Results for 100 year +50% CC 120 minute winter. 360 minute analysis at 2 minute timestep. Mass balance: 99.03%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
120 minute winter	S01	64	26.587	0.050	3.9	0.0333	0.0000	OK
120 minute winter	S02	150	26.403	0.503	3.9	0.0091	0.0000	SURCHARGED
120 minute winter	S03	64	26.834	0.134	31.8	0.4155	0.0000	OK
120 minute winter	S04	150	26.397	0.791	177.5	767.5526	0.0000	SURCHARGED
120 minute winter	S05	148	26.402	0.813	147.4	1.4369	0.0000	SURCHARGED
120 minute winter	OU	120	26.540	0.740	20.9	1.5867	0.0000	FLOOD RISK
120 minute winter	S06	120	26.541	0.923	19.8	1.6302	0.0000	SURCHARGED
120 minute winter	S07	120	26.541	1.246	147.0	2.2017	0.0000	SURCHARGED
120 minute winter	S08	86	27.444	0.594	83.5	7.4823	0.0000	FLOOD RISK
120 minute winter	SW1	88	27.439	0.689	83.1	0.0000	0.0000	OK
120 minute winter	SP1	88	27.442	0.612	97.1	7.2044	0.0000	SURCHARGED
120 minute winter	SW2	88	27.439	0.771	231.8	0.4966	0.0000	OK
120 minute winter	SP2	86	27.443	0.623	97.1	7.3393	0.0000	SURCHARGED
120 minute winter	SW3	88	27.439	0.837	291.5	0.5030	0.0000	OK
120 minute winter	SP3	86	27.443	0.623	97.1	7.3578	0.0000	SURCHARGED
120 minute winter	SW4	88	27.440	0.904	376.7	0.5098	0.0000	OK
120 minute winter	S09	88	27.474	1.604	16.3	1.8136	0.0000	FLOOD RISK
120 minute winter	S10	88	27.439	2.079	383.1	398.7262	0.0000	FLOOD RISK
120 minute winter	S11	86	27.361	2.120	146.7	5.3941	0.0000	FLOOD RISK
120 minute winter	Headwall	2	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)
120 minute winter	S01	1.000	S02	3.9	0.783	0.220	0.0408	
120 minute winter	S02	1.001	S04	3.9	0.550	0.031	8.0968	
120 minute winter	S03	2.000	S04	31.8	1.380	0.565	0.2573	
120 minute winter	S04	1.002	S05	-146.9	-1.982	-1.166	0.4752	
120 minute winter	S05	1.003	S07	-147.4	-1.338	-1.170	8.1152	
120 minute winter	OU	3.000	S06	17.5	0.723	0.139	3.2951	
120 minute winter	S06	3.001	S07	21.0	0.524	0.196	12.2420	
120 minute winter	S07	1.004	S11	-134.5	-3.382	-3.353	0.3573	
120 minute winter	S08	4.000	SW1	83.1	1.702	0.567	2.0444	
120 minute winter	SW1	4.001	SW2	144.5	0.589	0.036	58.7695	
120 minute winter	SP1	5.000	SW2	96.8	1.783	0.463	0.8108	
120 minute winter	SW2	4.002	SW3	193.7	0.808	0.024	56.4408	
120 minute winter	SP2	6.000	SW3	133.2	1.853	0.470	0.8108	
120 minute winter	SW3	4.003	SW4	276.6	0.965	0.034	65.6570	
120 minute winter	SP3	7.000	SW4	100.7	2.178	0.355	0.8108	
120 minute winter	SW4	4.004	S10	373.7	1.224	0.045	64.6615	
120 minute winter	S09	8.000	S10	21.9	0.199	0.173	13.9586	
120 minute winter	S10	4.005	S11	146.7	1.330	0.535	0.7012	
120 minute winter	S11	Hydro-Brake®	Headwall	11.2				209.1

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Results for 100 year +50% CC 180 minute summer. 420 minute analysis at 4 minute timestep. Mass balance: 99.03%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute summer	S01	96	26.586	0.049	3.7	0.0324	0.0000	OK
180 minute summer	S02	184	26.371	0.471	3.7	0.0085	0.0000	SURCHARGED
180 minute summer	S03	96	26.831	0.131	30.7	0.4060	0.0000	OK
