

Design Settings

Rainfall Methodology	FEH-22	Minimum Velocity (m/s)	1.00
Return Period (years)	30	Connection Type	Level Soffits
Additional Flow (%)	0	Minimum Backdrop Height (m)	5.000
CV	1.000	Preferred Cover Depth (m)	1.200
Time of Entry (mins)	5.00	Include Intermediate Ground	✓
Maximum Time of Concentration (mins)	30.00	Enforce best practice design rules	✓
Maximum Rainfall (mm/hr)	999.0		

Nodes

Name	Area (ha)	T of E (mins)	Cover Level (m)	Diameter (mm)	Easting (m)	Northing (m)	Depth (m)
1	0.111	5.00	48.889	1200	505840.220	119377.458	1.429
18	0.114	5.00	48.460	1200	505813.741	119377.684	1.500
2	0.000	5.00	48.680	1350	505827.257	119377.462	1.801
3	0.026	5.00	47.076	1350	505825.677	119345.259	1.516
19	0.037	5.00	47.841	1200	505878.484	119327.636	1.426
20	0.013	5.00	47.318	1200	505878.281	119315.881	1.508
4	0.115	5.00	45.727	1500	505825.744	119316.789	1.682
5	0.072	5.00	44.688	1500	505825.876	119289.897	1.653
6	0.009	5.00	44.363	1500	505815.671	119284.629	1.653
21	0.042	5.00	45.256	1200	505766.502	119323.880	1.576
22	0.013	5.00	43.578	1200	505766.949	119294.755	1.653
7	0.094	5.00	42.967	1500	505771.142	119284.315	1.667
8	0.025	5.00	41.725	1500	505758.990	119268.955	1.735
23	0.045	5.00	43.315	1200	505745.681	119313.897	1.445
24	0.005	5.00	42.777	1200	505740.599	119305.850	1.427
9	0.112	5.00	41.448	1800	505731.354	119282.373	1.783
10	0.067	5.00	41.472	1800	505701.306	119290.942	2.772
11	0.033	5.00	39.790	1800	505694.943	119261.756	1.950
12	0.084	5.00	38.060	1800	505686.523	119231.583	2.025
32	0.089	5.00	37.940	1800	505718.687	119220.922	2.590
32A	0.049	5.00	38.090	1200	505733.139	119215.478	1.425
33	0.084	5.00	37.380	1800	505708.479	119193.083	2.930
Basin3A	0.000	5.00	35.700	1800	505675.683	119188.198	1.500
29	0.047	5.00	39.807	1200	505630.324	119272.149	1.427
30	0.066	5.00	38.596	1200	505624.987	119249.627	1.426
13	0.022	5.00	37.973	1800	505623.261	119236.173	2.088
31	0.103	5.00	37.569	1200	505585.956	119242.066	1.469
14	0.055	5.00	37.787	1800	505605.267	119238.629	2.487
14A	0.000	5.00	35.700	1500	505603.166	119228.310	1.575
Basin3	0.000	5.00	34.800	1800	505601.126	119218.174	1.650
fcc	0.000	5.00	34.850	1800	505579.032	119206.030	1.724
OUTFALL	0.000		34.600	1500	505577.244	119198.521	1.500

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
1.000	1	2	12.963	0.600	47.460	46.954	0.506	25.6	225	5.08	153.2
2.000	18	2	13.518	0.600	46.960	46.879	0.081	166.9	300	5.19	151.9
1.001	2	3	32.242	0.600	46.879	45.560	1.319	24.4	300	5.35	147.3
1.002	3	4	28.470	0.600	45.560	44.120	1.440	19.8	300	5.49	146.3
3.000	19	20	11.757	0.600	46.415	45.885	0.530	22.2	225	5.07	152.9
3.001	20	4	52.545	0.600	45.810	44.120	1.690	31.1	300	5.38	148.0
1.003	4	5	26.892	0.600	44.045	43.110	0.935	28.8	375	5.62	142.1
1.004	5	6	11.485	0.600	43.035	42.710	0.325	35.3	450	5.68	141.5
1.005	6	7	44.530	0.600	42.710	41.300	1.410	31.6	450	5.88	140.1
4.000	21	22	29.128	0.600	43.680	42.000	1.680	17.3	225	5.15	151.2
4.001	22	7	11.251	0.600	41.925	41.388	0.537	21.0	300	5.21	150.3
1.006	7	8	19.586	0.600	41.300	39.990	1.310	15.0	450	5.94	137.3
1.007	8	9	30.721	0.600	39.990	39.665	0.325	94.5	525	6.16	136.6
5.000	23	24	9.517	0.600	41.870	41.350	0.520	18.3	225	5.05	152.5
5.001	24	9	25.232	0.600	41.350	39.965	1.385	18.2	225	5.19	151.0
1.008	9	10	31.246	0.600	39.665	38.700	0.965	32.4	525	6.30	134.8
1.009	10	11	29.872	0.600	38.700	37.840	0.860	34.7	525	6.43	135.0
1.010	11	12	31.326	0.600	37.840	36.110	1.730	18.1	525	6.53	131.0
1.011	12	32	33.885	0.600	36.035	35.350	0.685	49.5	600	6.69	126.8
1.012	32	33	29.652	0.600	35.350	34.600	0.750	39.5	600	6.82	123.5
1.013	33	Basin3A	33.158	0.600	34.450	34.200	0.250	132.6	600	7.08	119.9
1.014	Basin3A	Basin3	80.357	0.600	34.200	33.225	0.975	82.4	750	7.51	112.2
7.000	29	30	23.146	0.600	38.380	37.170	1.210	19.1	225	5.13	152.2
7.001	30	13	13.564	0.600	37.170	35.960	1.210	11.2	225	5.19	151.2

