

**Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.83%**

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	IR09	11	101.563	1.053	45.8	1.7563	0.0000	SURCHARGED
15 minute summer	IR10	11	101.324	1.215	536.5	3.4164	0.0000	SURCHARGED
15 minute summer	IR11	11	99.690	0.836	1699.8	3.0211	0.0000	OK
15 minute summer	IR12	11	99.248	0.409	1564.4	0.3245	0.0000	OK
1440 minute winter	121	1380	98.875	0.811	4.7	2.4867	0.0000	SURCHARGED
1440 minute winter	122	1380	98.875	1.907	107.1	9.8662	0.0000	SURCHARGED
1440 minute winter	123	1380	98.875	1.975	103.1	7.3353	0.0000	SURCHARGED
1440 minute winter	124	1380	98.875	2.050	99.8	0.0000	0.0000	OK
15 minute summer	125	11	107.700	0.350	128.6	1.1199	0.0000	OK
15 minute summer	126	12	107.243	1.318	80.1	3.0146	0.0000	FLOOD RISK
15 minute summer	127	12	107.137	1.316	71.4	1.4880	0.0000	SURCHARGED
15 minute summer	128	12	107.020	1.382	281.7	3.0328	0.0000	SURCHARGED
15 minute summer	129	12	105.908	0.464	51.1	0.9020	0.0000	SURCHARGED
15 minute summer	130	12	105.728	0.796	428.5	2.4926	0.0000	SURCHARGED
15 minute summer	131	11	105.205	0.654	80.1	1.5326	0.0000	SURCHARGED
15 minute summer	132	11	104.515	0.318	73.0	0.3593	0.0000	SURCHARGED
15 minute summer	133	11	104.308	0.471	196.8	1.3413	0.0000	SURCHARGED
15 minute summer	134	10	102.627	0.437	189.3	0.4939	0.0000	SURCHARGED
15 minute summer	135	10	102.132	0.517	261.6	1.4098	0.0000	OK
15 minute summer	136	10	101.983	0.465	783.6	1.3801	0.0000	OK
15 minute winter	137	11	100.733	0.405	764.7	0.7152	0.0000	OK
15 minute winter	IR13	11	100.275	0.463	765.0	0.0000	0.0000	OK
15 minute summer	138	10	105.419	0.305	114.5	0.9385	0.0000	OK
15 minute summer	139	10	105.318	0.261	313.3	1.0225	0.0000	OK
15 minute summer	140	10	102.193	0.244	307.6	0.3498	0.0000	OK
15 minute summer	IR14	11	101.504	0.355	307.4	0.0000	0.0000	OK
15 minute summer	IR15	11	101.411	0.524	374.5	1.2649	0.0000	SURCHARGED
15 minute summer	IR16	11	100.811	0.767	405.1	1.4533	0.0000	SURCHARGED

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	IR09	S14.000	IR10	42.9	1.104	1.075	1.1829	
15 minute summer	IR10	S14.001	IR11	535.0	3.377	1.339	6.7449	
15 minute winter	IR11	S14.002	IR12	1850.4	3.572	1.454	4.1680	
15 minute summer	IR12	1.011	122	1792.7	3.499	0.338	27.3233	
15 minute summer	121	8.000	122	94.5	1.368	1.333	1.9261	
15 minute summer	122	1.012	123	1998.4	1.987	1.288	71.8354	
15 minute summer	123	1.013	124	2214.1	3.643	1.068	58.8421	
15 minute summer	125	9.000	128	120.2	1.269	1.087	7.6643	
15 minute summer	126	10.000	127	71.4	1.061	1.009	1.7916	
15 minute summer	127	10.001	128	77.8	1.105	1.098	1.8520	
15 minute summer	128	9.001	130	269.9	2.447	1.261	6.8087	
15 minute summer	129	11.000	130	50.4	1.629	0.804	0.9908	
30 minute summer	130	9.002	136	406.2	3.953	1.027	7.2165	
15 minute summer	131	12.000	132	73.0	1.898	1.298	1.2046	
15 minute summer	132	12.001	133	74.4	2.478	0.699	0.2735	
15 minute summer	133	12.002	134	189.3	2.766	0.967	3.7655	
15 minute summer	134	12.003	135	186.7	2.656	0.934	0.7652	
15 minute summer	135	12.004	136	254.9	1.221	1.173	9.9533	
15 minute winter	136	9.003	137	764.7	4.157	0.887	6.4674	
15 minute winter	137	9.004	IR13	765.0	3.507	0.630	3.6206	
15 minute winter	IR13	S13.000	IR17	764.7	3.609	0.733	2.2779	
15 minute summer	138	13.000	139	113.4	1.272	0.894	1.2508	
15 minute summer	139	13.001	140	307.6	3.903	0.783	6.2620	
15 minute summer	140	13.002	IR14	307.4	3.025	0.540	2.8630	
15 minute summer	IR14	S12.000	IR15	302.3	2.629	0.597	1.5763	
15 minute summer	IR15	S12.001	IR16	368.0	2.340	0.732	5.5549	
15 minute summer	IR16	S12.002	IR17	405.9	2.562	1.248	4.9745	

