.001	16	41.8	0.853	0.883	0.9254	
240 minute summer	16	96	9.800	0.809	41.8	0.0000	0.0000	FLOOD RISK	2.002	17	42.6	0.870	0.864	0.6320	
240 minute summer	17	96	9.800	0.941	61.0	6.8325	0.0000	FLOOD RISK	2.003	18	63.1	0.811	0.807	1.8756	
240 minute summer	18	96	9.890	1.119	111.7	14.2001	0.0000	FLOOD RISK	2.004	19	111.7	0.893	0.888	5.4893	
240 minute summer	19	100	9.800	1.344	199.2	21.4812	0.0000	FLOOD RISK	2.005	20	199.3	1.019	1.011	4.0528	
240 minute summer	20	100	9.800	1.389	199.3	0.0000	0.0000	FLOOD RISK	2.006	21	199.4	1.130	1.058	3.4979	
240 minute summer	21	100	9.800	1.428	199.4	0.0000	0.0000	FLOOD RISK	2.007	22	199.3	1.041	0.335	3.7404	
240 minute summer	22	100	9.890	1.800	255.8	11.7748	0.0000	FLOOD RISK	2.008	23	257.3	1.318	0.893	53.3017	
240 minute summer	23	44	7.750	1.000	257.3	0.0000	0.0000	FLOOD RISK	2.009	24	391.6	2.668	1.994	0.3519	
240 minute summer	24	132	9.732	0.232	391.6	0.0000	0.0000	OK	2.010	24_OUT	338.4	8.648	0.272	6.4282	
240 minute summer	24_OUT	124	8.115	0.582	338.4	0.0000	0.0000	OK	Flow through pond	49	540.1	0.058	0.000	2428.7207	
240 minute summer	25	124	8.849	0.053	4.9	0.0341	0.0000	OK	3.000	26	4.9	0.639	0.272	0.2703	
240 minute summer	26	124	8.516	0.081	9.8	0.3338	0.0000	OK	3.001	27	8.9	0.874	0.559	0.4050	
								Infiltration			0.7				
240 minute summer	27	124	8.202	0.087	13.8	0.4713	0.0000	OK	3.002	28	12.6	1.139	0.621	0.3589	
								Infiltration			1.0				
240 minute summer	28	124	7.787	0.092	17.4	0.3500	0.0000	OK	3.003	29	16.6	1.295	0.701	0.4854	
								Infiltration			0.7				
240 minute summer	29	128	7.181	0.118	21.4	0.4081	0.0000	OK	3.004	30	20.7	1.557	0.743	0.1091	
								Infiltration			0.7				
240 minute summer	30	148	7.149	0.324	21.8	0.0388	0.0000	OK	3.005	31	19.8	0.171	0.008	6.8567	
240 minute summer	31	148	7.149	0.454	20.7	0.0543	0.0000	OK	3.006	32	15.3	0.124	0.008	6.5452	
								Infiltration			2.4				
240 minute summer	32	148	7.149	0.504	18.2	0.0805	0.0000	OK	3.007	33	9.8	0.073	0.007	5.8951	

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240 minute summer	57	172	8.510	0.200	6.2	1.5488	0.0000SURCHARGE	Infiltration	5.002	58	5.1	0.329	0.832	0.5462
240 minute summer	58	172	8.509	0.364	7.5	3.0417	0.0000SURCHARGE	Infiltration	5.003	59	5.9	0.334	0.794	0.3908
240 minute summer	59	176	8.550	0.403	8.4	2.5708	0.0000OK	Infiltration	5.004	60	5.0	0.072	0.007	13.0787
240 minute summer	60	176	8.508	0.423	7.5	0.1438	0.0000OK	Infiltration	5.005	61	1.6	0.045	0.002	19.3180
240 minute summer	61	176	8.556	0.472	4.1	0.1508	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
240 minute summer	62	172	8.200	0.064	2.8	0.0217	0.0000OK	Infiltration	5.007	63	2.5	0.052	0.001	11.3895
240 minute summer	63	176	8.199	0.363	5.5	0.1238	0.0000OK	Infiltration	5.008	63_OUT	-0.7	0.024	0.000	8.8834
240 minute summer	63_OUT	176	8.199	0.434	2.8	0.1477	0.0000OK	Infiltration	5.009	64	0.5	0.050	0.000	3.7513
240 minute summer	64	196	8.554	0.389	1.2	0.0599	0.0000OK	Infiltration	5.000	65	0.2	0.044	0.000	5.0838
240 minute summer	65	196	8.554	0.429	1.8	0.0688	0.0000OK	Infiltration	5.001	66	-0.5	0.022	0.000	2.8881
240 minute summer	66	196	8.554	0.481	1.7	0.0728	0.0000OK	Infiltration	5.002	67	0.0	0.000	0.000	0.0000
240 minute summer	67	196	8.554	0.478	1.2	0.0741	0.0000OK	Infiltration	5.003	68	0.0	0.000	0.000	0.0000
240 minute summer	68	188	8.178	0.102	1.5	0.0158	0.0000OK	Infiltration	5.004	69	1.2	0.031	0.000	6.1924
240 minute summer	69	184	8.178	0.413	2.3	0.0861	0.0000OK	Infiltration	5.005	70	0.0	0.000	0.000	0.0000
240 minute summer	70	192	8.003	0.248	1.2	0.0397	0.0000OK	Infiltration	5.006	71	0.8	0.058	0.000	2.0524
240 minute summer	71	192	8.003	0.318	2.0	0.0508	0.0000OK	Infiltration	5.007	72	0.3	0.011	0.000	5.4077
240 minute summer	72	192	8.003	0.318	1.5	0.0508	0.0000OK	Infiltration	5.008	73	0.0	0.000	0.000	0.0000
240 minute summer	73	196	8.235	0.530	1.2	0.0847	0.0000OK	Infiltration	5.009	74	0.5	0.018	0.000	3.2828
240 minute summer	74	196	8.235	0.530	1.7	0.0847	0.0000OK	Infiltration	5.010	75	0.3	0.043	0.000	3.9844
240 minute summer	75	196	8.235	0.530	1.5	0.0847	0.0000OK	Infiltration	5.011	76	0.3	0.037	0.000	3.8983
240 minute summer	76	196	8.235	0.590	1.5	0.0911	0.0000OK	Infiltration	5.012	76_OUT	-0.3	0.006	0.000	3.9583
240 minute summer	76_OUT	196	8.235	0.600	1.2	0.0959	0.0000OK	Infiltration	5.013	77	0.1	0.000	0.000	0.0000

Results for 100 year +30% 240 minute winter, 480 minute analysis at 4 minute timestep. Mass balance: 97.43%

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	84	9.800	0.500	4.4	0.0000	0.0000	FLOOD RISK	1.000	2	-4.4	-0.385	-0.200	0.4853	
240 minute winter	2	84	9.800	0.550	14.8	0.0000	0.0000	FLOOD RISK	1.001	3	-14.8	-0.500	-0.735	1.1284	
240 minute winter	3	84	9.800	0.650	17.4	0.0000	0.0000	FLOOD RISK	1.002	4	-17.4	-0.555	-0.821	0.4988	
240 minute winter	4	84	9.800	0.700	18.6	0.0000	0.0000	FLOOD RISK	1.003	5	-18.6	-0.802	-0.818	0.8441	
240 minute winter	5	84	9.800	0.800	20.9	0.0000	0.0000	FLOOD RISK	1.004	6	-20.9	-0.895	-0.559	0.1621	
240 minute winter	6	84	9.800	0.900	43.6	18.9782	0.0000	FLOOD RISK	1.005	7	42.3	0.885	0.873	0.7796	
240 minute winter	7	84	9.800	1.050	65.0	9.7442	0.0000	FLOOD RISK	1.006	8	65.7	0.844	0.936	2.4823	
240 minute winter	8	84	9.800	1.250	112.4	17.1759	0.0000	FLOOD RISK	1.007	9	112.9	0.902	1.044	5.9230	
240 minute winter	9	84	9.800	1.450	191.5	25.2068	0.0000	FLOOD RISK	1.008	10	191.0	0.976	0.806	3.1360	
240 minute winter	10	84	9.800	1.500	205.6	4.8276	0.0000	FLOOD RISK	1.009	11	205.7	1.052	1.382	47.8613	
240 minute winter	11	88	9.800	1.800	205.7	0.0000	0.0000	FLOOD RISK	1.010	12	208.7	1.057	0.718	53.3276	
240 minute winter	12	44	7.750	1.900	206.7	0.0000	0.0000	FLOOD RISK	1.011	13	342.3	2.250	1.743	0.3351	
240 minute winter	13	136	9.706	0.206	342.3	0.0000	0.0000	OK	1.012	13_OUT	274.5	8.175	0.222	0.3729	
240 minute winter	13_OUT	124	8.023	0.490	274.5	0.0000	0.0000	OK	Flow through pond	49	722.3	0.672	0.000	2759.8150	
240 minute winter	14	84	9.800	0.500	3.5	0.0000	0.0000	FLOOD RISK	2.000	15	-3.5	-0.111	-0.115	0.8136	
240 minute winter	15	84	9.800	0.714	32.6	11.7039	0.0000	FLOOD RISK	2.001	16	32.3	0.746	0.686	0.9254	
240 minute winter	16	84	9.800	0.809	32.3	0.0000	0.0000	FLOOD RISK	2.002	17	32.4	0.746	0.658	0.6320	
240 minute winter	17	84	9.800	0.941	48.6	5.0593	0.0000	FLOOD RISK	2.003	18	48.9	0.725	0.625	1.6750	
240 minute winter	18	84	9.800	1.119	86.6	11.1452	0.0000	FLOOD RISK	2.004	19	86.6	0.764	0.703	5.4890	
240 minute winter	19	88	9.800	1.344	157.4	17.4407	0.0000	FLOOD RISK	2.005	20	157.3	0.844	0.798	4.0628	
240 minute winter	20	88	9.800	1.389	157.3	0.0000	0.0000	FLOOD RISK	2.006	21	157.3	1.178	0.786	3.4979	
240 minute winter	21	88	9.800	1.428	157.3	0.0000	0.0000	FLOOD RISK	2.007	22	157.4	1.093	0.284	3.7404	
240 minute winter	22	88	9.800	1.800	201.8	10.0345	0.0000	FLOOD RISK	2.008	23	206.8	1.027	0.697	53.3017	
240 minute winter	23	40	7.750	1.000	206.8	0.0000	0.0000	FLOOD RISK	2.009	24	344.8	2.385	1.756	0.3192	
240 minute winter	24	144	9.678	0.178	344.8	0.0000	0.0000	OK	2.010	24_OUT	225.7	6.617	0.182	0.2865	
240 minute winter	24_OUT	140	8.029	0.495	225.7	0.0000	0.0000	OK	Flow through pond	49	722.3	0.672	0.000	2759.8150	
240 minute winter	25	124	8.842	0.049	3.7	0.0296	0.0000	OK	3.000	26	3.7	0.597	0.206	0.2197	
240 minute winter	26	124	8.504	0.069	7.4	0.2477	0.0000	OK	3.001	27	6.7	0.821	0.425	0.3278	
									Infiltration		0.6				
240 minute winter	27	124	8.188	0.074	16.4	0.3449	0.0000	OK	3.002	28	9.6	1.671	0.474	0.2910	
									Infiltration		0.6				
240 minute winter	28	128	7.773	0.078	13.3	0.2583	0.0000	OK	3.003	29	12.6	1.251	0.535	0.3774	
									Infiltration		0.6				
240 minute winter	29	152	7.174	0.109	16.3	0.3659	0.0000	OK	3.004	30	15.9	1.408	0.670	0.1083	
									Infiltration		9.7				
240 minute winter	30	160	7.158	0.331	16.6	0.9398	0.0000	OK	3.005	31	15.4	0.178	0.008	7.9351	
240 minute winter	31	160	7.158	0.481	16.1	0.9554	0.0000	OK	3.006	32	11.9	0.125	0.097	6.8899	
									Infiltration		2.4				

240 minute winter	32	160	7.150	0.511	12.8	0.0614	0.0000OK	3.007	33	7.4	0.082	0.005	5.9419
								Infiltration		1.9			
								Infiltration		2.0			
240 minute winter	33	160	7.158	0.381	8.1	0.0458	0.0000OK	3.008	34	8.5	0.183	0.005	4.7041
240 minute winter	34	160	7.158	0.411	7.2	0.0494	0.0000OK	3.009	35	4.3	0.179	0.002	4.1739
								Infiltration		1.7			
240 minute winter	35	160	7.156	0.481	5.0	0.0578	0.0000OK	3.010	36	2.3	0.034	0.001	7.5378
								Infiltration		1.3			
240 minute winter	36	160	7.158	0.851	3.0	0.0743	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		2.1			
240 minute winter	37	152	6.603	0.098	0.8	0.0118	0.0000OK	3.012	38	0.7	0.034	0.000	3.7436
240 minute winter	38	152	6.603	0.338	4.0	0.0405	0.0000OK	3.013	39	-3.1	-0.075	-0.002	2.6881
								Infiltration		1.3			
								Infiltration		1.9			
240 minute winter	39	152	6.603	0.148	3.8	0.0177	0.0000OK	3.014	40	-3.1	-0.236	-0.002	0.7152
								Infiltration		0.5			
240 minute winter	40	132	6.715	0.020	3.2	0.0024	0.0000OK	3.015	41	-2.5	-0.248	-0.002	0.1301
								Infiltration		0.0			
240 minute winter	41	128	6.884	0.019	2.5	0.0022	0.0000OK	3.016	42	-1.8	-0.210	-0.001	0.1089
								Infiltration		0.0			
240 minute winter	42	128	7.699	0.014	1.8	0.0017	0.0000OK	3.017	43	-1.1	-0.136	-0.001	0.1058
								Infiltration		0.0			
240 minute winter	43	128	7.162	0.017	1.1	0.0020	0.0000OK	3.018	44	-0.4	-0.007	0.000	0.5824
								Infiltration		0.0			
240 minute winter	44	128	7.233	0.008	0.7	0.0010	0.0000OK	3.019	45	0.3	0.049	0.000	0.9669
240 minute winter	45	132	7.209	0.014	1.0	0.0016	0.0000OK	3.020	46	0.9	0.128	0.000	0.0981
								Infiltration		0.0			
240 minute winter	46	132	7.140	0.015	1.8	0.0018	0.0000OK	3.021	47	1.8	0.188	0.001	0.4077
								Infiltration		0.0			
240 minute winter	47	184	7.057	0.092	2.3	0.0110	0.0000OK	3.022	48	2.3	0.110	0.001	1.8037
								Infiltration		0.1			
240 minute winter	48	188	7.057	0.282	3.0	0.0314	0.0000OK	3.023	49	2.0	0.112	0.002	2.8123
								Infiltration		0.2			
240 minute winter	49	300	7.828	-0.171	781.9	0.0000	0.0000OK	Crifice	50	0.0			
								Infiltration		0.0			
240 minute winter	50	4	7.400	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	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
240 minute winter	53	188	7.057	0.272	2.7	0.0028	0.0000OK	3.024	54	1.7	0.117	0.001	4.2883
								Infiltration		0.3			
240 minute winter	54	188	7.057	0.432	2.2	0.0518	0.0000OK	3.025	54_OUT	0.0	0.037	0.000	7.3458
								Infiltration		0.3			
240 minute winter	54_OUT	188	7.057	0.552	1.3	0.0882	0.0000OK	Infiltration		0.5			

240 minute winter	55	180	8.649	0.203	2.0	0.0682	0.0000SURCHARGED	5.000	56	1.8	0.338	0.243	0.2949
240 minute winter	56	180	8.649	0.233	3.8	1.9887	0.0000SURCHARGED	5.001	57	3.2	0.395	0.253	0.3709
								Infiltration		0.3			
240 minute winter	57	180	8.649	0.339	5.0	1.8064	0.0000SURCHARGED	5.002	58	4.0	0.355	0.488	0.5452
								Infiltration		0.4			
240 minute winter	58	184	8.648	0.403	5.9	3.4178	0.0000SURCHARGED	5.003	59	4.6	0.329	0.614	0.6806
								Infiltration		0.0			
240 minute winter	59	184	8.647	0.442	6.5	2.8441	0.0000OK	5.004	60	3.9	0.674	0.005	14.9243
								Infiltration		0.5			
240 minute winter	60	184	8.647	0.482	5.8	0.1572	0.0000OK	5.005	61	1.3	0.050	0.001	21.8651
								Infiltration		0.7			
240 minute winter	61	184	8.647	0.511	3.2	0.1739	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		1.0			
240 minute winter	62	184	8.225	0.089	2.0	0.0303	0.0000OK	5.007	63	1.9	0.686	0.001	12.9710
240 minute winter	63	188	8.225	0.389	4.3	0.1323	0.0000OK	5.008	63_OUT	-0.5	0.027	0.000	9.7196
								Infiltration		0.9			
240 minute winter	63_OUT	188	8.225	0.460	2.0	0.1564	0.0000OK	Infiltration		0.5			
240 minute winter	64	224	8.610	0.425	0.9	0.0680	0.0000OK	6.000	65	0.4	0.653	0.000	4.5488
240 minute winter	65	224	6.610	0.485	1.3	0.0776	0.0000OK	6.001	66	0.3	0.650	0.000	6.9438
								Infiltration		0.2			
240 minute winter	66	224	6.610	0.517	1.3	0.0817	0.0000OK	6.002	67	-0.4	0.023	0.000	3.4223
								Infiltration		0.3			
240 minute winter	67	224	6.610	0.534	0.9	0.0828	0.0000OK	6.003	68	0.0	0.600	0.000	0.0000
								Infiltration		0.1			
240 minute winter	68	188	6.209	0.133	1.2	0.0200	0.0000OK	6.004	69	0.6	0.637	0.000	7.1030
240 minute winter	69	184	6.209	0.444	1.6	0.0710	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.4			
240 minute winter	70	208	6.041	0.286	2.2	0.0457	0.0000OK	6.006	71	3.1	0.042	0.001	2.4308
240 minute winter	71	208	6.041	0.356	8.3	0.0509	0.0000OK	6.007	72	11.7	0.147	0.008	7.4844
								Infiltration		0.1			
240 minute winter	72	208	6.041	0.356	11.7	0.0509	0.0000OK	6.008	73	11.2	0.794	0.776	0.0310
								Infiltration		0.4			
240 minute winter	73	216	6.362	0.657	11.3	0.1052	0.0000OK	6.009	74	12.4	0.022	0.008	4.5499
240 minute winter	74	348	6.362	0.657	12.4	0.1052	0.0000OK	6.010	75	12.8	0.651	0.009	5.1545
								Infiltration		0.2			
240 minute winter	75	348	6.362	0.657	12.8	0.1052	0.0000OK	6.011	76	9.7	0.034	0.003	5.3482
								Infiltration		0.2			
240 minute winter	76	348	6.362	0.727	9.7	0.1105	0.0000OK	6.012	76_OUT	5.3	0.007	0.004	5.4097
								Infiltration		0.2			
240 minute winter	76_OUT	348	6.362	0.727	5.3	0.1183	0.0000OK	Infiltration		0.2			

Results for 100 year +30% 360 minute summer, 600 minute analysis at 6 minute timestep. Mass Balance: 97.49%

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	4.4	0.0000	0.0000	FLOOD RISK	1.000	2	-4.4	-0.198	-0.200	0.4853	
360 minute summer	2	144	9.890	0.550	10.2	0.0000	0.0000	FLOOD RISK	1.001	3	-10.2	-0.338	-0.514	1.1264	
360 minute summer	3	144	9.890	0.650	11.8	0.0000	0.0000	FLOOD RISK	1.002	4	-11.8	-0.371	-0.549	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	-0.540	0.8441	
360 minute summer	5	144	9.890	0.800	13.5	0.0000	0.0000	FLOOD RISK	1.004	6	-13.5	-0.431	-0.561	0.1621	
360 minute summer	6	144	9.890	0.900	42.4	17.5865	0.0000	FLOOD RISK	1.005	7	40.4	0.825	0.833	0.7798	
360 minute summer	7	152	9.890	1.050	61.8	9.0300	0.0000	FLOOD RISK	1.006	8	62.7	0.808	0.894	2.4923	
360 minute summer	8	152	9.890	1.250	105.1	18.0195	0.0000	FLOOD RISK	1.007	9	197.2	0.858	0.991	5.9233	
360 minute summer	9	152	9.890	1.450	181.4	23.8778	0.0000	FLOOD RISK	1.008	10	179.7	0.819	0.758	3.1360	
360 minute summer	10	152	9.890	1.590	192.8	4.3551	0.0000	FLOOD RISK	1.009	11	193.3	0.908	1.368	47.8813	
360 minute summer	11	180	9.890	1.800	193.3	0.0000	0.0000	FLOOD RISK	1.010	12	192.0	0.981	0.887	53.3278	
360 minute summer	12	64	7.750	1.000	192.0	0.0000	0.0000	FLOOD RISK	1.011	13	341.9	2.373	1.741	0.3309	
360 minute summer	13	184	8.898	0.198	341.9	0.0000	0.0000	OK	1.012	13_CUT	225.8	4.708	0.183	0.3413	
360 minute summer	13_CUT	200	7.979	0.448	225.8	0.0000	0.0000	OK	Flow through pond	49	317.3	0.031	0.000	2845.4526	
360 minute summer	14	152	9.890	0.500	2.0	0.0000	0.0000	FLOOD RISK	2.000	15	-2.0	-0.082	-0.085	0.8136	
360 minute summer	15	152	9.890	0.714	32.4	11.0087	0.0000	FLOOD RISK	2.001	16	31.2	0.637	0.643	0.9254	
360 minute summer	16	152	9.890	0.809	31.2	0.0000	0.0000	FLOOD RISK	2.002	17	31.8	0.644	0.639	0.6320	
360 minute summer	17	152	9.890	0.941	46.9	4.8257	0.0000	FLOOD RISK	2.003	18	46.9	0.637	0.600	1.8750	
360 minute summer	18	152	9.890	1.119	84.9	10.7069	0.0000	FLOOD RISK	2.004	19	83.8	0.671	0.686	5.4893	
360 minute summer	19	160	9.890	1.344	152.2	18.8771	0.0000	FLOOD RISK	2.005	20	149.5	0.764	0.758	4.0528	
360 minute summer	20	180	9.890	1.389	149.5	0.0000	0.0000	FLOOD RISK	2.006	21	149.2	0.989	0.754	3.4979	
360 minute summer	21	180	9.890	1.428	149.2	0.0000	0.0000	FLOOD RISK	2.007	22	148.8	0.946	0.250	3.7404	
360 minute summer	22	160	9.890	1.800	193.5	9.7960	0.0000	FLOOD RISK	2.008	23	192.9	0.988	0.670	53.3017	
360 minute summer	23	56	7.750	1.000	192.9	0.0000	0.0000	FLOOD RISK	2.009	24	177.0	1.361	0.991	0.2923	
360 minute summer	24	192	9.531	0.131	177.0	0.0000	0.0000	OK	2.010	24_CUT	246.0	8.228	0.199	0.2898	
360 minute summer	24_CUT	192	8.015	0.482	246.0	0.0000	0.0000	OK	Flow through pond	49	317.3	0.031	0.000	2845.4526	
360 minute summer	25	184	8.842	0.042	3.7	0.0284	0.0000	OK	3.000	26	3.7	0.599	0.295	0.2183	
360 minute summer	26	184	8.503	0.068	7.4	0.2440	0.0000	OK	3.001	27	6.8	0.819	0.419	0.3238	
									Infiltration		0.6				
360 minute summer	27	184	8.180	0.073	10.3	0.3379	0.0000	OK	3.002	28	9.4	1.087	0.464	0.2868	
									Infiltration		0.8				
360 minute summer	28	184	7.772	0.077	13.1	0.2522	0.0000	OK	3.003	29	12.4	1.234	0.524	0.3593	
									Infiltration		0.6				
360 minute summer	29	184	7.154	0.088	18.1	0.2583	0.0000	OK	3.004	30	15.4	1.449	0.554	0.0848	
									Infiltration		0.8				
360 minute summer	30	216	7.098	0.271	16.1	0.0325	0.0000	OK	3.005	31	14.9	0.145	0.006	5.5703	
360 minute summer	31	216	7.096	0.401	15.6	0.0481	0.0000	OK	3.006	32	11.5	0.104	0.007	5.4845	
									Infiltration		2.2				
360 minute summer	32	216	7.098	0.451	12.2	0.0541	0.0000	OK	3.007	33	7.2	0.062	0.005	4.8142	

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360 minute summer	57	240	8.592	0.283	4.8	1.4368	0.0000SURCHARGE	Infiltration	5.002	58	3.7	0.309	0.481	0.5462
360 minute summer	58	240	8.592	0.347	5.8	2.8808	0.0000SURCHARGE	Infiltration	5.003	59	4.2	0.280	0.588	0.3908
360 minute summer	59	248	8.592	0.387	8.1	2.4558	0.0000OK	Infiltration	5.004	60	3.8	0.091	0.005	12.3307
360 minute summer	60	248	8.592	0.497	5.5	0.1383	0.0000OK	Infiltration	5.005	61	1.2	0.041	0.001	18.2871
360 minute summer	61	248	8.592	0.458	3.1	0.1550	0.0000OK	Infiltration	5.008	62	0.0	0.000	0.000	0.0000
360 minute summer	62	248	8.194	0.058	1.9	0.0196	0.0000OK	Infiltration	5.007	63	1.8	0.057	0.001	11.0358
360 minute summer	63	248	8.193	0.357	4.1	0.1215	0.0000OK	Infiltration	5.008	63_OUT	-0.5	0.025	0.000	8.8898
360 minute summer	63_OUT	248	8.193	0.420	1.9	0.1456	0.0000OK	Infiltration	5.009	64	0.3	0.042	0.000	3.5847
360 minute summer	64	264	8.541	0.358	0.9	0.0575	0.0000OK	Infiltration	8.001	65	0.2	0.042	0.000	4.8581
360 minute summer	65	264	8.541	0.418	1.3	0.0688	0.0000OK	Infiltration	5.002	67	-0.4	0.002	0.000	2.7758
360 minute summer	67	264	8.541	0.465	0.9	0.0721	0.0000OK	Infiltration	8.003	68	0.0	0.000	0.000	0.0000
360 minute summer	68	256	8.169	0.093	1.2	0.0144	0.0000OK	Infiltration	8.004	69	0.8	0.031	0.000	5.9321
360 minute summer	69	256	8.168	0.403	1.6	0.0848	0.0000OK	Infiltration	8.005	70	0.0	0.000	0.000	0.0000
360 minute summer	70	256	5.989	0.234	0.9	0.0375	0.0000OK	Infiltration	8.006	71	0.6	0.035	0.000	1.9148
360 minute summer	71	256	5.989	0.304	1.5	0.0487	0.0000OK	Infiltration	8.007	72	0.3	0.018	0.000	5.0156
360 minute summer	72	256	5.989	0.364	1.1	0.0487	0.0000OK	Infiltration	8.008	73	0.0	0.000	0.000	0.0019
360 minute summer	73	264	8.224	0.519	0.9	0.0831	0.0000OK	Infiltration	8.009	74	0.4	0.018	0.000	3.1875
360 minute summer	74	264	8.224	0.518	1.3	0.0831	0.0000OK	Infiltration	8.010	75	0.2	0.043	0.000	3.5867
360 minute summer	75	264	8.224	0.519	1.1	0.0831	0.0000OK	Infiltration	8.011	76	0.3	0.032	0.000	3.7908
360 minute summer	76	264	8.224	0.589	1.1	0.0896	0.0000OK	Infiltration	8.012	76_OUT	-0.2	0.006	0.000	3.8831
360 minute summer	76_OUT	264	8.224	0.588	0.9	0.0943	0.0000OK	Infiltration	8.013		0.1			

Results for 100 year +30% 360 minute winter, 600 minute analysis at 6 minute timestep. Mass balance: 97.67%

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)
360 minute winter	1	128	9.800	0.500	0.3	0.0000	0.0000	FLOOD RISK	1.000	2	0.3	0.009	0.010	0.4853	
360 minute winter	2	128	9.800	0.550	5.0	0.0000	0.0000	FLOOD RISK	1.001	3	-5.0	-0.311	-0.252	1.1284	
360 minute winter	3	128	9.800	0.650	11.7	0.0000	0.0000	FLOOD RISK	1.002	4	-11.7	-0.374	-0.353	0.4986	
360 minute winter	4	128	9.800	0.700	13.4	0.0000	0.0000	FLOOD RISK	1.003	5	-13.4	-0.420	-0.582	0.8441	
360 minute winter	5	128	9.800	0.800	15.0	0.0000	0.0000	FLOOD RISK	1.004	6	-15.0	-0.478	-0.401	0.1621	
360 minute winter	6	128	9.800	0.900	30.9	13.4907	0.0000	FLOOD RISK	1.005	7	30.9	0.773	0.631	0.7796	
360 minute winter	7	128	9.800	1.050	47.9	7.1457	0.0000	FLOOD RISK	1.006	8	48.0	0.723	0.684	2.4923	
360 minute winter	8	128	9.800	1.250	82.8	13.0784	0.0000	FLOOD RISK	1.007	9	83.1	0.725	0.768	5.9230	
360 minute winter	9	136	9.800	1.450	149.3	19.8942	0.0000	FLOOD RISK	1.008	10	149.5	0.718	0.593	3.1360	
360 minute winter	10	136	9.800	1.500	151.3	3.8948	0.0000	FLOOD RISK	1.009	11	151.4	0.774	1.024	47.8613	
360 minute winter	11	144	9.800	1.800	151.4	0.0000	0.0000	FLOOD RISK	1.010	12	151.4	0.774	0.526	51.3276	
360 minute winter	12	84	7.750	1.900	151.4	0.0000	0.0000	FLOOD RISK	1.011	13	151.4	1.093	0.771	0.2841	
360 minute winter	13	192	9.816	0.118	151.4	0.0000	0.0000	OK	1.012	13_OUT	151.4	4.393	0.122	0.2084	
360 minute winter	13_OUT	192	7.907	0.374	151.4	0.0000	0.0000	OK	Flow through pond	49	431.4	0.642	0.000	3008.4670	
360 minute winter	14	144	9.800	0.500	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.006	-0.008	0.8136	
360 minute winter	15	144	9.800	0.714	23.6	8.6366	0.0000	FLOOD RISK	2.001	16	23.3	0.656	0.480	0.9254	
360 minute winter	16	144	9.800	0.809	23.3	0.0000	0.0000	FLOOD RISK	2.002	17	23.4	0.680	0.475	0.6320	
360 minute winter	17	144	9.800	0.941	35.2	3.8680	0.0000	FLOOD RISK	2.003	18	35.3	0.644	0.452	1.6750	
360 minute winter	18	144	9.800	1.119	64.3	8.0438	0.0000	FLOOD RISK	2.004	19	64.1	0.693	0.509	5.4890	
360 minute winter	19	144	9.800	1.344	114.4	14.8970	0.0000	FLOOD RISK	2.005	20	114.0	0.730	0.578	4.9628	
360 minute winter	20	144	9.800	1.389	114.0	0.0000	0.0000	FLOOD RISK	2.006	21	113.9	1.025	0.570	3.4978	
360 minute winter	21	144	9.800	1.428	113.9	0.0000	0.0000	FLOOD RISK	2.007	22	113.9	0.992	0.191	3.7404	
360 minute winter	22	144	9.800	1.800	146.5	8.6796	0.0000	FLOOD RISK	2.008	23	146.3	0.751	0.508	53.3017	
360 minute winter	23	56	7.750	1.000	146.3	0.0000	0.0000	FLOOD RISK	2.009	24	146.3	1.660	0.745	0.2632	
360 minute winter	24	184	9.614	0.114	146.3	0.0000	0.0000	OK	2.010	24_OUT	146.3	4.351	0.118	0.2013	
360 minute winter	24_OUT	192	7.898	0.385	146.3	0.0000	0.0000	OK	Flow through pond	49	431.4	0.642	0.000	3008.4670	
360 minute winter	25	184	8.835	0.039	2.7	0.0251	0.0000	OK	3.000	26	2.7	0.551	0.150	0.1740	
360 minute winter	26	184	8.492	0.067	5.4	0.1799	0.0000	OK	3.001	27	4.9	0.759	0.308	0.2573	
									Infiltration		0.5				
360 minute winter	27	184	8.178	0.081	7.6	0.2453	0.0000	OK	3.002	28	6.9	0.988	0.343	0.2282	
									Infiltration		0.6				
360 minute winter	28	184	7.760	0.065	9.6	0.1857	0.0000	OK	3.003	29	9.1	1.188	0.387	0.2825	
									Infiltration		0.4				
360 minute winter	29	184	7.135	0.070	11.8	0.1801	0.0000	OK	3.004	30	11.4	1.388	0.410	0.5839	
									Infiltration		0.4				
360 minute winter	30	224	7.083	0.258	11.9	0.9309	0.0000	OK	3.005	31	11.2	0.152	0.005	5.2759	
360 minute winter	31	224	7.083	0.388	11.7	0.0435	0.0000	OK	3.006	32	8.7	0.077	0.006	5.2524	
									Infiltration		2.1				

360 minute winter	32	224	7.683	0.438	9.2	0.0525	0.0000OK	3.007	33	5.1	0.048	0.000	4.5885
								Infiltration		1.7			
								Infiltration		1.8			
360 minute winter	33	224	7.683	0.338	5.6	0.0358	0.0000OK	3.008	34	4.7	0.183	0.000	3.5138
360 minute winter	34	224	7.683	0.338	5.2	0.0405	0.0000OK	3.009	35	3.2	0.195	0.000	3.2148
								Infiltration		1.4			
360 minute winter	35	224	7.683	0.408	3.7	0.0489	0.0000OK	3.010	36	2.0	0.035	0.000	6.3621
								Infiltration		1.2			
360 minute winter	36	224	7.683	0.578	2.3	0.0658	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.9			
360 minute winter	37	208	6.555	0.050	0.5	0.0059	0.0000OK	3.012	38	0.5	0.040	0.000	2.8042
360 minute winter	38	208	6.555	0.280	3.1	0.0347	0.0000OK	3.013	39	-2.4	-0.088	-0.002	2.0317
								Infiltration		1.1			
								Infiltration		1.7			
360 minute winter	39	208	6.555	0.100	2.7	0.0120	0.0000OK	3.014	40	-2.2	-0.218	-0.000	0.4625
								Infiltration		0.3			
360 minute winter	40	184	6.711	0.018	2.3	0.0019	0.0000OK	3.015	41	-1.8	-0.218	-0.000	0.1053
								Infiltration		0.0			
360 minute winter	41	184	6.880	0.015	1.8	0.0018	0.0000OK	3.016	42	-1.3	-0.185	-0.000	0.0882
								Infiltration		0.0			
360 minute winter	42	184	7.698	0.011	1.3	0.0014	0.0000OK	3.017	43	-0.8	-0.121	-0.000	0.0859
								Infiltration		0.0			
360 minute winter	43	184	7.158	0.014	0.8	0.0017	0.0000OK	3.018	44	-0.3	-0.059	0.000	0.0671
								Infiltration		0.0			
360 minute winter	44	184	7.232	0.007	0.5	0.0008	0.0000OK	3.019	45	0.2	0.043	0.000	0.0543
360 minute winter	45	182	7.208	0.011	0.7	0.0013	0.0000OK	3.020	46	0.7	0.112	0.000	0.0778
								Infiltration		0.0			
360 minute winter	46	192	7.137	0.012	1.2	0.0015	0.0000OK	3.021	47	1.1	0.185	0.000	0.3480
								Infiltration		0.0			
360 minute winter	47	264	7.045	0.080	1.8	0.0095	0.0000OK	3.022	48	1.6	0.088	0.000	1.8576
								Infiltration		0.1			
360 minute winter	48	264	7.045	0.250	2.1	0.0300	0.0000OK	3.023	49	1.4	0.095	0.000	2.8407
								Infiltration		0.2			
360 minute winter	49	384	7.854	-0.148	468.7	0.0000	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	264	7.045	0.250	1.9	0.0012	0.0000OK	3.024	54	1.1	0.117	0.000	4.5821
								Infiltration		0.3			
360 minute winter	54	264	7.045	0.420	1.6	0.0504	0.0000OK	3.025	54_OUT	0.5	0.034	0.000	7.0775
								Infiltration		0.3			
360 minute winter	54_OUT	264	7.045	0.540	0.9	0.0848	0.0000OK	Infiltration		0.5			

