

Summary of Results for 10 year Return Period (+40%)

Half Drain Time : 202 minutes.

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
15 min Summer	12.429	0.419	14.1	243.3	O K
30 min Summer	12.540	0.530	18.1	317.2	O K
60 min Summer	12.643	0.633	21.8	389.1	O K
120 min Summer	12.720	0.710	24.7	445.4	O K
180 min Summer	12.748	0.738	25.8	466.8	O K
240 min Summer	12.765	0.755	26.5	479.5	O K
360 min Summer	12.781	0.771	27.1	492.2	O K
480 min Summer	12.784	0.774	27.2	494.6	O K
600 min Summer	12.781	0.771	27.1	491.8	O K
720 min Summer	12.773	0.763	26.8	485.9	O K
960 min Summer	12.752	0.742	26.0	470.0	O K
1440 min Summer	12.705	0.695	24.2	434.5	O K
2160 min Summer	12.640	0.630	21.7	387.0	O K
2880 min Summer	12.586	0.576	19.7	349.1	O K
4320 min Summer	12.505	0.495	16.8	293.6	O K
5760 min Summer	12.447	0.437	14.7	254.8	O K
7200 min Summer	12.402	0.392	13.1	225.8	O K
8640 min Summer	12.368	0.358	11.9	204.0	O K
10080 min Summer	12.339	0.329	10.9	186.3	O K
15 min Winter	12.474	0.464	15.7	272.7	O K
30 min Winter	12.596	0.586	20.1	355.9	O K
60 min Winter	12.709	0.699	24.3	437.4	O K
120 min Winter	12.795	0.785	27.6	502.9	O K
180 min Winter	12.823	0.813	28.7	524.3	O K
240 min Winter	12.838	0.828	29.3	536.7	O K
360 min Winter	12.848	0.838	29.7	544.2	O K

Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)
15 min Summer	76.627	0.0	25
30 min Summer	51.076	0.0	39
60 min Summer	32.757	0.0	66
120 min Summer	20.496	0.0	120
180 min Summer	15.449	0.0	150
240 min Summer	12.602	0.0	182
360 min Summer	9.450	0.0	250
480 min Summer	7.696	0.0	318
600 min Summer	6.559	0.0	386
720 min Summer	5.755	0.0	454
960 min Summer	4.680	0.0	588
1440 min Summer	3.493	0.0	848
2160 min Summer	2.605	0.0	1232
2880 min Summer	2.115	0.0	1596
4320 min Summer	1.575	0.0	2336
5760 min Summer	1.278	0.0	3064
7200 min Summer	1.087	0.0	3816
8640 min Summer	0.952	0.0	4504
10080 min Summer	0.851	0.0	5248
15 min Winter	76.627	0.0	25
30 min Winter	51.076	0.0	38
60 min Winter	32.757	0.0	66
120 min Winter	20.496	0.0	120
180 min Winter	15.449	0.0	158
240 min Winter	12.602	0.0	190
360 min Winter	9.450	0.0	266

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Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
480 min Winter	12.842	0.832	29.5	539.3	O K
600 min Winter	12.828	0.818	28.9	528.9	O K
720 min Winter	12.812	0.802	28.3	515.8	O K
960 min Winter	12.775	0.765	26.9	487.4	O K
1440 min Winter	12.703	0.693	24.1	433.0	O K
2160 min Winter	12.613	0.603	20.7	368.0	O K
2880 min Winter	12.544	0.534	18.2	319.7	O K
4320 min Winter	12.446	0.436	14.7	254.3	O K
5760 min Winter	12.381	0.371	12.4	212.6	O K
7200 min Winter	12.335	0.325	10.8	183.5	O K
8640 min Winter	12.300	0.290	9.6	162.2	O K
10080 min Winter	12.272	0.262	8.6	145.7	O K

Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)
480 min Winter	7.696	0.0	342
600 min Winter	6.559	0.0	414
720 min Winter	5.755	0.0	486
960 min Winter	4.680	0.0	624
1440 min Winter	3.493	0.0	894
2160 min Winter	2.605	0.0	1280
2880 min Winter	2.115	0.0	1652
4320 min Winter	1.575	0.0	2384
5760 min Winter	1.278	0.0	3120
7200 min Winter	1.087	0.0	3832
8640 min Winter	0.952	0.0	4584
10080 min Winter	0.851	0.0	5256

Model Details

Storage is Online Cover Level (m) 14.500

Infiltration Basin Structure

Invert Level (m) 12.010 Safety Factor 2.0
Infiltration Coefficient Base (m/hr) 0.00000 Porosity 1.00
Infiltration Coefficient Side (m/hr) 0.74500

Depth (m)	Area (m²)	Depth (m)	Area (m²)
0.000	516.0	2.459	1497.0