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15 minute summer	IR17	11	99.970	0.549	1210.6	1.7137	0.0000	OK
1440 minute winter	IR18	1410	98.873	1.166	81.6	4.0599	0.0000	SURCHARGED
15 minute summer	IR19	11	99.869	1.078	176.2	4.0933	0.0000	SURCHARGED
1440 minute winter	142	1380	98.873	2.023	80.9	0.0000	0.0000	OK
1440 minute winter	143	1410	98.865	2.027	76.1	4585.2960	0.0000	SURCHARGED
1440 minute winter	144	1410	98.859	2.057	26.1	7.1260	0.0000	SURCHARGED
60 minute summer	145	36	96.878	0.123	26.0	0.0000	0.0000	OK
15 minute summer	*201	12	104.770	0.345	142.7	1.2029	0.0000	OK
15 minute summer	*202	11	104.505	0.869	265.3	2.0588	0.0000	SURCHARGED
15 minute summer	*203	11	104.330	0.850	224.3	1.5021	0.0000	SURCHARGED
15 minute summer	*204	11	104.284	0.824	320.8	1.8731	0.0000	SURCHARGED
15 minute summer	*205	12	103.463	0.303	461.4	0.9219	0.0000	OK
15 minute summer	*206	12	101.484	1.386	443.5	1.9832	0.0000	SURCHARGED
15 minute summer	*IR31	12	101.406	1.598	457.0	0.0000	0.0000	FLOOD RISK
15 minute summer	*IR32	12	102.097	0.761	352.4	3.5312	0.0000	SURCHARGED
15 minute summer	*IR33	12	101.983	1.099	355.5	1.6448	0.0000	SURCHARGED
15 minute summer	*IR34	12	101.572	1.311	375.3	2.3860	0.0000	SURCHARGED
15 minute summer	*IR35	12	101.380	1.500	136.6	3.5023	0.0000	FLOOD RISK
15 minute summer	*IR36	12	101.464	1.919	508.7	4.2491	0.0000	FLOOD RISK
15 minute summer	*IR37	12	101.332	1.971	901.5	3.9345	0.0000	FLOOD RISK
15 minute summer	*IR38	11	100.720	1.500	136.6	3.5760	0.0000	FLOOD RISK
15 minute summer	*IR39	12	100.841	2.106	1041.8	6.3278	0.0000	FLOOD RISK
15 minute summer	*207	12	106.588	1.288	73.1	2.8833	0.0000	FLOOD RISK
15 minute summer	*208	12	106.517	1.397	60.0	1.5804	0.0000	SURCHARGED
15 minute summer	*209	12	106.404	1.582	66.7	1.7895	0.0000	SURCHARGED
15 minute summer	*210	12	106.332	1.663	142.6	2.7314	0.0000	SURCHARGED

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	IR17	S12.003	IR18	1207.6	3.928	0.680	8.9266	
15 minute summer	IR18	9.007	142	1497.1	7.165	0.644	7.6397	
15 minute summer	IR19	S12.004	IR18	167.3	2.377	1.428	3.9780	

15 minute summer	143	15.000	144	30.8	0.518	0.436	0.6185	
60 minute summer	144	15.001	145	26.0	0.898	0.117	0.3280	413.9