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
1.000	2.595	103.2	61.5	1.204	1.501	0.111	0.0	125	2.705
2.000	1.214	85.8	62.6	1.200	1.501	0.114	0.0	191	1.321
1.001	3.193	225.7	119.8	1.501	1.216	0.225	0.0	156	3.239
1.002	3.551	251.0	132.7	1.216	1.307	0.251	0.0	155	3.598
3.000	2.790	110.9	20.4	1.201	1.208	0.037	0.0	65	2.147
3.001	2.829	200.0	26.7	1.208	1.307	0.050	0.0	74	1.987
1.003	3.389	374.3	213.6	1.307	1.203	0.416	0.0	203	3.496
1.004	3.428	545.2	249.6	1.203	1.203	0.488	0.0	213	3.353
1.005	3.627	576.9	251.6	1.203	1.217	0.497	0.0	208	3.510
4.000	3.157	125.5	23.0	1.351	1.353	0.042	0.0	65	2.413
4.001	3.450	243.8	29.9	1.353	1.279	0.055	0.0	71	2.369
1.006	5.278	839.4	320.5	1.217	1.285	0.646	0.0	192	4.933
1.007	2.304	498.7	331.3	1.210	1.258	0.671	0.0	314	2.457
5.000	3.073	122.2	24.8	1.220	1.202	0.045	0.0	68	2.416
5.001	3.080	122.5	27.3	1.202	1.258	0.050	0.0	72	2.487
1.008	3.946	854.1	405.8	1.258	2.247	0.833	0.0	255	3.897
1.009	3.809	824.6	439.1	2.247	1.425	0.900	0.0	272	3.865
1.010	5.281	1143.1	441.7	1.425	1.425	0.933	0.0	226	4.955
1.011	3.467	980.4	466.0	1.425	1.990	1.017	0.0	291	3.425
1.012	3.880	1097.1	515.5	1.990	2.180	1.155	0.0	289	3.823
1.013	2.113	597.3	536.9	2.330	0.900	1.239	0.0	447	2.374
1.014	3.084	1362.3	502.4	0.750	0.825	1.239	0.0	315	2.862
7.000	3.005	119.5	25.9	1.202	1.201	0.047	0.0	71	2.411
7.001	3.930	156.2	61.7	1.201	1.788	0.113	0.0	98	3.703

Links

Name	US Node	DS Node	Length (m)	ks (mm) / n	US IL (m)	DS IL (m)	Fall (m)	Slope (1:X)	Dia (mm)	T of C (mins)	Rain (mm/hr)
7.002	13	14	18.161	0.600	35.885	35.300	0.585	31.0	300	5.29	118.2
8.000	31	14	19.614	0.600	36.100	35.375	0.725	27.1	225	5.13	152.5
7.003	14	14A	20.870	0.600	35.300	34.125	1.175	17.8	375	5.37	116.1
7.004	14A	Basin3	10.339	0.600	34.125	33.200	0.925	11.2	375	5.41	149.6
1.015	Basin3	fcc	9.700	0.600	33.150	33.126	0.024	404.2	825	7.62	120.3
1.016	fcc	OUTFALL	7.719	0.600	33.126	33.100	0.026	296.9	825	7.70	120.2
9.000	32A	32	15.443	0.600	36.665	35.650	1.015	15.2	225	5.08	153.1

Name	Vel (m/s)	Cap (l/s)	Flow (l/s)	US Depth (m)	DS Depth (m)	Σ Area (ha)	Σ Add Inflow (l/s)	Pro Depth (mm)	Pro Velocity (m/s)
7.002	2.831	200.1	57.7	1.788	2.187	0.135	0.0	110	2.459
8.000	2.525	100.4	56.8	1.244	2.187	0.103	0.0	121	2.597
7.003	4.316	476.7	122.9	2.112	1.200	0.293	0.0	129	3.642
7.004	5.444	601.3	158.4	1.200	1.225	0.293	0.0	131	4.620
1.015	1.470	785.9	666.1	0.825	0.899	1.532	0.0	587	1.639
1.016	1.718	918.1	665.5	0.899	0.675	1.532	0.0	522	1.863
9.000	3.371	134.0	27.1	1.200	2.065	0.049	0.0	68	2.651

Pipeline Schedule

Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
1.000	12.963	25.6	225	Circular_Default Sewer Type	48.889	47.460	1.204	48.680	46.954	1.501
2.000	13.518	166.9	300	Circular_Default Sewer Type	48.460	46.960	1.200	48.680	46.879	1.501
1.001	32.242	24.4	300	Circular_Default Sewer Type	48.680	46.879	1.501	47.076	45.560	1.216
1.002	28.470	19.8	300	Circular_Default Sewer Type	47.076	45.560	1.216	45.727	44.120	1.307
3.000	11.757	22.2	225	Circular_Default Sewer Type	47.841	46.415	1.201	47.318	45.885	1.208
3.001	52.545	31.1	300	Circular_Default Sewer Type	47.318	45.810	1.208	45.727	44.120	1.307
1.003	26.892	28.8	375	Circular_Default Sewer Type	45.727	44.045	1.307	44.688	43.110	1.203
1.004	11.485	35.3	450	Circular_Default Sewer Type	44.688	43.035	1.203	44.363	42.710	1.203
1.005	44.530	31.6	450	Circular_Default Sewer Type	44.363	42.710	1.203	42.967	41.300	1.217
4.000	29.128	17.3	225	Circular_Default Sewer Type	45.256	43.680	1.351	43.578	42.000	1.353
4.001	11.251	21.0	300	Circular_Default Sewer Type	43.578	41.925	1.353	42.967	41.388	1.279
1.006	19.586	15.0	450	Circular_Default Sewer Type	42.967	41.300	1.217	41.725	39.990	1.285
1.007	30.721	94.5	525	Circular_Default Sewer Type	41.725	39.990	1.210	41.448	39.665	1.258