180 minute summer	S04	188	26.366	0.760	170.3	737.5883	0.0000	SURCHARGED
180 minute summer	S05	188	26.366	0.777	142.5	1.3725	0.0000	SURCHARGED
180 minute summer	OU	164	26.479	0.679	18.9	1.4548	0.0000	SURCHARGED
180 minute summer	S06	164	26.478	0.860	20.3	1.5201	0.0000	SURCHARGED
180 minute summer	S07	164	26.475	1.180	143.5	2.0849	0.0000	SURCHARGED
180 minute summer	S08	116	27.320	0.470	80.4	5.9214	0.0000	FLOOD RISK
180 minute summer	SW1	116	27.316	0.566	79.1	0.0000	0.0000	OK
180 minute summer	SP1	116	27.320	0.490	93.5	5.7606	0.0000	SURCHARGED
180 minute summer	SW2	116	27.317	0.649	275.3	0.4181	0.0000	OK
180 minute summer	SP2	116	27.321	0.501	93.5	5.9109	0.0000	SURCHARGED
180 minute summer	SW3	116	27.317	0.715	271.1	0.4299	0.0000	OK
180 minute summer	SP3	116	27.320	0.500	93.5	5.9134	0.0000	SURCHARGED
180 minute summer	SW4	116	27.319	0.783	365.6	0.4415	0.0000	OK
180 minute summer	S09	120	27.321	1.451	12.6	1.6411	0.0000	FLOOD RISK
180 minute summer	S10	116	27.316	1.956	438.6	398.5316	0.0000	FLOOD RISK
180 minute summer	S11	116	27.242	2.001	145.4	5.0926	0.0000	FLOOD RISK
180 minute summer	Headwall	4	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)
180 minute summer	S01	1.000	S02	3.7	0.772	0.208	0.0392	
180 minute summer	S02	1.001	S04	3.7	0.484	0.029	8.0968	
180 minute summer	S03	2.000	S04	30.7	1.370	0.545	0.2504	
180 minute summer	S04	1.002	S05	-142.4	-1.981	-1.130	0.4752	
180 minute summer	S05	1.003	S07	-142.5	-1.295	-1.131	8.1152	
180 minute summer	OU	3.000	S06	20.3	0.645	0.161	3.2951	
180 minute summer	S06	3.001	S07	16.3	0.464	0.152	12.2420	
180 minute summer	S07	1.004	S11	-130.4	-3.278	-3.250	0.3573	
180 minute summer	S08	4.000	SW1	79.1	1.689	0.540	2.0444	
180 minute summer	SW1	4.001	SW2	134.3	0.584	0.033	41.6069	
180 minute summer	SP1	5.000	SW2	92.4	1.762	0.442	0.8108	
180 minute summer	SW2	4.002	SW3	173.0	0.801	0.021	41.3361	
180 minute summer	SP2	6.000	SW3	92.5	1.856	0.326	0.8108	
180 minute summer	SW3	4.003	SW4	267.4	0.956	0.033	49.3319	
180 minute summer	SP3	7.000	SW4	97.0	2.187	0.342	0.8108	
180 minute summer	SW4	4.004	S10	416.9	1.211	0.051	49.4256	
180 minute summer	S09	8.000	S10	-12.6	-0.128	-0.100	13.9586	
180 minute summer	S10	4.005	S11	145.4	1.318	0.530	0.7012	
180 minute summer	S11	Hydro-Brake®	Headwall	11.0				243.7

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Results for 100 year +50% CC 180 minute winter. 420 minute analysis at 4 minute timestep. Mass balance: 99.16%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
180 minute winter	S01	96	26.580	0.043	2.9	0.0284	0.0000	OK
180 minute winter	S02	196	26.523	0.623	3.7	0.0112	0.0000	SURCHARGED
180 minute winter	S03	96	26.811	0.111	23.6	0.3438	0.0000	OK
180 minute winter	S04	200	26.521	0.915	163.9	888.6378	0.0000	SURCHARGED
180 minute winter	S05	196	26.525	0.936	139.1	1.6535	0.0000	SURCHARGED
180 minute winter	OU	176	26.620	0.820	14.6	1.7576	0.0000	FLOOD RISK
180 minute winter	S06	176	26.620	1.002	14.4	1.7709	0.0000	SURCHARGED
180 minute winter	S07	176	26.620	1.325	141.3	2.3417	0.0000	SURCHARGED
180 minute winter	S08	124	27.388	0.538	62.0	6.7777	0.0000	FLOOD RISK