360 minute winter	55	256	8.624	0.178	1.4	0.0604	0.0000SURCHARGED	5.000	56	1.4	0.308	0.183	0.2948
360 minute winter	56	256	8.823	0.267	2.8	0.8491	0.0000SURCHARGED	5.001	57	2.4	0.388	0.191	0.3709
								Infiltration		0.3			
360 minute winter	57	256	8.623	0.313	3.7	1.8365	0.0000SURCHARGED	5.002	58	2.6	0.368	0.350	0.5462
								Infiltration		0.4			
360 minute winter	58	256	8.622	0.377	4.2	3.1738	0.0000SURCHARGED	5.003	59	3.1	0.308	0.424	0.3806
								Infiltration		0.0			
360 minute winter	59	256	8.622	0.417	4.5	2.6662	0.0000OK	5.004	60	2.7	0.661	0.004	13.7076
								Infiltration		0.4			
360 minute winter	60	256	8.623	0.437	4.1	0.1486	0.0000OK	5.005	61	0.9	0.046	0.001	20.1852
								Infiltration		0.7			
360 minute winter	61	256	8.622	0.486	2.3	0.1652	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.9			
360 minute winter	62	264	8.213	0.077	1.4	0.0262	0.0000OK	5.007	63	1.4	0.656	0.001	12.2355
360 minute winter	63	264	8.213	0.377	3.0	0.1262	0.0000OK	5.008	63_OUT	-0.5	0.022	0.000	9.3272
								Infiltration		0.6			
360 minute winter	63_OUT	264	8.213	0.448	1.4	0.1524	0.0000OK	Infiltration		0.5			
360 minute winter	64	280	6.583	0.388	0.7	0.0637	0.0000OK	6.000	65	0.3	0.048	0.000	4.1585
360 minute winter	65	280	6.583	0.458	1.0	0.0733	0.0000OK	6.001	66	0.2	0.042	0.000	5.5638
								Infiltration		0.2			
360 minute winter	66	280	6.583	0.490	1.0	0.0774	0.0000OK	6.002	67	-0.3	0.021	0.000	3.1606
								Infiltration		0.2			
360 minute winter	67	280	6.583	0.507	0.7	0.0766	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
360 minute winter	68	256	6.192	0.116	0.7	0.0160	0.0000OK	6.004	69	0.6	0.022	0.000	0.8661
360 minute winter	69	264	6.192	0.427	1.2	0.0683	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.4			
360 minute winter	70	272	6.026	0.265	0.7	0.0424	0.0000OK	6.006	71	0.5	0.050	0.000	2.2188
360 minute winter	71	272	6.026	0.336	1.3	0.0536	0.0000OK	6.007	72	0.2	0.011	0.000	0.8756
								Infiltration		0.1			
360 minute winter	72	272	6.020	0.335	0.9	0.0536	0.0000OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.4			
360 minute winter	73	280	6.276	0.571	0.7	0.0914	0.0000OK	6.009	74	0.3	0.018	0.000	3.6628
360 minute winter	74	280	6.276	0.571	1.0	0.0914	0.0000OK	6.010	75	0.2	0.043	0.000	4.1477
								Infiltration		0.1			
360 minute winter	75	280	6.278	0.571	0.9	0.0914	0.0000OK	6.011	76	0.3	0.034	0.000	4.3502
								Infiltration		0.2			
360 minute winter	76	280	6.276	0.641	0.9	0.0975	0.0000OK	6.012	76_OUT	-0.2	0.005	0.000	4.4395
								Infiltration		0.2			
360 minute winter	76_OUT	280	6.278	0.641	0.7	0.1026	0.0000OK	Infiltration		0.2			

Results for 100 year +30% 480 minute summer, 720 minute analysis at 8 minute timestep, Mass Balance: 97.57%

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	200	9.890	0.500	0.4	0.0003	0.0000	FLOOD RISK	1.000	2	-0.4	-0.014	-0.020	0.4853	
480 minute summer	2	200	9.800	0.550	0.9	0.0000	0.0000	FLOOD RISK	1.001	3	-0.9	-0.028	-0.045	1.1264	
480 minute summer	3	200	9.800	0.650	0.3	0.0000	0.0000	FLOOD RISK	1.002	4	-0.3	-0.308	-0.296	0.4980	
480 minute summer	4	200	9.800	0.700	9.1	0.0003	0.0000	FLOOD RISK	1.003	5	-9.1	-0.299	-0.395	0.8441	
480 minute summer	5	200	9.890	0.800	10.0	0.0000	0.0000	FLOOD RISK	1.004	6	-10.0	-0.318	-0.268	0.1621	
480 minute summer	6	200	9.800	0.900	32.7	14.2160	0.0000	FLOOD RISK	1.005	7	32.8	0.671	0.677	0.7798	
480 minute summer	7	208	9.800	1.050	49.9	7.4998	0.0000	FLOOD RISK	1.006	8	50.5	0.648	0.720	2.4923	
480 minute summer	8	208	9.890	1.250	87.2	13.8535	0.0000	FLOOD RISK	1.007	9	86.5	0.691	0.800	5.9233	
480 minute summer	9	208	9.800	1.450	148.6	20.6568	0.0000	FLOOD RISK	1.008	10	147.7	0.755	0.623	3.1360	
480 minute summer	10	208	9.800	1.590	159.4	3.8205	0.0000	FLOOD RISK	1.009	11	159.2	0.814	1.077	47.8813	
480 minute summer	11	216	9.800	1.800	159.2	0.0000	0.0000	FLOOD RISK	1.010	12	159.2	0.814	0.553	53.3278	
480 minute summer	12	80	7.750	1.000	159.2	0.0000	0.0000	FLOOD RISK	1.011	13	159.2	1.143	0.811	0.2858	
480 minute summer	13	248	9.819	0.118	159.2	0.0000	0.0000	OK	1.012	13_CUT	159.1	4.457	0.129	0.2139	
480 minute summer	13_CUT	248	7.913	0.380	159.1	0.0000	0.0000	OK	Flow through pond	49	208.7	0.027	0.000	2807.8594	
480 minute summer	14	216	9.890	0.500	0.3	0.0000	0.0000	FLOOD RISK	2.000	15	-0.3	-0.009	-0.010	0.8135	
480 minute summer	15	216	9.890	0.714	24.6	9.1619	0.0000	FLOOD RISK	2.001	16	24.7	0.599	0.508	0.9254	
480 minute summer	16	216	9.800	0.809	24.7	0.0000	0.0000	FLOOD RISK	2.002	17	24.6	0.583	0.590	0.6320	
480 minute summer	17	216	9.800	0.941	37.5	4.1562	0.0000	FLOOD RISK	2.003	18	37.5	0.588	0.479	1.8750	
480 minute summer	18	216	9.890	1.119	68.5	9.4081	0.0000	FLOOD RISK	2.004	19	68.4	0.624	0.543	5.4893	
480 minute summer	19	216	9.800	1.344	121.8	15.1779	0.0000	FLOOD RISK	2.005	20	121.8	0.647	0.617	4.0528	
480 minute summer	20	216	9.800	1.389	121.8	0.0000	0.0000	FLOOD RISK	2.006	21	121.8	0.910	0.614	3.4979	
480 minute summer	21	216	9.800	1.428	121.8	0.0000	0.0000	FLOOD RISK	2.007	22	121.8	0.896	0.204	3.7404	
480 minute summer	22	216	9.890	1.800	155.9	9.0860	0.0000	FLOOD RISK	2.008	23	155.9	0.797	0.541	53.3017	
480 minute summer	23	72	7.750	1.000	155.9	0.0000	0.0000	FLOOD RISK	2.009	24	155.9	1.122	0.794	0.2862	
480 minute summer	24	248	9.518	0.118	155.9	0.0000	0.0000	OK	2.010	24_CUT	155.9	4.431	0.126	0.2106	
480 minute summer	24_CUT	248	7.909	0.375	155.9	0.0000	0.0000	OK	Flow through pond	49	208.7	0.027	0.000	2807.8594	
480 minute summer	25	248	8.835	0.040	2.8	0.0250	0.0000	OK	3.000	26	2.8	0.558	0.198	0.1793	
480 minute summer	26	248	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				
480 minute summer	27	248	8.170	0.063	7.9	0.2571	0.0000	OK	3.002	28	7.2	1.009	0.358	0.2363	
									Infiltration		0.7				
480 minute summer	28	248	7.781	0.095	10.0	0.1945	0.0000	OK	3.003	29	8.6	1.170	0.406	0.2938	
									Infiltration		0.5				
480 minute summer	29	248	7.140	0.075	12.4	0.1910	0.0000	OK	3.004	30	12.0	1.409	0.431	0.0777	
									Infiltration		0.4				
480 minute summer	30	280	7.040	0.215	12.5	0.0258	0.0000	OK	3.005	31	11.7	0.138	0.005	4.3538	
480 minute summer	31	280	7.040	0.245	12.2	0.0414	0.0000	OK	3.006	32	9.1	0.081	0.005	4.4887	
									Infiltration		1.8				
480 minute summer	32	280	7.040	0.395	9.8	0.0474	0.0000	OK	3.007	33	5.5	0.557	0.094	3.8704	

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480 minute summer	57	304	8.571	0.281	4.1	1.2908	0.0000SURCHARGE	Infiltration	5.002	58	3.3	0.309	0.407	0.5462
480 minute summer	58	312	8.570	0.325	4.8	2.6711	0.0000SURCHARGE	Infiltration	5.003	59	3.8	0.272	0.479	0.3908
480 minute summer	59	312	8.570	0.385	5.1	2.3038	0.0000OK	Infiltration	5.004	60	3.0	0.059	0.004	11.3739
480 minute summer	60	312	8.570	0.385	4.5	0.1310	0.0000OK	Infiltration	5.005	61	1.0	0.030	0.001	10.9835
480 minute summer	61	312	8.570	0.434	2.5	0.1478	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
480 minute summer	62	312	8.182	0.046	1.5	0.0157	0.0000OK	Infiltration	5.007	63	1.5	0.048	0.001	10.3887
480 minute summer	63	312	8.182	0.348	3.2	0.1177	0.0000OK	Infiltration	5.008	63_OUT	-0.3	0.019	0.000	8.3355
480 minute summer	63_OUT	312	8.182	0.417	1.5	0.1418	0.0000OK	Infiltration	5.009	64	0.3	0.042	0.000	3.4994
480 minute summer	64	328	8.535	0.350	6.7	0.0565	0.0000OK	Infiltration	5.000	65	0.2	0.042	0.000	4.7525
480 minute summer	65	328	8.535	0.410	1.0	0.0658	0.0000OK	Infiltration	5.001	66	-0.3	0.002	0.000	2.7182
480 minute summer	66	328	8.535	0.442	0.7	0.0711	0.0000OK	Infiltration	5.002	67	0.0	0.000	0.000	0.0000
480 minute summer	67	328	8.163	0.087	0.7	0.0135	0.0000OK	Infiltration	5.003	68	0.7	0.031	0.000	5.7891
480 minute summer	68	320	5.979	0.224	0.7	0.0359	0.0000OK	Infiltration	5.004	69	0.0	0.000	0.000	0.0000
480 minute summer	69	320	5.979	0.294	1.2	0.0471	0.0000OK	Infiltration	5.005	70	0.3	0.035	0.000	1.8212
480 minute summer	70	320	5.979	0.294	0.9	0.0471	0.0000OK	Infiltration	5.006	71	0.2	0.016	0.000	3.1374
480 minute summer	71	320	5.979	0.294	0.9	0.0471	0.0000OK	Infiltration	5.007	72	0.2	0.043	0.000	3.5527
480 minute summer	72	320	5.979	0.294	0.9	0.0471	0.0000OK	Infiltration	5.008	73	0.3	0.032	0.000	3.7568
480 minute summer	73	328	8.221	0.516	0.7	0.0826	0.0000OK	Infiltration	5.009	74	0.1	0.000	0.000	0.0000
480 minute summer	74	328	8.221	0.516	0.9	0.0826	0.0000OK	Infiltration	5.010	75	0.3	0.016	0.000	3.1374
480 minute summer	75	328	8.221	0.516	0.9	0.0826	0.0000OK	Infiltration	5.011	76	0.3	0.032	0.000	3.7568
480 minute summer	76	328	8.221	0.586	0.7	0.0938	0.0000OK	Infiltration	5.012	76_OUT	-0.2	0.006	0.000	3.8501
480 minute summer	76_OUT	328	8.221	0.586	0.7	0.0938	0.0000OK	Infiltration	5.013	77	0.1	0.000	0.000	0.0000

Results for 100 year +30% 480 minute winter, 720 minute analysis at 8 minute timestep. Mass balance: 97.77%

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)
480 minute winter	1	184	9.800	0.500	0.2	0.0000	0.0000	FLOOD RISK	1.000	2	0.5	-0.087	0.024	0.4853	
480 minute winter	2	184	9.800	0.550	7.2	0.0000	0.0000	FLOOD RISK	1.001	3	-7.2	-0.329	-0.383	1.1284	
480 minute winter	3	184	9.800	0.650	9.5	0.0000	0.0000	FLOOD RISK	1.002	4	-9.5	-0.303	-0.448	0.4986	
480 minute winter	4	184	9.800	0.700	10.0	0.0000	0.0000	FLOOD RISK	1.003	5	-10.0	-0.321	-0.438	0.8441	
480 minute winter	5	184	9.800	0.800	10.8	0.0000	0.0000	FLOOD RISK	1.004	6	-10.8	-0.344	-0.298	0.1621	
480 minute winter	6	184	9.800	0.900	24.3	10.8728	0.0000	FLOOD RISK	1.005	7	24.3	0.698	0.500	0.7796	
480 minute winter	7	184	9.800	1.050	38.1	5.8025	0.0000	FLOOD RISK	1.006	8	38.1	0.683	0.543	2.4823	
480 minute winter	8	192	9.800	1.250	66.3	11.1086	0.0000	FLOOD RISK	1.007	9	66.1	0.685	0.611	5.9230	
480 minute winter	9	192	9.800	1.450	112.3	17.3126	0.0000	FLOOD RISK	1.008	10	112.2	0.643	0.473	3.1360	
480 minute winter	10	192	9.800	1.500	120.9	3.2254	0.0000	FLOOD RISK	1.009	11	120.9	0.627	0.818	47.8613	
480 minute winter	11	208	9.800	1.800	120.9	0.0000	0.0000	FLOOD RISK	1.010	12	120.8	0.639	0.420	53.3276	
480 minute winter	12	72	7.750	1.900	120.8	0.0000	0.0000	FLOOD RISK	1.011	13	120.8	0.691	0.615	0.2778	
480 minute winter	13	248	9.804	0.104	120.8	0.0000	0.0000	OK	1.012	13_OUT	120.8	4.115	0.098	0.1759	
480 minute winter	13_OUT	488	7.880	0.346	120.8	0.0000	0.0000	OK	Flow through pond	49	352.9	0.631	0.000	3190.0259	
480 minute winter	14	200	9.800	0.500	0.5	0.0000	0.0000	FLOOD RISK	2.000	15	-0.5	-0.016	-0.017	0.8136	
480 minute winter	15	200	9.800	0.714	18.6	7.1291	0.0000	FLOOD RISK	2.001	16	18.6	0.605	0.380	0.9254	
480 minute winter	16	208	9.800	0.809	18.6	0.0000	0.0000	FLOOD RISK	2.002	17	18.6	0.607	0.377	0.6320	
480 minute winter	17	208	9.800	0.941	26.2	3.4188	0.0000	FLOOD RISK	2.003	18	26.2	0.600	0.380	1.6750	
480 minute winter	18	208	9.800	1.119	51.3	7.9732	0.0000	FLOOD RISK	2.004	19	51.3	0.636	0.407	5.4890	
480 minute winter	19	208	9.800	1.344	91.0	13.2990	0.0000	FLOOD RISK	2.005	20	90.9	0.673	0.461	4.0628	
480 minute winter	20	208	9.800	1.389	90.9	0.0000	0.0000	FLOOD RISK	2.006	21	90.9	0.946	0.460	3.4979	
480 minute winter	21	216	9.800	1.428	90.9	0.0000	0.0000	FLOOD RISK	2.007	22	90.9	0.923	0.153	3.7404	
480 minute winter	22	216	9.800	1.800	116.5	8.2575	0.0000	FLOOD RISK	2.008	23	116.5	0.615	0.405	53.3017	
480 minute winter	23	64	7.750	1.000	116.5	0.0000	0.0000	FLOOD RISK	2.009	24	116.5	0.862	0.594	0.2771	
480 minute winter	24	248	9.802	0.102	116.5	0.0000	0.0000	OK	2.010	24_OUT	116.5	4.672	0.094	0.1713	
480 minute winter	24_OUT	472	7.678	0.345	116.5	0.0000	0.0000	OK	Flow through pond	49	352.9	0.631	0.000	3190.0259	
480 minute winter	25	248	8.831	0.035	2.1	0.0221	0.0000	OK	3.000	26	2.1	0.517	0.117	0.1450	
480 minute winter	26	248	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				
480 minute winter	27	248	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				
480 minute winter	28	248	7.751	0.056	7.5	0.1496	0.0000	OK	3.003	29	7.1	1.093	0.300	0.2328	
									Infiltration		0.4				
480 minute winter	29	240	7.125	0.053	9.2	0.1403	0.0000	OK	3.004	30	8.9	1.321	0.320	0.5689	
									Infiltration		0.3				
480 minute winter	30	288	7.015	0.190	9.3	0.9226	0.0000	OK	3.005	31	8.9	0.158	0.004	3.8363	
480 minute winter	31	288	7.014	0.319	9.3	0.9383	0.0000	OK	3.006	32	7.0	0.104	0.004	4.9574	
									Infiltration		1.8				

480 minute winter	32	288	7.614	0.389	7.4	0.0443	0.0000OK	3.007	33	3.9	0.048	0.000	3.4874
								Infiltration		1.5			
								Infiltration		1.8			
480 minute winter	33	288	7.614	0.239	4.3	0.0267	0.0000OK	3.008	34	3.6	0.154	0.000	2.5408
480 minute winter	34	288	7.614	0.289	4.2	0.0323	0.0000OK	3.009	35	2.6	0.153	0.001	2.4230
								Infiltration		1.2			
480 minute winter	35	288	7.614	0.339	3.0	0.0407	0.0000OK	3.010	36	1.5	0.035	0.000	5.1211
								Infiltration		1.0			
480 minute winter	36	288	7.614	0.509	1.9	0.0501	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.7			
480 minute winter	37	272	6.517	0.012	0.4	0.0015	0.0000OK	3.012	38	0.4	0.040	0.000	2.1511
480 minute winter	38	272	6.517	0.252	2.7	0.0303	0.0000OK	3.013	39	-2.0	-0.088	-0.001	1.5851
								Infiltration		1.0			
								Infiltration		1.5			
480 minute winter	39	272	6.517	0.082	2.2	0.0075	0.0000OK	3.014	40	-1.6	-0.215	-0.001	0.2886
								Infiltration		0.2			
480 minute winter	40	240	6.708	0.014	1.8	0.0017	0.0000OK	3.015	41	-1.4	-0.200	-0.001	0.6918
								Infiltration		0.0			
480 minute winter	41	240	6.878	0.013	1.4	0.0016	0.0000OK	3.016	42	-1.0	-0.188	-0.001	0.9793
								Infiltration		0.0			
480 minute winter	42	240	7.695	0.010	1.0	0.0012	0.0000OK	3.017	43	-0.5	-0.111	0.000	0.9748
								Infiltration		0.0			
480 minute winter	43	240	7.157	0.012	0.8	0.0015	0.0000OK	3.018	44	-0.2	-0.054	0.000	0.5585
								Infiltration		0.0			
480 minute winter	44	240	7.231	0.006	0.4	0.0007	0.0000OK	3.019	45	0.2	0.038	0.000	0.9473
480 minute winter	45	248	7.205	0.010	0.5	0.0012	0.0000OK	3.020	46	0.5	0.103	0.000	0.0978
								Infiltration		0.0			
480 minute winter	46	248	7.136	0.011	0.9	0.0013	0.0000OK	3.021	47	0.9	0.151	0.000	0.2449
								Infiltration		0.0			
480 minute winter	47	336	7.021	0.056	1.3	0.0068	0.0000OK	3.022	48	1.3	0.677	0.000	1.3926
								Infiltration		0.0			
480 minute winter	48	336	7.021	0.226	1.7	0.0272	0.0000OK	3.023	49	1.1	0.088	0.001	2.3272
								Infiltration		0.2			
480 minute winter	49	640	7.874	-0.126	393.1	0.5000	0.0000OK	Crifice	50	0.0			
								Infiltration		0.0			
480 minute winter	50	8	7.403	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	7.208	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
480 minute winter	53	336	7.021	0.236	1.5	0.0284	0.0000OK	3.024	54	1.0	0.117	0.000	3.7185
								Infiltration		0.3			
480 minute winter	54	336	7.021	0.386	1.3	0.0476	0.0000OK	3.025	54_OUT	0.5	0.634	0.000	0.5807
								Infiltration		0.3			
480 minute winter	54_OUT	336	7.021	0.516	0.8	0.0626	0.0000OK	Infiltration		0.4			

480 minute winter	55	328	8.596	0.150	1.1	0.0511	0.0000SURCHARGED	5.009	56	1.1	0.288	0.148	0.2948
480 minute winter	56	328	8.596	0.160	2.2	0.6029	0.0000SURCHARGED	5.001	57	1.8	0.348	0.147	0.3709
								Infiltration		0.2			
480 minute winter	57	328	8.598	0.286	2.8	1.4572	0.0000SURCHARGED	5.002	58	2.2	0.296	0.275	0.5462
								Infiltration		0.3			
480 minute winter	58	328	8.595	0.350	3.3	2.9108	0.0000SURCHARGED	5.003	59	2.5	0.279	0.335	0.3806
								Infiltration		0.0			
480 minute winter	59	336	8.595	0.390	3.6	2.4769	0.0000OK	5.004	60	2.1	0.660	0.003	12.4652
								Infiltration		0.4			
480 minute winter	60	336	8.595	0.410	3.2	0.1394	0.0000OK	5.005	61	0.8	0.039	0.091	18.4731
								Infiltration		0.6			
480 minute winter	61	336	8.595	0.459	1.9	0.1586	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.9			
480 minute winter	62	336	8.203	0.084	1.1	0.0217	0.0000OK	5.007	63	1.1	0.654	0.001	11.4213
480 minute winter	63	336	8.200	0.384	2.3	0.1237	0.0000OK	5.008	63_OUT	-0.4	0.021	0.000	8.8994
								Infiltration		0.6			
480 minute winter	63_OUT	336	8.200	0.435	1.1	0.1479	0.0000OK	Infiltration		0.5			
480 minute winter	64	360	6.579	0.394	0.5	0.0631	0.0000OK	6.000	65	0.3	0.048	0.000	4.9999
480 minute winter	65	360	6.579	0.454	0.6	0.0727	0.0000OK	6.001	66	0.2	0.042	0.000	5.4942
								Infiltration		0.2			
480 minute winter	66	360	6.579	0.486	0.7	0.0796	0.0000OK	6.002	67	-0.2	0.021	0.000	3.1236
								Infiltration		0.2			
480 minute winter	67	360	6.579	0.503	0.5	0.0760	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
480 minute winter	68	352	6.164	0.108	0.5	0.0167	0.0000OK	6.004	69	0.5	0.022	0.000	0.3660
480 minute winter	69	344	6.164	0.419	1.0	0.0876	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.4			
480 minute winter	70	352	6.010	0.265	0.5	0.0409	0.0000OK	6.006	71	0.4	0.050	0.000	2.1221
480 minute winter	71	352	6.010	0.325	0.9	0.0621	0.0000OK	6.007	72	0.2	0.011	0.000	6.6066
								Infiltration		0.1			
480 minute winter	72	352	6.010	0.325	0.7	0.0521	0.0000OK	6.008	73	0.0	0.000	0.000	0.0097
								Infiltration		0.4			
480 minute winter	73	360	6.277	0.572	0.5	0.0918	0.0000OK	6.009	74	0.3	0.018	0.000	3.6739
480 minute winter	74	360	6.277	0.572	0.8	0.0918	0.0000OK	6.010	75	0.2	0.043	0.000	4.1602
								Infiltration		0.1			
480 minute winter	75	360	6.277	0.572	0.7	0.0916	0.0000OK	6.011	76	0.3	0.034	0.000	4.3627
								Infiltration		0.2			
480 minute winter	76	360	6.277	0.642	0.8	0.0977	0.0000OK	6.012	76_OUT	-0.1	0.005	0.000	4.4517
								Infiltration		0.2			
480 minute winter	76_OUT	360	6.277	0.642	0.5	0.1028	0.0000OK	Infiltration		0.2			

Results for 100 year +30% 600 minute summer, 640 minute analysis at 15 minute timestep. Mass balance: 87.63%

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	270	9.890	0.500	0.2	0.0000	0.0000	FLOOD RISK	1.000	2	0.3	0.009	0.014	0.4853	
600 minute summer	2	270	9.890	0.550	0.5	0.0500	0.0000	FLOOD RISK	1.001	3	0.5	0.017	0.027	1.1264	
600 minute summer	3	270	9.890	0.650	0.8	0.0900	0.0000	FLOOD RISK	1.002	4	-0.8	-0.025	-0.037	0.4980	
600 minute summer	4	270	9.890	0.700	1.0	0.0000	0.0000	FLOOD RISK	1.003	5	-1.0	-0.114	-0.045	0.8441	
600 minute summer	5	270	9.890	0.800	3.1	0.0000	0.0000	FLOOD RISK	1.004	6	-3.1	-0.128	-0.084	0.1621	
600 minute summer	6	270	9.890	0.900	26.3	11.6792	0.0000	FLOOD RISK	1.005	7	26.1	0.623	0.538	0.7798	
600 minute summer	7	270	9.890	1.050	41.3	5.2858	0.0000	FLOOD RISK	1.006	8	41.2	0.618	0.587	2.4923	
600 minute summer	8	270	9.890	1.250	71.5	11.7181	0.0000	FLOOD RISK	1.007	9	71.5	0.618	0.681	5.9233	
600 minute summer	9	270	9.890	1.450	121.5	18.1157	0.0000	FLOOD RISK	1.008	10	121.4	0.621	0.512	3.1368	
600 minute summer	10	270	9.890	1.590	130.8	3.3885	0.0000	FLOOD RISK	1.009	11	130.8	0.669	0.985	47.8813	
600 minute summer	11	285	9.890	1.800	139.8	0.0000	0.0000	FLOOD RISK	1.010	12	139.8	0.668	0.454	53.3278	
600 minute summer	12	105	7.750	1.000	139.8	0.0000	0.0000	FLOOD RISK	1.011	13	139.8	0.958	0.686	0.2798	
600 minute summer	13	315	9.808	0.168	139.8	0.0000	0.0000	OK	1.012	13_CUT	139.8	4.212	0.198	0.1880	
600 minute summer	13_CUT	315	7.675	0.341	139.8	0.0000	0.0000	OK	Flow through pond	49	160.9	0.020	0.000	2930.0342	
600 minute summer	14	285	9.890	0.500	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.006	-0.007	0.8135	
600 minute summer	15	285	9.890	0.714	20.1	7.5513	0.0000	FLOOD RISK	2.001	16	20.1	0.548	0.415	0.9254	
600 minute summer	16	285	9.890	0.809	20.1	0.0000	0.0000	FLOOD RISK	2.002	17	20.1	0.551	0.468	0.6320	
600 minute summer	17	285	9.890	0.941	30.4	3.5829	0.0000	FLOOD RISK	2.003	18	30.4	0.558	0.389	1.6750	
600 minute summer	18	285	9.890	1.119	55.3	8.2932	0.0000	FLOOD RISK	2.004	19	55.3	0.586	0.439	5.4893	
600 minute summer	19	285	9.890	1.344	98.2	13.6808	0.0000	FLOOD RISK	2.005	20	98.2	0.611	0.498	4.0528	
600 minute summer	20	285	9.890	1.389	98.2	0.0000	0.0000	FLOOD RISK	2.006	21	98.2	0.842	0.496	3.4979	
600 minute summer	21	285	9.890	1.428	98.2	0.0000	0.0000	FLOOD RISK	2.007	22	98.2	0.816	0.185	3.7404	
600 minute summer	22	285	9.890	1.800	125.9	8.4445	0.0000	FLOOD RISK	2.008	23	125.9	0.644	0.437	53.3017	
600 minute summer	23	90	7.750	1.000	125.9	0.0000	0.0000	FLOOD RISK	2.009	24	125.9	0.925	0.641	0.2790	
600 minute summer	24	315	9.508	0.195	125.9	0.0000	0.0000	OK	2.010	24_CUT	125.9	4.165	0.192	0.1808	
600 minute summer	24_CUT	315	7.667	0.334	125.9	0.0000	0.0000	OK	Flow through pond	49	160.9	0.020	0.000	2930.0342	
600 minute summer	25	315	8.832	0.602	2.3	0.0232	0.0000	OK	3.000	26	2.3	0.530	0.128	0.1650	
600 minute summer	26	315	8.488	0.053	4.8	0.1547	0.0000	OK	3.001	27	4.2	0.729	0.283	0.2287	
								Infiltration			0.4				
600 minute summer	27	315	8.171	0.058	6.5	0.2093	0.0000	OK	3.002	28	5.9	0.948	0.292	0.2029	
								Infiltration			0.6				
600 minute summer	28	315	7.754	0.059	8.2	0.1598	0.0000	OK	3.003	29	7.8	1.108	0.331	0.2527	
								Infiltration			0.4				
600 minute summer	29	315	7.132	0.067	10.1	0.1583	0.0000	OK	3.004	30	9.7	1.356	0.350	0.0585	
								Infiltration			0.4				
600 minute summer	30	345	8.995	0.170	10.1	0.0204	0.0000	OK	3.005	31	9.7	0.138	0.004	3.4862	
600 minute summer	31	345	8.995	0.200	10.1	0.0363	0.0000	OK	3.006	32	7.6	0.081	0.004	3.7444	
								Infiltration			1.8				
600 minute summer	32	345	8.995	0.350	8.0	0.0420	0.0000	OK	3.007	33	4.4	0.550	0.093	3.1758	

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600 minute summer	57	390	8.559	0.249	3.4	1.2145	0.0000SURCHARGED	Infiltration	5.002	58	2.6	0.299	0.322	0.5462
600 minute summer	58	390	8.559	0.314	3.8	2.5808	0.0000SURCHARGED	Infiltration	5.003	59	2.8	0.272	0.373	0.3908
600 minute summer	59	390	8.559	0.354	4.0	2.2232	0.0000OK	Infiltration	5.004	60	2.3	0.048	0.003	10.8775
600 minute summer	60	390	8.559	0.374	3.5	0.1270	0.0000OK	Infiltration	5.005	61	0.8	0.030	0.001	16.2756
600 minute summer	61	390	8.559	0.423	2.0	0.1437	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
600 minute summer	62	390	8.177	0.041	1.2	0.0158	0.0000OK	Infiltration	5.007	63	1.2	0.044	0.001	10.0812
600 minute summer	63	390	8.177	0.341	2.9	0.1159	0.0000OK	Infiltration	5.008	63_OUT	0.2	0.018	0.000	8.1735
600 minute summer	63_OUT	390	8.177	0.412	1.2	0.1400	0.0000OK	Infiltration	5.009	64	0.3	0.040	0.000	3.7858
600 minute summer	64	405	8.558	0.371	0.8	0.0594	0.0000OK	Infiltration	8.000	65	0.2	0.023	0.000	5.1088
600 minute summer	65	405	8.558	0.431	0.9	0.0689	0.0000OK	Infiltration	8.001	66	-0.2	0.002	0.000	2.9117
600 minute summer	66	405	8.558	0.483	0.8	0.0732	0.0000OK	Infiltration	8.002	67	0.0	0.000	0.000	0.0000
600 minute summer	67	405	8.558	0.480	0.6	0.0745	0.0000OK	Infiltration	8.003	68	0.0	0.000	0.000	0.0000
600 minute summer	68	390	8.174	0.098	0.8	0.0152	0.0000OK	Infiltration	8.004	69	0.5	0.018	0.000	6.0848
600 minute summer	69	390	8.174	0.408	1.1	0.0854	0.0000OK	Infiltration	8.005	70	0.0	0.000	0.000	0.0000
600 minute summer	70	390	5.991	0.236	0.8	0.0378	0.0000OK	Infiltration	8.006	71	0.4	0.023	0.000	1.9348
600 minute summer	71	390	5.991	0.308	1.0	0.0495	0.0000OK	Infiltration	8.007	72	0.2	0.009	0.000	5.0727
600 minute summer	72	390	5.991	0.368	0.8	0.0490	0.0000OK	Infiltration	8.008	73	0.0	0.000	0.000	0.0000
600 minute summer	73	405	8.252	0.547	0.8	0.0875	0.0000OK	Infiltration	8.009	74	0.3	0.018	0.000	3.4263
600 minute summer	74	405	8.252	0.547	0.9	0.0875	0.0000OK	Infiltration	8.010	75	0.2	0.042	0.000	3.8794
600 minute summer	75	405	8.252	0.547	0.8	0.0875	0.0000OK	Infiltration	8.011	76	0.3	0.021	0.000	4.0828
600 minute summer	76	405	8.252	0.817	0.8	0.0938	0.0000OK	Infiltration	8.012	76_OUT	-0.1	0.004	0.000	4.1785
600 minute summer	76_OUT	405	8.252	0.817	0.8	0.0987	0.0000OK	Infiltration	8.013	77	0.2			

Results for 100 year +30% 600 minute winter, 848 minute analysis at 15 minute timestep, Mass balance: 97.87%