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
1.000	1	1200	Manhole	Adoptable	2	1350	Manhole	Adoptable
2.000	18	1200	Manhole	Adoptable	2	1350	Manhole	Adoptable
1.001	2	1350	Manhole	Adoptable	3	1350	Manhole	Adoptable
1.002	3	1350	Manhole	Adoptable	4	1500	Manhole	Adoptable
3.000	19	1200	Manhole	Adoptable	20	1200	Manhole	Adoptable
3.001	20	1200	Manhole	Adoptable	4	1500	Manhole	Adoptable
1.003	4	1500	Manhole	Adoptable	5	1500	Manhole	Adoptable
1.004	5	1500	Manhole	Adoptable	6	1500	Manhole	Adoptable
1.005	6	1500	Manhole	Adoptable	7	1500	Manhole	Adoptable
4.000	21	1200	Manhole	Adoptable	22	1200	Manhole	Adoptable
4.001	22	1200	Manhole	Adoptable	7	1500	Manhole	Adoptable
1.006	7	1500	Manhole	Adoptable	8	1500	Manhole	Adoptable
1.007	8	1500	Manhole	Adoptable	9	1800	Manhole	Adoptable

Pipeline Schedule

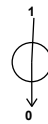
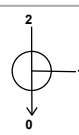
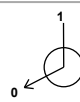
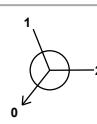
Link	Length (m)	Slope (1:X)	Dia (mm)	Link Type	US CL (m)	US IL (m)	US Depth (m)	DS CL (m)	DS IL (m)	DS Depth (m)
5.000	9.517	18.3	225	Circular_Default Sewer Type	43.315	41.870	1.220	42.777	41.350	1.202
5.001	25.232	18.2	225	Circular_Default Sewer Type	42.777	41.350	1.202	41.448	39.965	1.258
1.008	31.246	32.4	525	Circular_Default Sewer Type	41.448	39.665	1.258	41.472	38.700	2.247
1.009	29.872	34.7	525	Circular_Default Sewer Type	41.472	38.700	2.247	39.790	37.840	1.425
1.010	31.326	18.1	525	Circular_Default Sewer Type	39.790	37.840	1.425	38.060	36.110	1.425
1.011	33.885	49.5	600	Circular_Default Sewer Type	38.060	36.035	1.425	37.940	35.350	1.990
1.012	29.652	39.5	600	Circular_Default Sewer Type	37.940	35.350	1.990	37.380	34.600	2.180
1.013	33.158	132.6	600	Circular_Default Sewer Type	37.380	34.450	2.330	35.700	34.200	0.900
1.014	80.357	82.4	750	Circular_Default Sewer Type	35.700	34.200	0.750	34.800	33.225	0.825
7.000	23.146	19.1	225	Circular_Default Sewer Type	39.807	38.380	1.202	38.596	37.170	1.201
7.001	13.564	11.2	225	Circular_Default Sewer Type	38.596	37.170	1.201	37.973	35.960	1.788
7.002	18.161	31.0	300	Circular_Default Sewer Type	37.973	35.885	1.788	37.787	35.300	2.187
8.000	19.614	27.1	225	Circular_Default Sewer Type	37.569	36.100	1.244	37.787	35.375	2.187
7.003	20.870	17.8	375	Circular_Default Sewer Type	37.787	35.300	2.112	35.700	34.125	1.200
7.004	10.339	11.2	375	Circular_Default Sewer Type	35.700	34.125	1.200	34.800	33.200	1.225
1.015	9.700	404.2	825	Circular_Default Sewer Type	34.800	33.150	0.825	34.850	33.126	0.899
1.016	7.719	296.9	825	Circular_Default Sewer Type	34.850	33.126	0.899	34.600	33.100	0.675
9.000	15.443	15.2	225	Circular_Default Sewer Type	38.090	36.665	1.200	37.940	35.650	2.065

Link	US Node	Dia (mm)	Node Type	MH Type	DS Node	Dia (mm)	Node Type	MH Type
5.000	23	1200	Manhole	Adoptable	24	1200	Manhole	Adoptable
5.001	24	1200	Manhole	Adoptable	9	1800	Manhole	Adoptable
1.008	9	1800	Manhole	Adoptable	10	1800	Manhole	Adoptable
1.009	10	1800	Manhole	Adoptable	11	1800	Manhole	Adoptable
1.010	11	1800	Manhole	Adoptable	12	1800	Manhole	Adoptable
1.011	12	1800	Manhole	Adoptable	32	1800	Manhole	Adoptable
1.012	32	1800	Manhole	Adoptable	33	1800	Manhole	Adoptable
1.013	33	1800	Manhole	Adoptable	Basin3A	1800	Manhole	Adoptable
1.014	Basin3A	1800	Manhole	Adoptable	Basin3	1800	Manhole	Adoptable
7.000	29	1200	Manhole	Adoptable	30	1200	Manhole	Adoptable
7.001	30	1200	Manhole	Adoptable	13	1800	Manhole	Adoptable
7.002	13	1800	Manhole	Adoptable	14	1800	Manhole	Adoptable
8.000	31	1200	Manhole	Adoptable	14	1800	Manhole	Adoptable
7.003	14	1800	Manhole	Adoptable	14A	1500	Manhole	Adoptable
7.004	14A	1500	Manhole	Adoptable	Basin3	1800	Manhole	Adoptable
1.015	Basin3	1800	Manhole	Adoptable	fcc	1800	Manhole	Adoptable
1.016	fcc	1800	Manhole	Adoptable	OUTFALL	1500	Manhole	Adoptable
9.000	32A	1200	Manhole	Adoptable	32	1800	Manhole	Adoptable

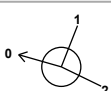
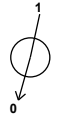
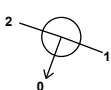
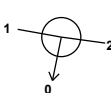
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)
1	505840.220	119377.458	48.889	1.429	1200				
							0	1.000	47.460
18	505813.741	119377.684	48.460	1.500	1200				
							0	2.000	46.960

