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

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
1440 minute winter	S01	480	26.545	0.008	0.1	0.0055	0.0000	OK
1440 minute winter	S02	480	25.909	0.009	0.1	0.0002	0.0000	OK
1440 minute winter	S03	750	26.723	0.023	1.2	0.0719	0.0000	OK
1440 minute winter	S04	930	25.629	0.023	1.3	21.9980	0.0000	OK
1440 minute winter	S05	930	25.611	0.022	0.8	0.0384	0.0000	OK
1440 minute winter	OU	690	25.821	0.021	0.7	0.0442	0.0000	OK
1440 minute winter	S06	720	25.640	0.022	0.7	0.0382	0.0000	OK
1440 minute winter	S07	930	25.569	0.274	3.9	0.4837	0.0000	SURCHARGED
1440 minute winter	S08	750	26.889	0.039	3.1	0.4907	0.0000	OK
1440 minute winter	SW1	750	26.777	0.027	3.1	0.0000	0.0000	OK
1440 minute winter	SP1	750	26.865	0.035	3.6	0.4090	0.0000	OK
1440 minute winter	SW2	750	26.710	0.042	6.9	0.0268	0.0000	OK
1440 minute winter	SP2	750	26.850	0.030	3.6	0.3543	0.0000	OK
1440 minute winter	SW3	750	26.654	0.052	10.7	0.0315	0.0000	OK
1440 minute winter	SP3	750	26.850	0.030	3.6	0.3553	0.0000	OK
1440 minute winter	SW4	750	26.599	0.063	14.5	0.0353	0.0000	OK
1440 minute winter	S09	30	25.870	0.000	0.0	0.0000	0.0000	OK
1440 minute winter	S10	930	25.569	0.209	17.4	103.3648	0.0000	OK
1440 minute winter	S11	900	25.577	0.336	35.0	0.8558	0.0000	SURCHARGED
1440 minute winter	Headwall	30	25.000	0.000	10.4	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
1440 minute winter	S01	1.000	S02	0.1	0.270	0.006	0.0030	
1440 minute winter	S02	1.001	S04	0.1	0.198	0.001	0.1199	
1440 minute winter	S03	2.000	S04	1.2	0.570	0.021	0.0235	
1440 minute winter	S04	1.002	S05	0.8	0.318	0.007	0.0113	
1440 minute winter	S05	1.003	S07	0.8	0.235	0.007	3.2647	
1440 minute winter	OU	3.000	S06	0.7	0.328	0.006	0.0637	
1440 minute winter	S06	3.001	S07	0.7	0.164	0.007	4.8815	
1440 minute winter	S07	1.004	S11	11.2	0.341	0.278	0.3573	
1440 minute winter	S08	4.000	SW1	3.1	0.662	0.021	0.0881	
1440 minute winter	SW1	4.001	SW2	3.1	0.256	0.001	0.4034	
1440 minute winter	SP1	5.000	SW2	3.6	0.719	0.017	0.0368	
1440 minute winter	SW2	4.002	SW3	6.9	0.375	0.001	0.4862	
1440 minute winter	SP2	6.000	SW3	3.6	0.889	0.013	0.0298	
1440 minute winter	SW3	4.003	SW4	10.7	0.441	0.001	0.6412	
1440 minute winter	SP3	7.000	SW4	3.6	0.889	0.013	0.0298	
1440 minute winter	SW4	4.004	S10	14.5	0.574	0.002	0.5755	
1440 minute winter	S09	8.000	S10	0.0	0.000	0.000	3.9829	
1440 minute winter	S10	4.005	S11	27.2	0.434	0.099	0.5301	
1440 minute winter	S11	Hydro-Brake®	Headwall	10.4				563.8

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Results for 100 year +50% CC 15 minute summer. 255 minute analysis at 1 minute timestep. Mass balance: 98.98%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	S01	10	26.631	0.094	11.2	0.0624	0.0000	OK
15 minute summer	S02	10	25.985	0.085	11.1	0.0015	0.0000	OK
15 minute summer	S03	10	27.246	0.546	91.8	1.6996	0.0000	SURCHARGED
15 minute summer	S04	81	25.853	0.247	122.6	239.7130	0.0000	OK
15 minute summer	S05	18	25.927	0.338	115.0	0.5967	0.0000	OK