15 minute summer	*201	*1.000	*202	144.6	1.598	0.792	8.2961	
15 minute winter	*202	*1.001	*203	224.7	1.043	1.035	16.5701	
15 minute summer	*203	*1.002	*204	220.6	1.021	0.996	2.0417	
15 minute summer	*204	*1.003	*205	313.2	2.114	1.476	9.4094	
15 minute summer	*205	*1.004	*206	443.5	3.906	0.710	10.6709	
15 minute summer	*206	*1.005	*IR31	457.0	3.376	0.416	3.2303	
15 minute summer	*IR31	*S8.000	*IR37	464.4	3.084	0.352	2.8573	
15 minute summer	*IR32	*S6.000	*IR33	350.2	2.785	0.501	1.5428	
15 minute summer	*IR33	*S6.001	*IR34	344.4	2.337	1.000	6.6068	
15 minute summer	*IR34	*S6.002	*IR36	343.4	1.765	0.369	11.0575	
15 minute summer	*IR35	*S7.000	*IR36	129.7	1.842	1.824	0.5967	
15 minute summer	*IR36	*S6.003	*IR37	466.1	1.900	0.830	4.5953	
15 minute summer	*IR37	*S6.004	*IR39	900.2	2.522	0.775	12.8509	
15 minute summer	*IR38	*S9.000	*IR39	124.3	1.765	1.758	0.6031	
15 minute summer	*IR39	*S6.005	*IR46	1040.4	2.364	1.032	9.7205	
15 minute summer	*207	*5.000	*208	60.0	1.440	0.540	1.2656	
15 minute summer	*208	*5.001	*209	66.7	1.321	0.601	2.0973	
15 minute summer	*209	*5.002	*210	76.7	1.090	0.690	1.0873	
15 minute summer	*210	*5.003	*211	139.8	1.986	1.975	4.2483	