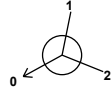
Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
2	505827.257	119377.462	48.680	1.801	1350		1	2.000	46.879	300
							2	1.000	46.954	225
							0	1.001	46.879	300
3	505825.677	119345.259	47.076	1.516	1350		1	1.001	45.560	300
							0	1.002	45.560	300
19	505878.484	119327.636	47.841	1.426	1200		0	3.000	46.415	225
20	505878.281	119315.881	47.318	1.508	1200		1	3.000	45.885	225
4	505825.744	119316.789	45.727	1.682	1500		1	3.001	44.120	300
							2	1.002	44.120	300
							0	1.003	44.045	375
5	505825.876	119289.897	44.688	1.653	1500		1	1.003	43.110	375
							0	1.004	43.035	450
6	505815.671	119284.629	44.363	1.653	1500		1	1.004	42.710	450
							0	1.005	42.710	450
21	505766.502	119323.880	45.256	1.576	1200		0	4.000	43.680	225
22	505766.949	119294.755	43.578	1.653	1200		1	4.000	42.000	225
7	505771.142	119284.315	42.967	1.667	1500		1	4.001	41.388	300
							2	1.005	41.300	450
							0	1.006	41.300	450
8	505758.990	119268.955	41.725	1.735	1500		1	1.006	39.990	450
							0	1.007	39.990	525
23	505745.681	119313.897	43.315	1.445	1200		0	5.000	41.870	225
24	505740.599	119305.850	42.777	1.427	1200		1	5.000	41.350	225
							0	5.001	41.350	225

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
9	505731.354	119282.373	41.448	1.783	1800		1	5.001	39.965	225
							2	1.007	39.665	525
							0	1.008	39.665	525
10	505701.306	119290.942	41.472	2.772	1800		1	1.008	38.700	525
0	1.009	38.700	525							
11	505694.943	119261.756	39.790	1.950	1800		1	1.009	37.840	525
0	1.010	37.840	525							
12	505686.523	119231.583	38.060	2.025	1800		1	1.010	36.110	525
0	1.011	36.035	600							
32	505718.687	119220.922	37.940	2.590	1800		1	9.000	35.650	225
							2	1.011	35.350	600
							0	1.012	35.350	600
32A	505733.139	119215.478	38.090	1.425	1200		0	9.000	36.665	225
1	1.012	34.600	600							
33	505708.479	119193.083	37.380	2.930	1800		0	1.013	34.450	600
Basin3A	505675.683	119188.198	35.700	1.500	1800			1	1.013	34.200
0	1.014	34.200	750							
29	505630.324	119272.149	39.807	1.427	1200		0	7.000	38.380	225
30	505624.987	119249.627	38.596	1.426	1200			1	7.000	37.170
0	7.001	37.170	225							
13	505623.261	119236.173	37.973	2.088	1800		1	7.001	35.960	225
0	7.002	35.885	300							
31	505585.956	119242.066	37.569	1.469	1200		0	8.000	36.100	225
14	505605.267	119238.629	37.787	2.487	1800			1	8.000	35.375
2	7.002	35.300	300							
0	7.003	35.300	375							

Manhole Schedule

Node	Easting (m)	Northing (m)	CL (m)	Depth (m)	Dia (mm)	Connections	Link	IL (m)	Dia (mm)	
14A	505603.166	119228.310	35.700	1.575	1500		1	7.003	34.125	375
Basin3	505601.126	119218.174	34.800	1.650	1800		0	7.004	34.125	375
							2	1.014	33.225	750
							0	1.015	33.150	825
fcc	505579.032	119206.030	34.850	1.724	1800		1	1.015	33.126	825
OUTFALL	505577.244	119198.521	34.600	1.500	1500		0	1.016	33.126	825
							1	1.016	33.100	825

Simulation Settings

Rainfall Methodology	FEH-22	Analysis Speed	Normal	Starting Level (m)	
Rainfall Events	Singular	Skip Steady State	✓	Check Discharge Rate(s)	✓
Summer CV	1.000	Drain Down Time (mins)	1440	Check Discharge Volume	✓
Winter CV	1.000	Additional Storage (m³/ha)	0.0	100 year 360 minute (m³)	

Storm Durations

15 | 30 | 60 | 120 | 180 | 240 | 360 | 480 | 600 | 720 | 960 | 1440

Return Period (years)	Climate Change (CC %)	Additional Area (A %)	Additional Flow (Q %)
2	0	0	0
30	0	0	0
30	30	0	0
100	45	0	0

Pre-development Discharge Rate

Site Makeup	Greenfield	Growth Factor 30 year	1.95
Greenfield Method	IH124	Growth Factor 100 year	2.48
Positively Drained Area (ha)		Betterment (%)	0
SAAR (mm)		QBar	
Soil Index	1	Q 1 year (l/s)	
SPR	0.10	Q 30 year (l/s)	
Region	1	Q 100 year (l/s)	
Growth Factor 1 year	0.85		

Pre-development Discharge Volume

Site Makeup	Greenfield	Return Period (years)	100
Greenfield Method	FSR/FEH	Climate Change (%)	0
Positively Drained Area (ha)		Storm Duration (mins)	360
Soil Index	1	Betterment (%)	0
SPR	0.10	PR	
CWI		Runoff Volume (m³)	

Node fcc Online Hydro-Brake® Control

Flap Valve	x	Objective	(HE) Minimise upstream storage
Replaces Downstream Link	✓	Sump Available	✓
Invert Level (m)	33.126	Product Number	CTL-SHE-0157-1250-1300-1250
Design Depth (m)	1.300	Min Outlet Diameter (m)	0.225
Design Flow (l/s)	12.5	Min Node Diameter (mm)	1500

Node Basin3 Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00003	Safety Factor	2.0	Invert Level (m)	33.150
Side Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Time to half empty (mins)	1088