15 minute summer	OU	18	26.168	0.368	56.6	0.7895	0.0000	OK
15 minute summer	S06	18	26.191	0.573	55.5	1.0125	0.0000	SURCHARGED
15 minute summer	S07	18	26.177	0.882	119.0	1.5591	0.0000	SURCHARGED
15 minute summer	S08	11	27.352	0.502	240.9	6.3272	0.0000	FLOOD RISK
15 minute summer	SW1	11	27.025	0.275	233.8	0.0000	0.0000	OK
15 minute summer	SP1	10	27.333	0.503	280.1	5.9220	0.0000	SURCHARGED
15 minute summer	SW2	11	27.027	0.359	524.8	0.2312	0.0000	OK
15 minute summer	SP2	11	27.241	0.421	280.1	4.9664	0.0000	SURCHARGED
15 minute summer	SW3	11	27.017	0.415	814.7	0.2493	0.0000	OK
15 minute summer	SP3	10	27.178	0.358	280.1	4.2293	0.0000	OK
15 minute summer	SW4	11	26.986	0.450	1098.6	0.2538	0.0000	OK
15 minute summer	S09	16	27.442	1.572	46.8	1.7783	0.0000	FLOOD RISK
15 minute summer	S10	16	26.865	1.505	1110.4	397.8197	0.0000	SURCHARGED
15 minute summer	S11	16	26.795	1.554	140.9	3.9552	0.0000	SURCHARGED
15 minute summer	Headwall	1	25.000	0.000	11.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	S01	1.000	S02	11.1	1.010	0.625	0.0899	
15 minute summer	S02	1.001	S04	11.3	1.147	0.089	2.8263	
15 minute summer	S03	2.000	S04	89.3	2.247	1.586	0.4398	
15 minute summer	S04	1.002	S05	-115.5	-1.904	-0.917	0.3441	
15 minute summer	S05	1.003	S07	-115.0	-1.044	-0.913	7.9042	
15 minute summer	OU	3.000	S06	55.5	1.092	0.440	3.2875	
15 minute summer	S06	3.001	S07	50.1	0.812	0.467	12.2420	
15 minute summer	S07	1.004	S11	-119.0	-2.992	-2.967	0.3573	
15 minute summer	S08	4.000	SW1	233.8	2.208	1.595	1.8251	
15 minute summer	SW1	4.001	SW2	237.2	0.648	0.059	12.7028	
15 minute summer	SP1	5.000	SW2	275.6	2.499	1.320	0.8022	
15 minute summer	SW2	4.002	SW3	529.2	1.018	0.064	14.4363	
15 minute summer	SP2	6.000	SW3	269.5	2.500	0.950	0.7946	
15 minute summer	SW3	4.003	SW4	812.6	1.228	0.099	17.6400	
15 minute summer	SP3	7.000	SW4	273.5	2.702	0.965	0.7597	
15 minute summer	SW4	4.004	S10	1083.6	1.593	0.132	15.6101	
15 minute summer	S09	8.000	S10	-46.8	-0.487	-0.370	13.9586	
15 minute summer	S10	4.005	S11	140.9	1.277	0.514	0.7012	
15 minute summer	S11	Hydro-Brake®	Headwall	11.0				162.7

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Results for 100 year +50% CC 15 minute winter. 255 minute analysis at 1 minute timestep. Mass balance: 98.21%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute winter	S01	10	26.634	0.097	11.8	0.0646	0.0000	OK
15 minute winter	S02	10	25.987	0.087	11.7	0.0016	0.0000	OK
15 minute winter	S03	10	27.288	0.588	96.5	1.8301	0.0000	SURCHARGED
15 minute winter	S04	81	25.894	0.288	149.3	279.2509	0.0000	OK
15 minute winter	S05	16	25.960	0.371	129.9	0.6557	0.0000	OK
15 minute winter	OU	16	26.333	0.533	59.5	1.1418	0.0000	SURCHARGED
15 minute winter	S06	16	26.257	0.639	58.0	1.1285	0.0000	SURCHARGED
15 minute winter	S07	16	26.338	1.043	134.5	1.8428	0.0000	SURCHARGED
15 minute winter	S08	11	27.385	0.535	253.2	6.7386	0.0000	FLOOD RISK
15 minute winter	SW1	11	27.032	0.282	244.0	0.0000	0.0000	OK
15 minute winter	SP1	10	27.355	0.525	294.4	6.1816	0.0000	SURCHARGED