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15 minute summer	*211	12	105.228	0.882	237.7	2.1645	0.0000	SURCHARGED
15 minute summer	*212	12	104.766	0.725	311.8	1.8612	0.0000	SURCHARGED
15 minute summer	*213	12	104.700	0.694	307.6	1.2259	0.0000	SURCHARGED
15 minute summer	*214	11	107.025	0.450	60.8	0.9446	0.0000	SURCHARGED
15 minute summer	*215	11	106.578	0.270	105.3	0.4348	0.0000	OK
15 minute summer	*216	10	106.266	0.176	128.4	0.2631	0.0000	OK
15 minute summer	*217	11	105.332	0.180	151.9	0.2681	0.0000	OK
15 minute summer	*218	12	104.646	0.661	497.1	1.5159	0.0000	SURCHARGED
15 minute summer	*219	11	104.577	0.123	45.0	0.1968	0.0000	OK
15 minute summer	*220	11	104.222	0.595	109.0	1.2593	0.0000	SURCHARGED
15 minute summer	*221	11	103.835	0.425	157.6	0.8877	0.0000	SURCHARGED
15 minute summer	*222	12	103.713	0.486	644.9	0.8588	0.0000	OK
15 minute summer	*223	12	103.313	0.407	685.0	0.9506	0.0000	OK
15 minute summer	*224	12	102.490	1.092	669.3	1.9303	0.0000	SURCHARGED
15 minute summer	*225	12	106.002	1.059	97.8	2.8329	0.0000	SURCHARGED
15 minute summer	*226	12	105.430	0.861	83.5	0.9736	0.0000	SURCHARGED
15 minute summer	*227	12	105.085	1.213	202.0	3.1881	0.0000	SURCHARGED
15 minute summer	*228	12	103.363	0.873	196.0	0.9874	0.0000	SURCHARGED
15 minute summer	*229	12	102.989	0.848	348.7	3.2883	0.0000	SURCHARGED
15 minute summer	*230	12	102.603	0.765	473.1	2.7424	0.0000	SURCHARGED
15 minute summer	*231	12	102.065	2.411	1155.9	6.5168	0.0000	SURCHARGED
15 minute summer	*IR40	12	100.571	1.812	1143.6	0.0000	0.0000	FLOOD RISK
15 minute summer	*IR41	12	98.352	0.619	2557.6	2.3128	0.0000	OK
15 minute summer	*IR42	12	99.077	1.222	2487.2	4.7100	0.0000	SURCHARGED
15 minute summer	*IR43	12	99.416	1.517	2418.3	3.6703	0.0000	SURCHARGED
15 minute summer	*IR44	12	99.828	1.851	2330.0	7.3956	0.0000	FLOOD RISK
15 minute summer	*IR45	12	100.175	2.136	2262.7	7.3682	0.0000	FLOOD RISK
15 minute summer	*IR46	12	100.544	1.956	1084.0	6.1800	0.0000	FLOOD RISK
Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	*211	*5.004	*212	230.4	2.089	2.086	2.8618	
15 minute summer	*212	*5.005	*213	307.6	1.160	1.077	5.6488	
15 minute summer	*213	*5.006	*218	306.4	1.440	1.064	3.3356	
15 minute summer	*214	*6.000	*215	58.7	1.479	1.476	1.2525	
15 minute summer	*215	*6.001	*216	105.7	1.893	1.031	1.4101	
15 minute summer	*216	*6.002	*217	129.2	3.064	0.577	1.0141	
15 minute summer	*217	*6.003	*218	150.6	3.264	0.550	0.9679	
15 minute summer	*218	*5.007	*222	488.7	3.180	0.991	4.6396	
15 minute summer	*219	*7.000	*220	43.8	1.464	0.527	0.9151	
15 minute summer	*220	*7.001	*221	106.3	1.510	1.503	2.4442	
15 minute summer	*221	*7.002	*222	157.0	1.448	1.409	1.1286	
15 minute summer	*222	*5.008	*223	643.8	3.558	0.754	2.0180	
15 minute summer	*223	*5.009	*224	669.3	5.105	0.616	5.9894	
15 minute summer	*224	*5.010	*231	666.3	4.374	0.329	2.0813	
30 minute summer	*225	*8.000	*226	83.9	2.255	1.090	0.6837	
15 minute summer	*226	*8.001	*227	86.9	2.852	0.612	0.3350	
15 minute summer	*227	*8.002	*228	196.0	2.784	1.108	3.8639	
15 minute summer	*228	*8.003	*229	195.5	2.777	1.366	0.5283	
15 minute summer	*229	*8.004	*230	339.2	2.065	1.087	15.6924	
15 minute summer	*230	*8.005	*231	443.3	2.540	0.536	15.7056	
15 minute summer	*231	*5.011	*IR40	1143.6	4.061	1.156	12.2470	
15 minute summer	*IR40	*S11.000	*IR45	1143.7	4.061	1.011	2.8365	
15 minute summer	*IR41	*1.014	*IR48	2559.5	5.210	0.516	24.5480	
15 minute summer	*IR42	*S10.000	*IR41	2484.2	3.227	1.870	42.6225	
15 minute summer	*IR43	*S10.001	*IR42	2417.9	2.803	1.824	19.0436	
15 minute summer	*IR44	*S10.002	*IR43	2329.7	2.701	1.751	33.5212	
15 minute summer	*IR45	*S10.003	*IR44	2262.8	2.623	1.704	26.8780	
15 minute summer	*IR46	*S10.004	*IR45	1083.1	2.461	0.933	12.4171	