180 minute winter	SW1	124	27.383	0.633	59.0	0.0000	0.0000	OK
180 minute winter	SP1	124	27.387	0.557	72.1	6.5508	0.0000	SURCHARGED
180 minute winter	SW2	124	27.383	0.715	131.5	0.4607	0.0000	OK
180 minute winter	SP2	124	27.387	0.567	72.1	6.6820	0.0000	SURCHARGED
180 minute winter	SW3	124	27.383	0.781	203.4	0.4695	0.0000	OK
180 minute winter	SP3	124	27.387	0.567	72.1	6.6949	0.0000	SURCHARGED
180 minute winter	SW4	124	27.383	0.847	275.1	0.4779	0.0000	OK
180 minute winter	S09	128	27.397	1.527	9.5	1.7273	0.0000	FLOOD RISK
180 minute winter	S10	124	27.383	2.023	280.1	398.6374	0.0000	FLOOD RISK
180 minute winter	S11	124	27.311	2.070	141.8	5.2693	0.0000	FLOOD RISK
180 minute winter	Headwall	4	25.000	0.000	11.1	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)
180 minute winter	S01	1.000	S02	2.9	0.723	0.163	0.0328	
180 minute winter	S02	1.001	S04	2.9	0.507	0.023	8.0968	
180 minute winter	S03	2.000	S04	23.6	1.289	0.419	0.2045	
180 minute winter	S04	1.002	S05	-138.8	-1.907	-1.102	0.4752	
180 minute winter	S05	1.003	S07	-139.1	-1.261	-1.104	8.1152	
180 minute winter	OU	3.000	S06	14.4	0.642	0.114	3.2951	
180 minute winter	S06	3.001	S07	13.6	0.456	0.127	12.2420	
180 minute winter	S07	1.004	S11	-129.2	-3.249	-3.222	0.3573	
180 minute winter	S08	4.000	SW1	59.0	1.546	0.402	2.0444	
180 minute winter	SW1	4.001	SW2	58.7	0.553	0.015	50.5898	
180 minute winter	SP1	5.000	SW2	71.0	1.636	0.340	0.8108	
180 minute winter	SW2	4.002	SW3	130.5	0.765	0.016	49.2392	
180 minute winter	SP2	6.000	SW3	71.6	1.769	0.253	0.8108	
180 minute winter	SW3	4.003	SW4	202.2	0.902	0.025	57.8145	
180 minute winter	SP3	7.000	SW4	87.7	2.031	0.309	0.8108	
180 minute winter	SW4	4.004	S10	273.2	1.134	0.033	57.3746	
180 minute winter	S09	8.000	S10	30.0	0.272	0.237	13.9586	
180 minute winter	S10	4.005	S11	141.8	1.286	0.517	0.7012	
180 minute winter	S11	Hydro-Brake®	Headwall	11.1				230.8

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Results for 100 year +50% CC 240 minute summer. 480 minute analysis at 4 minute timestep. Mass balance: 99.13%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute summer	S01	124	26.581	0.044	3.1	0.0294	0.0000	OK
240 minute summer	S02	244	26.433	0.533	3.1	0.0096	0.0000	SURCHARGED
240 minute summer	S03	124	26.817	0.117	25.8	0.3626	0.0000	OK
240 minute summer	S04	248	26.432	0.826	162.4	801.9304	0.0000	SURCHARGED
240 minute summer	S05	248	26.432	0.843	138.0	1.4894	0.0000	SURCHARGED
240 minute summer	OU	192	26.491	0.691	15.9	1.4798	0.0000	SURCHARGED
240 minute summer	S06	192	26.491	0.873	20.6	1.5417	0.0000	SURCHARGED
240 minute summer	S07	196	26.492	1.197	138.0	2.1150	0.0000	SURCHARGED
240 minute summer	S08	148	27.276	0.426	67.6	5.3694	0.0000	SURCHARGED
240 minute summer	SW1	148	27.273	0.523	67.1	0.0000	0.0000	OK
240 minute summer	SP1	148	27.275	0.445	78.6	5.2421	0.0000	SURCHARGED
240 minute summer	SW2	148	27.272	0.604	173.2	0.3892	0.0000	OK
240 minute summer	SP2	148	27.275	0.455	78.6	5.3628	0.0000	SURCHARGED
240 minute summer	SW3	148	27.273	0.671	213.8	0.4030	0.0000	OK