15 minute winter	SW2	17	27.035	0.367	544.3	0.2364	0.0000	OK
15 minute winter	SP2	11	27.266	0.446	294.4	5.2518	0.0000	SURCHARGED
15 minute winter	SW3	11	27.024	0.422	850.6	0.2538	0.0000	OK
15 minute winter	SP3	11	27.242	0.422	294.4	4.9869	0.0000	SURCHARGED
15 minute winter	SW4	18	27.072	0.536	1152.6	0.3025	0.0000	OK
15 minute winter	S09	16	27.293	1.423	99.0	1.6092	0.0000	SURCHARGED
15 minute winter	S10	16	27.053	1.693	1164.4	398.1164	0.0000	SURCHARGED
15 minute winter	S11	16	27.004	1.763	204.7	4.4870	0.0000	SURCHARGED
15 minute winter	Headwall	1	25.000	0.000	11.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute winter	S01	1.000	S02	11.7	1.020	0.657	0.0936	
15 minute winter	S02	1.001	S04	11.8	1.143	0.094	3.3322	
15 minute winter	S03	2.000	S04	93.3	2.346	1.656	0.4398	
15 minute winter	S04	1.002	S05	-128.1	-1.967	-1.017	0.4019	
15 minute winter	S05	1.003	S07	-129.9	-1.178	-1.031	8.1074	
15 minute winter	OU	3.000	S06	58.0	1.106	0.460	3.2951	
15 minute winter	S06	3.001	S07	52.9	0.865	0.493	12.2420	
15 minute winter	S07	1.004	S11	-128.4	-3.229	-3.202	0.3573	
15 minute winter	S08	4.000	SW1	244.0	2.288	1.665	1.8473	
15 minute winter	SW1	4.001	SW2	244.4	0.652	0.061	13.2404	
15 minute winter	SP1	5.000	SW2	288.5	2.616	1.382	0.8026	
15 minute winter	SW2	4.002	SW3	550.8	1.004	0.067	14.9523	
15 minute winter	SP2	6.000	SW3	283.1	2.567	0.998	0.8033	
15 minute winter	SW3	4.003	SW4	856.2	1.234	0.104	20.0513	
15 minute winter	SP3	7.000	SW4	279.8	2.706	0.987	0.7923	
15 minute winter	SW4	4.004	S10	1136.7	1.611	0.138	21.7775	
15 minute winter	S09	8.000	S10	-99.0	-1.020	-0.783	13.9586	
15 minute winter	S10	4.005	S11	204.7	1.856	0.746	0.7012	
15 minute winter	S11	Hydro-Brake®	Headwall	11.0				162.5

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Results for 100 year +50% CC 30 minute summer. 270 minute analysis at 1 minute timestep. Mass balance: 98.09%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute summer	S01	18	26.626	0.089	10.2	0.0588	0.0000	OK
30 minute summer	S02	18	25.980	0.080	10.2	0.0014	0.0000	OK
30 minute summer	S03	18	27.187	0.487	83.7	1.5147	0.0000	SURCHARGED
30 minute summer	S04	90	25.966	0.360	170.0	349.0945	0.0000	OK
30 minute summer	S05	23	25.975	0.386	138.1	0.6818	0.0000	SURCHARGED
30 minute summer	OU	23	26.305	0.505	51.5	1.0820	0.0000	SURCHARGED
30 minute summer	S06	22	26.392	0.774	51.6	1.3671	0.0000	SURCHARGED
30 minute summer	S07	23	26.349	1.054	136.1	1.8633	0.0000	SURCHARGED
30 minute summer	S08	18	27.292	0.442	219.4	5.5653	0.0000	SURCHARGED
30 minute summer	SW1	23	27.164	0.414	212.0	0.0000	0.0000	OK
30 minute summer	SP1	18	27.298	0.468	255.1	5.5052	0.0000	SURCHARGED
30 minute summer	SW2	29	27.130	0.462	476.5	0.2978	0.0000	OK
30 minute summer	SP2	18	27.170	0.350	255.1	4.1211	0.0000	OK
30 minute summer	SW3	30	27.137	0.535	735.1	0.3213	0.0000	OK
30 minute summer	SP3	25	27.155	0.335	255.1	3.9615	0.0000	OK
30 minute summer	SW4	29	27.128	0.592	1002.0	0.3338	0.0000	OK
30 minute summer	S09	24	27.340	1.470	134.1	1.6628	0.0000	FLOOD RISK