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)
600 minute winter	1	255	9.800	0.500	3.4	0.0000	0.0000	FLOOD RISK	1.000	2	-3.4	-0.222	-0.154	0.4853	
600 minute winter	2	255	9.800	0.550	6.8	0.0000	0.0000	FLOOD RISK	1.001	3	-6.8	-0.238	-0.343	1.1284	
600 minute winter	3	255	9.800	0.650	8.2	0.0000	0.0000	FLOOD RISK	1.002	4	-8.2	-0.263	-0.389	0.4986	
600 minute winter	4	255	9.800	0.700	9.6	0.0000	0.0000	FLOOD RISK	1.003	5	-9.6	-0.285	-0.399	0.8441	
600 minute winter	5	255	9.800	0.800	9.7	0.0000	0.0000	FLOOD RISK	1.004	6	-9.7	-0.305	-0.258	0.1621	
600 minute winter	6	255	9.800	0.900	20.1	9.3017	0.0000	FLOOD RISK	1.005	7	20.1	0.687	0.415	0.7796	
600 minute winter	7	255	9.800	1.050	31.7	5.1517	0.0000	FLOOD RISK	1.006	8	31.7	0.623	0.451	2.4823	
600 minute winter	8	255	9.800	1.250	55.0	9.8055	0.0000	FLOOD RISK	1.007	9	55.0	0.623	0.508	5.9230	
600 minute winter	9	255	9.800	1.450	83.2	15.7242	0.0000	FLOOD RISK	1.008	10	83.1	0.605	0.393	3.1360	
600 minute winter	10	270	9.800	1.500	100.3	2.9426	0.0000	FLOOD RISK	1.009	11	100.3	0.591	0.679	47.8613	
600 minute winter	11	300	9.800	1.800	100.3	0.0000	0.0000	FLOOD RISK	1.010	12	100.3	0.595	0.348	53.3276	
600 minute winter	12	90	7.750	1.900	100.3	0.0000	0.0000	FLOOD RISK	1.011	13	100.3	0.752	0.511	0.2733	
600 minute winter	13	315	9.595	0.995	100.3	0.0000	0.0000	OK	1.012	13_OUT	100.3	3.894	0.081	0.1544	
600 minute winter	13_OUT	615	7.895	0.382	100.3	0.0000	0.0000	OK	Flow through pond	49	265.3	0.622	0.000	3329.9348	
600 minute winter	14	285	9.800	0.500	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	0.1	0.003	0.003	0.8136	
600 minute winter	15	285	9.800	0.714	15.3	6.1486	0.0000	FLOOD RISK	2.001	16	15.3	0.585	0.316	0.9254	
600 minute winter	16	285	9.800	0.809	15.3	0.0000	0.0000	FLOOD RISK	2.002	17	15.3	0.587	0.311	0.6329	
600 minute winter	17	285	9.800	0.941	23.2	3.0596	0.0000	FLOOD RISK	2.003	18	23.2	0.574	0.297	1.6750	
600 minute winter	18	285	9.800	1.119	42.3	7.2701	0.0000	FLOOD RISK	2.004	19	42.3	0.604	0.336	5.4890	
600 minute winter	19	300	9.800	1.344	75.2	12.3216	0.0000	FLOOD RISK	2.005	20	75.2	0.831	0.351	4.0626	
600 minute winter	20	300	9.800	1.389	75.2	0.0000	0.0000	FLOOD RISK	2.006	21	75.2	0.858	0.350	3.4979	
600 minute winter	21	300	9.800	1.428	75.2	0.0000	0.0000	FLOOD RISK	2.007	22	75.2	0.873	0.126	3.7404	
600 minute winter	22	300	9.800	1.800	96.4	7.8376	0.0000	FLOOD RISK	2.008	23	96.4	0.588	0.335	53.3017	
600 minute winter	23	90	7.750	1.000	96.4	0.0000	0.0000	FLOOD RISK	2.009	24	96.4	0.725	0.491	0.2726	
600 minute winter	24	315	9.593	0.093	96.4	0.0000	0.0000	OK	2.010	24_OUT	96.4	3.848	0.078	0.1500	
600 minute winter	24_OUT	615	7.895	0.381	96.4	0.0000	0.0000	OK	Flow through pond	49	265.3	0.622	0.000	3329.9348	
600 minute winter	25	315	8.827	0.031	1.7	0.0199	0.0000	OK	3.000	26	1.7	0.489	0.095	0.1240	
600 minute winter	26	315	8.480	0.045	3.4	0.1189	0.0000	OK	3.001	27	3.0	0.671	0.192	0.1812	
								Infiltration			0.4				
600 minute winter	27	315	8.162	0.047	4.7	0.1538	0.0000	OK	3.002	28	4.3	0.869	0.212	0.1606	
								Infiltration			0.5				
600 minute winter	28	315	7.745	0.050	6.0	0.1196	0.0000	OK	3.003	29	5.7	1.023	0.240	0.1936	
								Infiltration			0.3				
600 minute winter	29	315	7.121	0.056	7.4	0.1144	0.0000	OK	3.004	30	7.1	1.254	0.255	0.5387	
								Infiltration			0.3				
600 minute winter	30	360	6.953	0.134	7.4	0.0161	0.0000	OK	3.005	31	7.2	0.135	0.093	2.8065	
600 minute winter	31	360	6.959	0.284	7.5	0.0317	0.0000	OK	3.006	32	5.7	0.085	0.093	3.1832	
								Infiltration			1.6				

600 minute winter	32	360	6.959	0.314	6.6	0.0377	0.0000OK	3.007	33	3.1	0.043	0.000	2.8548
								Infiltration		1.3			
								Infiltration		1.4			
600 minute winter	33	360	6.959	0.184	3.4	0.0221	0.0000OK	3.008	34	3.1	0.157	0.002	1.8418
600 minute winter	34	360	6.959	0.214	3.4	0.0257	0.0000OK	3.009	35	2.2	0.149	0.001	1.8478
								Infiltration		1.1			
600 minute winter	35	360	6.958	0.284	2.5	0.0341	0.0000OK	3.010	36	1.3	0.027	0.000	4.2017
								Infiltration		0.9			
600 minute winter	36	360	6.959	0.454	1.6	0.0517	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.5			
600 minute winter	37	285	6.511	0.008	0.3	0.0007	0.0000OK	3.012	38	0.3	0.023	0.000	1.7028
600 minute winter	38	360	6.479	0.214	2.2	0.0257	0.0000OK	3.013	39	-1.8	-0.087	-0.001	1.1829
								Infiltration		0.9			
								Infiltration		1.2			
600 minute winter	39	360	6.479	0.024	1.6	0.0028	0.0000OK	3.014	40	-1.3	-0.201	-0.001	0.1272
								Infiltration		0.1			
600 minute winter	40	285	6.707	0.012	1.3	0.0014	0.0000OK	3.015	41	-1.0	-0.179	-0.001	0.6785
								Infiltration		0.0			
600 minute winter	41	285	6.878	0.011	1.1	0.0013	0.0000OK	3.016	42	-0.8	-0.151	-0.001	0.6642
								Infiltration		0.0			
600 minute winter	42	270	7.693	0.008	0.8	0.0016	0.0000OK	3.017	43	-0.5	-0.099	0.000	0.6627
								Infiltration		0.0			
600 minute winter	43	270	7.155	0.010	0.5	0.0012	0.0000OK	3.018	44	-0.2	-0.048	0.000	0.6491
								Infiltration		0.0			
600 minute winter	44	270	7.233	0.005	0.3	0.0006	0.0000OK	3.019	45	0.1	0.035	0.000	0.9390
600 minute winter	45	285	7.203	0.008	0.4	0.0016	0.0000OK	3.020	46	0.4	0.092	0.000	0.9567
								Infiltration		0.0			
600 minute winter	46	285	7.134	0.009	0.7	0.0011	0.0000OK	3.021	47	0.7	0.135	0.000	0.2027
								Infiltration		0.0			
600 minute winter	47	405	7.011	0.048	1.0	0.0056	0.0000OK	3.022	48	1.0	0.070	0.000	1.2827
								Infiltration		0.0			
600 minute winter	48	405	7.011	0.216	1.3	0.0290	0.0000OK	3.023	49	0.9	0.077	0.001	2.1861
								Infiltration		0.2			
600 minute winter	49	860	7.888	-0.111	284.1	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	405	7.011	0.226	1.2	0.0272	0.0000OK	3.024	54	0.8	0.117	0.000	3.5588
								Infiltration		0.3			
600 minute winter	54	405	7.011	0.386	1.0	0.0464	0.0000OK	3.025	54_OUT	0.5	0.032	0.000	0.3708
								Infiltration		0.3			
600 minute winter	54_OUT	405	7.011	0.508	0.7	0.0808	0.0000OK	Infiltration		0.4			

600 minute winter	55	420	8.568	0.123	0.8	0.0418	0.0000OK	5.000	56	0.9	0.288	0.122	0.2788
600 minute winter	56	420	8.568	0.163	1.8	0.5613	0.0000SURCHARGED	5.001	57	1.8	0.318	0.130	0.3709
								Infiltration		0.2			
600 minute winter	57	420	8.568	0.259	2.5	1.2762	0.0000SURCHARGED	5.002	58	1.9	0.268	0.238	0.5462
								Infiltration		0.3			
600 minute winter	58	420	8.568	0.323	2.8	2.6514	0.0000SURCHARGED	5.003	59	2.0	0.278	0.289	0.3806
								Infiltration		0.5			
600 minute winter	59	420	8.568	0.383	2.9	2.2893	0.0000OK	5.004	60	1.7	0.660	0.002	11.2639
								Infiltration		0.4			
600 minute winter	60	420	8.568	0.383	2.6	0.1303	0.0000OK	5.005	61	0.7	0.033	0.001	16.8367
								Infiltration		0.6			
600 minute winter	61	420	8.568	0.432	1.8	0.1489	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.8			
600 minute winter	62	420	8.188	0.050	0.9	0.0172	0.0000OK	5.007	63	0.9	0.651	0.000	10.6187
600 minute winter	63	420	8.188	0.350	1.9	0.1191	0.0000OK	5.008	63_OUT	0.3	0.018	0.000	8.4986
								Infiltration		0.6			
600 minute winter	63_OUT	420	8.188	0.421	0.9	0.1433	0.0000OK	Infiltration		0.4			
600 minute winter	64	435	6.563	0.375	0.4	0.0600	0.0000OK	6.000	65	0.2	0.041	0.000	3.6382
600 minute winter	65	435	6.563	0.435	0.6	0.0696	0.0000OK	6.001	66	0.1	0.039	0.000	5.1689
								Infiltration		0.2			
600 minute winter	66	435	6.563	0.487	0.5	0.0736	0.0000OK	6.002	67	-0.1	-0.002	0.000	2.9455
								Infiltration		0.2			
600 minute winter	67	435	6.563	0.484	0.4	0.0750	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
600 minute winter	68	420	6.168	0.092	0.4	0.0143	0.0000OK	6.004	69	0.4	0.029	0.000	5.9259
600 minute winter	69	420	6.168	0.404	0.8	0.0646	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.4			
600 minute winter	70	420	5.992	0.237	0.4	0.0378	0.0000OK	6.006	71	0.3	0.034	0.000	1.9376
600 minute winter	71	420	5.992	0.307	0.7	0.0490	0.0000OK	6.007	72	0.2	0.009	0.000	6.6607
								Infiltration		0.1			
600 minute winter	72	420	5.992	0.307	0.5	0.0490	0.0000OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.4			
600 minute winter	73	435	6.258	0.554	0.4	0.0888	0.0000OK	6.009	74	0.2	0.018	0.000	3.4933
600 minute winter	74	435	6.258	0.554	0.8	0.0888	0.0000OK	6.010	75	0.2	0.043	0.000	3.9558
								Infiltration		0.1			
600 minute winter	75	435	6.258	0.554	0.5	0.0886	0.0000OK	6.011	76	0.3	0.030	0.000	4.1590
								Infiltration		0.2			
600 minute winter	76	435	6.258	0.624	0.5	0.0948	0.0000OK	6.012	76_OUT	0.1	0.005	0.000	4.2530
								Infiltration		0.2			
600 minute winter	76_OUT	435	6.258	0.624	0.4	0.0998	0.0000OK	Infiltration		0.2			

Results for 100 year +30% 720 minute summer, 360 minute analysis at 15 minute timestep. Mass balance: 87.73%

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	330	9.890	0.500	0.5	0.0003	0.0000	FLOOD RISK	1.000	2	-0.5	-0.018	-0.022	0.4853	
720 minute summer	2	330	9.890	0.550	1.0	0.0000	0.0000	FLOOD RISK	1.001	3	-1.0	-0.031	-0.049	1.1264	
720 minute summer	3	330	9.890	0.600	1.4	0.0000	0.0000	FLOOD RISK	1.002	4	-1.4	-0.044	-0.065	0.4980	
720 minute summer	4	330	9.890	0.700	1.8	0.0000	0.0000	FLOOD RISK	1.003	5	-1.8	-0.058	-0.079	0.8441	
720 minute summer	5	330	9.890	0.800	2.4	0.0000	0.0000	FLOOD RISK	1.004	6	-2.4	-0.257	-0.084	0.1621	
720 minute summer	6	330	9.890	0.900	23.1	10.4211	0.0000	FLOOD RISK	1.005	7	23.0	0.592	0.474	0.7798	
720 minute summer	7	330	9.890	1.050	38.3	5.6871	0.0000	FLOOD RISK	1.006	8	38.3	0.581	0.516	2.4923	
720 minute summer	8	330	9.890	1.250	63.0	10.7839	0.0000	FLOOD RISK	1.007	9	62.9	0.581	0.581	5.9230	
720 minute summer	9	330	9.890	1.450	108.8	18.8604	0.0000	FLOOD RISK	1.008	10	108.7	0.558	0.450	3.1360	
720 minute summer	10	345	9.890	1.590	115.0	3.1448	0.0000	FLOOD RISK	1.009	11	115.0	0.588	0.778	47.8813	
720 minute summer	11	380	9.890	1.800	115.0	0.0000	0.0000	FLOOD RISK	1.010	12	115.0	0.640	0.399	53.3278	
720 minute summer	12	105	7.750	1.000	115.0	0.0000	0.0000	FLOOD RISK	1.011	13	115.0	0.852	0.586	0.2785	
720 minute summer	13	375	9.801	0.101	115.0	0.0000	0.0000	OK	1.012	13_CUT	115.0	4.056	0.093	0.1899	
720 minute summer	13_CUT	735	7.663	0.329	115.0	0.0000	0.0000	OK	Flow through pond	49	149.5	0.016	0.000	3039.8838	
720 minute summer	14	345	9.890	0.500	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	0.4	0.012	0.012	0.8135	
720 minute summer	15	345	9.890	0.714	17.6	8.8388	0.0000	FLOOD RISK	2.001	16	17.6	0.524	0.363	0.9254	
720 minute summer	16	345	9.890	0.809	17.6	0.0000	0.0000	FLOOD RISK	2.002	17	17.6	0.527	0.357	0.6320	
720 minute summer	17	345	9.890	0.941	26.7	3.3133	0.0000	FLOOD RISK	2.003	18	26.7	0.527	0.341	1.8756	
720 minute summer	18	345	9.890	1.119	48.6	7.7872	0.0000	FLOOD RISK	2.004	19	48.6	0.553	0.388	5.4893	
720 minute summer	19	360	9.890	1.344	88.3	12.9832	0.0000	FLOOD RISK	2.005	20	88.3	0.573	0.438	4.0528	
720 minute summer	20	360	9.890	1.389	88.3	0.0000	0.0000	FLOOD RISK	2.006	21	88.3	0.807	0.436	3.4979	
720 minute summer	21	360	9.890	1.428	88.3	0.0000	0.0000	FLOOD RISK	2.007	22	88.3	0.779	0.145	3.7404	
720 minute summer	22	360	9.890	1.800	110.6	8.1382	0.0000	FLOOD RISK	2.008	23	110.6	0.585	0.364	53.3017	
720 minute summer	23	105	7.750	1.000	110.6	0.0000	0.0000	FLOOD RISK	2.009	24	110.6	0.822	0.583	0.2758	
720 minute summer	24	375	9.500	0.190	110.6	0.0000	0.0000	OK	2.010	24_CUT	110.6	4.011	0.089	0.1856	
720 minute summer	24_CUT	735	7.662	0.329	110.6	0.0000	0.0000	OK	Flow through pond	49	149.5	0.016	0.000	3039.8838	
720 minute summer	25	375	8.830	0.004	2.0	0.0218	0.0000	OK	3.000	26	2.0	0.511	0.111	0.1399	
720 minute summer	26	375	8.484	0.049	4.0	0.1353	0.0000	OK	3.001	27	3.8	0.702	0.228	0.2956	
								Infiltration			0.4				
720 minute summer	27	375	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				
720 minute summer	28	375	7.750	0.056	7.1	0.1392	0.0000	OK	3.003	29	8.7	1.068	0.285	0.2261	
								Infiltration			0.4				
720 minute summer	29	375	7.126	0.061	8.7	0.1350	0.0000	OK	3.004	30	8.4	1.309	0.363	0.0458	
								Infiltration			0.3				
720 minute summer	30	405	8.973	0.148	8.8	0.0178	0.0000	OK	3.005	31	8.5	0.138	0.004	3.0592	
720 minute summer	31	405	8.973	0.278	8.9	0.0334	0.0000	OK	3.006	32	6.6	0.081	0.004	3.3991	
								Infiltration			1.7				
720 minute summer	32	405	8.973	0.328	7.0	0.0394	0.0000	OK	3.007	33	3.8	0.048	0.003	2.8550	

								Infiltration			1.3			
								Infiltration			1.5			
720 minute summer	33	405	6.973	0.198	4.2	0.0238	0.0000OK	3.008	34	3.0	0.153	0.003	2.0133	
720 minute summer	34	405	6.973	0.220	4.0	0.0274	0.0000OK	3.009	35	2.5	0.158	0.001	1.9890	
								Infiltration			1.1			
720 minute summer	35	405	6.973	0.298	2.9	0.0358	0.0000OK	3.010	36	1.4	0.027	0.000	4.4301	
								Infiltration			0.9			
720 minute summer	36	405	6.973	0.460	1.8	0.0534	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000	
								Infiltration			1.0			
720 minute summer	37	375	6.512	0.007	0.4	0.0008	0.0000OK	3.012	38	0.4	0.023	0.000	1.9649	
720 minute summer	38	390	6.504	0.239	2.7	0.0287	0.0000OK	3.013	39	-1.9	-0.007	-0.001	1.4318	
								Infiltration			1.0			
								Infiltration			1.4			
720 minute summer	39	390	6.504	0.049	2.2	0.0050	0.0000OK	3.014	40	-1.0	-0.201	-0.001	0.2272	
								Infiltration			0.1			
720 minute summer	40	375	6.709	0.014	1.8	0.0017	0.0000OK	3.015	41	-1.4	-0.200	-0.001	0.0915	
								Infiltration			0.0			
720 minute summer	41	375	6.878	0.013	1.4	0.0010	0.0000OK	3.016	42	-1.0	-0.109	-0.001	0.0768	
								Infiltration			0.0			
720 minute summer	42	375	7.095	0.010	1.0	0.0012	0.0000OK	3.017	43	-0.6	-0.111	0.000	0.0748	
								Infiltration			0.0			
720 minute summer	43	375	7.157	0.012	0.5	0.0015	0.0000OK	3.018	44	-0.2	-0.054	0.000	0.0585	
								Infiltration			0.0			
720 minute summer	44	375	7.231	0.008	0.4	0.0007	0.0000OK	3.019	45	0.2	0.039	0.000	0.0473	
720 minute summer	45	375	7.205	0.010	0.5	0.0012	0.0000OK	3.020	46	0.5	0.103	0.000	0.0578	
								Infiltration			0.0			
720 minute summer	46	375	7.130	0.011	0.9	0.0013	0.0000OK	3.021	47	0.9	0.151	0.000	0.1084	
								Infiltration			0.0			
720 minute summer	47	435	6.988	0.023	1.3	0.0027	0.0000OK	3.022	48	1.3	0.078	0.000	1.0346	
								Infiltration			0.0			
720 minute summer	48	435	6.988	0.193	1.7	0.0231	0.0000OK	3.023	53	1.1	0.082	0.001	1.8979	
								Infiltration			0.2			
720 minute summer	49	900	7.857	-0.143	204.3	0.0000	0.0000OK	Onflow	50	0.0				
								Infiltration			0.0			
720 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	
720 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	
720 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	
720 minute summer	53	435	6.988	0.203	1.5	0.0243	0.0000OK	3.024	54	0.9	0.117	0.000	3.1982	
								Infiltration			0.2			
720 minute summer	54	435	6.988	0.363	1.3	0.0435	0.0000OK	3.025	54_CUT	0.6	0.032	0.000	5.8878	
								Infiltration			0.3			
720 minute summer	54_CUT	435	6.988	0.483	0.0	0.0579	0.0000OK	Infiltration			0.4			
720 minute summer	55	450	8.539	0.093	1.1	0.0315	0.0000OK	5.000	56	1.1	0.296	0.149	0.2250	
720 minute summer	56	450	8.539	0.123	2.2	0.5155	0.0000OK	5.001	57	2.0	0.333	0.159	0.3479	

720 minute summer	57	450	8.539	0.229	3.1	1.0822	0.0000SURCHARGE	Infiltration	0.2				
									2.3	0.290	0.291	0.5462	
720 minute summer	58	450	8.538	0.293	3.4	2.3810	0.0000SURCHARGE	Infiltration	6.3				
									2.5	0.272	0.335	0.3808	
720 minute summer	59	450	8.538	0.333	3.6	2.0782	0.0000OK	Infiltration	0.5				
									2.1	0.042	0.003	10.0118	
720 minute summer	60	450	8.538	0.353	3.2	0.1200	0.0000OK	Infiltration	0.4				
									0.8	0.030	0.001	15.0743	
720 minute summer	61	450	8.538	0.402	1.9	0.1388	0.0000OK	Infiltration	0.6				
									0.0	0.000	0.000	0.0000	
720 minute summer	62	450	8.165	0.028	1.1	0.0098	0.0000OK	Infiltration	0.8				
									1.1	0.044	0.001	9.3912	
720 minute summer	63	450	8.165	0.329	2.3	0.1119	0.0000OK	Infiltration	5.008	0.018	0.000	7.8098	
									0.7				
720 minute summer	63_OUT	450	8.165	0.490	1.1	0.1360	0.0000OK	Infiltration	0.4				
									0.2	0.041	0.000	3.1848	
720 minute summer	64	485	8.511	0.328	6.5	0.0521	0.0000OK	Infiltration	8.000				
									0.2	0.039	0.000	4.3628	
720 minute summer	65	485	8.511	0.388	0.7	0.0617	0.0000OK	Infiltration	0.2				
									0.2				
720 minute summer	66	485	8.511	0.418	0.7	0.0890	0.0000OK	Infiltration	5.002	-0.2	-0.002	0.000	2.5050
									0.2				
720 minute summer	67	485	8.511	0.435	0.5	0.0674	0.0000OK	Infiltration	8.003	0.0	0.000	0.000	0.0000
									0.1				
720 minute summer	68	450	8.143	0.067	6.5	0.0104	0.0000OK	Infiltration	5.004	0.5	0.028	0.000	5.2203
									0.0	0.000	0.000	0.0000	
720 minute summer	69	450	8.143	0.378	1.0	0.0804	0.0000OK	Infiltration	8.005				
									0.4				
720 minute summer	70	450	5.955	0.260	0.5	0.0319	0.0000OK	Infiltration	8.006	0.3	0.034	0.000	1.5965
									5.007	0.2	0.009	0.000	5.1048
720 minute summer	71	450	5.955	0.270	0.8	0.0431	0.0000OK	Infiltration	0.1				
									0.0	0.000	0.000	0.0000	
720 minute summer	72	450	5.955	0.270	0.7	0.0431	0.0000OK	Infiltration	0.3				
									0.2	0.018	0.000	2.9184	
720 minute summer	73	485	8.197	0.492	0.5	0.0787	0.0000OK	Infiltration	8.010	0.2	0.043	0.000	3.3048
									0.1				
720 minute summer	74	485	8.197	0.492	0.7	0.0787	0.0000OK	Infiltration	8.011	0.3	0.030	0.000	3.5098
									0.1				
720 minute summer	75	485	8.197	0.582	0.5	0.0884	0.0000OK	Infiltration	8.012	-0.1	0.005	0.000	3.6174
									0.1				
720 minute summer	76_OUT	485	8.197	0.582	0.5	0.0884	0.0000OK	Infiltration	0.1				

Results for 100 year +30% 720 minute winter, 360 minute analysis at 15 minute timestep, Mass balance: 97.82%

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)
720 minute winter	1	315	9.800	0.500	2.3	0.0000	0.0000	FLOOD RISK	1.000	2	-2.3	-0.230	-0.105	0.4853	
720 minute winter	2	315	9.800	0.550	5.8	0.0000	0.0000	FLOOD RISK	1.001	3	-5.8	-0.209	-0.282	1.1284	
720 minute winter	3	315	9.800	0.650	6.9	0.0000	0.0000	FLOOD RISK	1.002	4	-6.9	-0.222	-0.328	0.4986	
720 minute winter	4	315	9.800	0.700	7.5	0.0000	0.0000	FLOOD RISK	1.003	5	-7.5	-0.241	-0.327	0.8441	
720 minute winter	5	315	9.800	0.800	8.1	0.0000	0.0000	FLOOD RISK	1.004	6	-8.1	-0.258	-0.210	0.1621	
720 minute winter	6	315	9.800	0.900	17.4	8.2654	0.0000	FLOOD RISK	1.005	7	17.4	0.634	0.359	0.7796	
720 minute winter	7	330	9.800	1.050	27.4	4.7035	0.0000	FLOOD RISK	1.006	8	27.4	0.598	0.390	2.4823	
720 minute winter	8	330	9.800	1.250	47.5	9.1809	0.0000	FLOOD RISK	1.007	9	47.5	0.599	0.439	5.9230	
720 minute winter	9	330	9.800	1.450	89.5	14.7705	0.0000	FLOOD RISK	1.008	10	89.5	0.573	0.339	3.1360	
720 minute winter	10	330	9.800	1.500	88.7	2.7716	0.0000	FLOOD RISK	1.009	11	88.7	0.565	0.537	47.8613	
720 minute winter	11	375	9.761	1.761	86.7	0.0000	0.0000	FLOOD RISK	1.010	12	86.7	0.525	0.391	51.3276	
720 minute winter	12	105	9.750	1.900	86.7	0.0000	0.0000	FLOOD RISK	1.011	13	86.7	0.657	0.441	0.2792	
720 minute winter	13	375	9.588	0.088	86.7	0.0000	0.0000	OK	1.012	13_OUT	86.7	3.728	0.070	0.1393	
720 minute winter	13_OUT	735	7.909	0.375	86.7	0.0000	0.0000	OK	Flow through pond	49	233.9	0.019	0.000	3449.2896	
720 minute winter	14	375	9.790	0.490	1.4	0.0000	0.0000	FLOOD RISK	2.000	15	-1.4	-0.075	-0.048	0.8136	
720 minute winter	15	375	9.790	0.704	13.3	5.5814	0.0000	FLOOD RISK	2.001	16	13.3	0.543	0.274	0.9254	
720 minute winter	16	375	9.783	0.792	13.3	0.0000	0.0000	FLOOD RISK	2.002	17	13.3	0.545	0.270	0.6329	
720 minute winter	17	375	9.775	0.919	26.1	2.5501	0.0000	FLOOD RISK	2.003	18	26.1	0.541	0.257	1.6750	
720 minute winter	18	375	9.771	1.090	36.8	6.8586	0.0000	FLOOD RISK	2.004	19	36.8	0.574	0.291	5.4890	
720 minute winter	19	375	9.761	1.305	85.0	11.7642	0.0000	FLOOD RISK	2.005	20	85.0	0.596	0.330	4.9628	
720 minute winter	20	375	9.758	1.345	85.0	0.0000	0.0000	FLOOD RISK	2.006	21	85.0	0.838	0.329	3.4979	
720 minute winter	21	375	9.751	1.379	65.0	0.0000	0.0000	FLOOD RISK	2.007	22	65.0	0.838	0.109	3.7404	
720 minute winter	22	375	9.747	1.747	83.3	7.5889	0.0000	FLOOD RISK	2.008	23	83.3	0.583	0.289	53.3017	
720 minute winter	23	105	7.759	1.000	83.3	0.0000	0.0000	FLOOD RISK	2.009	24	83.3	0.634	0.424	0.2696	
720 minute winter	24	375	9.587	0.087	83.3	0.0000	0.0000	OK	2.010	24_OUT	83.3	3.885	0.067	0.1353	
720 minute winter	24_OUT	735	7.909	0.375	83.3	0.0000	0.0000	OK	Flow through pond	49	233.9	0.019	0.000	3449.2896	
720 minute winter	25	375	8.825	0.029	1.5	0.0187	0.0000	OK	3.000	26	1.5	0.473	0.034	0.1136	
720 minute winter	26	375	8.477	0.942	3.0	0.1032	0.0000	OK	3.001	27	2.7	0.049	0.188	0.1844	
									Infiltration		0.3				
720 minute winter	27	375	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				
720 minute winter	28	375	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				
720 minute winter	29	375	7.117	0.052	6.4	0.1009	0.0000	OK	3.004	30	6.2	1.212	0.223	0.5347	
									Infiltration		0.2				
720 minute winter	30	405	6.924	0.099	8.5	0.0119	0.0000	OK	3.005	31	8.4	0.139	0.093	2.2104	
720 minute winter	31	405	6.924	0.229	6.7	0.0274	0.0000	OK	3.006	32	5.0	0.082	0.093	2.8634	
									Infiltration		1.4				

720 minute winter	32	465	6.923	0.278	5.3	0.0334	0.0000OK	3.007	33	2.7	0.038	0.000	2.1791
								Infiltration		1.2			
								Infiltration		1.3			
720 minute winter	33	465	6.923	0.148	3.6	0.0178	0.0000OK	3.008	34	2.6	0.147	0.002	1.4364
720 minute winter	34	465	6.923	0.178	3.1	0.0214	0.0000OK	3.009	35	1.9	0.150	0.001	1.5107
								Infiltration		1.0			
720 minute winter	35	465	6.923	0.248	2.2	0.0298	0.0000OK	3.010	36	1.3	0.027	0.000	3.6635
								Infiltration		0.8			
720 minute winter	36	465	6.923	0.418	1.5	0.0477	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.4			
720 minute winter	37	360	6.511	0.008	0.3	0.0007	0.0000OK	3.012	38	0.3	0.023	0.000	1.0810
720 minute winter	38	465	6.477	0.212	2.2	0.0254	0.0000OK	3.013	39	-1.8	-0.087	-0.001	1.1408
								Infiltration		0.9			
								Infiltration		1.2			
720 minute winter	39	465	6.477	0.022	1.6	0.0026	0.0000OK	3.014	40	-1.3	-0.201	-0.001	0.1192
								Infiltration		0.1			
720 minute winter	40	360	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	360	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	345	7.693	0.008	0.8	0.0016	0.0000OK	3.017	43	-0.5	-0.099	0.000	0.0627
								Infiltration		0.0			
720 minute winter	43	345	7.153	0.010	0.5	0.0012	0.0000OK	3.018	44	-0.2	-0.048	0.000	0.6491
								Infiltration		0.0			
720 minute winter	44	345	7.233	0.005	0.3	0.0006	0.0000OK	3.019	45	0.1	0.035	0.000	0.9390
720 minute winter	45	360	7.203	0.008	0.4	0.0016	0.0000OK	3.020	46	0.4	0.092	0.000	0.0567
								Infiltration		0.0			
720 minute winter	46	360	7.134	0.009	0.7	0.0011	0.0000OK	3.021	47	0.7	0.135	0.000	0.1400
								Infiltration		0.0			
720 minute winter	47	465	6.998	0.031	1.0	0.0037	0.0000OK	3.022	48	1.0	0.074	0.000	1.1181
								Infiltration		0.0			
720 minute winter	48	465	6.998	0.201	1.3	0.0241	0.0000OK	3.023	49	0.9	0.092	0.001	1.9885
								Infiltration		0.2			
720 minute winter	49	750	7.902	-0.088	256.5	0.5000	0.0000OK	Crifice	50	0.0			
								Infiltration		0.0			
720 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
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	7.208	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000
720 minute winter	53	465	6.998	0.211	1.2	0.0253	0.0000OK	3.024	54	0.8	0.117	0.000	3.3200
								Infiltration		0.2			
720 minute winter	54	465	6.998	0.371	1.0	0.0445	0.0000OK	3.025	54_OUT	0.5	0.032	0.000	0.9514
								Infiltration		0.3			
720 minute winter	54_OUT	465	6.998	0.491	0.7	0.0589	0.0000OK	Infiltration		0.4			

720 minute winter	55	480	8.551	0.105	0.8	0.0356	0.0000OK	5.000	56	0.8	0.271	0.108	0.2483
720 minute winter	56	480	8.551	0.135	1.0	0.5709	0.0000OK	5.001	57	1.4	0.318	0.115	0.3808
								Infiltration		0.2			
720 minute winter	57	480	8.553	0.240	2.2	1.1598	0.0000SURFACE FLOODED	5.002	58	1.7	0.278	0.209	0.5462
								Infiltration		0.3			
720 minute winter	58	480	8.550	0.305	2.5	2.4739	0.0000SURFACE FLOODED	5.003	59	1.8	0.272	0.243	0.3806
								Infiltration		0.5			
720 minute winter	59	480	8.553	0.345	2.6	2.1604	0.0000OK	5.004	60	1.5	0.645	0.002	10.5011
								Infiltration		0.4			
720 minute winter	60	480	8.550	0.385	2.3	0.1240	0.0000OK	5.005	61	0.9	0.028	0.001	15.7537
								Infiltration		0.6			
720 minute winter	61	480	8.550	0.414	1.4	0.1407	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.8			
720 minute winter	62	480	8.175	0.039	0.8	0.0133	0.0000OK	5.007	63	0.6	0.642	0.000	9.9670
720 minute winter	63	480	8.175	0.339	1.7	0.1150	0.0000OK	5.008	63_OUT	0.2	0.015	0.000	8.1201
								Infiltration		0.5			
720 minute winter	63_OUT	480	8.175	0.410	0.8	0.1395	0.0000OK	Infiltration		0.4			
720 minute winter	64	510	6.565	0.360	0.4	0.0607	0.0000OK	6.000	65	0.2	0.641	0.000	3.5974
720 minute winter	65	510	6.565	0.440	0.6	0.0703	0.0000OK	6.001	66	0.1	0.039	0.000	5.2444
								Infiltration		0.2			
720 minute winter	66	510	6.565	0.472	0.5	0.0745	0.0000OK	6.002	67	-0.1	-0.002	0.000	2.9887
								Infiltration		0.2			
720 minute winter	67	510	6.565	0.489	0.4	0.0757	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
720 minute winter	68	495	6.167	0.091	0.4	0.0141	0.0000OK	6.004	69	0.4	0.028	0.000	5.8794
720 minute winter	69	495	6.167	0.402	0.8	0.0640	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.4			
720 minute winter	70	495	5.990	0.235	0.4	0.0375	0.0000OK	6.006	71	0.3	0.034	0.000	1.9188
720 minute winter	71	495	5.990	0.305	0.7	0.0487	0.0000OK	6.007	72	0.2	0.009	0.000	6.0265
								Infiltration		0.1			
720 minute winter	72	495	5.990	0.305	0.5	0.0487	0.0000OK	6.008	73	0.0	0.000	0.000	0.0004
								Infiltration		0.4			
720 minute winter	73	510	6.270	0.565	0.4	0.0903	0.0000OK	6.009	74	0.2	0.018	0.000	3.5958
720 minute winter	74	510	6.270	0.565	0.8	0.0903	0.0000OK	6.010	75	0.2	0.643	0.000	4.0717
								Infiltration		0.1			
720 minute winter	75	510	6.270	0.585	0.5	0.0903	0.0000OK	6.011	76	0.3	0.030	0.000	4.2745
								Infiltration		0.2			
720 minute winter	76	510	6.270	0.635	0.5	0.0984	0.0000OK	6.012	76_OUT	0.1	0.005	0.000	4.3857
								Infiltration		0.2			
720 minute winter	76_OUT	510	6.270	0.635	0.4	0.1015	0.0000OK	Infiltration		0.2			

Results for 100 year +30% 960 minute summer, 1260 minute analysis at 15 minute timestep, Mass balance: 97.87%