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	662.0	662.0	1.650	1981.0	662.0

Node Basin3A Depth/Area Storage Structure

Base Inf Coefficient (m/hr)	0.00000	Safety Factor	2.0	Invert Level (m)	34.200
Side Inf Coefficient (m/hr)	0.00000	Porosity	1.00	Time to half empty (mins)	0

Depth (m)	Area (m²)	Inf Area (m²)	Depth (m)	Area (m²)	Inf Area (m²)
0.000	296.0	0.0	1.500	1031.0	0.0

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1	10	47.535	0.075	22.1	0.0848	0.0000	OK
15 minute summer	18	10	47.071	0.111	22.7	0.1251	0.0000	OK
15 minute summer	2	10	46.971	0.092	44.5	0.1319	0.0000	OK
15 minute summer	3	10	45.653	0.093	49.5	0.1332	0.0000	OK
15 minute summer	19	10	46.456	0.041	7.4	0.0459	0.0000	OK
15 minute summer	20	10	45.855	0.045	9.9	0.0509	0.0000	OK
15 minute summer	4	10	44.170	0.125	81.7	0.2201	0.0000	OK
15 minute summer	5	10	43.178	0.143	95.1	0.2535	0.0000	OK
15 minute summer	6	11	42.840	0.130	96.9	0.2291	0.0000	OK
15 minute summer	21	10	43.720	0.040	8.4	0.0450	0.0000	OK
15 minute summer	22	10	41.970	0.045	10.9	0.0506	0.0000	OK
15 minute summer	7	11	41.416	0.116	125.9	0.2055	0.0000	OK
15 minute summer	8	11	40.187	0.197	131.1	0.3474	0.0000	OK
15 minute summer	23	10	41.913	0.043	9.0	0.0481	0.0000	OK
15 minute summer	24	10	41.394	0.044	10.0	0.0497	0.0000	OK
15 minute summer	9	11	39.825	0.160	162.7	0.4076	0.0000	OK
15 minute summer	10	11	38.878	0.178	176.0	0.4530	0.0000	OK
15 minute summer	11	11	37.989	0.149	182.6	0.3796	0.0000	OK
15 minute summer	12	11	36.227	0.192	198.3	0.4885	0.0000	OK
15 minute summer	32	11	35.548	0.198	224.2	0.5028	0.0000	OK
15 minute summer	32A	10	36.707	0.042	9.8	0.0477	0.0000	OK
15 minute summer	33	10	34.751	0.301	239.2	0.7654	0.0000	OK
30 minute summer	Basin3A	22	34.364	0.164	218.3	55.4436	0.0000	OK
15 minute summer	29	10	38.422	0.042	9.4	0.0480	0.0000	OK
15 minute summer	30	10	37.230	0.060	22.5	0.0682	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	1	1.000	2	22.0	1.988	0.213	0.1433	
15 minute summer	18	2.000	2	22.6	1.078	0.263	0.2834	
15 minute summer	2	1.001	3	44.3	2.396	0.196	0.5957	
15 minute summer	3	1.002	4	49.0	2.715	0.195	0.5141	
15 minute summer	19	3.000	20	7.3	1.553	0.066	0.0556	
15 minute summer	20	3.001	4	9.8	1.415	0.049	0.3730	
15 minute summer	4	1.003	5	81.2	2.650	0.217	0.8242	
15 minute summer	5	1.004	6	95.2	2.350	0.175	0.4654	
15 minute summer	6	1.005	7	97.4	2.778	0.169	1.5620	
15 minute summer	21	4.000	22	8.3	1.782	0.066	0.1357	
15 minute summer	22	4.001	7	10.8	1.708	0.044	0.0714	
15 minute summer	7	1.006	8	126.3	2.580	0.150	0.9688	
15 minute summer	8	1.007	9	131.7	2.039	0.264	1.9878	
15 minute summer	23	5.000	24	9.0	1.685	0.073	0.0507	
15 minute summer	24	5.001	9	9.9	1.839	0.081	0.1355	
15 minute summer	9	1.008	10	163.3	2.722	0.191	1.8758	
15 minute summer	10	1.009	11	176.4	3.077	0.214	1.7149	
15 minute summer	11	1.010	12	182.3	3.790	0.159	1.5067	
15 minute summer	12	1.011	32	198.0	2.500	0.202	2.6835	
15 minute summer	32	1.012	33	223.2	2.945	0.203	2.2478	
15 minute summer	32A	9.000	32	9.7	1.936	0.073	0.0776	
15 minute summer	33	1.013	Basin3A	241.1	2.868	0.404	2.9394	
30 minute summer	Basin3A	1.014	Basin3	140.4	2.027	0.103	5.5647	
15 minute summer	29	7.000	30	9.3	1.372	0.078	0.1589	
15 minute summer	30	7.001	13	22.4	2.714	0.143	0.1119	

Results for 2 year Critical Storm Duration. Lowest mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	13	10	35.959	0.074	26.8	0.1885	0.0000	OK
15 minute summer	31	10	36.171	0.071	20.5	0.0808	0.0000	OK
15 minute summer	14	10	35.393	0.093	58.0	0.2358	0.0000	OK
15 minute summer	14A	10	34.210	0.085	57.7	0.1506	0.0000	OK
360 minute summer	Basin3	288	33.511	0.361	78.2	291.7657	0.0000	OK
360 minute summer	fcc	288	33.511	0.385	12.7	0.9790	0.0000	OK
15 minute summer	OUTFALL	1	33.100	0.000	10.7	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	13	7.002	14	26.6	1.669	0.133	0.2904	
15 minute summer	31	8.000	14	20.4	1.938	0.203	0.2061	
15 minute summer	14	7.003	14A	57.7	2.891	0.121	0.4164	
15 minute summer	14A	7.004	Basin3	57.4	3.269	0.095	0.1816	
360 minute summer	Basin3	1.015	fcc	12.7	0.187	0.016	2.2673	
360 minute summer	Basin3	Infiltration		0.0				
360 minute summer	fcc	Hydro-Brake®	OUTFALL	12.5				467.0