30 minute summer	S10	30	27.154	1.794	1027.3	398.2754	0.0000	SURCHARGED
30 minute summer	S11	28	27.084	1.843	148.9	4.6906	0.0000	SURCHARGED
30 minute summer	Headwall	1	25.000	0.000	11.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute summer	S01	1.000	S02	10.2	0.993	0.575	0.0841	
30 minute summer	S02	1.001	S04	10.3	1.033	0.081	4.4702	
30 minute summer	S03	2.000	S04	83.3	2.095	1.479	0.4398	
30 minute summer	S04	1.002	S05	-139.0	-2.004	-1.103	0.4716	
30 minute summer	S05	1.003	S07	-138.1	-1.252	-1.095	8.1152	
30 minute summer	OU	3.000	S06	51.6	1.070	0.409	3.2951	
30 minute summer	S06	3.001	S07	40.2	0.694	0.375	12.2420	
30 minute summer	S07	1.004	S11	-130.9	-3.292	-3.264	0.3573	
30 minute summer	S08	4.000	SW1	212.0	2.109	1.446	1.9925	
30 minute summer	SW1	4.001	SW2	215.8	0.650	0.054	21.2867	
30 minute summer	SP1	5.000	SW2	255.0	2.312	1.221	0.7987	
30 minute summer	SW2	4.002	SW3	483.1	0.977	0.059	22.1134	
30 minute summer	SP2	6.000	SW3	254.6	2.443	0.898	0.7665	
30 minute summer	SW3	4.003	SW4	746.3	1.203	0.091	28.1382	
30 minute summer	SP3	7.000	SW4	254.0	2.618	0.896	0.7876	
30 minute summer	SW4	4.004	S10	1004.1	1.559	0.122	30.4858	
30 minute summer	S09	8.000	S10	-134.1	-1.284	-1.060	13.9586	
30 minute summer	S10	4.005	S11	148.9	1.350	0.543	0.7012	
30 minute summer	S11	Hydro-Brake®	Headwall	11.0				170.1

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Results for 100 year +50% CC 30 minute winter. 270 minute analysis at 1 minute timestep. Mass balance: 98.10%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
30 minute winter	S01	18	26.620	0.083	9.2	0.0550	0.0000	OK
30 minute winter	S02	91	26.025	0.125	9.2	0.0022	0.0000	OK
30 minute winter	S03	18	27.115	0.415	75.7	1.2894	0.0000	SURCHARGED
30 minute winter	S04	91	26.024	0.418	198.3	405.5997	0.0000	SURCHARGED
30 minute winter	S05	91	26.024	0.435	146.8	0.7680	0.0000	SURCHARGED
30 minute winter	OU	22	26.496	0.696	46.6	1.4921	0.0000	SURCHARGED
30 minute winter	S06	22	26.438	0.820	46.8	1.4493	0.0000	SURCHARGED
30 minute winter	S07	22	26.427	1.132	151.1	2.0000	0.0000	SURCHARGED
30 minute winter	S08	25	27.336	0.486	198.4	6.1165	0.0000	FLOOD RISK
30 minute winter	SW1	27	27.292	0.542	475.4	0.0000	0.0000	OK
30 minute winter	SP1	29	27.287	0.457	230.7	5.3744	0.0000	SURCHARGED
30 minute winter	SW2	29	27.282	0.614	437.1	0.3953	0.0000	OK
30 minute winter	SP2	29	27.286	0.465	230.7	5.4868	0.0000	SURCHARGED
30 minute winter	SW3	30	27.282	0.680	679.6	0.4085	0.0000	OK
30 minute winter	SP3	30	27.295	0.475	230.7	5.6138	0.0000	SURCHARGED
30 minute winter	SW4	31	27.283	0.747	921.0	0.4212	0.0000	OK
30 minute winter	S09	21	27.600	1.730	50.8	1.9566	0.3469	FLOOD
30 minute winter	S10	30	27.291	1.931	942.0	398.4915	0.0000	SURCHARGED
30 minute winter	S11	30	27.203	1.962	153.1	4.9931	0.0000	FLOOD RISK
30 minute winter	Headwall	1	25.000	0.000	11.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
30 minute winter	S01	1.000	S02	9.2	0.970	0.518	0.0776	
30 minute winter	S02	1.001	S04	9.3	0.972	0.074	5.2250	