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)
960 minute summer	1	485	9.890	0.500	0.2	0.0009	0.0000	FLOOD RISK	1.000	2	-0.2	-0.083	-0.009	0.4853	
960 minute summer	2	485	9.890	0.550	2.5	0.0500	0.0000	FLOOD RISK	1.001	3	-2.5	-0.140	-0.127	1.1264	
960 minute summer	3	485	9.890	0.650	4.4	0.0900	0.0000	FLOOD RISK	1.002	4	-4.4	-0.141	-0.266	0.4980	
960 minute summer	4	485	9.890	0.700	4.9	0.0009	0.0000	FLOOD RISK	1.003	5	-4.9	-0.158	-0.215	0.8441	
960 minute summer	5	485	9.890	0.800	5.4	0.0000	0.0000	FLOOD RISK	1.004	6	-5.4	-0.172	-0.144	0.1621	
960 minute summer	6	485	9.890	0.900	18.5	8.7318	0.0000	FLOOD RISK	1.005	7	18.5	0.546	0.381	0.7798	
960 minute summer	7	485	9.890	1.050	29.2	4.8790	0.0000	FLOOD RISK	1.006	8	29.2	0.533	0.415	2.4923	
960 minute summer	8	485	9.890	1.250	59.9	9.4882	0.0000	FLOOD RISK	1.007	9	59.9	0.542	0.407	5.9239	
960 minute summer	9	485	9.890	1.450	85.6	15.1438	0.0000	FLOOD RISK	1.008	10	85.6	0.518	0.361	3.1360	
960 minute summer	10	485	9.890	1.590	92.2	2.8383	0.0000	FLOOD RISK	1.009	11	92.2	0.401	0.624	47.8813	
960 minute summer	11	495	9.786	1.785	92.2	0.0000	0.0000	FLOOD RISK	1.010	12	92.2	0.597	0.320	53.3278	
960 minute summer	12	135	7.750	1.000	92.2	0.0000	0.0000	FLOOD RISK	1.011	13	92.2	0.696	0.470	0.2715	
960 minute summer	13	485	9.581	0.091	92.2	0.0000	0.0000	OK	1.012	13_CUT	92.2	3.797	0.075	0.1455	
960 minute summer	13_CUT	375	7.683	0.349	92.2	0.0000	0.0000	OK	Flow through pond	49	93.1	0.012	0.000	3209.9818	
960 minute summer	14	480	9.890	0.500	0.8	0.0000	0.0000	FLOOD RISK	2.000	15	-0.8	-0.046	-0.029	0.8135	
960 minute summer	15	480	9.890	0.714	14.1	5.8033	0.0000	FLOOD RISK	2.001	16	14.1	0.481	0.291	0.9254	
960 minute summer	16	480	9.890	0.809	14.1	0.0000	0.0000	FLOOD RISK	2.002	17	14.1	0.484	0.286	0.6320	
960 minute summer	17	495	9.890	0.941	21.4	2.9322	0.0000	FLOOD RISK	2.003	18	21.4	0.492	0.274	1.8750	
960 minute summer	18	495	9.797	1.116	38.9	7.0198	0.0000	FLOOD RISK	2.004	19	38.9	0.521	0.309	5.4893	
960 minute summer	19	485	9.785	1.328	69.1	11.9524	0.0000	FLOOD RISK	2.005	20	69.1	0.529	0.350	4.0528	
960 minute summer	20	495	9.779	1.368	69.1	0.0000	0.0000	FLOOD RISK	2.006	21	69.1	0.704	0.349	3.4979	
960 minute summer	21	495	9.774	1.402	69.1	0.0000	0.0000	FLOOD RISK	2.007	22	69.1	0.719	0.116	3.7404	
960 minute summer	22	495	9.789	1.709	88.6	7.6864	0.0000	FLOOD RISK	2.008	23	88.6	0.459	0.308	53.3017	
960 minute summer	23	120	7.750	1.000	88.6	0.0000	0.0000	FLOOD RISK	2.009	24	88.6	0.671	0.451	0.2709	
960 minute summer	24	495	9.589	0.089	88.6	0.0000	0.0000	OK	2.010	24_CUT	88.6	3.753	0.072	0.1413	
960 minute summer	24_CUT	945	7.875	0.342	88.6	0.0000	0.0000	OK	Flow through pond	49	93.1	0.012	0.000	3209.9819	
960 minute summer	25	485	8.825	0.030	1.5	0.0184	0.0000	OK	3.000	26	1.5	0.482	0.099	0.1185	
960 minute summer	26	495	8.478	0.043	3.2	0.1995	0.0000	OK	3.001	27	2.9	0.660	0.180	0.1728	
									Infiltration		0.3				
960 minute summer	27	495	8.180	0.045	4.5	0.1448	0.0000	OK	3.002	28	4.0	0.853	0.198	0.1531	
									Infiltration		0.5				
960 minute summer	28	495	7.743	0.048	5.8	0.1123	0.0000	OK	3.003	29	5.3	1.005	0.225	0.1891	
									Infiltration		0.3				
960 minute summer	29	485	7.119	0.054	8.9	0.1078	0.0000	OK	3.004	30	6.6	1.233	0.239	0.0368	
									Infiltration		0.3				
960 minute summer	30	525	8.912	0.087	6.9	0.0105	0.0000	OK	3.005	31	6.7	0.138	0.003	2.0182	
960 minute summer	31	525	8.912	0.217	7.0	0.0263	0.0000	OK	3.006	32	5.3	0.089	0.003	2.5018	
									Infiltration		1.4				
960 minute summer	32	525	8.911	0.286	5.8	0.0320	0.0000	OK	3.007	33	3.0	0.041	0.002	2.0258	

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960 minute summer	57	585	8.498	0.188	2.3	0.8312	0.0000OK	0.0000OK	5.002	58	1.7	0.299	0.215	0.5462
									Infiltration		0.3			
960 minute summer	58	585	8.498	0.253	2.5	1.9715	0.0000OK	0.0000OK	5.003	59	1.8	0.268	0.239	0.3908
									Infiltration		0.5			
960 minute summer	59	585	8.497	0.292	2.6	1.7954	0.0000OK	0.0000OK	5.004	60	1.5	0.042	0.002	8.4083
									Infiltration		0.4			
960 minute summer	60	585	8.497	0.312	2.3	0.1862	0.0000OK	0.0000OK	5.005	61	0.6	0.630	0.001	12.8434
									Infiltration		0.5			
960 minute summer	61	585	8.497	0.361	1.4	0.1229	0.0000OK	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.7			
960 minute summer	62	495	8.149	0.013	0.8	0.0044	0.0000OK	0.0000OK	5.007	63	0.8	0.044	0.000	8.1821
960 minute summer	63	585	8.142	0.308	1.7	0.1041	0.0000OK	0.0000OK	5.008	63_OUT	0.2	0.018	0.000	7.1257
									Infiltration		0.7			
960 minute summer	63_OUT	585	8.142	0.377	0.8	0.1282	0.0000OK	0.0000OK	5.009		0.4			
960 minute summer	64	600	8.508	0.321	0.4	0.0513	0.0000OK	0.0000OK	5.009	65	0.2	0.041	0.000	3.1217
960 minute summer	65	600	8.508	0.381	0.6	0.0609	0.0000OK	0.0000OK	5.001	66	0.1	0.039	0.000	4.2843
									Infiltration		0.2			
960 minute summer	66	600	8.508	0.413	0.8	0.0852	0.0000OK	0.0000OK	5.002	67	-0.1	-0.002	0.000	2.4822
									Infiltration		0.2			
960 minute summer	67	600	8.508	0.430	0.4	0.0688	0.0000OK	0.0000OK	5.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
960 minute summer	68	585	8.138	0.090	0.4	0.0093	0.0000OK	0.0000OK	5.004	69	0.4	0.028	0.000	5.0348
960 minute summer	69	585	8.138	0.371	0.8	0.0583	0.0000OK	0.0000OK	5.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
960 minute summer	70	585	5.950	0.195	0.4	0.0311	0.0000OK	0.0000OK	5.006	71	0.3	0.034	0.000	1.5518
960 minute summer	71	585	5.950	0.285	0.7	0.0423	0.0000OK	0.0000OK	5.007	72	0.2	0.009	0.000	4.9706
									Infiltration		0.1			
960 minute summer	72	585	5.950	0.285	0.5	0.0423	0.0000OK	0.0000OK	5.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
960 minute summer	73	600	5.192	0.487	0.4	0.0779	0.0000OK	0.0000OK	5.009	74	0.2	0.018	0.000	2.8743
960 minute summer	74	600	5.192	0.487	0.5	0.0779	0.0000OK	0.0000OK	5.010	75	0.2	0.043	0.000	3.2545
									Infiltration		0.1			
960 minute summer	75	600	5.192	0.487	0.5	0.0779	0.0000OK	0.0000OK	5.011	76	0.3	0.030	0.000	3.4585
									Infiltration		0.1			
960 minute summer	76	600	5.192	0.557	0.5	0.0846	0.0000OK	0.0000OK	5.012	76_OUT	0.1	0.005	0.000	3.5681
									Infiltration		0.1			
960 minute summer	76_OUT	600	5.192	0.557	0.4	0.0881	0.0000OK	0.0000OK	5.013		0.1			

Results for 100 year +30% 960 minute winter, 1200 minute analysis at 15 minute timestep. Mass balance: 98.69%

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	495	9.785	0.485	1.4	0.0000	0.0000	FLOOD RISK	1.000	2	-1.4	-0.093	-0.080	0.4853	
960 minute winter	2	495	9.785	0.535	4.4	0.0000	0.0000	FLOOD RISK	1.001	3	-4.4	-0.157	-0.223	1.1284	
960 minute winter	3	495	9.785	0.635	5.5	0.0000	0.0000	FLOOD RISK	1.002	4	-5.5	-0.178	-0.260	0.4988	
960 minute winter	4	495	9.785	0.885	5.9	0.0000	0.0000	FLOOD RISK	1.003	5	-5.9	-0.168	-0.257	0.8441	
960 minute winter	5	495	9.785	0.785	8.3	0.0000	0.0000	FLOOD RISK	1.004	6	-8.3	-0.291	-0.158	0.1621	
960 minute winter	6	495	9.785	0.885	13.7	7.2978	0.0000	FLOOD RISK	1.005	7	13.7	0.588	0.283	0.7798	
960 minute winter	7	495	9.779	1.029	21.8	4.1823	0.0000	FLOOD RISK	1.006	8	21.8	0.548	0.308	2.4823	
960 minute winter	8	495	9.769	1.219	37.5	8.3687	0.0000	FLOOD RISK	1.007	9	37.5	0.858	0.347	5.9230	
960 minute winter	9	495	9.757	1.407	63.6	13.8798	0.0000	FLOOD RISK	1.008	10	63.6	0.834	0.268	3.1360	
960 minute winter	10	495	9.753	1.453	68.5	2.5756	0.0000	FLOOD RISK	1.009	11	68.5	0.522	0.464	47.8913	
960 minute winter	11	495	9.690	1.690	68.5	0.0000	0.0000	FLOOD RISK	1.010	12	68.5	0.429	0.238	51.3276	
960 minute winter	12	120	7.750	1.900	68.5	0.0000	0.0000	FLOOD RISK	1.011	13	68.5	0.529	0.349	0.2658	
960 minute winter	13	495	9.578	0.078	68.5	0.0000	0.0000	OK	1.012	13_OUT	68.5	3.480	0.055	0.1179	
960 minute winter	13_OUT	975	7.929	0.396	68.5	0.0000	0.0000	OK	Flow through pond	49	170.7	0.015	0.000	3639.3354	
960 minute winter	14	495	9.707	0.407	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	0.4	0.014	0.014	0.8138	
960 minute winter	15	495	9.707	0.621	10.5	4.9207	0.0000	FLOOD RISK	2.001	16	10.5	0.503	0.217	0.9254	
960 minute winter	16	495	9.702	0.711	10.5	0.0000	0.0000	FLOOD RISK	2.002	17	10.5	0.506	0.213	0.6329	
960 minute winter	17	495	9.698	0.840	15.9	2.5093	0.0000	FLOOD RISK	2.003	18	15.9	0.500	0.203	1.6750	
960 minute winter	18	495	9.695	1.014	28.9	6.3788	0.0000	FLOOD RISK	2.004	19	28.9	0.540	0.230	5.4890	
960 minute winter	19	495	9.688	1.232	51.3	11.1127	0.0000	FLOOD RISK	2.005	20	51.3	0.549	0.250	4.9628	
960 minute winter	20	495	9.685	1.274	51.3	0.0000	0.0000	FLOOD RISK	2.006	21	51.3	0.775	0.259	3.4979	
960 minute winter	21	495	9.683	1.311	51.3	0.0000	0.0000	FLOOD RISK	2.007	22	51.3	0.783	0.086	3.7404	
960 minute winter	22	495	9.680	1.660	65.8	7.2974	0.0000	FLOOD RISK	2.008	23	65.8	0.518	0.228	53.3017	
960 minute winter	23	120	7.753	1.090	65.8	0.0000	0.0000	FLOOD RISK	2.009	24	65.8	0.509	0.335	0.2653	
960 minute winter	24	495	9.577	0.077	65.8	0.0000	0.0000	OK	2.010	24_OUT	65.8	3.441	0.053	0.1145	
960 minute winter	24_OUT	975	7.921	0.387	65.8	0.0000	0.0000	OK	Flow through pond	49	170.7	0.015	0.000	3639.3354	
960 minute winter	25	480	8.822	0.028	1.2	0.0186	0.0000	OK	3.000	26	1.2	0.448	0.087	0.0859	
960 minute winter	26	480	8.472	0.037	2.4	0.0842	0.0000	OK	3.001	27	2.1	0.609	0.133	0.1382	
								Infiltration			0.3				
960 minute winter	27	480	8.154	0.039	3.3	0.1067	0.0000	OK	3.002	28	2.9	0.782	0.145	0.1219	
								Infiltration			0.4				
960 minute winter	28	480	7.738	0.041	4.1	0.0854	0.0000	OK	3.003	29	3.9	0.925	0.164	0.1497	
								Infiltration			0.3				
960 minute winter	29	480	7.110	0.045	5.1	0.0810	0.0000	OK	3.004	30	4.9	1.138	0.175	0.6290	
								Infiltration			0.2				
960 minute winter	30	480	6.803	0.035	5.1	0.0942	0.0000	OK	3.005	31	5.1	0.139	0.092	1.1966	
960 minute winter	31	525	6.854	0.159	5.3	0.0190	0.0000	OK	3.006	32	4.0	0.081	0.092	1.7558	
								Infiltration			1.2				

960 minute winter	32	525	6.853	0.208	4.2	0.0256	0.0000OK	3.007	33	2.1	0.034	0.001	1.3438
								Infiltration		1.0			
								Infiltration		1.1			
960 minute winter	33	525	6.853	0.078	2.3	0.0094	0.0000OK	3.008	34	2.2	0.141	0.002	0.7333
960 minute winter	34	525	6.853	0.108	2.4	0.0129	0.0000OK	3.009	35	1.7	0.132	0.001	0.9184
								Infiltration		0.8			
960 minute winter	35	525	6.853	0.178	1.9	0.0213	0.0000OK	3.010	36	1.2	0.027	0.000	2.5630
								Infiltration		0.7			
960 minute winter	36	525	6.853	0.348	1.4	0.0397	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000
								Infiltration		1.2			
960 minute winter	37	420	6.508	0.004	0.2	0.0005	0.0000OK	3.012	38	0.2	0.023	0.000	1.0722
960 minute winter	38	585	8.413	0.148	1.5	0.0177	0.0000OK	3.013	39	-1.1	-0.087	-0.001	0.7138
								Infiltration		0.0			
								Infiltration		0.0			
960 minute winter	39	420	6.408	0.011	1.1	0.0013	0.0000OK	3.014	40	-0.9	-0.171	-0.001	0.0710
								Infiltration		0.0			
960 minute winter	40	420	6.704	0.009	0.9	0.0011	0.0000OK	3.015	41	-0.7	-0.152	0.000	0.0594
								Infiltration		0.0			
960 minute winter	41	420	6.874	0.009	0.7	0.0010	0.0000OK	3.016	42	-0.5	-0.129	0.000	0.0499
								Infiltration		0.0			
960 minute winter	42	420	7.692	0.007	0.5	0.0008	0.0000OK	3.017	43	-0.3	-0.084	0.000	0.0488
								Infiltration		0.0			
960 minute winter	43	405	7.153	0.008	0.3	0.0010	0.0000OK	3.018	44	-0.1	-0.041	0.000	0.0383
								Infiltration		0.0			
960 minute winter	44	420	7.229	0.004	0.2	0.0005	0.0000OK	3.019	45	0.1	0.030	0.000	0.0309
960 minute winter	45	420	7.201	0.009	0.3	0.0008	0.0000OK	3.020	46	0.3	0.078	0.000	0.0440
								Infiltration		0.0			
960 minute winter	46	420	7.132	0.007	0.5	0.0008	0.0000OK	3.021	47	0.5	0.115	0.000	0.0550
								Infiltration		0.0			
960 minute winter	47	420	6.974	0.008	0.7	0.0010	0.0000OK	3.022	48	0.6	0.074	0.000	0.7450
								Infiltration		0.0			
960 minute winter	48	600	8.950	0.155	0.8	0.0186	0.0000OK	3.023	49	0.7	0.082	0.001	1.4529
								Infiltration		0.2			
960 minute winter	49	1125	7.922	-0.078	190.8	0.0000	0.0000OK	Crifice	50	0.0			
								Infiltration		0.0			
960 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
960 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
960 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
960 minute winter	53	600	6.950	0.155	0.9	0.0198	0.0000OK	3.024	54	0.8	0.117	0.000	2.5535
								Infiltration		0.2			
960 minute winter	54	600	6.950	0.325	1.0	0.0390	0.0000OK	3.025	54_OUT	0.9	0.032	0.000	5.1497
								Infiltration		0.3			
960 minute winter	54_OUT	600	6.950	0.445	0.7	0.0534	0.0000OK	Infiltration		0.4			

960 minute winter	55	815	8.505	0.063	0.8	0.0202	0.0000OK	5.009	56	0.8	0.253	0.081	0.1456
960 minute winter	56	815	8.505	0.069	1.2	0.3591	0.0000OK	5.001	57	1.1	0.302	0.086	0.3003
								Infiltration		0.2			
960 minute winter	57	815	8.505	0.195	1.7	0.8731	0.0000SURFACE FLOODED	5.002	58	1.3	0.273	0.158	0.5462
								Infiltration		0.3			
960 minute winter	58	815	8.504	0.253	1.9	2.0363	0.0000SURFACE FLOODED	5.003	59	1.3	0.273	0.172	0.3806
								Infiltration		0.5			
960 minute winter	59	815	8.504	0.299	1.9	1.5426	0.0000OK	5.004	60	1.1	0.642	0.002	8.5684
								Infiltration		0.4			
960 minute winter	60	815	8.504	0.319	1.7	0.1085	0.0000OK	5.005	61	0.5	0.028	0.001	11.2059
								Infiltration		0.5			
960 minute winter	61	815	8.504	0.368	1.1	0.1252	0.0000OK	5.006	62	0.0	0.000	0.000	0.0000
								Infiltration		0.7			
960 minute winter	62	815	8.143	0.013	0.6	0.0045	0.0000OK	5.007	63	0.6	0.642	0.000	8.5188
960 minute winter	63	815	8.143	0.313	1.2	0.1095	0.0000OK	5.008	63_OUT	0.2	0.015	0.000	7.3330
								Infiltration		0.7			
960 minute winter	63_OUT	815	8.143	0.384	0.8	0.1308	0.0000OK	Infiltration		0.4			
960 minute winter	64	845	6.528	0.344	0.3	0.0550	0.0000OK	6.000	65	0.2	0.641	0.000	3.4214
960 minute winter	65	845	6.528	0.404	0.5	0.0648	0.0000OK	6.001	66	0.1	0.039	0.000	4.8553
								Infiltration		0.2			
960 minute winter	66	845	6.528	0.433	0.4	0.0939	0.0000OK	6.002	67	-0.1	-0.002	0.000	2.8634
								Infiltration		0.2			
960 minute winter	67	845	6.528	0.453	0.3	0.0702	0.0000OK	6.003	68	0.0	0.000	0.000	0.0000
								Infiltration		0.1			
960 minute winter	68	830	6.137	0.081	0.3	0.0094	0.0000OK	6.004	69	0.3	0.028	0.000	5.9620
960 minute winter	69	830	6.137	0.372	0.6	0.0595	0.0000OK	6.005	70	0.0	0.000	0.000	0.0000
								Infiltration		0.4			
960 minute winter	70	830	5.955	0.200	0.3	0.0326	0.0000OK	6.006	71	0.2	0.034	0.000	1.5881
960 minute winter	71	830	5.955	0.270	0.5	0.0422	0.0000OK	6.007	72	0.2	0.009	0.000	5.1093
								Infiltration		0.1			
960 minute winter	72	830	5.955	0.270	0.5	0.0432	0.0000OK	6.008	73	0.0	0.000	0.000	0.0000
								Infiltration		0.3			
960 minute winter	73	845	6.233	0.528	0.3	0.0845	0.0000OK	6.009	74	0.2	0.018	0.000	3.2483
960 minute winter	74	845	6.233	0.528	0.5	0.0845	0.0000OK	6.010	75	0.2	0.643	0.000	3.6759
								Infiltration		0.1			
960 minute winter	75	845	6.233	0.528	0.4	0.0845	0.0000OK	6.011	76	0.3	0.030	0.000	3.8798
								Infiltration		0.2			
960 minute winter	76	845	6.233	0.598	0.4	0.0909	0.0000OK	6.012	76_OUT	0.1	0.005	0.000	3.9803
								Infiltration		0.2			
960 minute winter	76_OUT	845	6.233	0.598	0.3	0.0957	0.0000OK	Infiltration		0.1			

Results for 100 year +30% 1440 minute summer. 1680 minute analysis at 30 minute timestep. Mass balance: 97.98%

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	750	9.763	0.483	0.3	0.0090	0.0000	FLOOD RISK	1.000	2	-0.3	-0.008	-0.013	0.4653	
1440 minute summer	2	750	9.763	0.513	0.6	0.0090	0.0000	FLOOD RISK	1.001	3	-0.6	-0.016	-0.028	1.1284	
1440 minute summer	3	750	9.763	0.613	0.8	0.0090	0.0000	FLOOD RISK	1.002	4	-0.8	-0.027	-0.040	0.4686	
1440 minute summer	4	750	9.763	0.663	1.0	0.0090	0.0000	FLOOD RISK	1.003	5	-1.0	-0.033	-0.045	0.8441	
1440 minute summer	5	750	9.763	0.783	1.2	0.0090	0.0000	FLOOD RISK	1.004	6	-1.2	-0.064	-0.033	0.1621	
1440 minute summer	6	750	9.763	0.883	13.0	7.1119	0.0000	FLOOD RISK	1.005	7	13.0	0.486	0.268	0.7796	
1440 minute summer	7	750	9.757	1.007	20.5	4.1032	0.0000	FLOOD RISK	1.006	8	20.5	0.475	0.292	2.4923	
1440 minute summer	8	750	9.748	1.198	35.5	8.2229	0.0000	FLOOD RISK	1.007	9	35.5	0.483	0.328	5.9236	
1440 minute summer	9	750	9.737	1.387	60.2	13.4882	0.0000	FLOOD RISK	1.008	10	60.2	0.459	0.254	3.1380	
1440 minute summer	10	750	9.734	1.434	64.9	2.5423	0.0000	FLOOD RISK	1.009	11	64.9	0.427	0.439	47.8613	
1440 minute summer	11	750	9.677	1.677	64.9	0.0000	0.0000	FLOOD RISK	1.010	12	64.9	0.332	0.226	53.3278	
1440 minute summer	12	180	7.750	1.006	64.9	0.0000	0.0000	FLOOD RISK	1.011	13	64.9	0.503	0.331	0.2649	
1440 minute summer	13	750	9.577	0.677	64.9	0.0000	0.0000	OK	1.012	13_OUT	64.9	3.426	0.652	0.1135	
1440 minute summer	13_OUT	1470	7.909	0.358	64.9	0.0000	0.0000	OK	Flow through pond	49	74.7	0.008	0.000	3457.0476	
1440 minute summer	14	750	9.691	0.391	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.1	0.002	0.002	0.8136	
1440 minute summer	15	750	9.691	0.603	9.9	4.7386	0.0000	FLOOD RISK	2.001	16	9.9	0.435	0.204	0.9254	
1440 minute summer	16	750	9.687	0.696	9.9	0.0000	0.0000	FLOOD RISK	2.002	17	9.9	0.441	0.201	0.5320	
1440 minute summer	17	750	9.684	0.826	15.0	2.5611	0.0000	FLOOD RISK	2.003	18	15.0	0.438	0.192	1.8750	
1440 minute summer	18	750	9.681	1.006	27.3	6.2992	0.0000	FLOOD RISK	2.004	19	27.3	0.462	0.217	5.4890	
1440 minute summer	19	750	9.675	1.219	48.5	10.9922	0.0000	FLOOD RISK	2.005	20	48.5	0.466	0.246	4.5628	
1440 minute summer	20	750	9.672	1.261	48.5	0.0000	0.0000	FLOOD RISK	2.006	21	48.5	0.653	0.245	3.4978	
1440 minute summer	21	750	9.670	1.298	48.5	0.0000	0.0000	FLOOD RISK	2.007	22	48.5	0.642	0.081	3.7604	
1440 minute summer	22	750	9.667	1.687	62.2	7.2431	0.0000	FLOOD RISK	2.008	23	62.2	0.319	0.218	53.3017	
1440 minute summer	23	180	7.750	1.600	62.2	0.0000	0.0000	FLOOD RISK	2.009	24	62.2	0.483	0.317	0.2644	
1440 minute summer	24	750	9.573	0.673	62.2	0.0000	0.0000	OK	2.010	24_OUT	62.2	3.382	0.650	0.1101	
1440 minute summer	24_OUT	1470	7.908	0.373	62.2	0.0000	0.0000	OK	Flow through pond	49	74.7	0.008	0.000	3457.0476	
1440 minute summer	25	750	8.821	0.025	1.1	0.0181	0.0000	OK	3.000	26	1.1	0.436	0.001	0.0899	
1440 minute summer	26	750	8.479	0.035	2.2	0.0778	0.0000	OK	3.001	27	1.9	0.594	0.121	0.1292	
								Infiltration			0.3				
1440 minute summer	27	750	8.152	0.037	3.0	0.0999	0.0000	OK	3.002	28	2.7	0.760	0.131	0.1138	
								Infiltration			0.4				
1440 minute summer	28	750	7.734	0.038	3.6	0.0757	0.0000	OK	3.003	29	3.5	0.802	0.148	0.1384	
								Infiltration			0.2				
1440 minute summer	29	750	7.168	0.043	4.6	0.0744	0.0000	OK	3.004	30	4.4	1.106	0.159	0.0270	
								Infiltration			0.3				
1440 minute summer	30	750	6.858	0.033	4.6	0.0040	0.0000	OK	3.005	31	4.6	0.138	0.002	0.9634	
1440 minute summer	31	780	6.824	0.129	4.8	0.0155	0.0000	OK	3.006	32	3.6	0.956	0.002	1.4154	
								Infiltration			1.0				
1440 minute summer	32	780	6.824	0.178	4.0	0.0215	0.0000	OK	3.007	33	2.1	0.036	0.001	1.9356	

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1440 minute summer	57	840	8.448	0.138	1.7	0.5284	0.0000OK	Infiltration		0.1			
1440 minute summer	58	840	8.448	0.204	2.0	1.5032	0.0000OK	Infiltration	58	1.4	0.287	0.178	0.5377
1440 minute summer	59	840	8.448	0.244	1.8	1.4554	0.0000OK	Infiltration	59	1.3	0.268	0.173	0.3906
1440 minute summer	60	840	8.448	0.284	1.7	0.8897	0.0000OK	Infiltration	60	1.1	0.942	0.002	6.8321
1440 minute summer	61	840	8.448	0.313	1.1	0.1084	0.0000OK	Infiltration	61	0.4	0.035	0.000	10.3603
1440 minute summer	62	750	8.147	0.911	0.6	0.0037	0.0000OK	Infiltration	62	0.5	0.000	0.000	0.0000
1440 minute summer	63	840	8.104	0.298	1.2	0.0912	0.0000OK	Infiltration	63	0.6	0.000	0.000	0.0000
1440 minute summer	63_OUT	840	8.104	0.338	0.6	0.1153	0.0000OK	Infiltration	63_OUT	0.7	0.041	0.000	0.8572
1440 minute summer	64	870	6.481	0.278	0.3	0.0442	0.0000OK	Infiltration	64	0.2	0.015	0.000	6.0553
1440 minute summer	65	870	6.481	0.336	0.5	0.0538	0.0000OK	Infiltration	65	0.8	0.000	0.000	0.0000
1440 minute summer	66	870	6.481	0.368	0.4	0.0582	0.0000OK	Infiltration	66	0.4	0.000	0.000	0.0000
1440 minute summer	67	870	6.481	0.383	0.3	0.0597	0.0000OK	Infiltration	67	0.2	0.002	0.000	2.0953
1440 minute summer	68	840	6.101	0.625	0.3	0.0038	0.0000OK	Infiltration	68	0.0	0.000	0.000	0.0000
1440 minute summer	69	840	6.101	0.338	0.6	0.0537	0.0000OK	Infiltration	69	0.1	0.000	0.000	0.0000
1440 minute summer	70	870	5.918	0.155	0.3	0.0247	0.0000OK	Infiltration	70	0.3	0.017	0.000	4.1503
1440 minute summer	71	870	5.918	0.225	0.5	0.0359	0.0000OK	Infiltration	71	0.0	0.000	0.000	0.0000
1440 minute summer	72	870	5.918	0.225	0.5	0.0359	0.0000OK	Infiltration	72	0.3	0.000	0.000	0.0000
1440 minute summer	73	870	6.143	0.438	0.3	0.0791	0.0000OK	Infiltration	73	0.2	0.023	0.000	1.2131
1440 minute summer	74	870	6.143	0.438	0.5	0.0701	0.0000OK	Infiltration	74	0.2	0.008	0.000	4.0016
1440 minute summer	75	870	6.143	0.438	0.4	0.0791	0.0000OK	Infiltration	75	0.1	0.000	0.000	0.0000
1440 minute summer	76	870	6.143	0.508	0.4	0.5772	0.0000OK	Infiltration	76	0.3	0.015	0.000	2.4575
1440 minute summer	76_OUT	870	6.143	0.508	0.3	0.0810	0.0000OK	Infiltration	76_OUT	0.2	0.048	0.000	2.7828
1440 minute summer	77	870	6.143	0.508	0.3	0.0810	0.0000OK	Infiltration	77	0.1	0.020	0.000	2.9859
1440 minute summer	78	870	6.143	0.508	0.3	0.0810	0.0000OK	Infiltration	78	0.1	0.003	0.000	3.1045
1440 minute summer	78_OUT	870	6.143	0.508	0.3	0.0810	0.0000OK	Infiltration	78_OUT	0.1	0.000	0.000	0.0000

Results for 100 year +30% 1440 minute winter, 1800 minute analysis at 30 minute timestep. Mass balance: 98.18%

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	9.874	0.374	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	0.001	0.002	0.4653	
1440 minute winter	2	750	9.874	0.424	1.8	0.0000	0.0000	FLOOD RISK	1.001	3	-1.9	-0.129	-0.094	1.1284	
1440 minute winter	3	750	9.874	0.524	3.6	0.0000	0.0000	FLOOD RISK	1.002	4	-3.6	-0.129	-0.172	0.4686	
1440 minute winter	4	750	9.874	0.574	4.3	0.0000	0.0000	FLOOD RISK	1.003	5	-4.3	-0.137	-0.186	0.8441	
1440 minute winter	5	750	9.874	0.674	4.5	0.0000	0.0000	FLOOD RISK	1.004	6	-4.5	-0.145	-0.122	0.1621	
1440 minute winter	6	750	9.874	0.774	9.8	6.3780	0.0000	FLOOD RISK	1.005	7	9.8	0.514	0.200	0.7796	
1440 minute winter	7	750	9.870	0.920	15.4	3.7509	0.0000	FLOOD RISK	1.006	8	15.4	0.480	0.220	2.4920	
1440 minute winter	8	750	9.865	1.115	26.7	7.6556	0.0000	FLOOD RISK	1.007	9	26.7	0.496	0.247	5.9236	
1440 minute winter	9	750	9.858	1.308	45.0	12.7004	0.0000	FLOOD RISK	1.008	10	45.3	0.476	0.191	3.1080	
1440 minute winter	10	750	9.857	1.357	48.8	2.4666	0.0000	FLOOD RISK	1.009	11	48.8	0.468	0.330	47.8813	
1440 minute winter	11	750	9.825	1.825	48.8	0.0000	0.0000	FLOOD RISK	1.010	12	48.8	0.441	0.169	53.3278	
1440 minute winter	12	180	7.750	1.000	48.8	0.0000	0.0000	FLOOD RISK	1.011	13	48.8	0.385	0.249	0.2607	
1440 minute winter	13	750	9.867	0.967	48.8	0.0000	0.0000	OK	1.012	13_OUT	48.8	3.144	0.039	0.0930	
1440 minute winter	13_OUT	1440	7.983	0.430	48.8	0.0000	0.0000	OK	Flow through pond		49	82.7	0.010	0.000	3922.2524
1440 minute winter	14	750	9.833	0.333	0.3	0.0000	0.0000	FLOOD RISK	2.000	15	-0.3	-0.010	-0.010	0.8136	
1440 minute winter	15	750	9.833	0.547	7.5	4.3377	0.0000	FLOOD RISK	2.001	16	7.5	0.445	0.155	0.9254	
1440 minute winter	16	750	9.831	0.540	7.5	0.0000	0.0000	FLOOD RISK	2.002	17	7.5	0.449	0.152	0.6320	
1440 minute winter	17	750	9.828	0.770	11.3	2.3899	0.0000	FLOOD RISK	2.003	18	11.3	0.454	0.145	1.8750	
1440 minute winter	18	750	9.827	0.948	20.6	5.9527	0.0000	FLOOD RISK	2.004	19	20.6	0.489	0.164	5.4896	
1440 minute winter	19	750	9.824	1.188	36.6	10.5215	0.0000	FLOOD RISK	2.005	20	36.6	0.491	0.188	4.0628	
1440 minute winter	20	750	9.822	1.211	36.6	0.0000	0.0000	FLOOD RISK	2.006	21	36.6	0.590	0.185	3.4978	
1440 minute winter	21	750	9.821	1.248	36.6	0.0000	0.0000	FLOOD RISK	2.007	22	36.6	0.599	0.061	3.7404	
1440 minute winter	22	750	9.820	1.920	46.9	7.5353	0.0000	FLOOD RISK	2.008	23	46.9	0.285	0.163	53.3017	
1440 minute winter	23	180	7.750	1.000	46.9	0.0000	0.0000	FLOOD RISK	2.009	24	46.9	0.371	0.219	0.2603	
1440 minute winter	24	750	9.588	0.088	46.9	0.0000	0.0000	OK	2.010	24_OUT	46.9	3.108	0.038	0.0903	
1440 minute winter	24_OUT	1530	7.959	0.425	46.9	0.0000	0.0000	OK	Flow through pond		49	82.7	0.010	0.000	3922.2524
1440 minute winter	25	690	8.813	0.022	0.6	0.0138	0.0000	OK	3.000	26	0.6	0.402	0.045	0.0710	
1440 minute winter	26	690	8.465	0.030	1.6	0.0586	0.0000	OK	3.001	27	1.4	0.541	0.086	0.1608	
									Infiltration			0.2			
1440 minute winter	27	690	8.148	0.031	2.2	0.0735	0.0000	OK	3.002	28	1.9	0.686	0.092	0.0882	
									Infiltration			0.3			
1440 minute winter	28	690	7.728	0.033	2.7	0.0587	0.0000	OK	3.003	29	2.5	0.619	0.104	0.1074	
									Infiltration			0.2			
1440 minute winter	29	690	7.100	0.035	3.3	0.0551	0.0000	OK	3.004	30	3.1	1.006	0.111	0.0208	
									Infiltration			0.2			
1440 minute winter	30	720	6.862	0.027	3.3	0.0032	0.0000	OK	3.005	31	3.3	0.138	0.001	0.7587	
1440 minute winter	31	690	6.860	0.105	3.5	0.0126	0.0000	OK	3.006	32	2.7	0.056	0.002	1.1446	
									Infiltration			0.8			
1440 minute winter	32	690	6.798	0.154	2.9	0.0185	0.0000	OK	3.007	33	1.3	0.024	0.001	0.7920	

									infiltration					0.8			
									infiltration					0.9			
1440 minute winter	33		698	6.798	0.024	1.5	0.0029	0.0000	OK	3.008	34		1.5	0.125	0.001	0.1887	
1440 minute winter	34		780	6.789	0.036	1.7	0.0042	0.0000	OK	3.009	35		1.3	0.141	0.001	0.4017	
									infiltration					0.4			
1440 minute winter	35		789	6.778	0.104	1.5	0.0125	0.0000	OK	3.010	36		0.9	0.017	0.000	1.7682	
									infiltration					0.5			
1440 minute winter	36		780	6.779	0.274	1.1	0.0313	0.0000	OK	3.011	37		0.0	0.000	0.000	0.0000	
									infiltration					1.0			
1440 minute winter	37		720	6.509	0.004	0.2	0.0005	0.0000	OK	3.012	38		0.2	0.011	0.000	1.0679	
1440 minute winter	38		780	6.412	0.147	1.5	0.0177	0.0000	OK	3.013	39		-1.1	-0.045	-0.001	0.7109	
									infiltration					0.6			
									infiltration					0.8			
1440 minute winter	39		720	6.496	0.011	1.1	0.0013	0.0000	OK	3.014	40		-0.9	-0.171	-0.001	0.0710	
									infiltration					0.0			
1440 minute winter	40		720	6.704	0.008	0.9	0.0011	0.0000	OK	3.015	41		-0.7	-0.152	0.000	0.0594	
									infiltration					0.0			
1440 minute winter	41		720	6.874	0.009	0.7	0.0010	0.0000	OK	3.016	42		-0.5	-0.129	0.000	0.0499	
									infiltration					0.0			
1440 minute winter	42		720	7.592	0.007	0.5	0.0008	0.0000	OK	3.017	43		-0.3	-0.084	0.000	0.0458	
									infiltration					0.0			
1440 minute winter	43		720	7.153	0.008	0.3	0.0010	0.0000	OK	3.018	44		-0.1	-0.041	0.000	0.0383	
									infiltration					0.0			
1440 minute winter	44		720	7.228	0.004	0.2	0.0005	0.0000	OK	3.019	45		0.1	0.030	0.000	0.0309	
1440 minute winter	45		720	7.201	0.008	0.3	0.0008	0.0000	OK	3.020	46		0.3	0.078	0.000	0.0440	
									infiltration					0.0			
1440 minute winter	46		720	7.132	0.007	0.5	0.0008	0.0000	OK	3.021	47		0.5	0.115	0.000	0.0550	
									infiltration					0.0			
1440 minute winter	47		720	6.974	0.008	0.7	0.0010	0.0000	OK	3.022	48		0.6	0.090	0.000	0.0492	
									infiltration					0.0			
1440 minute winter	48		810	6.915	0.129	0.8	0.0144	0.0000	OK	3.023	49		0.9	0.065	0.001	1.0721	
									infiltration					0.1			
1440 minute winter	49		1590	7.953	-0.047	114.6	0.0000	0.0000	OK	Orifice	50		0.0				
									infiltration					0.0			
1440 minute winter	50		30	7.400	0.003	0.0	0.0000	0.0000	OK	4.001	51		0.0	0.000	0.000	0.0000	
1440 minute winter	51		30	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52		0.0	0.000	0.000	0.0000	
1440 minute winter	52		30	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53		0.0	0.000	0.000	0.0000	
1440 minute winter	53		810	6.915	0.130	0.8	0.0156	0.0000	OK	3.024	54		0.5	0.104	0.000	2.1800	
									infiltration					0.2			
1440 minute winter	54		810	6.915	0.280	0.7	0.0348	0.0000	OK	3.025	54_OUT		0.4	0.029	0.000	4.4980	
									infiltration					0.3			
1440 minute winter	54_OUT		810	6.915	0.418	0.5	0.0492	0.0000	OK	infiltration				0.4			
1440 minute winter	55		660	8.470	0.024	0.4	0.0080	0.0000	OK	5.000	56		0.4	0.224	0.054	0.0300	
1440 minute winter	56		660	8.440	0.034	0.8	0.0531	0.0000	OK	5.001	57		0.7	0.282	0.056	0.1711	