240 minute summer	SP3	148	27.277	0.457	78.6	5.3948	0.0000	SURCHARGED
240 minute summer	SW4	148	27.273	0.737	313.3	0.4158	0.0000	OK
240 minute summer	S09	144	27.294	1.424	14.9	1.6107	0.0000	SURCHARGED
240 minute summer	S10	148	27.273	1.913	291.6	398.4645	0.0000	SURCHARGED
240 minute summer	S11	148	27.203	1.962	143.9	4.9930	0.0000	FLOOD RISK
240 minute summer	Headwall	4	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)
240 minute summer	S01	1.000	S02	3.1	0.736	0.174	0.0344	
240 minute summer	S02	1.001	S04	3.0	0.452	0.024	8.0968	
240 minute summer	S03	2.000	S04	25.7	1.314	0.456	0.2183	
240 minute summer	S04	1.002	S05	-137.8	-1.787	-1.093	0.4752	
240 minute summer	S05	1.003	S07	-138.0	-1.255	-1.095	8.1152	
240 minute summer	OU	3.000	S06	20.6	0.580	0.164	3.2951	
240 minute summer	S06	3.001	S07	22.9	0.435	0.213	12.2420	
240 minute summer	S07	1.004	S11	-126.7	-3.187	-3.160	0.3573	
240 minute summer	S08	4.000	SW1	67.1	1.605	0.458	2.0444	
240 minute summer	SW1	4.001	SW2	65.2	0.559	0.016	36.1300	
240 minute summer	SP1	5.000	SW2	77.6	1.659	0.371	0.8108	
240 minute summer	SW2	4.002	SW3	136.6	0.769	0.017	36.3829	
240 minute summer	SP2	6.000	SW3	75.5	1.790	0.266	0.8108	
240 minute summer	SW3	4.003	SW4	232.8	0.909	0.028	43.8566	
240 minute summer	SP3	7.000	SW4	91.4	2.060	0.322	0.8108	
240 minute summer	SW4	4.004	S10	284.3	1.143	0.035	44.4462	
240 minute summer	S09	8.000	S10	32.5	0.294	0.257	13.9586	
240 minute summer	S10	4.005	S11	143.9	1.305	0.525	0.7012	
240 minute summer	S11	Hydro-Brake®	Headwall	11.0				270.0

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Results for 100 year +50% CC 240 minute winter. 480 minute analysis at 4 minute timestep. Mass balance: 99.26%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
240 minute winter	S01	244	26.604	0.067	2.3	0.0445	0.0000	OK
240 minute winter	S02	244	26.604	0.704	3.6	0.0127	0.0000	SURCHARGED
240 minute winter	S03	124	26.798	0.098	19.2	0.3037	0.0000	OK
240 minute winter	S04	244	26.604	0.998	152.1	969.0619	0.0000	SURCHARGED
240 minute winter	S05	244	26.604	1.015	133.0	1.7929	0.0000	SURCHARGED
240 minute winter	OU	228	26.652	0.852	11.8	1.8265	0.0000	FLOOD RISK
240 minute winter	S06	228	26.652	1.034	15.4	1.8275	0.0000	SURCHARGED
240 minute winter	S07	228	26.651	1.356	134.0	2.3967	0.0000	SURCHARGED
240 minute winter	S08	160	27.313	0.463	50.3	5.8303	0.0000	FLOOD RISK
240 minute winter	SW1	160	27.308	0.558	48.2	0.0000	0.0000	OK
240 minute winter	SP1	160	27.311	0.481	58.5	5.6622	0.0000	SURCHARGED
240 minute winter	SW2	160	27.308	0.640	128.9	0.4125	0.0000	OK
240 minute winter	SP2	160	27.312	0.492	58.5	5.7942	0.0000	SURCHARGED
240 minute winter	SW3	160	27.309	0.707	164.6	0.4247	0.0000	OK
240 minute winter	SP3	160	27.311	0.491	58.5	5.8070	0.0000	SURCHARGED
240 minute winter	SW4	160	27.309	0.773	341.0	0.4357	0.0000	OK
240 minute winter	S09	164	27.311	1.441	11.2	1.6294	0.0000	FLOOD RISK
240 minute winter	S10	160	27.308	1.948	319.3	398.5197	0.0000	FLOOD RISK
240 minute winter	S11	160	27.245	2.004	138.5	5.0992	0.0000	FLOOD RISK
240 minute winter	Headwall	4	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)