30 minute winter	S03	2.000	S04	75.5	1.899	1.341	0.4391	
30 minute winter	S04	1.002	S05	-146.8	-2.067	-1.165	0.4752	
30 minute winter	S05	1.003	S07	-146.8	-1.331	-1.165	8.1152	
30 minute winter	OU	3.000	S06	46.8	1.033	0.371	3.2951	
30 minute winter	S06	3.001	S07	36.2	0.731	0.338	12.2420	
30 minute winter	S07	1.004	S11	-134.7	-3.387	-3.358	0.3573	
30 minute winter	S08	4.000	SW1	197.1	2.102	1.345	2.0444	
30 minute winter	SW1	4.001	SW2	-356.4	0.629	-0.089	37.4044	
30 minute winter	SP1	5.000	SW2	230.4	2.090	1.103	0.8108	
30 minute winter	SW2	4.002	SW3	438.6	0.951	0.053	36.8860	
30 minute winter	SP2	6.000	SW3	230.2	2.350	0.812	0.8108	
30 minute winter	SW3	4.003	SW4	678.1	1.174	0.082	44.4865	
30 minute winter	SP3	7.000	SW4	230.0	2.522	0.811	0.8108	
30 minute winter	SW4	4.004	S10	920.2	1.528	0.112	45.5245	
30 minute winter	S09	8.000	S10	-50.8	-0.548	-0.402	13.9586	
30 minute winter	S10	4.005	S11	153.1	1.389	0.558	0.7012	
30 minute winter	S11	Hydro-Brake®	Headwall	11.0				169.6

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Results for 100 year +50% CC 60 minute summer. 300 minute analysis at 1 minute timestep. Mass balance: 98.42%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute summer	S01	33	26.611	0.074	7.7	0.0493	0.0000	OK
60 minute summer	S02	106	26.095	0.195	7.7	0.0035	0.0000	OK
60 minute summer	S03	33	27.004	0.304	63.2	0.9446	0.0000	SURCHARGED
60 minute summer	S04	106	26.093	0.487	192.1	473.1489	0.0000	SURCHARGED
60 minute summer	S05	106	26.093	0.504	144.5	0.8910	0.0000	SURCHARGED
60 minute summer	OU	36	26.452	0.652	38.9	1.3979	0.0000	SURCHARGED
60 minute summer	S06	36	26.391	0.773	39.2	1.3662	0.0000	SURCHARGED
60 minute summer	S07	38	26.359	1.064	148.9	1.8804	0.0000	SURCHARGED
60 minute summer	S08	42	27.312	0.462	165.6	5.8171	0.0000	FLOOD RISK
60 minute summer	SW1	44	27.292	0.542	178.1	0.0000	0.0000	OK
60 minute summer	SP1	46	27.286	0.456	192.6	5.3660	0.0000	SURCHARGED
60 minute summer	SW2	46	27.280	0.612	556.0	0.3939	0.0000	OK
60 minute summer	SP2	47	27.283	0.463	192.6	5.4629	0.0000	SURCHARGED
60 minute summer	SW3	46	27.276	0.674	572.8	0.4051	0.0000	OK
60 minute summer	SP3	45	27.280	0.460	192.6	5.4346	0.0000	SURCHARGED
60 minute summer	SW4	45	27.293	0.757	774.9	0.4271	0.0000	OK
60 minute summer	S09	39	27.351	1.481	108.3	1.6749	0.0000	FLOOD RISK
60 minute summer	S10	44	27.279	1.919	790.5	398.4727	0.0000	SURCHARGED
60 minute summer	S11	46	27.201	1.960	159.7	4.9884	0.0000	FLOOD RISK
60 minute summer	Headwall	1	25.000	0.000	11.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute summer	S01	1.000	S02	7.7	0.930	0.434	0.0677	
60 minute summer	S02	1.001	S04	7.8	0.801	0.062	6.1709	
60 minute summer	S03	2.000	S04	63.0	1.586	1.119	0.4329	
60 minute summer	S04	1.002	S05	-145.3	-2.049	-1.153	0.4752	
60 minute summer	S05	1.003	S07	-144.5	-1.310	-1.147	8.1152	
60 minute summer	OU	3.000	S06	39.2	0.926	0.311	3.2951	
60 minute summer	S06	3.001	S07	27.8	0.595	0.259	12.2420	
60 minute summer	S07	1.004	S11	-134.5	-3.382	-3.353	0.3573	
60 minute summer	S08	4.000	SW1	166.0	2.050	1.132	2.0444	