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1	10	47.597	0.137	59.6	0.1554	0.0000	OK
15 minute summer	18	10	47.159	0.199	61.2	0.2249	0.0000	OK
15 minute summer	2	10	47.042	0.163	120.2	0.2333	0.0000	OK
15 minute summer	3	10	45.727	0.167	133.5	0.2383	0.0000	OK
15 minute summer	19	10	46.483	0.068	19.9	0.0773	0.0000	OK
15 minute summer	20	10	45.883	0.073	26.8	0.0829	0.0000	OK
15 minute summer	4	10	44.273	0.228	220.5	0.4034	0.0000	OK
15 minute summer	5	10	43.303	0.268	257.0	0.4727	0.0000	OK
15 minute summer	6	11	42.936	0.226	261.2	0.3988	0.0000	OK
15 minute summer	21	10	43.746	0.066	22.6	0.0746	0.0000	OK
15 minute summer	22	10	41.995	0.070	29.4	0.0790	0.0000	OK
15 minute summer	7	11	41.508	0.208	339.5	0.3674	0.0000	OK
15 minute summer	8	11	40.352	0.362	353.1	0.6396	0.0000	OK
15 minute summer	23	10	41.942	0.072	24.2	0.0818	0.0000	OK
15 minute summer	24	10	41.424	0.074	26.8	0.0832	0.0000	OK
15 minute summer	9	11	39.956	0.291	437.8	0.7396	0.0000	OK
15 minute summer	10	11	39.028	0.328	473.9	0.8339	0.0000	OK
15 minute summer	11	11	38.100	0.260	492.9	0.6610	0.0000	OK
15 minute summer	12	11	36.389	0.354	536.8	0.9010	0.0000	OK
15 minute summer	32	11	35.713	0.363	608.0	0.9240	0.0000	OK
15 minute summer	32A	10	36.736	0.071	26.3	0.0801	0.0000	OK
15 minute summer	33	11	35.021	0.571	651.6	1.4534	0.0000	OK
30 minute summer	Basin3A	21	34.512	0.312	597.2	116.7827	0.0000	OK
15 minute summer	29	10	38.450	0.070	25.2	0.0789	0.0000	OK
15 minute summer	30	10	37.276	0.106	60.5	0.1198	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	1	1.000	2	59.3	2.509	0.575	0.3063	
15 minute summer	18	2.000	2	60.9	1.371	0.710	0.5993	
15 minute summer	2	1.001	3	119.5	3.016	0.529	1.2776	
15 minute summer	3	1.002	4	132.3	3.466	0.527	1.0867	
15 minute summer	19	3.000	20	19.8	2.033	0.178	0.1145	
15 minute summer	20	3.001	4	26.5	1.405	0.133	1.3006	
15 minute summer	4	1.003	5	218.7	3.348	0.584	1.7604	
15 minute summer	5	1.004	6	256.4	2.893	0.470	1.0203	
15 minute summer	6	1.005	7	262.4	3.474	0.455	3.3642	
15 minute summer	21	4.000	22	22.4	2.361	0.178	0.2764	
15 minute summer	22	4.001	7	29.3	1.893	0.120	0.2172	
15 minute summer	7	1.006	8	340.3	3.216	0.405	2.0390	
15 minute summer	8	1.007	9	354.4	2.514	0.711	4.3224	
15 minute summer	23	5.000	24	24.1	2.168	0.197	0.1059	
15 minute summer	24	5.001	9	26.6	2.421	0.217	0.2772	
15 minute summer	9	1.008	10	439.6	3.325	0.515	4.1294	
15 minute summer	10	1.009	11	476.0	3.832	0.577	3.7066	
15 minute summer	11	1.010	12	493.8	4.447	0.432	3.4934	
15 minute summer	12	1.011	32	537.1	3.070	0.548	5.9523	
15 minute summer	32	1.012	33	608.6	3.359	0.555	5.7765	
15 minute summer	32A	9.000	32	26.2	2.540	0.195	0.1592	
15 minute summer	33	1.013	Basin3A	653.1	3.313	1.093	6.5491	
30 minute summer	Basin3A	1.014	Basin3	459.9	2.781	0.338	13.3047	
15 minute summer	29	7.000	30	25.1	1.752	0.210	0.3335	
15 minute summer	30	7.001	13	60.2	3.482	0.385	0.2345	

Results for 30 year Critical Storm Duration. Lowest mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	13	10	36.015	0.130	72.0	0.3306	0.0000	OK
15 minute summer	31	10	36.228	0.128	55.3	0.1450	0.0000	OK
15 minute summer	14	10	35.460	0.160	156.1	0.4073	0.0000	OK
15 minute summer	14A	10	34.277	0.152	155.4	0.2682	0.0000	OK
360 minute winter	Basin3	360	33.923	0.773	113.7	752.9369	0.0000	OK
360 minute winter	fcc	360	33.923	0.797	13.1	2.0292	0.0000	OK
15 minute summer	OUTFALL	1	33.100	0.000	12.5	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	13	7.002	14	71.7	2.126	0.358	0.6124	
15 minute summer	31	8.000	14	54.9	2.474	0.547	0.4356	
15 minute summer	14	7.003	14A	155.4	3.590	0.326	0.9037	
15 minute summer	14A	7.004	Basin3	154.7	4.131	0.257	0.5303	
360 minute winter	Basin3	1.015	fcc	13.1	0.190	0.017	5.0777	
360 minute winter	Basin3	Infiltration		0.0				
360 minute winter	fcc	Hydro-Brake®	OUTFALL	12.5				977.5