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1440 minute winter	*IR52	1380	93.864	1.889	169.2	6.5429	0.0000	SURCHARGED
15 minute summer	*232	10	98.861	0.180	90.7	0.4541	0.0000	OK
15 minute summer	*233	10	97.238	0.310	284.8	1.2716	0.0000	OK
15 minute summer	*234	10	96.381	0.345	443.9	1.2519	0.0000	OK
15 minute summer	*235	11	95.513	0.355	439.3	0.5075	0.0000	OK
15 minute summer	*IR48	12	96.921	0.553	2689.1	2.4975	0.0000	OK
15 minute summer	*IR49	12	95.756	0.669	2703.0	2.0827	0.0000	OK
15 minute summer	*IR50	12	95.029	0.756	2795.4	3.1187	0.0000	OK
15 minute summer	*IR51	12	94.165	2.177	2800.4	7.0869	0.0000	FLOOD RISK
15 minute summer	*240b	11	93.977	0.403	57.3	1.0902	0.0000	SURCHARGED
15 minute summer	*236	11	96.700	0.421	135.7	1.3349	0.0000	SURCHARGED
15 minute summer	*237	11	96.482	0.657	106.6	1.7075	0.0000	SURCHARGED
15 minute summer	*238	11	96.149	0.544	310.2	1.3163	0.0000	SURCHARGED
15 minute summer	*239	11	95.274	0.662	383.2	1.8193	0.0000	SURCHARGED
1440 minute winter	*240	1380	93.864	1.032	25.8	2.5775	0.0000	SURCHARGED
1440 minute winter	*241	1380	93.864	1.350	47.7	3.4352	0.0000	SURCHARGED
1440 minute winter	*242	1380	93.864	2.264	208.3	0.0000	0.0000	OK
1440 minute winter	*243	1410	93.850	2.250	144.9	5593.6810	0.0000	SURCHARGED
15 minute summer	*245	207	91.314	0.143	27.3	0.1612	0.0000	OK
15 minute summer	*246	206	91.276	0.126	27.3	0.0000	0.0000	OK
15 minute summer	*247	11	96.636	0.561	89.8	1.4378	0.0000	SURCHARGED
15 minute summer	*248	11	95.352	0.128	82.1	0.1443	0.0000	OK
1440 minute winter	*249	1410	93.848	2.248	62.0	0.0000	0.0000	OK
1440 minute winter	*244	1410	93.842	2.282	27.4	7.9061	0.0000	SURCHARGED
1440 minute winter	*IR53	1380	93.864	2.005	167.1	6.9447	0.0000	SURCHARGED
1440 minute winter	*IR54	1380	93.864	2.138	209.0	7.4053	0.0000	SURCHARGED

15 minute summer	**IR51	10	101.180	0.056	12.3	0.0741	0.0000	OK
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Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	*IR52	*1.019	*IR53	2798.3	2.484	1.487	65.4674	
15 minute summer	*232	*12.000	*233	89.2	2.727	0.911	1.4238	
15 minute summer	*233	*12.001	*234	281.8	2.290	0.775	8.7261	
15 minute summer	*234	*12.002	*235	439.3	3.339	0.787	3.9024	
15 minute summer	*235	*12.003	*241	442.8	3.557	0.827	4.4533	
15 minute summer	*IR48	*1.015	*IR49	2692.5	5.202	0.341	9.5808	
15 minute summer	*IR49	*1.016	*IR50	2703.3	5.054	0.415	10.6820	
15 minute summer	*IR50	*1.017	*IR51	2778.3	3.369	0.509	52.2628	
15 minute summer	*IR51	*1.018	*IR52	2788.8	3.233	2.067	5.4381	
15 minute summer	*240b	*11.000	*240	52.9	1.340	1.309	1.8182	
15 minute summer	*236	*9.000	*238	133.6	2.112	0.969	2.7478	
15 minute summer	*237	*10.000	*238	103.5	1.477	1.461	2.4914	
15 minute summer	*238	*9.001	*239	290.7	2.882	0.853	3.7991	
15 minute summer	*239	*9.002	*240	367.3	3.562	1.002	4.8968	
15 minute summer	*240	*9.003	*241	479.6	1.575	1.334	19.2497	
15 minute summer	*241	*9.004	*IR54	920.3	1.925	1.419	4.4208	
30 minute summer	*243	*13.000	*244	32.5	0.553	0.455	0.6751	
15 minute summer	*245	*13.002	*246	27.3	0.892	0.142	0.1539	395.9
15 minute summer	*247	*14.000	*248	82.1	2.396	1.061	1.2146	
15 minute summer	*248	*14.001	*249	81.6	3.579	0.594	0.7778	
15 minute summer	*244	*13.001	*245	27.3	0.989	0.241	2.4886	
15 minute summer	*IR53	*1.020	*IR54	2806.8	2.491	1.488	74.7864	
15 minute summer	*IR54	*1.021	*242	3665.7	3.279	1.954	14.1744	
15 minute summer	**IR51	**S4.000	**IR53	12.2	0.833	0.137	0.6304	