240 minute winter	S01	1.000	S02	2.3	0.679	0.130	0.1031	
240 minute winter	S02	1.001	S04	2.5	0.470	0.020	8.0968	
240 minute winter	S03	2.000	S04	19.2	1.226	0.340	0.1748	
240 minute winter	S04	1.002	S05	-132.8	-1.748	-1.054	0.4752	
240 minute winter	S05	1.003	S07	-133.0	-1.206	-1.055	8.1152	
240 minute winter	OU	3.000	S06	15.4	0.580	0.122	3.2951	
240 minute winter	S06	3.001	S07	11.4	0.417	0.107	12.2420	
240 minute winter	S07	1.004	S11	-123.6	-3.107	-3.081	0.3573	
240 minute winter	S08	4.000	SW1	48.2	1.444	0.329	2.0444	
240 minute winter	SW1	4.001	SW2	57.6	0.530	0.014	40.5469	
240 minute winter	SP1	5.000	SW2	67.8	1.549	0.325	0.8108	
240 minute winter	SW2	4.002	SW3	105.8	0.736	0.013	40.3523	
240 minute winter	SP2	6.000	SW3	57.7	1.729	0.203	0.8108	
240 minute winter	SW3	4.003	SW4	220.0	0.862	0.027	48.1573	
240 minute winter	SP3	7.000	SW4	78.0	1.924	0.275	0.8108	
240 minute winter	SW4	4.004	S10	305.4	1.079	0.037	48.4007	
240 minute winter	S09	8.000	S10	-11.2	-0.102	-0.089	13.9586	
240 minute winter	S10	4.005	S11	138.5	1.256	0.505	0.7012	
240 minute winter	S11	Hydro-Brake®	Headwall	11.0				263.9

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Results for 100 year +50% CC 360 minute summer. 600 minute analysis at 8 minute timestep. Mass balance: 99.26%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute summer	S01	184	26.576	0.039	2.4	0.0256	0.0000	OK
360 minute summer	S02	368	26.503	0.603	2.6	0.0108	0.0000	SURCHARGED
360 minute summer	S03	184	26.798	0.098	19.3	0.3041	0.0000	OK
360 minute summer	S04	368	26.503	0.897	145.8	870.5765	0.0000	SURCHARGED
360 minute summer	S05	368	26.503	0.914	129.0	1.6144	0.0000	SURCHARGED
360 minute summer	OU	360	26.502	0.702	11.9	1.5050	0.0000	FLOOD RISK
360 minute summer	S06	360	26.502	0.884	10.7	1.5625	0.0000	SURCHARGED
360 minute summer	S07	360	26.502	1.207	129.5	2.1332	0.0000	SURCHARGED
360 minute summer	S08	208	27.156	0.306	50.7	3.8533	0.0000	OK
360 minute summer	SW1	216	27.153	0.403	50.3	0.0000	0.0000	OK
360 minute summer	SP1	216	27.154	0.324	59.0	3.8098	0.0000	OK
360 minute summer	SW2	208	27.153	0.485	111.6	0.3121	0.0000	OK
360 minute summer	SP2	208	27.156	0.336	59.0	3.9658	0.0000	OK
360 minute summer	SW3	216	27.152	0.550	149.4	0.3308	0.0000	OK
360 minute summer	SP3	216	27.156	0.336	59.0	3.9699	0.0000	OK
360 minute summer	SW4	208	27.157	0.621	378.0	0.3501	0.0000	OK
360 minute summer	S09	200	27.153	1.283	12.7	1.4511	0.0000	SURCHARGED
360 minute summer	S10	216	27.154	1.794	332.4	398.2763	0.0000	SURCHARGED
360 minute summer	S11	216	27.095	1.854	135.8	4.7182	0.0000	SURCHARGED
360 minute summer	Headwall	8	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)
360 minute summer	S01	1.000	S02	2.4	0.686	0.134	0.0285	
360 minute summer	S02	1.001	S04	2.3	0.402	0.018	8.0968	
360 minute summer	S03	2.000	S04	19.2	1.226	0.341	0.1750	
360 minute summer	S04	1.002	S05	-127.3	-1.659	-1.010	0.4752	
360 minute summer	S05	1.003	S07	-129.0	-1.170	-1.024	8.1152	
360 minute summer	OU	3.000	S06	10.7	0.545	0.085	3.2951	