Results for 30 year +30% CC Critical Storm Duration. Lowest mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1	10	47.628	0.168	77.5	0.1899	0.0000	OK
15 minute summer	18	10	47.201	0.241	79.6	0.2721	0.0000	OK
15 minute summer	2	10	47.074	0.195	156.2	0.2797	0.0000	OK
15 minute summer	3	10	45.756	0.196	173.4	0.2803	0.0000	OK
15 minute summer	19	10	46.494	0.079	25.8	0.0894	0.0000	OK
15 minute summer	20	10	45.894	0.084	34.8	0.0947	0.0000	OK
15 minute summer	4	10	44.323	0.278	287.2	0.4913	0.0000	OK
15 minute summer	5	10	43.360	0.325	335.1	0.5737	0.0000	OK
15 minute summer	6	10	42.976	0.266	340.0	0.4702	0.0000	OK
15 minute summer	21	10	43.756	0.076	29.3	0.0858	0.0000	OK
15 minute summer	22	10	42.005	0.080	38.2	0.0901	0.0000	OK
15 minute summer	7	11	41.553	0.253	442.2	0.4465	0.0000	OK
15 minute summer	8	11	40.440	0.450	459.5	0.7950	0.0000	OK
15 minute summer	23	10	41.954	0.084	31.4	0.0949	0.0000	OK
15 minute summer	24	10	41.435	0.085	34.8	0.0961	0.0000	OK
15 minute summer	9	11	40.018	0.353	569.5	0.8973	0.0000	OK
15 minute summer	10	11	39.101	0.401	616.1	1.0206	0.0000	OK
15 minute summer	11	11	38.145	0.305	640.5	0.7756	0.0000	OK
15 minute summer	12	11	36.476	0.441	698.4	1.1233	0.0000	OK
15 minute summer	32	11	35.876	0.526	791.6	1.3376	0.0000	OK
15 minute summer	32A	9	36.744	0.079	34.2	0.0899	0.0000	OK
15 minute summer	33	11	35.402	0.952	835.0	2.4236	0.0000	SURCHARGED
30 minute summer	Basin3A	21	34.570	0.370	777.4	144.0159	0.0000	OK
15 minute summer	29	10	38.460	0.080	32.8	0.0906	0.0000	OK
15 minute summer	30	10	37.295	0.125	78.8	0.1419	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	1	1.000	2	77.1	2.626	0.747	0.3798	
15 minute summer	18	2.000	2	79.2	1.443	0.922	0.7378	
15 minute summer	2	1.001	3	155.3	3.193	0.688	1.5687	
15 minute summer	3	1.002	4	172.4	3.473	0.687	1.4159	
15 minute summer	19	3.000	20	25.7	2.173	0.231	0.1390	
15 minute summer	20	3.001	4	34.5	1.415	0.172	1.7549	
15 minute summer	4	1.003	5	284.8	3.457	0.761	2.2260	
15 minute summer	5	1.004	6	333.7	3.035	0.612	1.2635	
15 minute summer	6	1.005	7	341.4	3.610	0.592	4.2117	
15 minute summer	21	4.000	22	29.1	2.533	0.232	0.3345	
15 minute summer	22	4.001	7	38.1	1.911	0.156	0.3062	
15 minute summer	7	1.006	8	442.9	3.336	0.528	2.4478	
15 minute summer	8	1.007	9	461.3	2.623	0.925	5.3945	
15 minute summer	23	5.000	24	31.3	2.305	0.256	0.1293	
15 minute summer	24	5.001	9	34.5	2.594	0.282	0.3360	
15 minute summer	9	1.008	10	571.5	3.446	0.669	5.1740	
15 minute summer	10	1.009	11	618.5	4.008	0.750	4.5848	
15 minute summer	11	1.010	12	642.5	4.524	0.562	4.5559	
15 minute summer	12	1.011	32	699.6	3.100	0.714	8.1987	
15 minute summer	32	1.012	33	779.2	3.400	0.710	8.0561	
15 minute summer	32A	9.000	32	34.1	2.670	0.255	0.3967	
15 minute summer	33	1.013	Basin3A	831.6	3.454	1.392	7.6458	
30 minute summer	Basin3A	1.014	Basin3	612.8	2.981	0.450	16.5451	
15 minute summer	29	7.000	30	32.7	1.852	0.274	0.4096	
15 minute summer	30	7.001	13	78.3	3.689	0.501	0.2880	

Results for 30 year +30% CC Critical Storm Duration. Lowest mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	13	10	36.039	0.154	93.7	0.3914	0.0000	OK
15 minute summer	31	10	36.254	0.154	71.9	0.1745	0.0000	OK
15 minute summer	14	10	35.488	0.188	203.1	0.4781	0.0000	OK
15 minute summer	14A	10	34.305	0.180	202.3	0.3176	0.0000	OK
480 minute winter	Basin3	480	34.138	0.988	118.3	1046.3240	0.0000	SURCHARGED
480 minute winter	fcc	480	34.138	1.012	13.0	2.5745	0.0000	SURCHARGED
15 minute summer	OUTFALL	1	33.100	0.000	12.5	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	13	7.002	14	93.3	2.253	0.466	0.7515	
15 minute summer	31	8.000	14	71.4	2.605	0.711	0.5375	
15 minute summer	14	7.003	14A	202.3	3.768	0.424	1.1204	
15 minute summer	14A	7.004	Basin3	201.3	4.363	0.335	0.5938	
480 minute winter	Basin3	1.015	fcc	13.0	0.191	0.017	5.1714	
480 minute winter	Basin3	Infiltration		0.0				
480 minute winter	fcc	Hydro-Brake®	OUTFALL	12.5				1261.0