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7200 minute summer	**IR52	5220	101.450	0.690	2.4	168.4383	0.0000	SURCHARGED
15 minute summer	**IR53	11	100.546	0.214	37.9	0.3289	0.0000	OK
15 minute summer	**IR54	11	100.563	0.333	31.7	0.5881	0.0000	SURCHARGED
15 minute summer	**IR55	11	100.501	0.362	88.8	0.5546	0.0000	SURCHARGED
2160 minute winter	**301	2040	99.971	0.371	3.6	0.0000	0.0000	OK
2160 minute winter	**302	2040	99.968	0.368	6.0	111.0946	0.0000	SURCHARGED
2160 minute winter	**303	2040	99.968	1.499	6.6	1.6956	0.0000	SURCHARGED
2160 minute winter	**304	2040	98.322	0.022	0.9	0.0000	0.0000	OK
15 minute summer	***S278 01	10	122.935	0.180	76.6	0.3894	0.0000	OK
15 minute summer	***S279 02	10	122.410	0.026	2.6	0.0309	0.0000	OK
15 minute summer	***S278 03	1	122.578	0.000	0.0	0.0000	0.0000	OK
15 minute summer	***S278 04	12	122.156	0.453	78.6	0.5118	0.0000	SURCHARGED
15 minute summer	***S278 05	12	122.082	0.464	75.5	0.5244	0.0000	SURCHARGED
15 minute summer	***IR61	12	121.602	1.107	107.3	1.7883	0.0000	SURCHARGED
15 minute summer	***IR62	12	120.117	0.876	102.9	1.1881	0.0000	SURCHARGED
15 minute summer	***IR63	12	118.955	1.016	122.2	1.5984	0.0000	SURCHARGED
15 minute summer	***IR64	12	117.538	0.724	127.1	0.9778	0.0000	SURCHARGED
15 minute summer	***IR65	12	116.150	0.197	127.1	0.2223	0.0000	OK
15 minute summer	***IR66	13	115.478	0.182	139.9	0.2465	0.0000	OK
15 minute summer	***IR67	13	114.879	0.409	8.3	0.4625	0.0000	SURCHARGED
15 minute summer	***IR68	13	114.863	0.533	155.5	0.6995	0.0000	SURCHARGED
15 minute summer	***IR69	11	113.440	0.774	204.2	1.5499	0.0000	SURCHARGED
15 minute summer	***IR70	12	112.502	0.429	209.6	0.5978	0.0000	SURCHARGED
15 minute summer	***IR71	11	111.431	0.230	255.0	0.5066	0.0000	OK
15 minute summer	***IR72	11	109.978	0.337	544.0	1.8954	0.0000	OK
15 minute summer	***IR73	11	106.761	0.345	626.9	1.0420	0.0000	OK
15 minute summer	***IR74	11	105.572	0.405	677.3	0.9749	0.0000	OK
Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
7200 minute summer	**IR52	**S5.000	**IR53	0.4	0.339	0.009	0.0114	
15 minute summer	**IR53	**S4.001	**IR55	37.2	1.133	0.396	0.2351	
15 minute summer	**IR54	**S3.000	**IR55	30.0	0.830	0.710	0.5446	
15 minute summer	**IR55	**S3.001	**301	88.4	2.222	0.710	0.6752	
15 minute winter	**302	**4.000	**303	13.7	1.214	0.087	0.1521	
2160 minute winter	**303	**1.005	**304	0.9	0.367	0.013	0.0148	112.4
15 minute summer	***S278 01	***S278_1.000	***S278 04	76.0	2.301	0.907	1.3221	
15 minute summer	***S279 02	***S278_2.000	***S278 04	2.6	0.546	0.029	0.4416	
15 minute summer	***S278 03	***S278_3.000	***S278 04	0.0	0.000	0.000	0.2953	
15 minute summer	***S278 04	***S278_1.001	***S278 05	75.5	1.529	1.064	1.4539	
15 minute summer	***S278 05	***S278_1.002	***IR61	70.3	1.828	0.743	1.3592	
15 minute summer	***IR61	***S1.000	***IR62	88.8	2.301	1.073	1.9802	
15 minute summer	***IR62	***S1.001	***IR63	95.4	2.539	0.870	1.1762	
15 minute summer	***IR63	***S1.002	***IR64	116.0	2.917	1.004	0.9138	
15 minute summer	***IR64	***S1.003	***IR65	127.1	3.197	1.138	0.6834	
15 minute summer	***IR65	***S1.004	***IR66	127.5	2.845	0.657	1.0111	
15 minute summer	***IR66	***S1.005	***IR68	138.7	2.774	0.568	1.1595	
15 minute summer	***IR67	***4.000	***IR68	8.0	0.498	0.189	0.3875	
30 minute summer	***IR68	***S1.006	***IR69	159.1	2.304	0.957	5.2688	
15 minute summer	***IR69	***S1.007	***IR70	192.8	2.738	1.102	1.6951	
15 minute summer	***IR70	***S1.008	***IR71	205.6	3.263	0.936	1.3116	
15 minute summer	***IR71	***S1.009	***IR72	252.9	3.583	0.634	2.9777	
15 minute summer	***IR72	***S1.010	***IR73	538.6	4.392	0.856	10.2617	
15 minute summer	***IR73	***S1.011	***IR74	629.4	3.860	0.663	5.3827	
15 minute summer	***IR74	***S1.012	***IR75	662.3	3.652	0.688	4.4964	