1440 minute winter	57	875	8.427	0.117	1.1	0.3982	0.0000 OK	Infiltration	0.1				
								5.002	58	1.0	0.267	0.127	0.5019
1440 minute winter	58	875	8.427	0.182	1.4	1.3600	0.0000 SURCHARGED	Infiltration	0.3				
								5.003	59	0.9	0.267	0.119	0.3908
1440 minute winter	59	875	8.427	0.222	1.3	1.2398	0.0000 OK	Infiltration	0.5				
								5.004	60	0.7	0.042	0.001	5.8727
1440 minute winter	60	875	8.427	0.242	1.1	0.0822	0.0000 OK	Infiltration	0.3				
								5.005	61	0.4	0.025	0.000	0.2940
1440 minute winter	61	875	8.427	0.291	0.8	0.0888	0.0000 OK	Infiltration	0.4				
								5.006	62	0.0	0.000	0.000	0.0000
1440 minute winter	62	895	8.145	0.008	0.4	0.0528	0.0000 OK	Infiltration	0.6				
								5.007	63	0.4	0.041	0.000	5.3858
1440 minute winter	63	875	8.090	0.254	0.8	0.0894	0.0000 OK	Infiltration	5.008	63_OUT	0.2	0.017	0.000
													5.8734
1440 minute winter	63_OUT	875	8.093	0.325	0.4	0.1105	0.0000 OK	Infiltration	0.6				
1440 minute winter	64	905	6.468	0.281	0.2	0.0448	0.0000 OK	Infiltration	0.4				
								5.009	65	0.1	0.040	0.000	2.8387
1440 minute winter	65	905	6.468	0.341	0.3	0.0545	0.0000 OK	Infiltration	5.001	66	0.2	0.022	0.000
													3.6829
1440 minute winter	66	905	6.468	0.373	0.3	0.0588	0.0000 OK	Infiltration	0.2				
								5.002	67	-0.1	0.002	0.000	2.1328
1440 minute winter	67	905	6.466	0.338	0.2	0.0604	0.0000 OK	Infiltration	0.2				
								5.003	68	0.0	0.000	0.000	0.0000
1440 minute winter	68	875	6.595	0.018	0.2	0.0030	0.0000 OK	Infiltration	0.1				
								5.004	69	0.2	0.017	0.000	4.0175
1440 minute winter	69	875	6.595	0.333	0.4	0.0528	0.0000 OK	Infiltration	5.005	70	0.0	0.000	0.0000
1440 minute winter	70	905	5.908	0.151	0.2	0.0242	0.0000 OK	Infiltration	0.3				
								5.006	71	0.2	0.023	0.000	1.1872
1440 minute winter	71	905	5.908	0.221	0.4	0.0354	0.0000 OK	Infiltration	5.007	72	0.2	0.068	0.000
													3.9259
1440 minute winter	72	905	5.908	0.221	0.4	0.0354	0.0000 OK	Infiltration	0.1				
								5.008	73	0.0	0.000	0.000	0.0000
1440 minute winter	73	905	6.155	0.453	0.2	0.0721	0.0000 OK	Infiltration	0.3				
								5.009	74	0.1	0.015	0.000	2.5608
1440 minute winter	74	905	6.155	0.450	0.3	0.0721	0.0000 OK	Infiltration	5.010	75	0.2	0.040	0.000
													2.6898
1440 minute winter	75	905	6.155	0.453	0.3	0.0721	0.0000 OK	Infiltration	0.1				
								5.011	76	0.2	0.020	0.000	3.1030
1440 minute winter	76	905	6.155	0.520	0.3	0.0791	0.0000 OK	Infiltration	0.1				
								5.012	76_OUT	0.1	0.003	0.000	3.2198
1440 minute winter	76_OUT	905	6.155	0.520	0.2	0.0830	0.0000 OK	Infiltration	0.1				

Results for 100 year +30% 2160 minute summer. 2400 minute analysis at 60 minute timestep. Mass balance: 98.89%

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)
2160 minute summer	1	1140	9.656	0.358	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	-0.001	-0.002	0.4653	
2160 minute summer	2	1140	9.656	0.408	0.0	0.0000	0.0000	FLOOD RISK	1.001	3	0.0	0.001	0.002	1.1264	
2160 minute summer	3	1140	9.656	0.506	0.1	0.0000	0.0000	FLOOD RISK	1.002	4	0.1	0.002	0.003	0.4688	
2160 minute summer	4	1140	9.656	0.556	0.1	0.0000	0.0000	FLOOD RISK	1.003	5	0.1	0.003	0.004	0.8441	
2160 minute summer	5	1140	9.656	0.656	0.1	0.0000	0.0000	FLOOD RISK	1.004	6	0.1	0.004	0.003	0.1821	
2160 minute summer	6	1140	9.656	0.756	9.0	6.2316	0.0000	FLOOD RISK	1.005	7	9.0	0.438	0.186	0.7796	
2160 minute summer	7	1140	9.653	0.903	14.2	3.8807	0.0000	FLOOD RISK	1.006	8	14.2	0.433	0.262	2.4923	
2160 minute summer	8	1140	9.649	1.099	24.7	7.5428	0.0000	FLOOD RISK	1.007	9	24.7	0.437	0.229	5.9230	
2160 minute summer	9	1140	9.644	1.294	41.9	12.5792	0.0000	FLOOD RISK	1.008	10	41.9	0.410	0.177	3.1360	
2160 minute summer	10	1140	9.642	1.342	45.1	2.3795	0.0000	FLOOD RISK	1.009	11	45.1	0.389	0.306	47.8613	
2160 minute summer	11	1140	9.614	1.614	45.1	0.0000	0.0000	FLOOD RISK	1.010	12	45.1	0.231	0.157	63.3278	
2160 minute summer	12	300	7.750	1.006	45.1	0.0000	0.0000	FLOOD RISK	1.011	13	45.1	0.358	0.230	0.2596	
2160 minute summer	13	1140	9.584	0.684	45.1	0.0000	0.0000	OK	1.012	13_OUT	45.1	3.099	0.036	0.0880	
2160 minute summer	13_OUT	2160	7.939	0.408	45.1	0.0000	0.0000	OK	Flow through pond	48	59.8	0.006	0.000	3748.6536	
2160 minute summer	14	1140	9.621	0.321	0.5	0.0000	0.0000	FLOOD RISK	2.000	15	-0.5	-0.027	-0.016	0.8136	
2160 minute summer	15	1140	9.621	0.533	5.9	4.2443	0.0000	FLOOD RISK	2.001	16	6.9	0.368	0.142	0.9254	
2160 minute summer	16	1140	9.619	0.638	5.9	0.0000	0.0000	FLOOD RISK	2.002	17	6.9	0.394	0.140	0.6320	
2160 minute summer	17	1140	9.618	0.758	10.5	2.3553	0.0000	FLOOD RISK	2.003	18	10.5	0.393	0.134	1.8750	
2160 minute summer	18	1140	9.616	0.935	19.1	5.8841	0.0000	FLOOD RISK	2.004	19	19.1	0.421	0.152	5.4890	
2160 minute summer	19	1140	9.613	1.157	33.9	10.4374	0.0000	FLOOD RISK	2.005	20	33.9	0.410	0.172	4.0828	
2160 minute summer	20	1140	9.612	1.201	33.9	0.0000	0.0000	FLOOD RISK	2.006	21	33.8	0.577	0.171	3.4978	
2160 minute summer	21	1140	9.611	1.236	33.9	0.0000	0.0000	FLOOD RISK	2.007	22	33.9	0.583	0.057	3.7404	
2160 minute summer	22	1140	9.610	1.610	43.4	6.9926	0.0000	FLOOD RISK	2.008	23	43.4	0.222	0.151	53.3017	
2160 minute summer	23	300	7.750	1.600	43.4	0.0000	0.0000	FLOOD RISK	2.009	24	43.4	0.345	0.221	0.2694	
2160 minute summer	24	1140	9.583	0.653	43.4	0.0000	0.0000	OK	2.010	24_OUT	43.4	3.033	0.036	0.0857	
2160 minute summer	24_OUT	2220	7.940	0.407	43.4	0.0000	0.0000	OK	Flow through pond	49	59.9	0.006	0.000	3748.6536	
2160 minute summer	25	1140	8.818	0.022	0.6	0.0138	0.0000	OK	3.000	26	0.6	0.402	0.045	0.0710	
2160 minute summer	26	1140	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				
2160 minute summer	27	1140	8.146	0.031	2.2	0.0735	0.0000	OK	3.002	28	1.9	0.666	0.082	0.0882	
								Infiltration			0.3				
2160 minute summer	28	1140	7.728	0.033	2.7	0.0557	0.0000	OK	3.003	29	2.5	0.819	0.104	0.1074	
								Infiltration			0.2				
2160 minute summer	29	1140	7.100	0.033	3.3	0.0551	0.0000	OK	3.004	30	3.1	1.008	0.111	0.0266	
								Infiltration			0.2				
2160 minute summer	30	1140	6.852	0.027	3.2	0.0032	0.0000	OK	3.005	31	3.2	0.138	0.001	0.7352	
2160 minute summer	31	1140	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				
2160 minute summer	32	1140	6.786	0.151	2.6	0.0182	0.0000	OK	3.007	33	0.8	0.018	0.001	0.7640	

								Infiltration			0.8			
								Infiltration			0.8			
2160 minute summer	33	1140	8.790	0.021	1.0	0.0026	0.0000OK	3.008	34	1.0	0.113	0.001	0.1156	
2160 minute summer	34	1080	8.758	0.013	1.1	0.0016	0.0000OK	3.009	35	0.8	0.141	0.000	0.1420	
								Infiltration			0.2			
2160 minute summer	35	1140	8.716	0.041	1.0	0.0050	0.0000OK	3.010	36	0.9	0.016	0.000	1.1076	
								Infiltration			0.3			
2160 minute summer	36	1140	8.716	0.211	1.0	0.0241	0.0000OK	3.011	37	0.0	0.000	0.000	0.0000	
								Infiltration			0.8			
2160 minute summer	37	980	8.508	0.003	0.1	0.0003	0.0000OK	3.012	38	0.1	0.006	0.000	0.5365	
2160 minute summer	38	1200	8.347	0.082	0.7	0.0098	0.0000OK	3.013	39	-0.5	-0.030	0.000	0.3605	
								Infiltration			0.3			
								Infiltration			0.4			
2160 minute summer	39	980	8.452	0.007	0.5	0.0009	0.0000OK	3.014	40	-0.4	-0.130	0.000	0.0461	
								Infiltration			0.0			
2160 minute summer	40	980	8.701	0.006	0.4	0.0007	0.0000OK	3.015	41	-0.3	-0.118	0.000	0.0388	
								Infiltration			0.0			
2160 minute summer	41	980	8.871	0.006	0.3	0.0007	0.0000OK	3.016	42	-0.2	-0.097	0.000	0.0324	
								Infiltration			0.0			
2160 minute summer	42	980	7.689	0.004	0.3	0.0005	0.0000OK	3.017	43	-0.2	-0.064	0.000	0.0319	
								Infiltration			0.0			
2160 minute summer	43	980	7.150	0.005	0.2	0.0006	0.0000OK	3.018	44	-0.1	-0.031	0.000	0.0251	
								Infiltration			0.0			
2160 minute summer	44	980	7.228	0.003	0.1	0.0003	0.0000OK	3.019	45	0.0	0.023	0.000	0.0202	
2160 minute summer	45	980	7.199	0.004	0.1	0.0005	0.0000OK	3.020	46	0.1	0.059	0.000	0.0285	
								Infiltration			0.0			
2160 minute summer	46	980	7.130	0.005	0.2	0.0005	0.0000OK	3.021	47	0.2	0.087	0.000	0.0357	
								Infiltration			0.0			
2160 minute summer	47	980	8.971	0.006	0.3	0.0007	0.0000OK	3.022	48	0.3	0.058	0.000	0.1702	
								Infiltration			0.0			
2160 minute summer	48	1320	6.834	0.038	0.4	0.0047	0.0000OK	3.023	50	0.4	0.065	0.001	0.3300	
								Infiltration			0.0			
2160 minute summer	49	2400	7.933	-0.067	85.8	0.0000	0.0000OK	Office	50	0.0				
								Infiltration			0.0			
2160 minute summer	50	80	7.400	0.000	0.0	0.0000	0.0000OK	4.001	51	0.0	0.000	0.000	0.0000	
2160 minute summer	51	80	7.300	0.000	0.0	0.0000	0.0000OK	4.002	52	0.0	0.000	0.000	0.0000	
2160 minute summer	52	50	7.200	0.000	0.0	0.0000	0.0000OK	4.003	53	0.0	0.000	0.000	0.0000	
2160 minute summer	53	1320	6.834	0.048	0.5	0.0059	0.0000OK	3.024	54	0.5	0.112	0.000	1.2285	
								Infiltration			0.1			
2160 minute summer	54	1320	6.834	0.209	0.6	0.0251	0.0000OK	3.025	54_OUT	0.5	0.013	0.000	3.1458	
								Infiltration			0.2			
2160 minute summer	54_OUT	1320	6.834	0.329	0.6	0.0385	0.0000OK	Infiltration			0.3			
2160 minute summer	55	1140	8.470	0.024	0.4	0.0080	0.0000OK	5.000	56	0.4	0.224	0.054	0.0300	
2160 minute summer	56	1140	8.440	0.024	0.6	0.0531	0.0000OK	5.001	57	0.7	0.282	0.056	0.1181	

2160 minute summer	57	1260	8.391	0.081	1.1	0.2010	0.0000OK	Infiltration	5.052	58	1.0	0.267	0.126	0.4223
2160 minute summer	58	1260	8.391	0.146	1.4	0.9778	0.0000OK	Infiltration	5.003	59	0.8	0.251	0.117	0.3892
2160 minute summer	59	1260	8.391	0.188	1.3	1.0491	0.0000OK	Infiltration	5.004	60	0.7	0.041	0.001	4.7206
2160 minute summer	60	1260	8.391	0.206	1.1	0.9700	0.0000OK	Infiltration	5.005	61	0.4	0.026	0.000	7.6634
2160 minute summer	61	1260	8.391	0.253	0.8	0.5886	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
2160 minute summer	62	1140	8.143	0.008	0.4	0.0028	0.0000OK	Infiltration	5.007	63	0.4	0.040	0.000	5.3930
2160 minute summer	63	1260	8.060	0.224	0.8	0.0780	0.0000OK	Infiltration	5.008	63_OUT	0.1	0.014	0.000	4.8866
2160 minute summer	63_OUT	1260	8.060	0.265	0.4	0.1002	0.0000OK	Infiltration	5.009		0.5			
2160 minute summer	64	1260	6.437	0.252	0.2	0.0450	0.0000OK	Infiltration	8.000	65	0.1	0.024	0.000	2.3683
2160 minute summer	65	1260	6.437	0.312	0.3	0.0499	0.0000OK	Infiltration	8.001	66	0.1	0.005	0.000	3.2997
2160 minute summer	66	1260	6.437	0.344	0.3	0.0543	0.0000OK	Infiltration	8.002	67	-0.1	0.001	0.000	1.9060
2160 minute summer	67	1260	6.437	0.381	0.2	0.0559	0.0000OK	Infiltration	8.003	68	0.0	0.000	0.000	0.0000
2160 minute summer	68	1260	6.081	0.005	0.2	0.0057	0.0000OK	Infiltration	8.004	69	0.2	0.009	0.000	3.6703
2160 minute summer	69	1260	6.081	0.316	0.4	0.0525	0.0000OK	Infiltration	8.005	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	8.006	71	0.2	0.014	0.000	1.0210
2160 minute summer	71	1260	5.885	0.206	0.4	0.0320	0.0000OK	Infiltration	8.007	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	8.008	73	0.0	0.000	0.000	0.0000
2160 minute summer	73	1440	6.120	0.415	0.2	0.0655	0.0000OK	Infiltration	8.009	74	0.1	0.013	0.000	2.2758
2160 minute summer	74	1440	6.120	0.415	0.3	0.0685	0.0000OK	Infiltration	8.010	75	0.1	0.018	0.000	2.5771
2160 minute summer	75	1440	6.120	0.415	0.3	0.0655	0.0000OK	Infiltration	8.011	76	0.1	0.008	0.000	2.7793
2160 minute summer	76	1440	6.120	0.485	0.3	0.0738	0.0000OK	Infiltration	8.012	76_OUT	0.1	0.001	0.000	2.9014
2160 minute summer	76_OUT	1440	6.120	0.485	0.2	0.0777	0.0000OK	Infiltration	8.013		0.1			

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2160 minute winter	32	1140	6.785	0.140	1.8	0.0188	0.0000	OK	3.087	33	0.2	0.094	0.000	0.6599
									Infiltration		0.8			
									Infiltration		0.9			
2160 minute winter	33	1200	6.785	0.010	0.3	0.0012	0.0000	OK	3.088	34	0.3	0.068	0.000	0.6570
2160 minute winter	34	1200	6.752	0.007	0.4	0.0006	0.0000	OK	3.089	35	0.3	0.096	0.000	0.6320
									Infiltration		0.1			
2160 minute winter	35	1200	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			
2160 minute winter	36	1200	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			
2160 minute winter	37	840	6.508	0.003	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.006	0.000	0.5365
2160 minute winter	38	1080	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			
2160 minute winter	39	840	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			
2160 minute winter	40	840	6.701	0.000	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0386
									Infiltration		0.0			
2160 minute winter	41	840	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			
2160 minute winter	42	840	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			
2160 minute winter	43	840	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			
2160 minute winter	44	840	7.228	0.003	0.1	0.0003	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202
2160 minute winter	45	840	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			
2160 minute winter	46	840	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			
2160 minute winter	47	840	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.058	0.000	0.1930
									Infiltration		0.0			
2160 minute winter	48	1440	6.640	0.045	0.4	0.0054	0.0000	OK	3.023	53	0.4	0.055	0.001	0.3752
									Infiltration		0.0			
2160 minute winter	49	2280	7.986	-0.012	110.8	0.0000	0.0000	OK	3.024	50	0.0			
									Infiltration		0.0			
2160 minute winter	50	60	7.400	0.000	0.0	0.0000	0.0000	OK	4.001	51	0.0	0.000	0.000	0.0000
2160 minute winter	51	60	7.300	0.000	0.0	0.0000	0.0000	OK	4.002	52	0.0	0.000	0.000	0.0000
2160 minute winter	52	80	7.200	0.000	0.0	0.0000	0.0000	OK	4.003	53	0.0	0.000	0.000	0.0000
2160 minute winter	53	1440	6.840	0.055	0.5	0.0005	0.0000	OK	3.024	54	0.5	0.112	0.000	1.2883
									Infiltration		0.1			
2160 minute winter	54	1440	6.640	0.215	0.6	0.0257	0.0000	OK	3.025	54_OUT	0.6	0.013	0.000	3.2328
									Infiltration		0.2			
2160 minute winter	54_OUT	1440	6.640	0.335	0.6	0.0401	0.0000	OK	Infiltration		0.3			

2160 minute winter	55	1020	8.466	0.020	0.3	0.0076	0.0000	OK	5.090	56	0.3	0.297	0.041	0.0243
2160 minute winter	56	1020	8.437	0.021	0.8	0.0408	0.0000	OK	5.091	57	0.5	0.259	0.041	0.0808
									Infiltration		0.1			
2160 minute winter	57	1250	8.387	0.057	0.8	0.1074	0.0000	OK	5.092	58	0.7	0.238	0.093	0.3339
									Infiltration		0.1			
2160 minute winter	58	1250	8.367	0.122	1.0	0.7719	0.0000	OK	5.093	59	0.7	0.251	0.097	0.3852
									Infiltration		0.4			
2160 minute winter	59	1250	8.367	0.182	1.0	0.8875	0.0000	OK	5.094	60	0.8	0.041	0.001	3.9951
									Infiltration		0.3			
2160 minute winter	60	1250	8.367	0.182	0.9	0.0810	0.0000	OK	5.095	61	0.3	0.020	0.000	8.6416
									Infiltration		0.4			
2160 minute winter	61	1250	8.367	0.231	0.8	0.5784	0.0000	OK	5.096	62	0.0	0.000	0.000	0.0000
									Infiltration		0.8			
2160 minute winter	62	1080	8.143	0.037	6.3	0.0024	0.0000	OK	5.097	63	6.3	0.040	0.000	4.9085
2160 minute winter	63	1250	8.044	0.208	0.5	0.0706	0.0000	OK	5.098	63_OUT	0.1	0.014	0.000	4.4917
									Infiltration		0.5			
2160 minute winter	63_OUT	1280	8.044	0.279	0.4	0.0947	0.0000	OK	Infiltration		0.3			
2160 minute winter	64	1200	6.387	0.292	0.2	0.0324	0.0000	OK	5.099	65	0.1	0.024	0.000	1.7846
2160 minute winter	65	1200	6.387	0.282	0.3	0.0420	0.0000	OK	5.091	66	0.1	0.005	0.000	2.6108
									Infiltration		0.1			
2160 minute winter	66	1200	6.387	0.294	0.3	0.0455	0.0000	OK	5.092	67	-0.1	0.002	0.000	1.5432
									Infiltration		0.2			
2160 minute winter	67	1200	6.387	0.311	0.2	0.0482	0.0000	OK	5.093	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
2160 minute winter	68	1140	6.089	0.004	6.2	0.0007	0.0000	OK	5.094	69	6.2	0.009	0.000	3.9920
2160 minute winter	69	1250	6.044	0.279	0.4	0.0446	0.0000	OK	5.095	70	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
2160 minute winter	70	1200	5.844	0.009	0.2	0.0143	0.0000	OK	5.096	71	0.2	0.014	0.000	0.7234
2160 minute winter	71	1200	5.844	0.159	0.4	0.0255	0.0000	OK	5.097	72	0.1	0.006	0.000	2.5789
									Infiltration		0.1			
2160 minute winter	72	1200	5.844	0.159	0.3	0.0255	0.0000	OK	5.098	73	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
2160 minute winter	73	1580	6.086	0.381	0.2	0.0609	0.0000	OK	5.099	74	0.1	0.013	0.000	2.0052
2160 minute winter	74	1580	6.086	0.381	0.3	0.0609	0.0000	OK	5.010	75	0.1	0.019	0.000	2.2706
									Infiltration		0.1			
2160 minute winter	75	1550	6.088	0.381	0.3	0.0609	0.0000	OK	5.011	76	0.1	0.006	0.000	2.4706
									Infiltration		0.1			
2160 minute winter	76	1580	6.086	0.451	0.3	0.0885	0.0000	OK	5.012	76_OUT	0.1	0.001	0.000	2.5974
									Infiltration		0.1			
2160 minute winter	76_OUT	1560	6.088	0.451	0.2	0.0721	0.0000	OK	Infiltration		0.1			

Results for 100 year +30% 2880 minute summer. 3120 minute analysis at 60 minute timestep. Mass balance: 98.18%

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	9.621	0.321	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.002	-0.002	0.4853	
2880 minute summer	2	1500	9.621	0.371	0.0	0.0000	0.0000	FLOOD RISK	1.001	3	0.0	0.001	0.002	1.1264	
2880 minute summer	3	1500	9.621	0.471	0.3	0.0000	0.0000	FLOOD RISK	1.002	4	-0.3	-0.005	-0.015	0.4988	
2880 minute summer	4	1500	9.622	0.522	0.9	0.0000	0.0000	FLOOD RISK	1.003	5	-0.9	-0.048	-0.038	0.8441	
2880 minute summer	5	1500	9.621	0.621	1.3	0.0000	0.0000	FLOOD RISK	1.004	6	-1.3	-0.043	-0.036	0.1821	
2880 minute summer	6	1500	9.621	0.721	7.4	5.9457	0.0000	FLOOD RISK	1.005	7	7.4	0.406	0.153	0.7796	
2880 minute summer	7	1500	9.619	0.858	11.7	3.5432	0.0000	FLOOD RISK	1.006	8	11.7	0.401	0.157	2.4923	
2880 minute summer	8	1500	9.610	1.088	20.3	7.3293	0.0000	FLOOD RISK	1.007	9	20.3	0.395	0.188	5.9230	
2880 minute summer	9	1500	9.613	1.283	34.4	12.2801	0.0000	FLOOD RISK	1.008	10	34.4	0.383	0.145	3.1360	
2880 minute summer	10	1500	9.612	1.312	37.1	2.3258	0.0000	FLOOD RISK	1.009	11	37.1	0.353	0.251	47.8813	
2880 minute summer	11	1500	9.593	1.593	37.1	0.0000	0.0000	FLOOD RISK	1.010	12	37.1	0.190	0.129	63.3278	
2880 minute summer	12	360	7.750	1.008	37.1	0.0000	0.0000	FLOOD RISK	1.011	13	37.1	0.297	0.189	0.2573	
2880 minute summer	13	1500	9.558	0.658	37.1	0.0000	0.0000	OK	1.012	13_OUT	37.1	2.891	0.030	0.0769	
2880 minute summer	13_OUT	2940	7.988	0.438	37.1	0.0000	0.0000	OK	Flow through pond	48	83.4	0.005	0.000	4001.6077	
2880 minute summer	14	1500	9.597	0.297	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.0	-0.001	-0.001	0.8130	
2880 minute summer	15	1500	9.597	0.511	5.7	4.0510	0.0000	FLOOD RISK	2.001	16	5.7	0.361	0.118	0.9254	
2880 minute summer	16	1500	9.596	0.605	5.7	0.0000	0.0000	FLOOD RISK	2.002	17	5.7	0.370	0.116	0.6320	
2880 minute summer	17	1500	9.595	0.736	8.6	2.2830	0.0000	FLOOD RISK	2.003	18	8.6	0.376	0.110	1.8750	
2880 minute summer	18	1500	9.594	0.913	15.6	5.7410	0.0000	FLOOD RISK	2.004	19	15.6	0.363	0.124	5.4890	
2880 minute summer	19	1500	9.592	1.138	27.7	10.2411	0.0000	FLOOD RISK	2.005	20	27.7	0.380	0.140	4.0828	
2880 minute summer	20	1500	9.591	1.180	27.7	0.0000	0.0000	FLOOD RISK	2.006	21	27.7	0.532	0.140	3.4978	
2880 minute summer	21	1500	9.590	1.218	27.7	0.0000	0.0000	FLOOD RISK	2.007	22	27.7	0.545	0.046	3.7404	
2880 minute summer	22	1500	9.588	1.588	35.5	6.9034	0.0000	FLOOD RISK	2.008	23	35.5	0.182	0.123	53.3017	
2880 minute summer	23	360	7.750	1.600	35.5	0.0000	0.0000	FLOOD RISK	2.009	24	35.5	0.285	0.181	0.2671	
2880 minute summer	24	1500	9.558	0.658	35.5	0.0000	0.0000	OK	2.010	24_OUT	35.5	2.853	0.028	0.0745	
2880 minute summer	24_OUT	2940	7.968	0.438	35.5	0.0000	0.0000	OK	Flow through pond	49	83.4	0.005	0.000	4001.6077	
2880 minute summer	25	1500	8.815	0.018	0.6	0.0120	0.0000	OK	3.000	26	0.6	0.372	0.033	0.0575	
2880 minute summer	26	1500	8.480	0.025	1.2	0.9457	0.0000	OK	3.001	27	1.0	0.495	0.063	0.0804	
								Infiltration			0.2				
2880 minute summer	27	1500	8.141	0.028	1.6	0.0580	0.0000	OK	3.002	28	1.3	0.623	0.088	0.0760	
								Infiltration			0.3				
2880 minute summer	28	1500	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				
2880 minute summer	29	1500	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				
2880 minute summer	30	1500	6.847	0.022	2.3	0.0020	0.0000	OK	3.005	31	2.3	0.128	0.001	0.8330	
2880 minute summer	31	1500	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				
2880 minute summer	32	1500	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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2880 minute summer	57	1560	8.348	0.038	0.8	0.0510	0.0000OK	Infiltration	5.052	58	0.7	0.238	0.000	0.2488
2880 minute summer	58	1560	8.348	0.101	1.0	0.5964	0.0000OK	Infiltration	5.003	59	0.7	0.251	0.007	0.3300
2880 minute summer	59	1620	8.348	0.141	1.0	0.7518	0.0000OK	Infiltration	5.004	60	0.8	0.041	0.001	3.3995
2880 minute summer	60	1620	8.348	0.181	0.9	0.9546	0.0000OK	Infiltration	5.005	61	0.3	0.028	0.000	5.7645
2880 minute summer	61	1620	8.348	0.219	0.8	0.5713	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
2880 minute summer	62	1500	8.143	0.007	0.3	0.0024	0.0000OK	Infiltration	5.007	63	0.3	0.040	0.000	4.3242
2880 minute summer	63	1620	8.024	0.188	0.8	0.0641	0.0000OK	Infiltration	5.008	63_OUT	0.1	0.014	0.000	4.0332
2880 minute summer	63_OUT	1620	8.024	0.253	0.4	0.0882	0.0000OK	Infiltration	5.009					
2880 minute summer	64	1800	6.374	0.188	0.2	0.0350	0.0000OK	Infiltration	8.000	65	0.1	0.024	0.000	1.8571
2880 minute summer	65	1800	6.374	0.249	0.3	0.0399	0.0000OK	Infiltration	8.001	66	0.1	0.005	0.000	2.4493
2880 minute summer	66	1800	6.374	0.281	0.3	0.0445	0.0000OK	Infiltration	8.002	67	-0.1	0.001	0.000	1.4542
2880 minute summer	67	1800	6.374	0.288	0.2	0.0483	0.0000OK	Infiltration	8.003	68	0.0	0.000	0.000	0.0000
2880 minute summer	68	1500	6.080	0.004	0.2	0.0057	0.0000OK	Infiltration	8.004	69	0.2	0.009	0.000	2.9808
2880 minute summer	69	1560	6.036	0.271	0.4	0.0434	0.0000OK	Infiltration	8.005	70	0.0	0.000	0.000	0.0000
2880 minute summer	70	1560	5.839	0.084	0.2	0.0134	0.0000OK	Infiltration	8.006	71	0.2	0.014	0.000	0.6885
2880 minute summer	71	1560	5.839	0.154	0.4	0.0246	0.0000OK	Infiltration	8.007	72	0.1	0.008	0.000	2.4767
2880 minute summer	72	1560	5.839	0.154	0.3	0.0246	0.0000OK	Infiltration	8.008	73	0.0	0.000	0.000	0.0000
2880 minute summer	73	1800	6.050	0.354	0.2	0.0557	0.0000OK	Infiltration	8.009	74	0.1	0.013	0.000	1.8159
2880 minute summer	74	1800	6.058	0.354	0.3	0.0587	0.0000OK	Infiltration	8.010	75	0.1	0.018	0.000	2.0508
2880 minute summer	75	1800	6.050	0.354	0.3	0.0557	0.0000OK	Infiltration	8.011	76	0.1	0.009	0.000	2.2485
2880 minute summer	76	1800	6.058	0.424	0.3	0.0645	0.0000OK	Infiltration	8.012	76_OUT	0.1	0.001	0.000	2.3781
2880 minute summer	76_OUT	1800	6.050	0.424	0.2	0.0679	0.0000OK	Infiltration	8.013					

Results for 100 year +30% 2880 minute winter. 3120 minute analysis at 60 minute timestep. Mass balance: 88.36%