60 minute summer	SW1	4.001	SW2	190.0	0.614	0.047	37.5287	
60 minute summer	SP1	5.000	SW2	192.5	2.073	0.922	0.8108	
60 minute summer	SW2	4.002	SW3	368.8	0.918	0.045	36.9473	
60 minute summer	SP2	6.000	SW3	192.3	2.195	0.678	0.8108	
60 minute summer	SW3	4.003	SW4	571.1	1.131	0.069	44.9559	
60 minute summer	SP3	7.000	SW4	192.2	2.417	0.678	0.8108	
60 minute summer	SW4	4.004	S10	772.2	1.465	0.094	45.5662	
60 minute summer	S09	8.000	S10	-108.3	-0.982	-0.856	13.9586	
60 minute summer	S10	4.005	S11	159.7	1.448	0.582	0.7012	
60 minute summer	S11	Hydro-Brake®	Headwall	11.0				185.7

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Results for 100 year +50% CC 60 minute winter. 300 minute analysis at 1 minute timestep. Mass balance: 98.64%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
60 minute winter	S01	33	26.602	0.065	6.2	0.0433	0.0000	OK
60 minute winter	S02	97	26.182	0.282	6.2	0.0051	0.0000	OK
60 minute winter	S03	33	26.893	0.193	51.1	0.6003	0.0000	OK
60 minute winter	S04	97	26.180	0.574	198.2	557.4151	0.0000	SURCHARGED
60 minute winter	S05	94	26.193	0.604	151.7	1.0665	0.0000	SURCHARGED
60 minute winter	OU	35	26.436	0.636	31.5	1.3637	0.0000	SURCHARGED
60 minute winter	S06	38	26.410	0.792	30.5	1.3990	0.0000	SURCHARGED
60 minute winter	S07	59	26.399	1.104	152.1	1.9505	0.0000	SURCHARGED
60 minute winter	S08	47	27.426	0.576	134.0	7.2607	0.0000	FLOOD RISK
60 minute winter	SW1	49	27.414	0.664	187.0	0.0000	0.0000	OK
60 minute winter	SP1	49	27.417	0.587	155.8	6.9087	0.0000	SURCHARGED
60 minute winter	SW2	48	27.415	0.747	503.5	0.4809	0.0000	OK
60 minute winter	SP2	48	27.420	0.600	155.8	7.0686	0.0000	SURCHARGED
60 minute winter	SW3	49	27.416	0.814	463.7	0.4893	0.0000	OK
60 minute winter	SP3	49	27.420	0.600	155.8	7.0958	0.0000	SURCHARGED
60 minute winter	SW4	48	27.420	0.884	627.9	0.4986	0.0000	OK
60 minute winter	S09	34	27.595	1.725	55.4	1.9515	3.4828	FLOOD
60 minute winter	S10	49	27.421	2.061	641.6	398.6966	0.0000	FLOOD RISK
60 minute winter	S11	49	27.340	2.099	158.3	5.3412	0.0000	FLOOD RISK
60 minute winter	Headwall	1	25.000	0.000	11.2	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
60 minute winter	S01	1.000	S02	6.2	0.882	0.349	0.0575	
60 minute winter	S02	1.001	S04	6.4	0.741	0.051	7.3145	
60 minute winter	S03	2.000	S04	51.1	1.505	0.907	0.3778	
60 minute winter	S04	1.002	S05	-151.8	-2.068	-1.205	0.4752	
60 minute winter	S05	1.003	S07	-151.7	-1.377	-1.204	8.1152	
60 minute winter	OU	3.000	S06	30.5	0.885	0.242	3.2951	
60 minute winter	S06	3.001	S07	28.9	0.633	0.270	12.2420	
60 minute winter	S07	1.004	S11	-139.5	-3.508	-3.478	0.3573	
60 minute winter	S08	4.000	SW1	134.0	1.871	0.914	2.0444	
60 minute winter	SW1	4.001	SW2	168.7	0.609	0.042	55.0523	
60 minute winter	SP1	5.000	SW2	165.3	1.992	0.792	0.8108	
60 minute winter	SW2	4.002	SW3	298.6	0.885	0.036	53.2158	
60 minute winter	SP2	6.000	SW3	155.7	2.059	0.549	0.8108	
60 minute winter	SW3	4.003	SW4	467.7	1.079	0.057	62.3216	
60 minute winter	SP3	7.000	SW4	163.6	2.295	0.577	0.8108	