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.83%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	***IR75	11	104.890	0.617	717.0	1.5022	0.0000	SURCHARGED
15 minute summer	***IR76	12	104.037	0.610	748.7	1.3847	0.0000	SURCHARGED
15 minute summer	***IR77	12	103.301	0.574	786.1	1.3737	0.0000	SURCHARGED
15 minute summer	***401	11	111.024	0.631	105.7	1.3573	0.0000	SURCHARGED
15 minute summer	***402	12	108.775	1.625	89.8	3.2997	0.0000	SURCHARGED
15 minute summer	***403	12	108.589	1.664	171.9	2.3805	0.0000	SURCHARGED
15 minute summer	***404	12	108.349	1.502	184.5	2.4029	0.0000	SURCHARGED
15 minute summer	***405	12	108.067	1.294	233.7	2.6558	0.0000	SURCHARGED
15 minute summer	***406	11	109.444	0.636	111.0	1.6516	0.0000	SURCHARGED
15 minute summer	***407	12	107.929	0.436	103.9	0.4928	0.0000	SURCHARGED
15 minute summer	***408	12	107.802	1.062	349.2	1.8094	0.0000	SURCHARGED
15 minute summer	***409	12	107.240	1.443	460.6	3.7839	0.0000	SURCHARGED
15 minute summer	***410	12	105.866	0.847	458.5	1.4958	0.0000	SURCHARGED
15 minute summer	***411	11	107.247	1.746	114.5	3.9068	0.0000	SURCHARGED
15 minute summer	***412	12	105.481	0.948	559.7	1.3562	0.0000	SURCHARGED
15 minute summer	***413	10	104.654	0.166	73.1	0.2891	0.0000	OK
15 minute summer	***414	10	104.953	0.097	60.0	0.1818	0.0000	OK
15 minute summer	***415	12	103.562	1.842	223.3	3.9382	0.0000	SURCHARGED
15 minute summer	***416	12	103.087	1.610	210.1	2.3033	0.0000	FLOOD RISK
15 minute summer	***417	12	103.028	1.860	307.7	5.4493	0.0000	SURCHARGED
15 minute summer	***418	12	102.933	2.643	815.8	4.6704	0.0000	SURCHARGED
15 minute summer	***419	12	102.657	2.619	886.7	5.5971	0.0000	SURCHARGED
15 minute summer	***IR78	12	101.531	2.678	882.9	4.7316	0.0000	SURCHARGED
15 minute summer	***IR79	12	101.115	2.641	1670.1	6.8712	0.0000	SURCHARGED
30 minute summer	***IR80	20	100.491	2.050	1687.2	6.3048	0.0000	SURCHARGED
2160 minute winter	***IR81	2040	100.322	2.470	79.0	6.2855	0.0000	SURCHARGED
2160 minute winter	***420	2040	100.322	2.522	86.4	0.0000	0.0000	OK
15 minute summer	***421	11	105.005	1.401	141.0	4.7313	0.0000	FLOOD RISK