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	9.587	0.287	0.3	0.0000	0.0000	FLOOD RISK	1.000	2	-0.3	-0.028	-0.013	0.4853	
2880 minute winter	2	1500	9.587	0.337	1.1	0.0000	0.0000	FLOOD RISK	1.001	3	-1.1	-0.044	-0.056	1.1264	
2880 minute winter	3	1440	9.587	0.437	1.4	0.0000	0.0000	FLOOD RISK	1.002	4	-1.4	-0.049	-0.058	0.4988	
2880 minute winter	4	1440	9.587	0.487	1.5	0.0000	0.0000	FLOOD RISK	1.003	5	-1.5	-0.050	-0.068	0.8441	
2880 minute winter	5	1500	9.587	0.687	1.7	0.0000	0.0000	FLOOD RISK	1.004	6	-1.7	-0.056	-0.040	0.1921	
2880 minute winter	6	1500	9.587	0.687	5.6	5.8649	0.0000	FLOOD RISK	1.005	7	5.6	0.417	0.116	0.7796	
2880 minute winter	7	1500	9.586	0.836	8.8	3.4078	0.0000	FLOOD RISK	1.006	8	8.8	0.410	0.125	2.4923	
2880 minute winter	8	1440	9.584	1.034	15.3	7.1604	0.0000	FLOOD RISK	1.007	9	15.3	0.413	0.142	5.9230	
2880 minute winter	9	1500	9.582	1.232	25.9	11.9838	0.0000	FLOOD RISK	1.008	10	25.9	0.402	0.108	3.1380	
2880 minute winter	10	1500	9.582	1.282	27.9	2.2727	0.0000	FLOOD RISK	1.009	11	27.9	0.396	0.168	47.8913	
2880 minute winter	11	1500	9.571	1.571	27.9	0.0000	0.0000	FLOOD RISK	1.010	12	27.9	0.184	0.097	53.3278	
2880 minute winter	12	380	7.750	1.000	27.9	0.0000	0.0000	FLOOD RISK	1.011	13	27.9	0.227	0.142	0.2545	
2880 minute winter	13	1500	9.551	0.051	27.9	0.0000	0.0000	OK	1.012	13_OUT	27.9	2.652	0.023	0.0830	
2880 minute winter	13_OUT	2820	8.019	0.486	27.9	0.0000	0.0000	OK	Flow through pond	49	101.4	0.007	0.000	4532.6372	
2880 minute winter	14	1500	9.573	0.273	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.0	-0.001	-0.001	0.8138	
2880 minute winter	15	1500	9.573	0.487	4.3	3.8626	0.0000	FLOOD RISK	2.001	16	4.3	0.377	0.089	0.9254	
2880 minute winter	16	1500	9.572	0.581	4.3	0.0000	0.0000	FLOOD RISK	2.002	17	4.3	0.381	0.087	0.6320	
2880 minute winter	17	1500	9.572	0.710	6.5	2.2123	0.0000	FLOOD RISK	2.003	18	6.5	0.393	0.083	1.6750	
2880 minute winter	18	1500	9.571	0.890	11.8	5.6608	0.0000	FLOOD RISK	2.004	19	11.8	0.418	0.094	5.4690	
2880 minute winter	19	1500	9.570	1.114	20.9	10.0477	0.0000	FLOOD RISK	2.005	20	20.9	0.407	0.108	4.9528	
2880 minute winter	20	1500	9.570	1.159	20.9	0.0000	0.0000	FLOOD RISK	2.006	21	20.9	0.569	0.108	3.4979	
2880 minute winter	21	1500	9.569	1.197	20.9	0.0000	0.0000	FLOOD RISK	2.007	22	20.9	0.589	0.035	3.7404	
2880 minute winter	22	1500	9.569	1.569	26.8	8.5148	0.0000	FLOOD RISK	2.008	23	26.8	0.137	0.093	53.3017	
2880 minute winter	23	300	7.750	1.000	26.8	0.0000	0.0000	FLOOD RISK	2.009	24	26.8	0.218	0.138	0.2543	
2880 minute winter	24	1500	9.550	0.050	26.8	0.0000	0.0000	OK	2.010	24_OUT	26.8	2.621	0.022	0.0812	
2880 minute winter	24_OUT	2760	8.021	0.488	26.8	0.0000	0.0000	OK	Flow through pond	49	101.4	0.007	0.000	4532.6372	
2880 minute winter	25	1440	8.513	0.017	0.5	0.0116	0.0000	OK	3.000	26	0.5	0.355	0.028	0.0502	
2880 minute winter	26	1440	8.459	0.023	1.0	0.0391	0.0000	OK	3.001	27	0.8	0.489	0.051	0.0895	
2880 minute winter	27							Infiltration			0.2				
2880 minute winter	27	1440	8.139	0.024	1.3	0.0471	0.0000	OK	3.002	28	1.1	0.585	0.053	0.0602	
2880 minute winter	28							Infiltration			0.2				
2880 minute winter	28	1440	7.720	0.025	1.5	0.0384	0.0000	OK	3.003	29	1.4	0.793	0.060	0.0726	
2880 minute winter	29							Infiltration			0.2				
2880 minute winter	29	1440	7.092	0.027	1.9	0.0366	0.0000	OK	3.004	30	1.8	0.887	0.095	0.0141	
2880 minute winter	30							Infiltration			0.1				
2880 minute winter	30	1440	6.544	0.019	1.9	0.0023	0.0000	OK	3.005	31	1.9	0.128	0.001	0.5478	
2880 minute winter	31	1560	6.774	0.079	2.0	0.0095	0.0000	OK	3.006	32	1.4	0.052	0.001	0.8850	
2880 minute winter	32							Infiltration			0.8				

2880 minute winter	32	1580	6.774	0.128	1.6	0.0155	0.0000	OK	3.087	33	-0.1	-0.094	0.000	0.5736
									Infiltration		0.7			
									Infiltration		0.9			
2880 minute winter	33	1140	6.777	0.032	0.1	0.0003	0.0000	OK	3.088	34	0.0	0.000	0.000	0.0184
2880 minute winter	34	1140	6.748	0.003	0.1	0.0004	0.0000	OK	3.089	35	0.1	0.055	0.000	0.0171
									Infiltration		0.0			
2880 minute winter	35	1140	6.679	0.004	0.2	0.0004	0.0000	OK	3.010	36	0.2	0.012	0.000	0.2791
									Infiltration		0.0			
2880 minute winter	36	1090	6.578	0.073	0.3	0.0003	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
2880 minute winter	37	1140	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	1380	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	1140	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	1140	6.701	0.000	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0386
									Infiltration		0.0			
2880 minute winter	41	1140	6.671	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	1140	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	1140	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	1140	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	1140	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	1140	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	1140	6.971	0.006	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.058	0.000	0.1985
									Infiltration		0.0			
2880 minute winter	48	1880	6.641	0.046	0.4	0.0055	0.0000	OK	3.023	53	0.4	0.055	0.001	0.3860
									Infiltration		0.0			
2880 minute winter	49	3120	8.019	0.019	110.5	0.2723	0.0000	OK	3.024	50	0.2			
									Infiltration		0.0			
2880 minute winter	50	3120	7.409	0.009	0.2	0.0000	0.0000	OK	4.001	51	0.1	0.379	0.007	0.0027
2880 minute winter	51	2940	7.308	0.008	0.1	0.0000	0.0000	OK	4.002	52	0.2	0.411	0.005	0.0014
2880 minute winter	52	2940	7.200	0.008	0.2	0.0000	0.0000	OK	4.003	53	0.2	0.398	0.006	0.0099
2880 minute winter	53	1880	6.641	0.050	0.5	0.0007	0.0000	OK	3.024	54	0.5	0.112	0.000	1.3025
									Infiltration		0.1			
2880 minute winter	54	1660	6.641	0.216	0.6	0.0258	0.0000	OK	3.025	54_OUT	0.6	0.013	0.000	3.2535
									Infiltration		0.2			
2880 minute winter	54_OUT	1660	6.641	0.336	0.6	0.0403	0.0000	OK	3.025		0.3			
									Infiltration		0.3			

2880 minute winter	55	1500	8.460	0.020	0.3	0.0075	0.0000	OK	5.000	56	0.3	0.297	0.041	0.0243
2880 minute winter	56	1500	8.437	0.021	0.8	0.0408	0.0000	OK	5.001	57	0.5	0.259	0.041	0.0427
									Infiltration		0.1			
2880 minute winter	57	1500	8.341	0.031	0.8	0.0351	0.0000	OK	5.002	58	0.7	0.238	0.093	0.1775
									Infiltration		0.1			
2880 minute winter	58	1500	8.325	0.080	1.0	0.4185	0.0000	OK	5.003	59	0.7	0.251	0.088	0.2727
									Infiltration		0.4			
2880 minute winter	59	1500	8.325	0.120	1.0	0.5221	0.0000	OK	5.004	60	0.5	0.041	0.001	2.6305
									Infiltration		0.3			
2880 minute winter	60	1500	8.325	0.140	0.8	0.0475	0.0000	OK	5.005	61	0.3	0.020	0.000	4.9818
									Infiltration		0.3			
2880 minute winter	61	1500	8.325	0.159	0.8	0.0641	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.5			
2880 minute winter	62	1500	8.143	0.037	0.3	0.0024	0.0000	OK	5.007	63	0.3	0.040	0.000	3.8773
2880 minute winter	63	1500	8.009	0.173	0.5	0.0587	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	3.8969
									Infiltration		0.4			
2880 minute winter	63_OUT	1500	8.009	0.244	0.4	0.0828	0.0000	OK	Infiltration		0.3			
2880 minute winter	64	1980	6.351	0.150	0.1	0.0288	0.0000	OK	5.000	65	0.1	0.024	0.000	1.4352
2880 minute winter	65	1980	6.351	0.226	0.2	0.0362	0.0000	OK	5.001	66	0.1	0.005	0.000	2.1678
									Infiltration		0.1			
2880 minute winter	66	1980	6.351	0.258	0.2	0.0406	0.0000	OK	5.002	67	0.0	0.002	0.000	1.2984
									Infiltration		0.2			
2880 minute winter	67	1980	6.351	0.275	0.1	0.0427	0.0000	OK	5.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
2880 minute winter	68	1020	6.579	0.003	0.1	0.0004	0.0000	OK	5.004	69	0.1	0.009	0.000	2.1932
2880 minute winter	69	1980	5.880	0.215	0.2	0.0344	0.0000	OK	5.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
2880 minute winter	70	1980	5.792	0.037	0.1	0.0080	0.0000	OK	5.006	71	0.1	0.014	0.000	0.3923
2880 minute winter	71	1980	5.792	0.107	0.2	0.0172	0.0000	OK	5.007	72	0.1	0.008	0.000	1.6044
									Infiltration		0.1			
2880 minute winter	72	1980	5.792	0.107	0.2	0.0172	0.0000	OK	5.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
2880 minute winter	73	1980	6.046	0.341	0.1	0.0548	0.0000	OK	5.009	74	0.1	0.013	0.000	1.7188
2880 minute winter	74	1980	6.046	0.341	0.2	0.0548	0.0000	OK	5.010	75	0.1	0.019	0.000	1.8483
									Infiltration		0.1			
2880 minute winter	75	1980	6.048	0.341	0.2	0.0540	0.0000	OK	5.011	76	0.1	0.006	0.000	2.1431
									Infiltration		0.1			
2880 minute winter	76	1980	6.046	0.411	0.2	0.0625	0.0000	OK	5.012	76_OUT	0.1	0.001	0.000	2.2739
									Infiltration		0.1			
2880 minute winter	76_OUT	1980	6.048	0.411	0.2	0.0658	0.0000	OK	Infiltration		0.1			

Results for 100 year +30% 4320 minute summer. 4560 minute analysis at 60 minute timestep. Mass balance: 98.33%.

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	9.567	0.287	0.0	0.0000	0.0000	FLOOD RISK	1.000	2	0.0	0.001	0.002	0.4853	
4320 minute summer	2	2220	9.587	0.337	0.0	0.0000	0.0000	FLOOD RISK	1.001	3	0.1	0.002	0.003	1.1264	
4320 minute summer	3	2160	9.587	0.437	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.026	-0.024	0.4988	
4320 minute summer	4	2160	9.587	0.487	0.9	0.0000	0.0000	FLOOD RISK	1.003	5	-0.8	-0.030	-0.038	0.8441	
4320 minute summer	5	2220	9.587	0.587	1.0	0.0000	0.0000	FLOOD RISK	1.004	6	-1.0	-0.033	-0.028	0.1821	
4320 minute summer	6	2220	9.587	0.687	5.6	5.6651	0.0000	FLOOD RISK	1.005	7	5.6	0.397	0.116	0.7796	
4320 minute summer	7	2220	9.588	0.836	8.8	3.4977	0.0000	FLOOD RISK	1.006	8	8.8	0.385	0.125	2.4923	
4320 minute summer	8	2220	9.584	1.034	15.3	7.1091	0.0000	FLOOD RISK	1.007	9	15.3	0.362	0.142	5.9230	
4320 minute summer	9	2220	9.582	1.232	25.9	11.9840	0.0000	FLOOD RISK	1.008	10	25.9	0.341	0.109	3.1360	
4320 minute summer	10	2220	9.582	1.282	27.9	2.2727	0.0000	FLOOD RISK	1.009	11	27.9	0.314	0.189	47.8913	
4320 minute summer	11	2220	9.571	1.571	27.9	0.0000	0.0000	FLOOD RISK	1.010	12	27.9	0.143	0.097	63.3278	
4320 minute summer	12	420	7.750	1.008	27.9	0.0000	0.0000	FLOOD RISK	1.011	13	27.9	0.227	0.142	0.2545	
4320 minute summer	13	2220	9.551	0.651	27.9	0.0000	0.0000	OK	1.012	13_OUT	27.9	2.652	0.023	0.0630	
4320 minute summer	13_OUT	4360	8.019	0.485	27.9	0.0000	0.0000	OK	Flow through pond	48	52.8	0.003	0.000	4480.2402	
4320 minute summer	14	2160	9.574	0.274	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.003	-0.003	0.8136	
4320 minute summer	15	2220	9.574	0.488	4.3	3.8844	0.0000	FLOOD RISK	2.001	16	4.3	0.325	0.089	0.9254	
4320 minute summer	16	2220	9.573	0.582	4.3	0.0000	0.0000	FLOOD RISK	2.002	17	4.3	0.343	0.087	0.6320	
4320 minute summer	17	2220	9.572	0.713	6.5	2.2130	0.0000	FLOOD RISK	2.003	18	6.5	0.342	0.080	1.8750	
4320 minute summer	18	2220	9.572	0.891	11.8	5.8023	0.0000	FLOOD RISK	2.004	19	11.8	0.357	0.094	5.4890	
4320 minute summer	19	2220	9.570	1.114	21.0	10.5498	0.0000	FLOOD RISK	2.005	20	21.0	0.342	0.108	4.0828	
4320 minute summer	20	2220	9.570	1.158	21.0	0.0000	0.0000	FLOOD RISK	2.006	21	21.0	0.478	0.106	3.4978	
4320 minute summer	21	2220	9.569	1.197	21.0	0.0000	0.0000	FLOOD RISK	2.007	22	21.0	0.483	0.035	3.7404	
4320 minute summer	22	2220	9.568	1.589	26.9	8.8158	0.0000	FLOOD RISK	2.008	23	26.9	0.150	0.093	53.3017	
4320 minute summer	23	420	7.750	1.600	26.9	0.0000	0.0000	FLOOD RISK	2.009	24	26.9	0.219	0.137	0.2644	
4320 minute summer	24	2220	9.550	0.650	26.9	0.0000	0.0000	OK	2.010	24_OUT	26.9	2.623	0.022	0.0614	
4320 minute summer	24_OUT	4360	8.019	0.485	26.9	0.0000	0.0000	OK	Flow through pond	49	52.8	0.003	0.000	4480.2402	
4320 minute summer	25	2220	8.813	0.017	0.5	0.0110	0.0000	OK	3.000	26	0.5	0.356	0.028	0.0502	
4320 minute summer	26	2220	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				
4320 minute summer	27	2220	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				
4320 minute summer	28	2220	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				
4320 minute summer	29	2220	7.092	0.027	1.8	0.0380	0.0000	OK	3.004	30	1.8	0.857	0.085	0.0141	
								Infiltration			0.1				
4320 minute summer	30	2220	6.844	0.018	1.9	0.0023	0.0000	OK	3.005	31	1.8	0.138	0.001	0.5445	
4320 minute summer	31	2220	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				
4320 minute summer	32	2220	6.774	0.129	1.6	0.0154	0.0000	OK	3.007	33	-0.1	-0.003	0.000	0.5708	

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4320 minute summer	57	2220	8.341	0.031	0.8	0.0361	0.0000OK	Infiltration	5.052	58	0.7	0.238	0.000	0.1683
4320 minute summer	58	2280	8.321	0.076	1.0	0.3856	0.0000OK	Infiltration	5.003	59	0.7	0.251	0.003	0.2607
4320 minute summer	59	2280	8.321	0.118	1.0	0.5885	0.0000OK	Infiltration	5.004	60	0.5	0.041	0.001	2.7269
4320 minute summer	60	2280	8.321	0.136	0.8	0.0461	0.0000OK	Infiltration	5.005	61	0.3	0.026	0.000	4.8333
4320 minute summer	61	2280	8.321	0.185	0.6	0.0828	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
4320 minute summer	62	2220	8.143	0.007	0.3	0.0024	0.0000OK	Infiltration	5.007	63	0.3	0.040	0.000	3.8908
4320 minute summer	63	2280	8.002	0.188	0.6	0.0584	0.0000OK	Infiltration	5.008	63_OUT	0.1	0.014	0.000	3.5263
4320 minute summer	63_OUT	2280	8.002	0.237	0.4	0.0806	0.0000OK	Infiltration	5.009					
4320 minute summer	64	2580	6.335	0.150	0.1	0.0240	0.0000OK	Infiltration	8.000	65	0.1	0.024	0.000	1.2679
4320 minute summer	65	2580	6.335	0.216	0.2	0.0336	0.0000OK	Infiltration	8.001	66	0.1	0.005	0.000	1.9798
4320 minute summer	66	2580	6.335	0.242	0.2	0.0383	0.0000OK	Infiltration	8.002	67	0.0	0.001	0.000	1.1944
4320 minute summer	67	2580	6.335	0.259	0.1	0.0402	0.0000OK	Infiltration	8.003	68	0.0	0.000	0.000	0.0000
4320 minute summer	68	1890	6.079	0.003	0.1	0.0004	0.0000OK	Infiltration	8.004	69	0.1	0.009	0.000	2.1664
4320 minute summer	69	2580	5.978	0.213	0.2	0.0341	0.0000OK	Infiltration	8.005	70	0.0	0.000	0.000	0.0000
4320 minute summer	70	2580	5.788	0.033	0.1	0.0053	0.0000OK	Infiltration	8.006	71	0.1	0.014	0.000	0.3688
4320 minute summer	71	2580	5.788	0.103	0.2	0.0155	0.0000OK	Infiltration	8.007	72	0.1	0.008	0.000	1.5348
4320 minute summer	72	2580	5.788	0.103	0.2	0.0185	0.0000OK	Infiltration	8.008	73	0.0	0.000	0.000	0.0000
4320 minute summer	73	2580	6.016	0.311	0.1	0.0487	0.0000OK	Infiltration	8.009	74	0.1	0.013	0.000	1.5076
4320 minute summer	74	2580	6.016	0.311	0.2	0.0497	0.0000OK	Infiltration	8.010	75	0.1	0.018	0.000	1.7072
4320 minute summer	75	2580	6.016	0.311	0.2	0.0487	0.0000OK	Infiltration	8.011	76	0.1	0.009	0.000	1.9008
4320 minute summer	76	2580	6.016	0.381	0.2	0.0679	0.0000OK	Infiltration	8.012	76_OUT	0.1	0.001	0.000	2.0339
4320 minute summer	76_OUT	2580	6.016	0.381	0.2	0.0669	0.0000OK	Infiltration	8.013					

Results for 100 year +30% 4320 minute winter. 4320 minute analysis at 60 minute timestep. Mass balance: 88.43%

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	9.564	0.284	0.2	0.0000	0.0000	FLOOD RISK	1.000	2	-0.2	-0.005	-0.007	0.4850	
4320 minute winter	2	2220	9.565	0.315	0.3	0.0000	0.0000	FLOOD RISK	1.001	3	-0.3	-0.009	-0.014	1.1264	
4320 minute winter	3	2220	9.565	0.415	0.4	0.0000	0.0000	FLOOD RISK	1.002	4	-0.4	-0.013	-0.018	0.4988	
4320 minute winter	4	2160	9.565	0.485	0.5	0.0000	0.0000	FLOOD RISK	1.003	5	-0.5	-0.034	-0.024	0.8441	
4320 minute winter	5	2160	9.565	0.685	0.9	0.0000	0.0000	FLOOD RISK	1.004	6	-0.9	-0.031	-0.024	0.1621	
4320 minute winter	6	2220	9.565	0.685	4.1	5.4785	0.0000	FLOOD RISK	1.005	7	4.1	0.378	0.085	0.7796	
4320 minute winter	7	2220	9.564	0.814	6.5	3.3178	0.0000	FLOOD RISK	1.006	8	6.5	0.373	0.093	2.4923	
4320 minute winter	8	2160	9.563	1.013	11.3	6.9538	0.0000	FLOOD RISK	1.007	9	11.3	0.379	0.104	5.9230	
4320 minute winter	9	2160	9.562	1.212	19.2	11.7852	0.0000	FLOOD RISK	1.008	10	19.2	0.358	0.081	3.1380	
4320 minute winter	10	2160	9.562	1.282	20.7	2.2368	0.0000	FLOOD RISK	1.009	11	20.7	0.349	0.140	47.8913	
4320 minute winter	11	2160	9.558	1.556	20.7	0.0000	0.0000	FLOOD RISK	1.010	12	20.7	0.219	0.072	53.3278	
4320 minute winter	12	420	7.750	1.000	20.7	0.0000	0.0000	FLOOD RISK	1.011	13	20.7	0.171	0.105	0.2520	
4320 minute winter	13	2220	9.545	0.045	20.7	0.0000	0.0000	OK	1.012	13_OUT	20.7	2.429	0.017	0.0511	
4320 minute winter	13_OUT	4200	8.078	0.544	20.7	0.0000	0.0000	OK	Flow through pond	49	82.8	0.005	0.000	5008.3418	
4320 minute winter	14	2160	9.558	0.256	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.006	-0.008	0.8138	
4320 minute winter	15	2220	9.558	0.470	3.2	3.7292	0.0000	FLOOD RISK	2.001	16	3.2	0.340	0.066	0.9254	
4320 minute winter	16	2220	9.556	0.585	3.2	0.0000	0.0000	FLOOD RISK	2.002	17	3.2	0.357	0.065	0.6320	
4320 minute winter	17	2220	9.556	0.987	4.8	2.1618	0.0000	FLOOD RISK	2.003	18	4.8	0.387	0.091	1.6750	
4320 minute winter	18	2160	9.555	0.874	8.7	5.5606	0.0000	FLOOD RISK	2.004	19	8.7	0.388	0.069	5.4690	
4320 minute winter	19	2160	9.555	1.039	15.4	9.9050	0.0000	FLOOD RISK	2.005	20	15.4	0.371	0.078	4.9528	
4320 minute winter	20	2220	9.554	1.143	15.4	0.0000	0.0000	FLOOD RISK	2.006	21	15.4	0.521	0.078	3.4979	
4320 minute winter	21	2220	9.554	1.182	15.4	0.0000	0.0000	FLOOD RISK	2.007	22	15.4	0.537	0.026	3.7404	
4320 minute winter	22	2220	9.554	1.554	19.8	8.7505	0.0000	FLOOD RISK	2.008	23	19.8	0.143	0.069	53.3017	
4320 minute winter	23	420	7.750	1.000	19.8	0.0000	0.0000	FLOOD RISK	2.009	24	19.8	0.184	0.101	0.2519	
4320 minute winter	24	2220	9.544	0.044	19.8	0.0000	0.0000	OK	2.010	24_OUT	19.8	2.397	0.018	0.0494	
4320 minute winter	24_OUT	4260	8.078	0.544	21.0	0.0000	0.0000	OK	Flow through pond	49	82.8	0.005	0.000	5008.3418	
4320 minute winter	25	2220	8.612	0.016	0.4	0.0098	0.0000	OK	3.000	26	0.4	0.335	0.022	0.0425	
4320 minute winter	26	2220	8.456	0.021	0.8	0.0324	0.0000	OK	3.001	27	0.8	0.438	0.040	0.0581	
4320 minute winter	27							Infiltration			0.2				
4320 minute winter	27	2220	8.138	0.021	1.0	0.0362	0.0000	OK	3.002	28	0.8	0.541	0.041	0.0500	
4320 minute winter	28							Infiltration			0.2				
4320 minute winter	28	2220	7.717	0.022	1.2	0.0314	0.0000	OK	3.003	29	1.1	0.652	0.046	0.0930	
4320 minute winter	29							Infiltration			0.1				
4320 minute winter	29	2220	7.088	0.023	1.5	0.0295	0.0000	OK	3.004	30	1.4	0.809	0.050	0.0115	
4320 minute winter	30							Infiltration			0.1				
4320 minute winter	30	2220	6.542	0.017	1.5	0.0020	0.0000	OK	3.005	31	1.5	0.138	0.001	0.3874	
4320 minute winter	31	2220	6.751	0.058	1.5	0.0057	0.0000	OK	3.006	32	1.2	0.052	0.001	0.0598	
4320 minute winter	32							Infiltration			0.4				

4320 minute winter	32	2220	6.750	0.105	1.4	0.0127	0.0000	OK	3.087	33	-0.1	-0.093	0.000	0.4526
									Infiltration		0.8			
									Infiltration		0.8			
4320 minute winter	33	1880	6.777	0.092	0.1	0.0063	0.0000	OK	3.088	34	0.0	0.000	0.000	0.0184
4320 minute winter	34	1880	6.748	0.093	0.1	0.0064	0.0000	OK	3.089	35	0.1	0.055	0.000	0.0171
									Infiltration		0.0			
4320 minute winter	35	1880	6.879	0.094	0.2	0.0064	0.0000	OK	3.010	36	0.2	0.012	0.000	0.2791
									Infiltration		0.0			
4320 minute winter	36	2100	6.578	0.073	0.3	0.0063	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
4320 minute winter	37	1880	6.508	0.093	0.1	0.0063	0.0000	OK	3.012	38	0.1	0.036	0.000	0.5365
4320 minute winter	38	2100	6.347	0.082	0.7	0.0098	0.0000	OK	3.013	39	-0.5	-0.030	0.000	0.3895
									Infiltration		0.3			
									Infiltration		0.4			
4320 minute winter	39	1880	6.462	0.097	0.5	0.0098	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461
									Infiltration		0.0			
4320 minute winter	40	1880	6.701	0.098	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.116	0.000	0.0386
									Infiltration		0.0			
4320 minute winter	41	1880	6.871	0.096	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324
									Infiltration		0.0			
4320 minute winter	42	1880	7.089	0.094	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.064	0.000	0.0319
									Infiltration		0.0			
4320 minute winter	43	1880	7.150	0.095	0.2	0.0008	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251
									Infiltration		0.0			
4320 minute winter	44	1880	7.228	0.093	0.1	0.0063	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202
4320 minute winter	45	1880	7.199	0.094	0.1	0.0065	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0268
									Infiltration		0.0			
4320 minute winter	46	1880	7.130	0.095	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357
									Infiltration		0.0			
4320 minute winter	47	1880	6.971	0.096	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.058	0.000	0.2438
									Infiltration		0.0			
4320 minute winter	48	4580	6.858	0.081	0.4	0.0073	0.0000	OK	3.023	53	0.4	0.065	0.001	0.5149
									Infiltration		0.1			
4320 minute winter	49	4380	8.070	0.070	91.5	0.9838	0.0000	OK	3.024	50	0.8			
									Infiltration		0.0			
4320 minute winter	50	4380	7.420	0.020	0.6	0.0060	0.0000	OK	4.001	51	0.0	0.629	0.038	0.0084
4320 minute winter	51	4380	7.317	0.017	0.8	0.0000	0.0000	OK	4.002	52	0.8	0.081	0.027	0.0044
4320 minute winter	52	4380	7.219	0.018	0.8	0.0000	0.0000	OK	4.003	53	0.8	0.855	0.030	0.0026
4320 minute winter	53	4580	6.856	0.071	0.8	0.0085	0.0000	OK	3.024	54	0.8	0.112	0.000	1.4712
									Infiltration		0.2			
4320 minute winter	54	4580	6.858	0.231	0.6	0.0277	0.0000	OK	3.025	54_OUT	0.6	0.013	0.000	3.4671
									Infiltration		0.2			
4320 minute winter	54_OUT	4580	6.858	0.351	0.6	0.0421	0.0000	OK	3.025		0.3			
									Infiltration		0.3			

4320 minute winter	55	1920	8.463	0.017	0.2	0.0058	0.0000	OK	5.090	56	0.2	0.184	0.027	0.0182
4320 minute winter	56	1920	8.433	0.017	0.4	0.0280	0.0000	OK	5.091	57	0.3	0.228	0.027	0.0312
									Infiltration		0.1			
4320 minute winter	57	1920	8.335	0.025	0.5	0.0250	0.0000	OK	5.092	58	0.5	0.238	0.058	0.0978
									Infiltration		0.1			
4320 minute winter	58	2520	8.290	0.045	0.7	0.1451	0.0000	OK	5.093	59	0.5	0.251	0.071	0.1820
									Infiltration		0.3			
4320 minute winter	59	2520	8.288	0.034	0.7	0.4671	0.0000	OK	5.094	60	0.5	0.041	0.001	1.9422
									Infiltration		0.3			
4320 minute winter	60	2520	8.289	0.104	0.7	0.0354	0.0000	OK	5.095	61	0.3	0.020	0.000	3.7042
									Infiltration		0.3			
4320 minute winter	61	2520	8.289	0.153	0.5	0.0521	0.0000	OK	5.096	62	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
4320 minute winter	62	1980	8.142	0.036	0.2	0.0018	0.0000	OK	5.097	63	0.2	0.040	0.000	3.1864
4320 minute winter	63	2520	7.983	0.147	0.4	0.0498	0.0000	OK	5.098	63_OUT	0.1	0.014	0.000	3.1905
									Infiltration		0.3			
4320 minute winter	63_OUT	2520	7.983	0.218	0.3	0.0740	0.0000	OK	Infiltration		0.3			
4320 minute winter	64	2760	6.357	0.172	0.1	0.0275	0.0000	OK	5.099	65	0.1	0.024	0.000	1.4890
4320 minute winter	65	2760	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			
4320 minute winter	66	2760	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			
4320 minute winter	67	2760	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			
4320 minute winter	68	1650	6.079	0.093	0.1	0.0004	0.0000	OK	5.094	69	0.1	0.009	0.000	2.1988
4320 minute winter	69	2760	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			
4320 minute winter	70	2760	5.794	0.039	0.1	0.0082	0.0000	OK	5.096	71	0.1	0.014	0.000	0.3998
4320 minute winter	71	2760	5.794	0.109	0.2	0.0174	0.0000	OK	5.097	72	0.1	0.008	0.000	1.6267
									Infiltration		0.1			
4320 minute winter	72	2760	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			
4320 minute winter	73	2760	6.059	0.353	0.1	0.0585	0.0000	OK	5.099	74	0.1	0.013	0.000	1.8020
4320 minute winter	74	2760	6.059	0.353	0.2	0.0585	0.0000	OK	5.010	75	0.1	0.019	0.000	2.0405
									Infiltration		0.1			
4320 minute winter	75	2760	6.058	0.353	0.2	0.0565	0.0000	OK	5.011	76	0.1	0.006	0.000	2.2384
									Infiltration		0.1			
4320 minute winter	76	2760	6.059	0.423	0.2	0.0843	0.0000	OK	5.012	76_OUT	0.1	0.001	0.000	2.3881
									Infiltration		0.1			
4320 minute winter	76_OUT	2760	6.058	0.423	0.2	0.0677	0.0000	OK	Infiltration		0.1			

Results for 100 year +30% 5760 minute summer. 6000 minute analysis at 60 minute timestep. Mass balance: 98.44%

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	2880	9.573	0.273	0.2	0.0090	0.0000	FLOOD RISK	1.090	2	-0.2	-0.009	-0.007	0.4853	
5760 minute summer	2	2940	9.573	0.323	0.5	0.0090	0.0000	FLOOD RISK	1.001	3	-0.5	-0.017	-0.028	1.1264	
5760 minute summer	3	2940	9.573	0.423	0.6	0.0090	0.0000	FLOOD RISK	1.002	4	-0.6	-0.032	-0.031	0.4988	
5760 minute summer	4	2940	9.573	0.473	0.7	0.0090	0.0000	FLOOD RISK	1.003	5	-0.7	-0.033	-0.031	0.8441	
5760 minute summer	5	2940	9.573	0.573	0.8	0.0090	0.0000	FLOOD RISK	1.004	6	-0.8	-0.026	-0.021	0.1821	
5760 minute summer	6	2880	9.573	0.673	4.7	5.5449	0.0000	FLOOD RISK	1.005	7	4.7	0.340	0.097	0.7796	
5760 minute summer	7	2880	9.572	0.822	7.4	3.3498	0.0000	FLOOD RISK	1.006	8	7.4	0.337	0.100	2.4923	
5760 minute summer	8	2940	9.571	1.021	12.8	7.0063	0.0000	FLOOD RISK	1.007	9	12.8	0.342	0.118	5.9230	
5760 minute summer	9	2940	9.568	1.219	21.7	11.8582	0.0000	FLOOD RISK	1.008	10	21.7	0.316	0.092	3.1360	
5760 minute summer	10	2940	9.568	1.269	23.4	2.2487	0.0000	FLOOD RISK	1.009	11	23.4	0.295	0.158	47.8813	
5760 minute summer	11	2940	9.581	1.581	23.4	0.0000	0.0000	FLOOD RISK	1.010	12	23.4	0.143	0.081	63.3278	
5760 minute summer	12	480	7.750	1.008	23.4	0.0000	0.0000	FLOOD RISK	1.011	13	23.4	0.192	0.119	0.2530	
5760 minute summer	13	2940	9.547	0.647	23.4	0.0000	0.0000	OK	1.012	13_OUT	23.4	2.516	0.018	0.0557	
5760 minute summer	13_OUT	5820	8.057	0.523	23.4	0.0000	0.0000	OK	Flow through pond	48	52.8	0.003	0.000	4839.2197	
5760 minute summer	14	2940	9.582	0.252	0.2	0.0000	0.0000	FLOOD RISK	2.050	15	-0.2	-0.007	-0.007	0.8130	
5760 minute summer	15	2880	9.552	0.478	3.6	3.7751	0.0000	FLOOD RISK	2.001	16	3.6	0.300	0.074	0.9254	
5760 minute summer	16	2880	9.552	0.571	3.6	0.0000	0.0000	FLOOD RISK	2.002	17	3.6	0.322	0.073	0.6320	
5760 minute summer	17	2940	9.581	0.702	5.4	2.1780	0.0000	FLOOD RISK	2.003	18	5.4	0.325	0.059	1.8750	
5760 minute summer	18	2940	9.581	0.889	9.8	5.5350	0.0000	FLOOD RISK	2.004	19	9.8	0.334	0.078	5.4890	
5760 minute summer	19	2880	9.590	1.104	17.4	9.8585	0.0000	FLOOD RISK	2.005	20	17.4	0.320	0.088	4.0828	
5760 minute summer	20	2940	9.580	1.148	17.4	0.0000	0.0000	FLOOD RISK	2.006	21	17.4	0.441	0.088	3.4978	
5760 minute summer	21	2940	9.558	1.187	17.4	0.0000	0.0000	FLOOD RISK	2.007	22	17.4	0.463	0.029	3.7404	
5760 minute summer	22	2940	9.558	1.559	22.3	8.7729	0.0000	FLOOD RISK	2.008	23	22.3	0.114	0.077	53.3017	
5760 minute summer	23	480	7.750	1.600	22.3	0.0000	0.0000	FLOOD RISK	2.009	24	22.3	0.183	0.114	0.2628	
5760 minute summer	24	2940	9.548	0.648	22.3	0.0000	0.0000	OK	2.010	24_OUT	22.3	2.482	0.018	0.0538	
5760 minute summer	24_OUT	5820	8.057	0.523	22.3	0.0000	0.0000	OK	Flow through pond	49	52.8	0.003	0.000	4839.2197	
5760 minute summer	25	2880	8.812	0.018	0.4	0.0099	0.0000	OK	3.000	26	0.4	0.356	0.022	0.0425	
5760 minute summer	26	2880	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				
5760 minute summer	27	2880	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				
5760 minute summer	28	2880	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				
5760 minute summer	29	2880	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				
5760 minute summer	30	2880	6.842	0.017	1.5	0.0020	0.0000	OK	3.005	31	1.5	0.138	0.001	0.3901	
5760 minute summer	31	3000	6.751	0.058	1.6	0.0087	0.0000	OK	3.006	32	1.2	0.652	0.001	0.0841	
								Infiltration			0.4				
5760 minute summer	32	3000	6.751	0.108	1.4	0.0127	0.0000	OK	3.007	33	-0.1	-0.003	0.000	0.4548	