360 minute summer	S06	3.001	S07	13.7	0.392	0.127	12.2420	
360 minute summer	S07	1.004	S11	-120.9	-3.039	-3.013	0.3573	
360 minute summer	S08	4.000	SW1	50.3	1.468	0.343	1.9143	
360 minute summer	SW1	4.001	SW2	49.4	0.518	0.012	23.2255	
360 minute summer	SP1	5.000	SW2	58.6	1.571	0.281	0.7773	
360 minute summer	SW2	4.002	SW3	95.6	0.722	0.012	24.6205	
360 minute summer	SP2	6.000	SW3	58.2	1.723	0.205	0.7887	
360 minute summer	SW3	4.003	SW4	242.4	0.844	0.029	30.9202	
360 minute summer	SP3	7.000	SW4	87.6	1.877	0.309	0.7882	
360 minute summer	SW4	4.004	S10	326.5	1.054	0.040	32.1202	
360 minute summer	S09	8.000	S10	-12.7	-0.115	-0.100	13.9586	
360 minute summer	S10	4.005	S11	135.8	1.231	0.495	0.7012	
360 minute summer	S11	Hydro-Brake®	Headwall	11.0				324.4

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Results for 100 year +50% CC 360 minute winter. 600 minute analysis at 8 minute timestep. Mass balance: 99.38%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
360 minute winter	S01	360	26.689	0.152	1.7	0.1006	0.0000	SURCHARGED
360 minute winter	S02	360	26.689	0.789	2.6	0.0142	0.0000	SURCHARGED
360 minute winter	S03	184	26.782	0.082	14.1	0.2543	0.0000	OK
360 minute winter	S04	360	26.689	1.083	136.1	1050.9300	0.0000	SURCHARGED
360 minute winter	S05	360	26.688	1.099	122.5	1.9428	0.0000	SURCHARGED
360 minute winter	OU	352	26.687	0.887	9.6	1.9000	0.0000	FLOOD RISK
360 minute winter	S06	352	26.687	1.069	10.0	1.8885	0.0000	SURCHARGED
360 minute winter	S07	352	26.687	1.392	121.2	2.4604	0.0000	SURCHARGED
360 minute winter	S08	224	27.144	0.294	36.9	3.6997	0.0000	OK
360 minute winter	SW1	224	27.142	0.392	37.0	0.0000	0.0000	OK
360 minute winter	SP1	224	27.143	0.313	42.9	3.6853	0.0000	OK
360 minute winter	SW2	224	27.141	0.473	114.2	0.3049	0.0000	OK
360 minute winter	SP2	224	27.143	0.323	42.9	3.8018	0.0000	OK
360 minute winter	SW3	224	27.143	0.541	179.3	0.3249	0.0000	OK
360 minute winter	SP3	224	27.145	0.325	42.9	3.8454	0.0000	OK
360 minute winter	SW4	224	27.140	0.604	320.3	0.3406	0.0000	OK
360 minute winter	S09	224	27.141	1.271	4.2	1.4375	0.0000	SURCHARGED
360 minute winter	S10	224	27.144	1.784	267.2	398.2600	0.0000	SURCHARGED
360 minute winter	S11	224	27.092	1.851	132.4	4.7117	0.0000	SURCHARGED
360 minute winter	Headwall	8	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)
360 minute winter	S01	1.000	S02	1.7	0.625	0.096	0.1440	
360 minute winter	S02	1.001	S04	2.8	0.414	0.023	8.0968	
360 minute winter	S03	2.000	S04	14.1	1.135	0.250	0.1387	
360 minute winter	S04	1.002	S05	-122.2	-1.237	-0.970	0.4752	
360 minute winter	S05	1.003	S07	-122.5	-1.111	-0.972	8.1152	
360 minute winter	OU	3.000	S06	10.0	0.526	0.080	3.2951	
360 minute winter	S06	3.001	S07	9.8	0.359	0.091	12.2420	
360 minute winter	S07	1.004	S11	-113.3	-2.848	-2.824	0.3573	
360 minute winter	S08	4.000	SW1	37.0	1.319	0.252	1.8804	
360 minute winter	SW1	4.001	SW2	54.0	0.498	0.013	22.1809	
360 minute winter	SP1	5.000	SW2	57.7	1.437	0.277	0.7669	
360 minute winter	SW2	4.002	SW3	95.4	0.702	0.012	23.7280	
360 minute winter	SP2	6.000	SW3	81.5	1.702	0.287	0.7762	