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	***IR75	***S1.013	***IR76	710.0	3.561	0.838	6.0100	
15 minute summer	***IR76	***S1.014	***IR77	738.5	3.539	0.797	4.1630	
15 minute summer	***IR77	***S1.015	***IR79	779.6	4.296	0.851	4.0380	
15 minute summer	***401	***5.000	***403	98.2	2.652	1.076	1.9563	
15 minute summer	***402	***6.000	***403	78.2	1.111	1.103	2.5728	
15 minute summer	***403	***5.001	***404	167.8	1.522	1.516	2.7778	
15 minute summer	***404	***5.002	***405	186.0	1.687	1.676	2.6242	
15 minute summer	***405	***5.003	***408	234.2	2.187	2.090	1.1824	
15 minute summer	***406	***7.000	***407	103.9	2.786	1.088	1.4731	
15 minute summer	***407	***7.001	***408	105.4	3.079	0.361	0.6988	
15 minute summer	***408	***5.004	***409	358.2	3.718	0.595	1.0635	
15 minute summer	***409	***5.005	***410	458.5	2.894	1.212	9.0240	
15 minute summer	***410	***5.006	***412	459.3	2.899	0.584	1.3103	
15 minute summer	***411	***8.000	***412	102.4	2.575	1.437	1.5772	
15 minute summer	***412	***5.007	***418	560.3	3.536	1.233	3.1096	
15 minute summer	***413	***9.000	***415	71.9	2.365	0.841	1.5165	
15 minute summer	***414	***10.000	***415	59.7	2.512	0.391	0.9851	
15 minute summer	***415	***9.001	***416	210.1	1.908	1.898	5.9865	
15 minute summer	***416	***9.002	***417	194.8	2.204	0.465	1.5077	
30 minute summer	***417	***9.003	***418	292.2	1.372	0.328	14.8433	
15 minute summer	***418	***5.008	***419	812.6	2.885	0.792	1.2983	
15 minute summer	***419	***5.009	***IR78	882.9	3.135	0.861	15.1089	
15 minute summer	***IR78	***S2.000	***IR79	880.1	3.125	0.856	2.9044	
15 minute summer	***IR79	***S1.016	***IR80	1665.5	3.785	3.013	7.1837	
15 minute summer	***IR80	***S1.017	***IR81	1743.8	3.963	3.171	21.1086	
15 minute summer	***IR81	***S1.018	***420	1733.5	4.110	3.153	11.3776	
15 minute summer	***421	***11.000	***422	127.4	3.205	1.308	0.6510	

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.83%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	***422	11	103.709	0.675	127.4	0.7639	0.0000	SURCHARGED
15 minute summer	***423	12	102.800	0.156	126.3	0.1766	0.0000	OK
15 minute summer	***424	12	100.950	0.250	126.5	0.2828	0.0000	OK
15 minute summer	***425	12	100.728	0.478	126.1	0.5407	0.0000	SURCHARGED
15 minute summer	***426	11	100.377	0.335	165.2	0.6439	0.0000	OK
2160 minute winter	***IR82	2040	100.314	0.379	8.5	0.7447	0.0000	OK
15 minute summer	***IR83	10	100.743	0.171	73.1	0.3205	0.0000	OK
2160 minute winter	***IR84	2040	100.314	0.128	1.3	0.2163	0.0000	OK
2160 minute winter	***IR85	2040	100.314	0.727	12.4	1.0401	0.0000	SURCHARGED
2160 minute winter	***IR86	2040	100.314	2.514	25.7	0.0000	0.0000	OK
2160 minute winter	***427	2040	100.310	2.510	52.1	3153.4460	0.0000	SURCHARGED
2160 minute winter	***428	2040	100.308	2.545	14.5	8.8158	0.0000	SURCHARGED
2160 minute winter	***429	2040	97.787	0.087	14.5	0.0000	0.0000	OK

Link Event (Outflow)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	***422	***11.001	***423	126.3	3.177	1.258	0.3384	
15 minute summer	***423	***11.002	***424	126.5	2.811	0.544	2.2317	
15 minute summer	***424	***11.003	***425	126.1	1.808	0.633	0.9392	
15 minute summer	***425	***11.004	***426	125.9	1.790	1.772	0.9627	
15 minute summer	***426	***11.005	***IR82	164.4	1.627	1.031	4.4901	
15 minute summer	***IR82	***11.006	***IR85	210.5	2.543	0.365	0.9412	
15 minute summer	***IR83	***12.000	***IR85	72.3	2.334	0.841	0.8669	
15 minute summer	***IR84	***13.000	***IR85	35.1	2.094	0.366	0.1861	
15 minute summer	***IR85	***11.007	***IR86	314.9	3.718	0.511	1.1424	
15 minute winter	***427	***45.000	***428	24.9	0.758	0.341	0.5986	
2160 minute winter	***428	***45.001	***429	14.5	0.838	0.188	0.2250	1744.0