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T COUNCIL Y/92/18/DOC

5760 minute summer	57	2760	8.335	0.028	0.5	0.0250	0.0000OK	Infiltration		0.1			
									58	0.5	0.238	0.059	0.0918
5760 minute summer	58	3120	8.287	0.042	0.7	0.1281	0.0000OK	Infiltration		0.1			
									59	0.5	0.251	0.071	0.1525
5760 minute summer	59	3120	8.288	0.081	0.7	0.3887	0.0000OK	Infiltration		0.2			
									60	0.5	0.041	0.001	1.8887
5760 minute summer	60	3120	8.288	0.101	0.7	0.0344	0.0000OK	Infiltration		0.3			
									61	0.3	0.028	0.000	3.5978
5760 minute summer	61	3120	8.288	0.160	0.5	0.0510	0.0000OK	Infiltration		0.3			
									62	0.0	0.000	0.000	0.0000
5760 minute summer	62	2820	8.142	0.000	0.2	0.0018	0.0000OK	Infiltration		0.4			
									63	0.2	0.040	0.000	2.9728
5760 minute summer	63	3120	7.974	0.138	0.4	0.0471	0.0000OK	Infiltration		0.1	0.014	0.000	2.9241
									63_OUT				
5760 minute summer	63_OUT	3120	7.974	0.209	0.3	0.0712	0.0000OK	Infiltration		0.3			
5760 minute summer	64	3360	6.344	0.158	0.1	0.0255	0.0000OK	Infiltration		0.1	0.024	0.000	1.3681
5760 minute summer	65	3360	6.344	0.219	0.2	0.0351	0.0000OK	Infiltration		0.1	0.005	0.000	2.0835
5760 minute summer	66	3360	6.344	0.251	0.2	0.0387	0.0000OK	Infiltration		0.1			
									67	0.0	0.000	0.000	1.2518
5760 minute summer	67	3360	6.344	0.288	0.1	0.0416	0.0000OK	Infiltration		0.2			
									68	0.0	0.000	0.000	0.0000
5760 minute summer	68	2520	6.079	0.003	0.1	0.0004	0.0000OK	Infiltration		0.1			
									69	0.1	0.009	0.000	2.1837
5760 minute summer	69	3360	5.979	0.214	0.2	0.0343	0.0000OK	Infiltration		0.0	0.000	0.000	0.0000
5760 minute summer	70	3360	5.791	0.038	0.1	0.0057	0.0000OK	Infiltration		0.2			
									71	0.1	0.014	0.000	0.3023
5760 minute summer	71	3360	5.791	0.106	0.2	0.0169	0.0000OK	Infiltration		0.1	0.008	0.000	1.5745
5760 minute summer	72	3360	5.791	0.106	0.2	0.0169	0.0000OK	Infiltration		0.1			
									73	0.0	0.000	0.000	0.0000
5760 minute summer	73	3360	6.032	0.327	0.1	0.0524	0.0000OK	Infiltration		0.2			
									74	0.1	0.013	0.000	1.6215
5760 minute summer	74	3360	6.032	0.327	0.2	0.0524	0.0000OK	Infiltration		0.1	0.018	0.000	1.8362
5760 minute summer	75	3360	6.032	0.327	0.2	0.0524	0.0000OK	Infiltration		0.1			
									76	0.1	0.009	0.000	2.0315
5760 minute summer	76	3360	6.032	0.397	0.2	0.0604	0.0000OK	Infiltration		0.1			
									76_OUT	0.1	0.001	0.000	2.1635
5760 minute summer	76_OUT	3360	6.032	0.397	0.2	0.0636	0.0000OK	Infiltration		0.1			

Results for 100 year +30% 5760 minute winter. 5760 minute analysis at 60 minute timestep. Mass balance: 88.58%

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	2880	9.553	0.253	0.2	0.0000	0.0000	FLOOD RISK	1.000	2	-0.2	-0.009	-0.000	0.4853	
5760 minute winter	2	2880	9.554	0.304	0.6	0.0000	0.0000	FLOOD RISK	1.001	3	-0.6	-0.019	-0.028	1.1264	
5760 minute winter	3	2880	9.554	0.404	0.7	0.0000	0.0000	FLOOD RISK	1.002	4	-0.7	-0.023	-0.034	0.4988	
5760 minute winter	4	2940	9.554	0.454	0.8	0.0000	0.0000	FLOOD RISK	1.003	5	-0.8	-0.025	-0.034	0.8441	
5760 minute winter	5	2940	9.554	0.554	0.9	0.0000	0.0000	FLOOD RISK	1.004	6	-0.9	-0.028	-0.023	0.1921	
5760 minute winter	6	2940	9.554	0.654	3.4	5.3893	0.0000	FLOOD RISK	1.005	7	3.4	0.355	0.070	0.7796	
5760 minute winter	7	2940	9.553	0.803	5.3	3.2742	0.0000	FLOOD RISK	1.006	8	5.3	0.347	0.076	2.4923	
5760 minute winter	8	2880	9.553	1.003	9.2	6.6828	0.0000	FLOOD RISK	1.007	9	9.2	0.358	0.085	5.9230	
5760 minute winter	9	2880	9.552	1.202	15.6	11.6882	0.0000	FLOOD RISK	1.008	10	15.6	0.341	0.068	3.1380	
5760 minute winter	10	2880	9.552	1.252	16.8	2.2194	0.0000	FLOOD RISK	1.009	11	16.8	0.325	0.114	47.8913	
5760 minute winter	11	2880	9.548	1.548	16.8	0.0000	0.0000	FLOOD RISK	1.010	12	16.8	0.236	0.068	53.3278	
5760 minute winter	12	540	7.750	1.000	16.8	0.0000	0.0000	FLOOD RISK	1.011	13	16.8	0.140	0.086	0.2506	
5760 minute winter	13	2940	9.540	0.040	16.8	0.0000	0.0000	OK	1.012	13_OUT	16.8	2.273	0.014	0.0443	
5760 minute winter	13_OUT	5640	8.120	0.587	17.4	0.0000	0.0000	OK	Flow through pond	49	30.7	0.003	0.000	5407.0200	
5760 minute winter	14	2640	9.548	0.248	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.011	-0.008	0.8138	
5760 minute winter	15	2880	9.548	0.482	2.6	3.8652	0.0000	FLOOD RISK	2.001	16	2.6	0.320	0.054	0.9254	
5760 minute winter	16	2880	9.548	0.557	2.6	0.0000	0.0000	FLOOD RISK	2.002	17	2.6	0.343	0.053	0.6320	
5760 minute winter	17	2880	9.548	0.688	3.9	2.1376	0.0000	FLOOD RISK	2.003	18	3.9	0.342	0.050	1.6750	
5760 minute winter	18	2880	9.548	0.867	7.1	5.4521	0.0000	FLOOD RISK	2.004	19	7.1	0.387	0.058	5.4690	
5760 minute winter	19	2660	9.547	1.031	12.6	9.8409	0.0000	FLOOD RISK	2.005	20	12.6	0.348	0.064	4.9628	
5760 minute winter	20	2880	9.547	1.138	12.6	0.0000	0.0000	FLOOD RISK	2.006	21	12.6	0.454	0.064	3.4979	
5760 minute winter	21	2940	9.547	1.176	12.6	0.0000	0.0000	FLOOD RISK	2.007	22	12.6	0.483	0.021	3.7404	
5760 minute winter	22	2940	9.547	1.547	16.2	6.7190	0.0000	FLOOD RISK	2.008	23	16.2	0.171	0.056	53.3017	
5760 minute winter	23	540	7.750	1.000	16.2	0.0000	0.0000	FLOOD RISK	2.009	24	16.2	0.135	0.083	0.2506	
5760 minute winter	24	2640	9.540	0.040	16.2	0.0000	0.0000	OK	2.010	24_OUT	16.2	2.247	0.013	0.0432	
5760 minute winter	24_OUT	5640	8.120	0.587	20.6	0.0000	0.0000	OK	Flow through pond	49	30.7	0.003	0.000	5407.0200	
5760 minute winter	25	2640	8.610	0.014	0.3	0.0037	0.0000	OK	3.000	26	0.3	0.311	0.017	0.0343	
5760 minute winter	26	2640	8.453	0.018	0.8	0.0255	0.0000	OK	3.001	27	0.5	0.399	0.029	0.0480	
5760 minute winter	27							Infiltration			0.1				
5760 minute winter	27	2640	8.133	0.018	0.8	0.0292	0.0000	OK	3.002	28	0.8	0.487	0.029	0.0391	
5760 minute winter	28							Infiltration			0.2				
5760 minute winter	28	2640	7.714	0.019	0.9	0.0244	0.0000	OK	3.003	29	0.8	0.567	0.033	0.0468	
5760 minute winter	29							Infiltration			0.1				
5760 minute winter	29	2640	7.985	0.020	1.1	0.0230	0.0000	OK	3.004	30	1.0	0.728	0.036	0.0091	
5760 minute winter	30							Infiltration			0.1				
5760 minute winter	30	2760	6.839	0.014	1.1	0.0017	0.0000	OK	3.005	31	1.1	0.137	0.000	0.2338	
5760 minute winter	31	3060	6.727	0.032	1.2	0.0038	0.0000	OK	3.006	32	1.0	0.052	0.001	0.4443	
5760 minute winter	32							Infiltration			0.2				

5760 minute winter	32	3000	6.729	0.081	1.1	0.0097	0.0000	OK	3.087	33	-0.1	-0.093	0.000	0.3357
									Infiltration		0.4			
									Infiltration		0.7			
5760 minute winter	33	2750	6.777	0.082	0.1	0.0050	0.0000	OK	3.088	34	0.0	0.000	0.000	0.0184
5760 minute winter	34	2750	6.748	0.093	0.1	0.0004	0.0000	OK	3.089	35	0.1	0.055	0.000	0.0171
									Infiltration		0.0			
5760 minute winter	35	2780	6.879	0.084	0.2	0.0004	0.0000	OK	3.010	36	0.2	0.012	0.000	0.2791
									Infiltration		0.0			
5760 minute winter	36	3000	6.578	0.073	0.3	0.0050	0.0000	OK	3.011	37	0.0	0.000	0.000	0.0000
									Infiltration		0.3			
5760 minute winter	37	2780	6.508	0.093	0.1	0.0003	0.0000	OK	3.012	38	0.1	0.036	0.000	0.5385
5760 minute winter	38	3000	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			
5760 minute winter	39	2750	6.462	0.097	0.5	0.0008	0.0000	OK	3.014	40	-0.4	-0.130	0.000	0.0461
									Infiltration		0.0			
5760 minute winter	40	2780	6.701	0.098	0.4	0.0007	0.0000	OK	3.015	41	-0.3	-0.118	0.000	0.0386
									Infiltration		0.0			
5760 minute winter	41	2750	6.871	0.086	0.3	0.0007	0.0000	OK	3.016	42	-0.2	-0.097	0.000	0.0324
									Infiltration		0.0			
5760 minute winter	42	2780	7.089	0.094	0.3	0.0005	0.0000	OK	3.017	43	-0.2	-0.054	0.000	0.0319
									Infiltration		0.0			
5760 minute winter	43	2780	7.150	0.095	0.2	0.0008	0.0000	OK	3.018	44	-0.1	-0.031	0.000	0.0251
									Infiltration		0.0			
5760 minute winter	44	2750	7.228	0.093	0.1	0.0050	0.0000	OK	3.019	45	0.0	0.023	0.000	0.0202
5760 minute winter	45	2750	7.199	0.094	0.1	0.0005	0.0000	OK	3.020	46	0.1	0.059	0.000	0.0268
									Infiltration		0.0			
5760 minute winter	46	2780	7.130	0.095	0.2	0.0005	0.0000	OK	3.021	47	0.2	0.087	0.000	0.0357
									Infiltration		0.0			
5760 minute winter	47	2750	6.971	0.096	0.3	0.0007	0.0000	OK	3.022	48	0.3	0.058	0.000	0.7108
									Infiltration		0.0			
5760 minute winter	48	6000	6.948	0.153	0.4	0.0184	0.0000	OK	3.023	53	0.4	0.055	0.001	1.4299
									Infiltration		0.2			
5760 minute winter	49	5780	8.112	0.112	39.8	1.5849	0.0000	OK	3.024	50	1.1			
									Infiltration		0.0			
5760 minute winter	50	5750	7.423	0.023	1.1	0.0000	0.0000	OK	4.001	51	1.1	0.682	0.048	0.0104
5760 minute winter	51	5780	7.320	0.020	1.1	0.0000	0.0000	OK	4.002	52	1.1	0.749	0.037	0.0054
5760 minute winter	52	5780	7.221	0.021	1.1	0.0000	0.0000	OK	4.003	53	1.1	0.721	0.041	0.0035
5760 minute winter	53	6000	6.948	0.160	1.1	0.0198	0.0000	OK	3.024	54	0.7	0.112	0.000	2.6250
									Infiltration		0.2			
5760 minute winter	54	6000	6.948	0.323	0.7	0.0358	0.0000	OK	3.025	54_OUT	0.5	0.013	0.000	5.1109
									Infiltration		0.3			
5760 minute winter	54_OUT	6000	6.948	0.443	0.6	0.0532	0.0000	OK	3.025		0.4			

5760 minute winter	55	2880	8.463	0.017	0.2	0.0058	0.0000	OK	5.000	56	0.2	0.184	0.027	0.0182
5760 minute winter	56	2880	8.433	0.017	0.4	0.0280	0.0000	OK	5.001	57	0.3	0.228	0.027	0.0312
									Infiltration		0.1			
5760 minute winter	57	2880	8.335	0.025	0.5	0.0250	0.0000	OK	5.002	58	0.5	0.238	0.058	0.0654
									Infiltration		0.1			
5760 minute winter	58	3000	8.274	0.029	0.7	0.0633	0.0000	OK	5.003	59	0.5	0.250	0.071	0.1081
									Infiltration		0.2			
5760 minute winter	59	3000	8.271	0.086	0.7	0.2941	0.0000	OK	5.004	60	0.5	0.041	0.001	1.5104
									Infiltration		0.3			
5760 minute winter	60	3000	8.271	0.086	0.7	0.0291	0.0000	OK	5.005	61	0.3	0.020	0.000	3.0781
									Infiltration		0.3			
5760 minute winter	61	3000	8.271	0.135	0.5	0.0457	0.0000	OK	5.006	62	0.0	0.000	0.000	0.0000
									Infiltration		0.4			
5760 minute winter	62	2940	8.142	0.036	0.2	0.0018	0.0000	OK	5.007	63	0.2	0.040	0.000	2.4165
5760 minute winter	63	3000	7.952	0.116	0.4	0.0394	0.0000	OK	5.008	63_OUT	0.1	0.014	0.000	2.4832
									Infiltration		0.2			
5760 minute winter	63_OUT	3000	7.952	0.167	0.3	0.0635	0.0000	OK	Infiltration		0.3			
5760 minute winter	64	3540	6.362	0.177	0.1	0.0283	0.0000	OK	5.000	65	0.1	0.024	0.000	1.6329
5760 minute winter	65	3540	6.362	0.237	0.2	0.0379	0.0000	OK	5.001	66	0.1	0.005	0.000	2.2919
									Infiltration		0.1			
5760 minute winter	66	3540	6.362	0.269	0.2	0.0424	0.0000	OK	5.002	67	0.0	0.001	0.000	1.3872
									Infiltration		0.2			
5760 minute winter	67	3540	6.362	0.266	0.1	0.0443	0.0000	OK	5.003	68	0.0	0.000	0.000	0.0000
									Infiltration		0.1			
5760 minute winter	68	2340	6.579	0.003	0.1	0.0004	0.0000	OK	5.004	69	0.1	0.009	0.000	2.2018
5760 minute winter	69	3540	5.881	0.216	0.2	0.0345	0.0000	OK	5.005	70	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
5760 minute winter	70	3540	5.795	0.040	0.1	0.0083	0.0000	OK	5.006	71	0.1	0.014	0.000	0.4055
5760 minute winter	71	3540	5.795	0.110	0.2	0.0175	0.0000	OK	5.007	72	0.1	0.006	0.000	1.6434
									Infiltration		0.1			
5760 minute winter	72	3540	5.795	0.110	0.2	0.0175	0.0000	OK	5.008	73	0.0	0.000	0.000	0.0000
									Infiltration		0.2			
5760 minute winter	73	3540	6.066	0.363	0.1	0.0581	0.0000	OK	5.009	74	0.1	0.013	0.000	1.8734
5760 minute winter	74	3540	6.066	0.363	0.2	0.0581	0.0000	OK	5.010	75	0.1	0.019	0.000	2.1214
									Infiltration		0.1			
5760 minute winter	75	3540	6.068	0.383	0.2	0.0561	0.0000	OK	5.011	76	0.1	0.006	0.000	2.3200
									Infiltration		0.1			
5760 minute winter	76	3540	6.066	0.433	0.2	0.0658	0.0000	OK	5.012	76_OUT	0.1	0.001	0.000	2.4486
									Infiltration		0.1			
5760 minute winter	76_OUT	3540	6.068	0.433	0.2	0.0693	0.0000	OK	Infiltration		0.1			

Results for 100 year +30% 7200 minute summer. 7440 minute analysis at 60 minute timestep. Mass balance: 98.53%

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	3660	9.563	0.263	0.1	0.0090	0.0000	FLOOD RISK	1.090	2	-0.1	-0.014	-0.005	0.4653	
7200 minute summer	2	3600	9.563	0.313	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.016	-0.020	1.1264	
7200 minute summer	3	3660	9.563	0.413	0.6	0.0000	0.0000	FLOOD RISK	1.002	4	-0.6	-0.020	-0.023	0.4686	
7200 minute summer	4	3660	9.563	0.463	0.7	0.0000	0.0000	FLOOD RISK	1.003	5	-0.7	-0.021	-0.029	0.8441	
7200 minute summer	5	3600	9.563	0.563	0.7	0.0000	0.0000	FLOOD RISK	1.004	6	-0.7	-0.023	-0.019	0.1821	
7200 minute summer	6	3600	9.563	0.663	4.0	5.4654	0.0000	FLOOD RISK	1.005	7	4.0	0.340	0.683	0.7796	
7200 minute summer	7	3600	9.562	0.812	8.3	3.3112	0.0000	FLOOD RISK	1.006	8	6.3	0.336	0.690	2.4923	
7200 minute summer	8	3660	9.561	1.011	11.0	6.9426	0.0000	FLOOD RISK	1.007	9	11.0	0.318	0.701	5.9230	
7200 minute summer	9	3600	9.560	1.210	18.7	11.7702	0.0000	FLOOD RISK	1.008	10	18.7	0.306	0.679	3.1360	
7200 minute summer	10	3660	9.566	1.260	20.1	2.2342	0.0000	FLOOD RISK	1.009	11	20.1	0.277	0.736	47.8613	
7200 minute summer	11	3660	9.565	1.566	20.1	0.0000	0.0000	FLOOD RISK	1.010	12	20.1	0.146	0.670	63.3278	
7200 minute summer	12	540	7.750	1.006	20.1	0.0000	0.0000	FLOOD RISK	1.011	13	20.1	0.166	0.702	0.2518	
7200 minute summer	13	3660	9.544	0.644	20.1	0.0000	0.0000	OK	1.012	13_OUT	20.1	2.408	0.616	0.6500	
7200 minute summer	13_OUT	7260	8.093	0.560	20.1	0.0000	0.0000	OK	Flow through pond	48	35.6	0.602	0.660	5179.2666	
7200 minute summer	14	3660	9.565	0.256	0.2	0.0000	0.0000	FLOOD RISK	2.050	15	-0.2	-0.009	-0.005	0.8136	
7200 minute summer	15	3600	9.565	0.466	3.1	3.7204	0.0000	FLOOD RISK	2.001	16	3.1	0.275	0.684	0.9254	
7200 minute summer	16	3600	9.565	0.664	3.1	0.0000	0.0000	FLOOD RISK	2.002	17	3.1	0.294	0.663	0.6320	
7200 minute summer	17	3600	9.565	0.696	4.7	2.1566	0.0000	FLOOD RISK	2.003	18	4.7	0.305	0.690	1.8760	
7200 minute summer	18	3600	9.564	0.873	8.5	5.4936	0.0000	FLOOD RISK	2.004	19	8.5	0.322	0.686	5.4890	
7200 minute summer	19	3600	9.564	1.098	15.1	9.5890	0.0000	FLOOD RISK	2.005	20	15.1	0.303	0.677	4.0826	
7200 minute summer	20	3660	9.553	1.142	15.1	0.0000	0.0000	FLOOD RISK	2.006	21	15.1	0.416	0.676	3.4978	
7200 minute summer	21	3600	9.553	1.181	15.1	0.0000	0.0000	FLOOD RISK	2.007	22	15.1	0.441	0.625	3.7404	
7200 minute summer	22	3600	9.553	1.553	19.3	6.7481	0.0000	FLOOD RISK	2.008	23	19.3	0.160	0.687	53.3017	
7200 minute summer	23	540	7.750	1.600	19.3	0.0000	0.0000	FLOOD RISK	2.009	24	19.3	0.160	0.698	0.2617	
7200 minute summer	24	3660	9.543	0.643	19.3	0.0000	0.0000	OK	2.010	24_OUT	19.3	2.377	0.616	0.6486	
7200 minute summer	24_OUT	7260	8.093	0.560	19.3	0.0000	0.0000	OK	Flow through pond	49	35.6	0.602	0.660	5179.2666	
7200 minute summer	25	3420	8.810	0.014	0.3	0.0087	0.0000	OK	3.000	26	0.3	0.311	0.617	0.0343	
7200 minute summer	26	3420	8.453	0.018	0.6	0.0255	0.0000	OK	3.001	27	0.6	0.399	0.629	0.0460	
								Infiltration			0.1				
7200 minute summer	27	3420	8.133	0.018	0.8	0.0292	0.0000	OK	3.002	28	0.8	0.487	0.629	0.0391	
								Infiltration			0.2				
7200 minute summer	28	3420	7.714	0.018	0.9	0.0244	0.0000	OK	3.003	29	0.9	0.587	0.632	0.0488	
								Infiltration			0.1				
7200 minute summer	29	3420	7.065	0.020	1.1	0.0230	0.0000	OK	3.004	30	1.0	0.728	0.635	0.0091	
								Infiltration			0.1				
7200 minute summer	30	3480	6.839	0.014	1.1	0.0017	0.0000	OK	3.005	31	1.1	0.138	0.690	0.2338	
7200 minute summer	31	3780	6.727	0.032	1.2	0.0036	0.0000	OK	3.006	32	1.0	0.652	0.601	0.4443	
								Infiltration			0.2				
7200 minute summer	32	3720	6.728	0.081	1.1	0.0097	0.0000	OK	3.007	33	-0.1	-0.003	0.600	0.3357	

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7200 minute summer	57	3540	8.335	0.028	0.5	0.0250	0.0000OK	Infiltration	5.052	58	0.5	0.238	0.059	0.0520
7200 minute summer	58	3780	8.283	0.038	0.7	0.1044	0.0000OK	Infiltration	5.003	59	0.5	0.250	0.071	0.1382
7200 minute summer	59	3780	8.281	0.078	0.7	0.3897	0.0000OK	Infiltration	5.004	60	0.5	0.041	0.001	1.7571
7200 minute summer	60	3780	8.281	0.090	0.7	0.0328	0.0000OK	Infiltration	5.005	61	0.3	0.028	0.000	3.4363
7200 minute summer	61	3780	8.281	0.145	0.5	0.0494	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
7200 minute summer	62	3600	8.142	0.000	0.2	0.0018	0.0000OK	Infiltration	5.007	63	0.2	0.040	0.000	2.7540
7200 minute summer	63	3780	7.966	0.130	0.4	0.0442	0.0000OK	Infiltration	5.008	63_OUT	0.1	0.014	0.000	2.7514
7200 minute summer	63_OUT	3780	7.966	0.201	0.3	0.0684	0.0000OK	Infiltration	5.009		0.3			
7200 minute summer	64	4080	6.344	0.158	0.1	0.0255	0.0000OK	Infiltration	6.000	65	0.1	0.024	0.000	1.3691
7200 minute summer	65	4080	6.344	0.219	0.2	0.0351	0.0000OK	Infiltration	6.001	66	0.1	0.005	0.000	2.0835
7200 minute summer	66	4080	6.344	0.251	0.2	0.0387	0.0000OK	Infiltration	6.002	67	0.0	0.002	0.000	1.2518
7200 minute summer	67	4080	6.344	0.283	0.1	0.0416	0.0000OK	Infiltration	6.003	68	0.0	0.000	0.000	0.0000
7200 minute summer	68	3240	6.679	0.003	0.1	0.0004	0.0000OK	Infiltration	6.004	69	0.1	0.009	0.000	2.1837
7200 minute summer	69	4080	5.973	0.214	0.2	0.0343	0.0000OK	Infiltration	6.005	70	0.0	0.000	0.000	0.0000
7200 minute summer	70	4080	5.791	0.038	0.1	0.0057	0.0000OK	Infiltration	6.006	71	0.1	0.014	0.000	0.3023
7200 minute summer	71	4080	5.791	0.106	0.2	0.0169	0.0000OK	Infiltration	6.007	72	0.1	0.008	0.000	1.5745
7200 minute summer	72	4080	5.791	0.106	0.2	0.0169	0.0000OK	Infiltration	6.008	73	0.0	0.000	0.000	0.0000
7200 minute summer	73	4080	6.032	0.327	0.1	0.0524	0.0000OK	Infiltration	6.009	74	0.1	0.013	0.000	1.6215
7200 minute summer	74	4080	6.032	0.327	0.2	0.0524	0.0000OK	Infiltration	6.010	75	0.1	0.018	0.000	1.8362
7200 minute summer	75	4080	6.032	0.327	0.2	0.0524	0.0000OK	Infiltration	6.011	76	0.1	0.009	0.000	2.0315
7200 minute summer	76	4080	6.032	0.397	0.2	0.0604	0.0000OK	Infiltration	6.012	76_OUT	0.1	0.001	0.000	2.1835
7200 minute summer	76_OUT	4080	6.032	0.397	0.2	0.0636	0.0000OK	Infiltration	6.013		0.1			

Results for 100 year +30% 7200 minute winter. 7440 minute analysis at 60 minute timestep. Mass balance: 98.66%

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	9.548	0.248	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.030	-0.006	0.4653	
7200 minute winter	2	3600	9.548	0.208	0.5	0.0000	0.0000	FLOOD RISK	1.001	3	-0.5	-0.029	-0.024	1.1284	
7200 minute winter	3	3600	9.548	0.308	0.8	0.0000	0.0000	FLOOD RISK	1.002	4	-0.8	-0.029	-0.036	0.4686	
7200 minute winter	4	3600	9.548	0.448	0.8	0.0000	0.0000	FLOOD RISK	1.003	5	-0.8	-0.035	-0.036	0.8441	
7200 minute winter	5	3600	9.548	0.548	0.8	0.0000	0.0000	FLOOD RISK	1.004	6	-0.8	-0.029	-0.024	0.1621	
7200 minute winter	6	3600	9.548	0.648	2.9	5.3397	0.0000	FLOOD RISK	1.005	7	2.9	0.340	0.060	0.7796	
7200 minute winter	7	3600	9.547	0.797	4.6	3.2503	0.0000	FLOOD RISK	1.006	8	4.6	0.337	0.066	2.4923	
7200 minute winter	8	3600	9.547	0.897	8.0	6.6437	0.0000	FLOOD RISK	1.007	9	8.0	0.342	0.074	5.9230	
7200 minute winter	9	3600	9.546	1.198	13.5	11.6342	0.0000	FLOOD RISK	1.008	10	13.5	0.327	0.067	3.1260	
7200 minute winter	10	3600	9.548	1.248	14.5	2.2697	0.0000	FLOOD RISK	1.009	11	14.5	0.312	0.068	47.6613	
7200 minute winter	11	3600	9.543	1.543	14.5	0.0000	0.0000	FLOOD RISK	1.010	12	14.5	0.189	0.050	53.3278	
7200 minute winter	12	600	7.750	1.000	14.5	0.0000	0.0000	FLOOD RISK	1.011	13	14.5	0.121	0.074	0.2497	
7200 minute winter	13	3600	9.538	0.938	14.5	0.0000	0.0000	OK	1.012	13_OUT	14.5	2.170	0.012	0.0400	
7200 minute winter	13_OUT	7020	8.160	0.827	14.6	0.0000	0.0000	OK	Flow through pond		49	54.2	0.003	0.000	5787.3106
7200 minute winter	14	3600	9.544	0.244	0.0	0.0000	0.0000	FLOOD RISK	2.000	15	0.0	-0.061	-0.001	0.8136	
7200 minute winter	15	3600	9.544	0.458	2.2	3.6278	0.0000	FLOOD RISK	2.001	16	2.2	0.362	0.045	0.9254	
7200 minute winter	16	3600	9.543	0.552	2.2	0.0000	0.0000	FLOOD RISK	2.002	17	2.2	0.322	0.045	0.6320	
7200 minute winter	17	3600	9.543	0.684	3.3	2.1233	0.0000	FLOOD RISK	2.003	18	3.3	0.325	0.042	1.8750	
7200 minute winter	18	3600	9.543	0.862	6.1	5.4236	0.0000	FLOOD RISK	2.004	19	6.1	0.346	0.046	5.4890	
7200 minute winter	19	3600	9.543	1.087	10.9	9.8010	0.0000	FLOOD RISK	2.005	20	10.9	0.327	0.050	4.0628	
7200 minute winter	20	3600	9.543	1.132	10.9	0.0000	0.0000	FLOOD RISK	2.006	21	10.9	0.452	0.050	3.4978	
7200 minute winter	21	3600	9.543	1.171	10.9	0.0000	0.0000	FLOOD RISK	2.007	22	10.9	0.481	0.018	3.7404	
7200 minute winter	22	3600	9.542	1.542	14.0	8.7003	0.0000	FLOOD RISK	2.008	23	14.0	0.157	0.049	53.3017	
7200 minute winter	23	600	7.750	1.000	14.0	0.0000	0.0000	FLOOD RISK	2.009	24	14.0	0.117	0.071	0.2497	
7200 minute winter	24	3600	9.537	0.937	14.0	0.0000	0.0000	OK	2.010	24_OUT	14.0	2.148	0.011	0.0390	
7200 minute winter	24_OUT	7020	8.160	0.827	14.0	0.0000	0.0000	OK	Flow through pond		49	54.2	0.003	0.000	5787.3106
7200 minute winter	25	3600	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	3600	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	3600	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	3600	7.714	0.018	0.9	0.0244	0.0000	OK	3.003	29	0.8	0.587	0.032	0.0468	
									Infiltration			0.1			
7200 minute winter	29	3600	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	3600	6.838	0.013	1.0	0.0016	0.0000	OK	3.005	31	1.0	0.137	0.000	0.1396	
7200 minute winter	31	3600	6.710	0.015	1.0	0.0018	0.0000	OK	3.006	32	0.8	0.052	0.000	0.2577	
									Infiltration			0.1			
7200 minute winter	32	3600	6.898	0.053	0.9	0.0684	0.0000	OK	3.007	33	0.0	0.000	0.000	0.2651	

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7200 minute winter	57	2289	8.327	0.017	0.3	0.0136	0.0000OK	Infiltration		0.0			
								\$_002	58	0.2	0.177	0.027	0.0378
7200 minute winter	58	2400	8.265	0.020	0.3	0.0328	0.0000OK	Infiltration		0.0			
								\$_003	59	0.2	0.209	0.028	0.0224
7200 minute winter	59	2289	8.217	0.012	0.3	0.0157	0.0000OK	Infiltration		0.1			
								\$_004	60	0.2	0.041	0.000	0.3381
7200 minute winter	60	3960	8.219	0.035	0.3	0.0687	0.0000OK	Infiltration		0.1			
								\$_005	61	0.3	0.029	0.000	1.2742
7200 minute winter	61	4020	8.210	0.074	0.4	0.0253	0.0000OK	Infiltration		0.1			
								\$_006	62	0.0	0.000	0.000	0.0000
7200 minute winter	62	2340	8.140	0.004	0.1	0.0013	0.0000OK	Infiltration		0.3			
								\$_007	63	0.1	0.040	0.000	1.1175
7200 minute winter	63	5040	7.894	0.058	0.2	0.0198	0.0000OK	Infiltration		0.1	0.014	0.000	1.4024
								\$_008	63_OUT	0.1			
7200 minute winter	63_OUT	5040	7.894	0.129	0.2	0.0439	0.0000OK	Infiltration		0.1			
								\$_009		0.2			
7200 minute winter	64	4200	6.357	0.172	0.1	0.0275	0.0000OK	Infiltration		0.1	0.024	0.000	1.4890
7200 minute winter	65	4200	6.357	0.232	0.2	0.0371	0.0000OK	Infiltration		0.1	0.005	0.000	2.2381
								\$_001	66	0.1			
7200 minute winter	66	4200	6.357	0.264	0.2	0.0417	0.0000OK	Infiltration		0.1			
								\$_002	67	0.0	0.002	0.000	1.3363
7200 minute winter	67	4200	6.357	0.281	0.1	0.0438	0.0000OK	Infiltration		0.2			
								\$_003	68	0.0	0.000	0.000	0.0000
7200 minute winter	68	3120	6.579	0.003	0.1	0.0004	0.0000OK	Infiltration		0.1			
								\$_004	69	0.1	0.009	0.000	2.1986
7200 minute winter	69	4200	5.980	0.215	0.2	0.0345	0.0000OK	Infiltration		0.0	0.000	0.000	0.0000
								\$_005	70	0.2			
7200 minute winter	70	4200	5.794	0.039	0.1	0.0062	0.0000OK	Infiltration		0.1	0.014	0.000	0.3698
7200 minute winter	71	4200	5.794	0.109	0.2	0.0174	0.0000OK	Infiltration		0.1	0.000	0.000	1.0297
								\$_007	72	0.1	0.000	0.000	
7200 minute winter	72	4200	5.794	0.109	0.2	0.0174	0.0000OK	Infiltration		0.1			
								\$_008	73	0.0	0.000	0.000	0.0000
7200 minute winter	73	4200	6.558	0.353	0.1	0.0595	0.0000OK	Infiltration		0.2			
								\$_009	74	0.1	0.013	0.000	1.8020
7200 minute winter	74	4200	6.058	0.383	0.2	0.0685	0.0000OK	Infiltration		0.1	0.019	0.000	2.0405
								\$_010	75	0.1			
7200 minute winter	75	4200	6.558	0.353	0.2	0.0595	0.0000OK	Infiltration		0.1	0.000	0.000	2.2384
								\$_011	76	0.1			
7200 minute winter	76	4200	6.058	0.423	0.2	0.0643	0.0000OK	Infiltration		0.1			
								\$_012	76_OUT	0.1	0.001	0.000	2.3681
7200 minute winter	76_OUT	4200	6.558	0.423	0.2	0.0677	0.0000OK	Infiltration		0.1			