360 minute winter	SW3	4.003	SW4	193.4	0.802	0.024	29.7074	
360 minute winter	SP3	7.000	SW4	77.8	1.756	0.274	0.7788	
360 minute winter	SW4	4.004	S10	262.9	1.003	0.032	31.1353	
360 minute winter	S09	8.000	S10	20.6	0.187	0.163	13.9586	
360 minute winter	S10	4.005	S11	132.4	1.200	0.483	0.7012	
360 minute winter	S11	Hydro-Brake®	Headwall	11.0				331.3

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Results for 100 year +50% CC 480 minute summer. 720 minute analysis at 8 minute timestep. Mass balance: 99.35%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
480 minute summer	S01	248	26.570	0.033	1.8	0.0221	0.0000	OK
480 minute summer	S02	488	26.544	0.644	3.0	0.0116	0.0000	SURCHARGED
480 minute summer	S03	248	26.785	0.085	15.1	0.2644	0.0000	OK
480 minute summer	S04	488	26.544	0.938	138.6	910.2510	0.0000	SURCHARGED
480 minute summer	S05	488	26.544	0.955	123.7	1.6867	0.0000	SURCHARGED
480 minute summer	OU	480	26.543	0.743	9.3	1.5916	0.0000	FLOOD RISK
480 minute summer	S06	480	26.543	0.925	12.0	1.6339	0.0000	SURCHARGED
480 minute summer	S07	480	26.543	1.248	122.2	2.2046	0.0000	SURCHARGED
480 minute summer	S08	272	27.052	0.202	39.5	2.5464	0.0000	OK
480 minute summer	SW1	272	27.045	0.295	39.2	0.0000	0.0000	OK
480 minute summer	SP1	272	27.052	0.222	45.9	2.6085	0.0000	OK
480 minute summer	SW2	272	27.049	0.381	95.9	0.2457	0.0000	OK
480 minute summer	SP2	272	27.061	0.241	61.8	2.8406	0.0000	OK
480 minute summer	SW3	272	27.052	0.450	201.0	0.2703	0.0000	OK
480 minute summer	SP3	272	27.068	0.248	45.9	2.9318	0.0000	OK
480 minute summer	SW4	264	27.074	0.538	321.7	0.3035	0.0000	OK
480 minute summer	S09	264	27.088	1.218	13.1	1.3770	0.0000	SURCHARGED
480 minute summer	S10	272	27.081	1.721	205.4	398.1617	0.0000	SURCHARGED
480 minute summer	S11	272	27.023	1.782	132.6	4.5342	0.0000	SURCHARGED
480 minute summer	Headwall	8	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)
480 minute summer	S01	1.000	S02	1.8	0.635	0.101	0.0454	
480 minute summer	S02	1.001	S04	1.8	0.404	0.014	8.0968	
480 minute summer	S03	2.000	S04	15.1	1.155	0.268	0.1461	
480 minute summer	S04	1.002	S05	-123.8	-1.255	-0.982	0.4752	
480 minute summer	S05	1.003	S07	-123.7	-1.121	-0.981	8.1152	
480 minute summer	OU	3.000	S06	12.0	0.504	0.095	3.2951	
480 minute summer	S06	3.001	S07	8.8	0.373	0.082	12.2420	
480 minute summer	S07	1.004	S11	-113.4	-2.851	-2.826	0.3573	
480 minute summer	S08	4.000	SW1	39.2	1.358	0.267	1.4237	
480 minute summer	SW1	4.001	SW2	46.3	0.508	0.012	14.2639	
480 minute summer	SP1	5.000	SW2	45.6	1.470	0.218	0.5961	
480 minute summer	SW2	4.002	SW3	120.9	0.709	0.015	16.4699	
480 minute summer	SP2	6.000	SW3	80.8	1.708	0.285	0.6802	
480 minute summer	SW3	4.003	SW4	206.5	0.827	0.025	21.9356	
480 minute summer	SP3	7.000	SW4	70.3	1.826	0.248	0.6778	
480 minute summer	SW4	4.004	S10	199.9	1.033	0.024	23.5676	
480 minute summer	S09	8.000	S10	-13.1	-0.119	-0.104	13.9586	
480 minute summer	S10	4.005	S11	132.6	1.203	0.484	0.7012	
480 minute summer	S11	Hydro-Brake®	Headwall	11.0				386.1

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