60 minute winter	SW4	4.004	S10	626.0	1.389	0.076	61.4817	
60 minute winter	S09	8.000	S10	-55.4	-0.502	-0.438	13.9586	
60 minute winter	S10	4.005	S11	158.3	1.435	0.577	0.7012	
60 minute winter	S11	Hydro-Brake®	Headwall	11.2				184.4

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Results for 100 year +50% CC 120 minute summer. 360 minute analysis at 2 minute timestep. Mass balance: 98.93%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute summer	S01	64	26.595	0.058	5.0	0.0383	0.0000	OK
120 minute summer	S02	138	26.268	0.368	5.0	0.0066	0.0000	OK
120 minute summer	S03	64	26.861	0.161	41.3	0.4996	0.0000	OK
120 minute summer	S04	138	26.261	0.655	183.8	636.0544	0.0000	SURCHARGED
120 minute summer	S05	134	26.271	0.682	146.2	1.2050	0.0000	SURCHARGED
120 minute summer	OU	120	26.440	0.640	25.4	1.3707	0.0000	SURCHARGED
120 minute summer	S06	120	26.440	0.822	24.3	1.4518	0.0000	SURCHARGED
120 minute summer	S07	120	26.440	1.145	147.2	2.0225	0.0000	SURCHARGED
120 minute summer	S08	80	27.349	0.499	108.2	6.2926	0.0000	FLOOD RISK
120 minute summer	SW1	82	27.341	0.591	137.0	0.0000	0.0000	OK
120 minute summer	SP1	80	27.344	0.514	125.9	6.0501	0.0000	SURCHARGED
120 minute summer	SW2	80	27.340	0.672	275.8	0.4327	0.0000	OK
120 minute summer	SP2	78	27.345	0.525	125.9	6.1868	0.0000	SURCHARGED
120 minute summer	SW3	80	27.341	0.739	375.1	0.4443	0.0000	OK
120 minute summer	SP3	80	27.346	0.526	125.9	6.2133	0.0000	SURCHARGED
120 minute summer	SW4	78	27.341	0.805	510.8	0.4539	0.0000	OK
120 minute summer	S09	64	27.600	1.730	21.1	1.9565	0.0000	FLOOD RISK
120 minute summer	S10	80	27.343	1.983	495.0	398.5743	0.0000	FLOOD RISK
120 minute summer	S11	82	27.266	2.025	146.9	5.1526	0.0000	FLOOD RISK
120 minute summer	Headwall	2	25.000	0.000	11.0	0.0000	0.0000	OK

Link Event	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
120 minute summer	S01	1.000	S02	5.0	0.835	0.282	0.0490	
120 minute summer	S02	1.001	S04	5.0	0.538	0.040	8.0765	
120 minute summer	S03	2.000	S04	41.3	1.456	0.733	0.3165	
120 minute summer	S04	1.002	S05	-146.2	-2.042	-1.160	0.4752	
120 minute summer	S05	1.003	S07	-146.2	-1.328	-1.160	8.1152	
120 minute summer	OU	3.000	S06	23.2	0.723	0.184	3.2951	
120 minute summer	S06	3.001	S07	21.2	0.504	0.197	12.2420	
120 minute summer	S07	1.004	S11	-134.7	-3.387	-3.359	0.3573	
120 minute summer	S08	4.000	SW1	108.2	1.795	0.738	2.0444	
120 minute summer	SW1	4.001	SW2	141.8	0.601	0.035	44.7143	
120 minute summer	SP1	5.000	SW2	125.9	1.900	0.603	0.8108	
120 minute summer	SW2	4.002	SW3	241.4	0.855	0.029	44.0546	
120 minute summer	SP2	6.000	SW3	126.1	1.965	0.445	0.8108	
120 minute summer	SW3	4.003	SW4	386.0	1.018	0.047	52.1680	
120 minute summer	SP3	7.000	SW4	124.5	2.247	0.439	0.8108	
120 minute summer	SW4	4.004	S10	482.4	1.300	0.059	52.2644	
120 minute summer	S09	8.000	S10	-21.1	-0.258	-0.166	13.9586	
120 minute summer	S10	4.005	S11	146.9	1.332	0.536	0.7012	
120 minute summer	S11	Hydro-Brake®	Headwall	11.0				216.6

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