Results for 100 year +30% 8640 minute summer, 8640 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)
8640 minute summer	1	4380	9.556	0.258	0.1	0.0090	0.0000	FLOOD RISK	1.090	2	-0.1	-0.006	-0.006	0.4853	
8640 minute summer	2	4380	9.557	0.307	0.4	0.0090	0.0000	FLOOD RISK	1.001	3	-0.4	-0.013	-0.019	1.1264	
8640 minute summer	3	4320	9.557	0.407	0.5	0.0090	0.0000	FLOOD RISK	1.002	4	-0.5	-0.015	-0.023	0.4988	
8640 minute summer	4	4320	9.557	0.457	0.5	0.0090	0.0000	FLOOD RISK	1.003	5	-0.5	-0.017	-0.023	0.8441	
8640 minute summer	5	4320	9.557	0.557	0.6	0.0090	0.0000	FLOOD RISK	1.004	6	-0.6	-0.018	-0.015	0.1821	
8640 minute summer	6	4320	9.557	0.657	3.6	5.4134	0.0000	FLOOD RISK	1.005	7	3.6	0.319	0.074	0.7796	
8640 minute summer	7	4320	9.558	0.806	5.7	3.2861	0.0000	FLOOD RISK	1.006	8	5.7	0.307	0.081	2.4923	
8640 minute summer	8	4320	9.558	1.006	9.8	6.9025	0.0000	FLOOD RISK	1.007	9	9.8	0.307	0.091	5.9230	
8640 minute summer	9	4080	9.555	1.205	15.6	11.7149	0.0000	FLOOD RISK	1.008	10	15.6	0.294	0.070	3.1360	
8640 minute summer	10	4380	9.554	1.254	17.9	2.2242	0.0000	FLOOD RISK	1.009	11	17.9	0.296	0.121	47.8613	
8640 minute summer	11	4380	9.556	1.556	17.9	0.0090	0.0000	FLOOD RISK	1.010	12	17.9	0.148	0.052	63.3278	
8640 minute summer	12	600	7.750	1.006	17.9	0.0090	0.0000	FLOOD RISK	1.011	13	17.9	0.148	0.091	0.2510	
8640 minute summer	13	4380	9.542	0.642	17.9	0.0090	0.0000	OK	1.012	13_OUT	17.9	2.320	0.014	0.0462	
8640 minute summer	13_OUT	8640	8.130	0.597	19.0	0.0090	0.0000	OK	Flow through pond	49	49.5	0.002	0.000	5481.4795	
8640 minute summer	14	4380	9.551	0.251	0.2	0.0090	0.0000	FLOOD RISK	2.050	15	-0.2	-0.010	-0.005	0.8130	
8640 minute summer	15	4320	9.551	0.483	2.7	3.6824	0.0000	FLOOD RISK	2.001	16	2.7	0.277	0.058	0.9254	
8640 minute summer	16	4320	9.550	0.550	2.7	0.0090	0.0000	FLOOD RISK	2.002	17	2.7	0.294	0.055	0.6320	
8640 minute summer	17	4320	9.550	0.691	4.1	2.1442	0.0000	FLOOD RISK	2.003	18	4.1	0.283	0.052	1.8750	
8640 minute summer	18	4320	9.550	0.899	7.5	5.4653	0.0000	FLOOD RISK	2.004	19	7.5	0.295	0.080	5.4890	
8640 minute summer	19	4320	9.549	1.093	13.4	9.5594	0.0000	FLOOD RISK	2.005	20	13.4	0.288	0.088	4.0828	
8640 minute summer	20	4320	9.549	1.138	13.4	0.0090	0.0000	FLOOD RISK	2.006	21	13.4	0.401	0.068	3.4978	
8640 minute summer	21	4380	9.549	1.177	13.4	0.0090	0.0000	FLOOD RISK	2.007	22	13.4	0.430	0.022	3.7404	
8640 minute summer	22	4380	9.548	1.549	17.2	6.7276	0.0000	FLOOD RISK	2.008	23	17.2	0.101	0.080	53.3017	
8640 minute summer	23	600	7.750	1.600	17.2	0.0090	0.0000	FLOOD RISK	2.009	24	17.2	0.143	0.088	0.2510	
8640 minute summer	24	4380	9.541	0.041	17.2	0.0090	0.0000	OK	2.010	24_OUT	17.2	2.291	0.014	0.0450	
8640 minute summer	24_OUT	8640	8.130	0.598	18.9	0.0090	0.0000	OK	Flow through pond	49	49.5	0.002	0.000	5481.4795	
8640 minute summer	25	4200	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	4200	8.453	0.018	0.6	0.0255	0.0000	OK	3.001	27	0.6	0.399	0.029	0.0460	
								Infiltration			0.1				
8640 minute summer	27	4200	8.133	0.018	0.8	0.0292	0.0000	OK	3.002	28	0.8	0.487	0.029	0.0391	
								Infiltration			0.2				
8640 minute summer	28	4200	7.714	0.018	0.9	0.0244	0.0000	OK	3.003	29	0.9	0.587	0.032	0.0488	
								Infiltration			0.1				
8640 minute summer	29	4200	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	0.138	0.000	0.2338	
8640 minute summer	31	4500	6.727	0.032	1.2	0.0038	0.0000	OK	3.006	32	1.0	0.652	0.001	0.4443	
								Infiltration			0.2				
8640 minute summer	32	4500	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	4320	8.335	0.028	0.5	0.0250	0.0000OK	Infiltration	5.052	58	0.5	0.238	0.059	0.0654
8640 minute summer	58	4440	8.274	0.029	0.7	0.0633	0.0000OK	Infiltration	5.003	59	0.5	0.250	0.071	0.1081
8640 minute summer	59	4440	8.271	0.098	0.7	0.2941	0.0000OK	Infiltration	5.004	60	0.5	0.041	0.001	1.5104
8640 minute summer	60	4440	8.271	0.060	0.7	0.0291	0.0000OK	Infiltration	5.005	61	0.3	0.028	0.000	3.0781
8640 minute summer	61	4440	8.271	0.135	0.5	0.0457	0.0000OK	Infiltration	5.006	62	0.0	0.000	0.000	0.0000
8640 minute summer	62	4380	8.142	0.000	0.2	0.0018	0.0000OK	Infiltration	5.007	63	0.2	0.040	0.000	2.4148
8640 minute summer	63	4440	7.952	0.118	0.4	0.0390	0.0000OK	Infiltration	5.008	63_OUT	0.1	0.014	0.000	2.4816
8640 minute summer	63_OUT	4440	7.952	0.187	0.3	0.0635	0.0000OK	Infiltration	5.009		0.2			
8640 minute summer	64	4800	6.344	0.158	0.1	0.0250	0.0000OK	Infiltration	6.000	65	0.1	0.024	0.000	1.3691
8640 minute summer	65	4800	6.344	0.219	0.2	0.0351	0.0000OK	Infiltration	6.001	66	0.1	0.005	0.000	2.0835
8640 minute summer	66	4800	6.344	0.251	0.2	0.0387	0.0000OK	Infiltration	6.002	67	0.0	0.000	0.000	1.2518
8640 minute summer	67	4800	6.344	0.288	0.1	0.0416	0.0000OK	Infiltration	6.003	68	0.0	0.000	0.000	0.0000
8640 minute summer	68	3960	6.079	0.000	0.1	0.0004	0.0000OK	Infiltration	6.004	69	0.1	0.009	0.000	2.1807
8640 minute summer	69	4800	5.979	0.214	0.2	0.0340	0.0000OK	Infiltration	6.005	70	0.0	0.000	0.000	0.0000
8640 minute summer	70	4800	5.791	0.038	0.1	0.0057	0.0000OK	Infiltration	6.006	71	0.1	0.014	0.000	0.3023
8640 minute summer	71	4800	5.791	0.106	0.2	0.0169	0.0000OK	Infiltration	6.007	72	0.1	0.008	0.000	1.5749
8640 minute summer	72	4800	5.791	0.106	0.2	0.0169	0.0000OK	Infiltration	6.008	73	0.0	0.000	0.000	0.0000
8640 minute summer	73	4800	6.032	0.327	0.1	0.0524	0.0000OK	Infiltration	6.009	74	0.1	0.013	0.000	1.6216
8640 minute summer	74	4800	6.032	0.327	0.2	0.0524	0.0000OK	Infiltration	6.010	75	0.1	0.018	0.000	1.8362
8640 minute summer	75	4800	6.032	0.327	0.2	0.0524	0.0000OK	Infiltration	6.011	76	0.1	0.009	0.000	2.0319
8640 minute summer	76	4800	6.032	0.397	0.2	0.0604	0.0000OK	Infiltration	6.012	76_OUT	0.1	0.001	0.000	2.1635
8640 minute summer	76_OUT	4800	6.032	0.397	0.2	0.0636	0.0000OK	Infiltration	6.013		0.1			

Results for 100 year +30% 8640 minute winter, 8640 minute analysis at 60 minute timestep, Mass balance: 98.74%

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	4260	9.544	0.244	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.011	-0.005	0.4653	
8640 minute winter	2	4260	9.544	0.284	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.019	-0.021	1.1284	
8640 minute winter	3	4380	9.544	0.394	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.047	-0.026	0.4686	
8640 minute winter	4	4380	9.544	0.444	0.6	0.0000	0.0000	FLOOD RISK	1.003	5	-0.6	-0.024	-0.026	0.8441	
8640 minute winter	5	4380	9.544	0.544	0.6	0.0000	0.0000	FLOOD RISK	1.004	6	-0.6	-0.021	-0.017	0.1621	
8640 minute winter	6	4260	9.544	0.644	2.7	5.3673	0.0000	FLOOD RISK	1.005	7	2.6	0.340	0.054	0.7796	
8640 minute winter	7	4260	9.544	0.794	4.1	3.2344	0.0000	FLOOD RISK	1.006	8	4.1	0.337	0.059	2.4920	
8640 minute winter	8	4380	9.543	0.893	7.1	8.6173	0.0000	FLOOD RISK	1.007	9	7.1	0.335	0.066	5.9230	
8640 minute winter	9	4440	9.543	1.193	12.0	11.5882	0.0000	FLOOD RISK	1.008	10	12.0	0.319	0.061	3.1260	
8640 minute winter	10	4440	9.543	1.243	12.9	2.2631	0.0000	FLOOD RISK	1.009	11	12.9	0.291	0.067	47.6613	
8640 minute winter	11	4260	9.540	1.540	12.9	0.0000	0.0000	FLOOD RISK	1.010	12	12.9	0.189	0.045	53.3278	
8640 minute winter	12	720	7.750	1.000	12.9	0.0000	0.0000	FLOOD RISK	1.011	13	12.9	0.166	0.066	0.2491	
8640 minute winter	13	4380	9.538	0.938	12.9	0.0000	0.0000	OK	1.012	13_OUT	12.9	2.093	0.010	0.0369	
8640 minute winter	13_OUT	8400	8.189	0.869	12.9	0.0000	0.0000	OK	Flow through pond	49	52.7	0.603	0.000	8151.3369	
8640 minute winter	14	4320	9.540	0.240	0.2	0.0000	0.0000	FLOOD RISK	2.000	15	-0.2	-0.067	-0.007	0.8136	
8640 minute winter	15	4380	9.540	0.454	2.0	3.6015	0.0000	FLOOD RISK	2.001	16	2.0	0.361	0.041	0.9254	
8640 minute winter	16	4320	9.540	0.549	2.0	0.0000	0.0000	FLOOD RISK	2.002	17	2.0	0.320	0.041	0.6320	
8640 minute winter	17	4320	9.540	0.681	3.0	2.1130	0.0000	FLOOD RISK	2.003	18	3.0	0.323	0.038	1.8750	
8640 minute winter	18	4320	9.540	0.859	5.5	5.4034	0.0000	FLOOD RISK	2.004	19	5.5	0.332	0.044	5.4890	
8640 minute winter	19	4380	9.540	1.084	9.7	9.7725	0.0000	FLOOD RISK	2.005	20	9.7	0.317	0.049	4.0628	
8640 minute winter	20	4380	9.540	1.128	9.7	0.0000	0.0000	FLOOD RISK	2.006	21	9.7	0.427	0.049	3.4978	
8640 minute winter	21	4320	9.539	1.197	9.7	0.0000	0.0000	FLOOD RISK	2.007	22	9.7	0.463	0.019	3.7404	
8640 minute winter	22	4320	9.538	1.538	12.4	8.6870	0.0000	FLOOD RISK	2.008	23	12.4	0.150	0.043	53.3017	
8640 minute winter	23	720	7.750	1.000	12.4	0.0000	0.0000	FLOOD RISK	2.009	24	12.4	0.104	0.063	0.2491	
8640 minute winter	24	4380	9.535	0.035	12.4	0.0000	0.0000	OK	2.010	24_OUT	12.4	2.068	0.010	0.0358	
8640 minute winter	24_OUT	8490	8.199	0.869	12.4	0.0000	0.0000	OK	Flow through pond	49	52.7	0.603	0.000	8151.3369	
8640 minute winter	25	3480	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	3480	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	3480	8.129	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	3480	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	3480	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	3480	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	3480	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	3600	6.875	0.030	0.5	0.0037	0.0000	OK	3.007	33	0.6	0.000	0.000	0.1126	

									Infiltration			0.1			
									Infiltration			0.4			
8640 minute winter	33	60	6.776	0.000	0.0	0.0000	0.0000	OK	3.008	34	6.0	0.000	0.000	0.0002	
8640 minute winter	34	60	6.745	0.000	0.0	0.0000	0.0000	OK	3.009	35	6.0	0.000	0.000	0.0002	
									Infiltration			0.0			
8640 minute winter	35	60	6.875	0.000	0.0	0.0000	0.0000	OK	3.010	36	6.0	0.000	0.000	0.0002	
									Infiltration			0.0			
8640 minute winter	36	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.011	37	6.0	0.000	0.000	0.0000	
									Infiltration			0.0			
8640 minute winter	37	60	6.505	0.000	0.0	0.0000	0.0000	OK	3.012	38	6.0	0.000	0.000	0.0003	
8640 minute winter	38	60	6.205	0.000	0.0	0.0000	0.0000	OK	3.013	39	6.0	0.000	0.000	0.0002	
									Infiltration			0.0			
									Infiltration			0.0			
8640 minute winter	39	60	6.455	0.000	0.0	0.0000	0.0000	OK	3.014	40	6.0	0.000	0.000	0.0002	
									Infiltration			0.0			
8640 minute winter	40	60	6.595	0.000	0.0	0.0000	0.0000	OK	3.015	41	6.0	0.000	0.000	0.0002	
									Infiltration			0.0			
8640 minute winter	41	60	6.805	0.000	0.0	0.0000	0.0000	OK	3.016	42	6.0	0.000	0.000	0.0002	
									Infiltration			0.0			
8640 minute winter	42	60	7.085	0.000	0.0	0.0000	0.0000	OK	3.017	43	6.0	0.000	0.000	0.0002	
									Infiltration			0.0			
8640 minute winter	43	60	7.145	0.000	0.0	0.0000	0.0000	OK	3.018	44	6.0	0.000	0.000	0.0002	
									Infiltration			0.0			
8640 minute winter	44	60	7.225	0.000	0.0	0.0000	0.0000	OK	3.019	45	6.0	0.000	0.000	0.0002	
8640 minute winter	45	60	7.195	0.000	0.0	0.0000	0.0000	OK	3.020	46	6.0	0.000	0.000	0.0002	
									Infiltration			0.0			
8640 minute winter	46	60	7.125	0.000	0.0	0.0000	0.0000	OK	3.021	47	6.0	0.000	0.000	0.0006	
									Infiltration			0.0			
8640 minute winter	47	8680	7.059	0.094	0.1	0.0112	0.0000	OK	3.022	48	-0.1	-0.001	0.000	1.8256	
									Infiltration			0.1			
8640 minute winter	48	8890	7.059	0.294	0.3	0.0316	0.0000	OK	3.023	53	-0.3	-0.005	0.000	2.8376	
									Infiltration			0.2			
8640 minute winter	49	8580	8.192	0.192	57.6	2.7150	0.0000	UNCHARGED	Orifice	50	1.5				
									Infiltration			0.0			
8640 minute winter	50	8580	7.427	0.027	1.5	0.0000	0.0000	OK	4.001	51	1.5	0.780	0.007	0.0129	
8640 minute winter	51	8580	7.323	0.023	1.5	0.0000	0.0000	OK	4.002	52	1.5	0.823	0.000	0.0008	
8640 minute winter	52	8580	7.224	0.024	1.5	0.0000	0.0000	OK	4.003	53	1.5	0.791	0.006	0.0044	
8640 minute winter	53	8890	7.059	0.274	1.5	0.0328	0.0000	OK	3.024	54	0.8	0.100	0.000	4.3295	
									Infiltration			0.3			
8640 minute winter	54	8680	7.059	0.434	0.8	0.0620	0.0000	OK	3.025	54_OUT	0.8	0.019	0.000	7.3857	
									Infiltration			0.4			
8640 minute winter	54_OUT	8890	7.059	0.554	0.5	0.0634	0.0000	OK	Infiltration			0.5			
8640 minute winter	55	2580	8.458	0.013	0.1	0.0043	0.0000	OK	5.000	56	0.1	0.150	0.014	0.0111	
8640 minute winter	56	2680	8.428	0.012	0.2	0.0148	0.0000	OK	5.001	57	0.2	0.182	0.012	0.0180	

8640 minute winter	57	2889	8.327	0.017	0.3	0.0136	0.0000OK	Infiltration		0.0			
								\$_002	58	0.2	0.177	0.027	0.0378
8640 minute winter	58	3000	8.265	0.020	0.3	0.0328	0.0000OK	Infiltration		0.0			
								\$_003	59	0.2	0.209	0.028	0.0224
8640 minute winter	59	2889	8.217	0.012	0.3	0.0157	0.0000OK	Infiltration		0.1			
								\$_004	60	0.2	0.041	0.000	0.3361
8640 minute winter	60	4560	8.218	0.035	0.3	0.0667	0.0000OK	Infiltration		0.1			
								\$_005	61	0.3	0.029	0.000	1.2742
8640 minute winter	61	4620	8.218	0.074	0.4	0.0253	0.0000OK	Infiltration		0.1			
								\$_006	62	0.0	0.000	0.000	0.0000
8640 minute winter	62	2940	8.140	0.004	0.1	0.0013	0.0000OK	Infiltration		0.3			
								\$_007	63	0.1	0.040	0.000	1.1175
8640 minute winter	63	5889	7.894	0.058	0.2	0.0198	0.0000OK	Infiltration		0.1	0.014	0.000	1.4024
								\$_008	63_OUT	0.1			
8640 minute winter	63_OUT	5889	7.894	0.129	0.2	0.0439	0.0000OK	Infiltration		0.1			
								\$_009		0.2			
8640 minute winter	64	4740	6.335	0.158	0.1	0.0240	0.0000OK	Infiltration		0.1	0.024	0.000	1.2879
8640 minute winter	65	4740	6.335	0.219	0.2	0.0336	0.0000OK	Infiltration		0.1	0.005	0.000	1.9798
								\$_001	66	0.1			
8640 minute winter	66	4740	6.335	0.242	0.2	0.0363	0.0000OK	Infiltration		0.1			
								\$_002	67	0.0	0.001	0.000	1.1944
8640 minute winter	67	4740	6.335	0.259	0.1	0.0402	0.0000OK	Infiltration		0.2			
								\$_003	68	0.0	0.000	0.000	0.0000
8640 minute winter	68	4020	6.579	0.003	0.1	0.0004	0.0000OK	Infiltration		0.1			
								\$_004	69	0.1	0.009	0.000	2.1654
8640 minute winter	69	4740	5.978	0.213	0.2	0.0341	0.0000OK	Infiltration		0.0	0.000	0.000	0.0000
								\$_005	70	0.2			
8640 minute winter	70	4740	5.788	0.033	0.1	0.0053	0.0000OK	Infiltration		0.1	0.014	0.000	0.3688
8640 minute winter	71	4740	5.788	0.103	0.2	0.0195	0.0000OK	Infiltration		0.1	0.000	0.000	1.5346
								\$_006	71	0.1			
8640 minute winter	72	4740	5.788	0.103	0.2	0.0185	0.0000OK	Infiltration		0.1			
								\$_007	72	0.1	0.000	0.000	1.5346
8640 minute winter	73	4740	6.518	0.311	0.1	0.0497	0.0000OK	Infiltration		0.1			
								\$_008	73	0.0	0.000	0.000	0.0000
8640 minute winter	74	4740	6.018	0.311	0.2	0.0497	0.0000OK	Infiltration		0.2			
								\$_009	74	0.1	0.013	0.000	1.5076
8640 minute winter	75	4740	6.518	0.311	0.2	0.0497	0.0000OK	Infiltration		0.1	0.019	0.000	1.7672
								\$_010	75	0.1			
8640 minute winter	76	4740	6.018	0.381	0.2	0.0579	0.0000OK	Infiltration		0.1	0.000	0.000	1.9008
								\$_011	76	0.1	0.000	0.000	1.9008
8640 minute winter	76	4740	6.018	0.381	0.2	0.0579	0.0000OK	Infiltration		0.1			
								\$_012	76_OUT	0.1	0.001	0.000	2.0339
8640 minute winter	76_OUT	4740	6.018	0.381	0.2	0.0609	0.0000OK	Infiltration		0.1			
								\$_013		0.1			

Results for 100 year +30% 10080 minute summer, 10320 minute analysis at 60 minute timestep, Mass balance: 98.68%

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)
10080 minute summer	1	5040	9.553	0.253	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.004	-0.003	0.4853	
10080 minute summer	2	5100	9.553	0.303	0.3	0.0000	0.0000	FLOOD RISK	1.001	3	-0.3	-0.018	-0.014	1.1294	
10080 minute summer	3	5100	9.553	0.403	0.4	0.0000	0.0000	FLOOD RISK	1.002	4	-0.4	-0.018	-0.018	0.4888	
10080 minute summer	4	5100	9.553	0.453	0.5	0.0000	0.0000	FLOOD RISK	1.003	5	-0.5	-0.017	-0.023	0.8441	
10080 minute summer	5	5100	9.553	0.553	0.8	0.0000	0.0000	FLOOD RISK	1.004	6	-0.6	-0.018	-0.015	0.1821	
10080 minute summer	6	5040	9.553	0.653	3.3	5.3800	0.0000	FLOOD RISK	1.005	7	3.3	0.319	0.068	0.7798	
10080 minute summer	7	5040	9.552	0.802	5.2	3.2689	0.0000	FLOOD RISK	1.006	8	5.2	0.305	0.074	2.4823	
10080 minute summer	8	5100	9.552	1.002	9.9	8.8759	0.0000	FLOOD RISK	1.007	9	9.0	0.295	0.083	5.9230	
10080 minute summer	9	5040	9.551	1.201	15.2	11.8788	0.0000	FLOOD RISK	1.008	10	15.2	0.286	0.084	3.1393	
10080 minute summer	10	5040	9.551	1.251	16.4	2.2177	0.0000	FLOOD RISK	1.009	11	16.4	0.281	0.111	47.8013	
10080 minute summer	11	5040	9.547	1.547	16.4	0.0000	0.0000	FLOOD RISK	1.010	12	16.4	0.152	0.067	53.5278	
10080 minute summer	12	860	7.750	1.000	16.4	0.0000	0.0000	FLOOD RISK	1.011	13	16.4	0.137	0.084	0.2505	
10080 minute summer	13	5100	9.540	0.040	16.4	0.0000	0.0000	OK	1.012	13_OUT	16.4	2.255	0.013	0.0438	
10080 minute summer	13_OUT	10080	8.162	0.529	18.1	0.0000	0.0000	OK	Flow through pond	49	28.6	0.002	0.000	5798.3169	
10080 minute summer	14	5040	9.547	0.247	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.005	-0.005	0.8136	
10080 minute summer	15	5040	9.547	0.491	2.5	3.8565	0.0000	FLOOD RISK	2.001	16	2.5	0.277	0.052	0.9254	
10080 minute summer	16	5040	9.547	0.556	2.5	0.0000	0.0000	FLOOD RISK	2.002	17	2.5	0.291	0.051	0.6323	
10080 minute summer	17	5040	9.547	0.688	3.8	2.1344	0.0000	FLOOD RISK	2.003	18	3.8	0.271	0.048	1.8750	
10080 minute summer	18	5040	9.547	0.860	6.9	5.4456	0.0000	FLOOD RISK	2.004	19	6.9	0.284	0.055	5.4890	
10080 minute summer	19	5100	9.540	1.090	12.2	9.8317	0.0000	FLOOD RISK	2.005	20	12.2	0.272	0.082	4.0828	
10080 minute summer	20	5040	9.546	1.135	12.2	0.0000	0.0000	FLOOD RISK	2.006	21	12.2	0.365	0.082	3.4879	
10080 minute summer	21	5040	9.545	1.174	12.2	0.0000	0.0000	FLOOD RISK	2.007	22	12.2	0.415	0.020	3.7404	
10080 minute summer	22	5040	9.548	1.540	15.7	5.7148	0.0000	FLOOD RISK	2.008	23	15.7	0.103	0.058	53.3017	
10080 minute summer	23	860	7.750	1.000	15.7	0.0000	0.0000	FLOOD RISK	2.009	24	15.7	0.131	0.080	0.2504	
10080 minute summer	24	5100	9.539	0.039	15.7	0.0000	0.0000	OK	2.010	24_OUT	15.7	2.225	0.013	0.0422	
10080 minute summer	24_OUT	10080	8.162	0.529	20.2	0.0000	0.0000	OK	Flow through pond	49	28.6	0.002	0.000	5798.3169	
10080 minute summer	25	4980	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	27	4980	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															
10080 minute summer	27	4980	8.133	0.018	0.8	0.0292	0.0000	OK	3.002	28	0.6	0.487	0.029	0.0391	
10080 minute summer															
10080 minute summer	28	4980	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															
10080 minute summer	29	4980	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															
10080 minute summer	30	5040	8.839	0.014	1.1	0.0917	0.0000	OK	3.005	31	1.1	0.136	0.060	0.2338	
10080 minute summer	31	5160	8.727	0.032	1.2	0.0838	0.0000	OK	3.006	32	1.0	0.052	0.001	0.4443	
10080 minute summer															
10080 minute summer	32	5160	8.728	0.081	1.1	0.0097	0.0000	OK	3.007	33	-0.1	-0.093	0.000	0.3357	

								Infiltration			0.4		
								Infiltration			0.7		
10080 minute summer	33	5040	8.777	0.002	0.1	0.0003	0.0000OK	3.008	34	0.0	0.000	0.000	0.0184
10080 minute summer	34	5040	8.748	0.003	0.1	0.0004	0.0000OK	3.009	35	0.1	0.055	0.000	0.0171
								Infiltration			0.0		
10080 minute summer	35	5040	8.678	0.004	0.2	0.0004	0.0000OK	3.010	36	0.2	0.012	0.000	0.2791
								Infiltration			0.0		
10080 minute summer	36	5160	8.576	0.073	0.3	0.0083	0.0000OK	3.011	37	0.0	0.000	0.000	0.0003
								Infiltration			0.3		
10080 minute summer	37	5040	8.508	0.003	0.1	0.0003	0.0000OK	3.012	38	0.1	0.000	0.000	0.5365
10080 minute summer	38	5160	8.347	0.082	0.7	0.0098	0.0000OK	3.013	39	-0.5	-0.030	0.000	0.3805
								Infiltration			0.3		
								Infiltration			0.4		
10080 minute summer	39	5040	8.462	0.007	0.5	0.0008	0.0000OK	3.014	40	-0.4	-0.130	0.000	0.0491
								Infiltration			0.0		
10080 minute summer	40	5040	6.701	0.508	0.4	0.0507	0.0000OK	3.015	41	-0.3	-0.116	0.000	0.0388
								Infiltration			0.0		
10080 minute summer	41	5040	8.871	0.005	0.3	0.0007	0.0000OK	3.016	42	-0.2	-0.097	0.000	0.0324
								Infiltration			0.0		
10080 minute summer	42	5040	7.088	0.004	0.3	0.0005	0.0000OK	3.017	43	-0.2	-0.084	0.000	0.0319
								Infiltration			0.0		
10080 minute summer	43	5040	7.150	0.005	0.2	0.0008	0.0000OK	3.018	44	-0.1	-0.031	0.000	0.0251
								Infiltration			0.0		
10080 minute summer	44	5040	7.228	0.003	0.1	0.0003	0.0000OK	3.019	45	0.0	0.023	0.000	0.0202
10080 minute summer	45	5040	7.199	0.004	0.1	0.0005	0.0000OK	3.020	46	0.1	0.059	0.000	0.0285
								Infiltration			0.0		
10080 minute summer	46	5040	7.130	0.005	0.2	0.0005	0.0000OK	3.021	47	0.2	0.087	0.000	0.1865
								Infiltration			0.0		
10080 minute summer	47	10320	7.013	0.048	0.3	0.0058	0.0000OK	3.022	48	0.3	0.058	0.000	1.3048
								Infiltration			0.0		
10080 minute summer	48	10320	7.013	0.218	0.4	0.0262	0.0000OK	3.023	49	0.4	0.085	0.000	2.2228
								Infiltration			0.2		
10080 minute summer	49	10140	8.154	0.154	37.2	2.1848	0.0000SURCHARGE REQUIRED	Office	50	1.3			
								Infiltration			0.0		
10080 minute summer	50	10140	7.425	0.020	1.3	0.0000	0.0000OK	4.001	51	1.3	0.733	0.059	0.0118
10080 minute summer	51	10140	7.322	0.022	1.3	0.0003	0.0000OK	4.002	52	1.3	0.792	0.045	0.0062
10080 minute summer	52	10140	7.223	0.023	1.3	0.0003	0.0000OK	4.003	53	1.3	0.793	0.058	0.0040
10080 minute summer	53	10320	7.013	0.228	1.3	0.0274	0.0000OK	3.024	54	0.8	0.112	0.000	3.5907
								Infiltration			0.5		
10080 minute summer	54	10320	7.013	0.388	0.8	0.0468	0.0000OK	3.025	54_OUT	0.5	0.013	0.000	5.4132
								Infiltration			0.3		
10080 minute summer	54_OUT	10320	7.013	0.508	0.8	0.0810	0.0000OK	Infiltration			0.4		
10080 minute summer	55	5100	8.463	0.017	0.2	0.0058	0.0000OK	5.000	56	0.2	0.154	0.027	0.0182
10080 minute summer	56	5100	8.433	0.017	0.4	0.0283	0.0000OK	5.001	57	0.3	0.228	0.027	0.0312

10080 minute summer	57	5180	8.335	0.029	0.5	0.0260	0.0000OK	Infiltration	5.002	58	0.1	0.238	0.059	0.0527
10080 minute summer	58	5040	8.272	0.027	0.7	0.0588	0.0000OK	Infiltration	5.003	59	0.1	0.250	0.071	0.0704
10080 minute summer	59	5100	8.248	0.043	0.7	0.1555	0.0000OK	Infiltration	5.004	60	0.2	0.041	0.001	1.0230
10080 minute summer	60	5100	8.248	0.083	0.7	0.0214	0.0000OK	Infiltration	5.005	61	0.2	0.028	0.000	2.3638
10080 minute summer	61	5100	8.248	0.112	0.5	0.0381	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	1.8505
10080 minute summer	63	5180	7.930	0.094	0.4	0.0319	0.0000OK	Infiltration	5.008	63_OUT	0.2	0.014	0.000	2.0398
10080 minute summer	63_OUT	5180	7.930	0.185	0.3	0.0568	0.0000OK	Infiltration	5.009		0.2			
10080 minute summer	64	5460	6.335	0.150	0.1	0.0240	0.0000OK	Infiltration	6.000	65	0.1	0.024	0.000	1.2879
10080 minute summer	65	5460	6.335	0.210	0.2	0.0336	0.0000OK	Infiltration	6.001	66	0.1	0.005	0.000	1.9798
10080 minute summer	66	5460	6.335	0.242	0.2	0.0383	0.0000OK	Infiltration	6.002	67	0.1	0.001	0.000	1.1844
10080 minute summer	67	5460	6.335	0.259	0.1	0.0402	0.0000OK	Infiltration	6.003	68	0.2	0.000	0.000	0.0000
10080 minute summer	68	4740	5.079	0.003	0.1	0.0004	0.0000OK	Infiltration	6.004	69	0.1	0.009	0.000	2.1564
10080 minute summer	69	5460	5.978	0.213	0.2	0.0341	0.0000OK	Infiltration	6.005	70	0.0	0.000	0.000	0.0000
10080 minute summer	70	5460	5.788	0.033	0.1	0.0053	0.0000OK	Infiltration	6.006	71	0.2	0.014	0.000	0.3688
10080 minute summer	71	5460	5.788	0.103	0.2	0.0165	0.0000OK	Infiltration	6.007	72	0.1	0.008	0.000	1.5346
10080 minute summer	72	5460	5.788	0.103	0.2	0.0165	0.0000OK	Infiltration	6.008	73	0.1			
10080 minute summer	73	5460	5.015	0.311	0.1	0.0497	0.0000OK	Infiltration	6.009	74	0.0	0.000	0.000	0.0000
10080 minute summer	74	5460	5.015	0.311	0.2	0.0497	0.0000OK	Infiltration	6.010	75	0.1	0.019	0.000	1.7072
10080 minute summer	75	5460	5.015	0.311	0.2	0.0497	0.0000OK	Infiltration	6.011	76	0.1	0.008	0.000	1.9508
10080 minute summer	76	5460	6.016	0.381	0.2	0.0578	0.0000OK	Infiltration	6.012	76_OUT	0.1	0.001	0.000	2.0338
10080 minute summer	76_OUT	5460	6.015	0.381	0.2	0.0509	0.0000OK	Infiltration	6.013		0.1			

Results for 100 year +30% 10080 minute winter, 10328 minute analysis at 60 minute timestep. Mass balance: 88.88%

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	9.541	0.241	0.1	0.0000	0.0000	FLOOD RISK	1.000	2	-0.1	-0.008	-0.003	0.4853	
10080 minute winter	2	5100	9.541	0.291	0.4	0.0000	0.0000	FLOOD RISK	1.001	3	-0.4	-0.013	-0.019	1.1264	
10080 minute winter	3	5040	9.542	0.302	0.5	0.0000	0.0000	FLOOD RISK	1.002	4	-0.5	-0.020	-0.022	0.4988	
10080 minute winter	4	5040	9.542	0.442	0.5	0.0000	0.0000	FLOOD RISK	1.003	5	-0.5	-0.018	-0.023	0.8441	
10080 minute winter	5	5100	9.541	0.541	0.6	0.0000	0.0000	FLOOD RISK	1.004	6	-0.6	-0.024	-0.015	0.1821	
10080 minute winter	6	5100	9.541	0.641	2.4	5.2848	0.0000	FLOOD RISK	1.005	7	2.4	0.319	0.048	0.7798	
10080 minute winter	7	4980	9.541	0.791	3.6	3.2235	0.0000	FLOOD RISK	1.006	8	3.6	0.307	0.054	2.4823	
10080 minute winter	8	4980	9.541	0.991	6.5	6.7992	0.0000	FLOOD RISK	1.007	9	6.5	0.319	0.089	5.9230	
10080 minute winter	9	4980	9.540	1.190	11.0	11.5740	0.0000	FLOOD RISK	1.008	10	11.0	0.300	0.048	3.1360	
10080 minute winter	10	4980	9.540	1.340	11.0	2.1988	0.0000	FLOOD RISK	1.009	11	11.0	0.283	0.080	47.8613	
10080 minute winter	11	4980	9.538	1.538	11.8	0.0000	0.0000	FLOOD RISK	1.010	12	11.8	0.148	0.041	53.3278	
10080 minute winter	12	780	7.750	1.090	11.8	0.0000	0.0000	FLOOD RISK	1.011	13	11.8	0.099	0.060	0.2486	
10080 minute winter	13	5040	9.534	0.034	11.8	0.0000	0.0000	OK	1.012	13_OUT	11.8	2.037	0.010	0.0347	
10080 minute winter	13_OUT	9780	8.234	0.701	24.6	0.0000	0.0000	OK	Flow through pond	48	33.2	0.002	0.000	8483.1851	
10080 minute winter	14	5040	9.538	0.238	0.1	0.0000	0.0000	FLOOD RISK	2.000	15	-0.1	-0.008	-0.003	0.8136	
10080 minute winter	15	5100	9.538	0.452	1.8	3.5834	0.0000	FLOOD RISK	2.001	16	1.8	0.277	0.037	0.0254	
10080 minute winter	16	5100	9.538	0.547	1.8	0.0000	0.0000	FLOOD RISK	2.002	17	1.8	0.294	0.037	0.6320	
10080 minute winter	17	5040	9.538	0.679	2.7	2.1064	0.0000	FLOOD RISK	2.003	18	2.7	0.305	0.038	1.8750	
10080 minute winter	18	5040	9.538	0.857	4.9	5.3895	0.0000	FLOOD RISK	2.004	19	4.9	0.322	0.039	5.4890	
10080 minute winter	19	5100	9.538	1.082	8.8	9.7530	0.0000	FLOOD RISK	2.005	20	8.8	0.311	0.045	4.0828	
10080 minute winter	20	5100	9.537	1.128	8.8	0.0000	0.0000	FLOOD RISK	2.006	21	8.8	0.427	0.044	3.4979	
10080 minute winter	21	5040	9.537	1.165	8.8	0.0000	0.0000	FLOOD RISK	2.007	22	8.8	0.452	0.015	3.7404	
10080 minute winter	22	5040	9.537	1.537	11.3	6.0779	0.0000	FLOOD RISK	2.008	23	11.3	0.179	0.039	53.3017	
10080 minute winter	23	780	7.750	1.000	11.3	0.0000	0.0000	FLOOD RISK	2.009	24	11.3	0.095	0.068	0.2488	
10080 minute winter	24	5100	9.534	0.034	11.3	0.0000	0.0000	OK	2.010	24_OUT	11.3	2.010	0.008	0.0337	
10080 minute winter	24_OUT	9780	8.234	0.701	14.6	0.0000	0.0000	OK	Flow through pond	48	33.2	0.002	0.000	8483.1851	
10080 minute winter	25	4140	8.897	0.011	0.2	0.0072	0.0000	OK	3.000	26	0.2	0.262	0.011	0.0253	
10080 minute winter	26	4140	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	4140	8.129	0.014	0.5	0.0200	0.0000	OK	3.002	28	0.5	0.417	0.017	0.0279	
								Infiltration			0.1				
10080 minute winter	28	4140	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	4140	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	4140	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	4140	6.708	0.011	0.6	0.0013	0.0000	OK	3.006	32	0.6	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	