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	1	11	48.129	0.669	108.6	0.7562	0.0000	SURCHARGED
15 minute summer	18	11	47.632	0.672	111.5	0.7605	0.0000	SURCHARGED
15 minute summer	2	11	47.456	0.577	217.8	0.8254	0.0000	SURCHARGED
15 minute summer	3	11	46.153	0.593	236.0	0.8480	0.0000	SURCHARGED
15 minute summer	19	10	46.511	0.096	36.2	0.1089	0.0000	OK
15 minute summer	20	10	45.910	0.100	48.7	0.1128	0.0000	OK
15 minute summer	4	11	44.709	0.664	376.3	1.1734	0.0000	SURCHARGED
15 minute summer	5	11	43.459	0.424	440.7	0.7496	0.0000	OK
15 minute summer	6	12	43.061	0.351	448.1	0.6194	0.0000	OK
15 minute summer	21	10	43.772	0.092	41.1	0.1035	0.0000	OK
15 minute summer	22	12	42.128	0.203	53.5	0.2300	0.0000	OK
15 minute summer	7	12	42.108	0.808	581.0	1.4270	0.0000	SURCHARGED
15 minute summer	8	12	41.216	1.226	588.5	2.1658	0.0000	SURCHARGED
15 minute summer	23	10	41.974	0.104	44.0	0.1172	0.0000	OK
15 minute summer	24	9	41.450	0.099	48.8	0.1125	0.0000	OK
15 minute summer	9	12	40.604	0.939	735.5	2.3909	0.0000	SURCHARGED
15 minute summer	10	12	39.677	0.977	758.0	2.4868	0.0000	SURCHARGED
15 minute summer	11	12	38.632	0.792	795.3	2.0163	0.0000	SURCHARGED
15 minute summer	12	11	37.474	1.439	852.0	3.6630	0.0000	SURCHARGED
15 minute summer	32	11	36.735	1.385	968.9	3.5238	0.0000	SURCHARGED
15 minute summer	32A	11	36.841	0.176	47.9	0.1991	0.0000	OK
15 minute summer	33	11	35.849	1.399	1045.9	3.5615	0.0000	SURCHARGED
30 minute summer	Basin3A	22	34.659	0.459	1022.6	188.6538	0.0000	OK
15 minute summer	29	10	38.476	0.096	46.0	0.1088	0.0000	OK
15 minute summer	30	10	37.331	0.161	110.4	0.1816	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	1	1.000	2	107.3	2.698	1.040	0.5156	
15 minute summer	18	2.000	2	110.5	1.571	1.288	0.9519	
15 minute summer	2	1.001	3	210.6	3.286	0.933	2.2705	
15 minute summer	3	1.002	4	223.3	3.471	0.890	2.0048	
15 minute summer	19	3.000	20	36.0	2.361	0.325	0.1795	
15 minute summer	20	3.001	4	48.4	1.413	0.242	2.3876	
15 minute summer	4	1.003	5	373.6	3.423	0.998	2.9660	
15 minute summer	5	1.004	6	439.7	3.157	0.806	1.6323	
15 minute summer	6	1.005	7	437.1	3.545	0.758	6.4778	
15 minute summer	21	4.000	22	40.8	2.769	0.325	0.5185	
15 minute summer	22	4.001	7	53.4	1.858	0.219	0.6821	
15 minute summer	7	1.006	8	564.0	3.604	0.672	3.1033	
15 minute summer	8	1.007	9	579.0	2.680	1.161	6.6367	
15 minute summer	23	5.000	24	43.9	2.550	0.359	0.1638	
15 minute summer	24	5.001	9	48.6	2.715	0.397	0.7105	
15 minute summer	9	1.008	10	702.9	3.432	0.823	6.7502	
15 minute summer	10	1.009	11	763.0	4.161	0.925	6.4533	
15 minute summer	11	1.010	12	792.1	4.314	0.693	6.7674	
15 minute summer	12	1.011	32	856.7	3.042	0.874	9.5446	
15 minute summer	32	1.012	33	971.2	3.448	0.885	8.3523	
15 minute summer	32A	9.000	32	45.8	2.742	0.342	0.5645	
15 minute summer	33	1.013	Basin3A	1042.1	4.078	1.745	8.4286	
30 minute summer	Basin3A	1.014	Basin3	858.8	3.197	0.630	22.3850	
15 minute summer	29	7.000	30	45.8	1.960	0.384	0.5382	
15 minute summer	30	7.001	13	109.8	3.925	0.703	0.3788	

Results for 100 year +45% CC Critical Storm Duration. Lowest mass balance: 99.68%

Node Event	US Node	Peak (mins)	Level (m)	Depth (m)	Inflow (l/s)	Node Vol (m³)	Flood (m³)	Status
15 minute summer	13	10	36.081	0.196	131.3	0.4989	0.0000	OK
15 minute summer	31	11	36.453	0.353	100.7	0.3995	0.0000	SURCHARGED
15 minute summer	14	10	35.531	0.231	278.1	0.5883	0.0000	OK
480 minute winter	14A	472	34.403	0.278	31.2	0.4915	0.0000	OK
480 minute winter	Basin3	472	34.403	1.253	162.6	1460.4510	0.0000	SURCHARGED
480 minute winter	fcc	480	34.403	1.277	14.1	3.2506	0.0000	SURCHARGED
15 minute summer	OUTFALL	1	33.100	0.000	12.5	0.0000	0.0000	OK

Link Event (Upstream Depth)	US Node	Link	DS Node	Outflow (l/s)	Velocity (m/s)	Flow/Cap	Link Vol (m³)	Discharge Vol (m³)
15 minute summer	13	7.002	14	130.7	2.435	0.653	0.9718	
15 minute summer	31	8.000	14	97.2	2.725	0.969	0.7176	
15 minute summer	14	7.003	14A	276.7	3.967	0.581	1.4561	
480 minute winter	14A	7.004	Basin3	36.3	1.686	0.060	1.0233	
480 minute winter	Basin3	1.015	fcc	14.1	0.192	0.018	5.1714	
480 minute winter	Basin3	Infiltration		0.0				
480 minute winter	fcc	Hydro-Brake®	OUTFALL	12.5				1271.4