

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

Half Drain Time : 229 minutes.

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
15 min Summer	14.015	0.315	18.3	360.6	O K
30 min Summer	14.106	0.406	23.8	471.3	O K
60 min Summer	14.194	0.494	29.1	580.6	O K
120 min Summer	14.264	0.564	33.4	670.3	O K
180 min Summer	14.290	0.590	35.0	704.0	O K
240 min Summer	14.305	0.605	35.9	724.3	O K
360 min Summer	14.323	0.623	37.0	747.1	O K
480 min Summer	14.329	0.629	37.4	754.5	O K
600 min Summer	14.328	0.628	37.3	753.6	O K
720 min Summer	14.323	0.623	37.0	747.8	O K
960 min Summer	14.309	0.609	36.1	728.8	O K
1440 min Summer	14.273	0.573	33.9	681.6	O K
2160 min Summer	14.220	0.520	30.7	614.6	O K
2880 min Summer	14.177	0.477	28.0	559.2	O K
4320 min Summer	14.110	0.410	24.0	476.0	O K
5760 min Summer	14.061	0.361	21.1	416.6	O K
7200 min Summer	14.025	0.325	18.9	372.6	O K
8640 min Summer	13.996	0.296	17.2	337.5	O K
10080 min Summer	13.973	0.273	15.8	310.0	O K
15 min Winter	14.051	0.351	20.5	404.2	O K
30 min Winter	14.152	0.452	26.5	528.6	O K
60 min Winter	14.250	0.550	32.5	652.3	O K
120 min Winter	14.330	0.630	37.4	755.9	O K
180 min Winter	14.357	0.657	39.2	792.6	O K
240 min Winter	14.372	0.672	40.1	811.6	O K
360 min Winter	14.384	0.684	40.9	828.6	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	122
180 min Summer	15.449	0.0	156
240 min Summer	12.602	0.0	188
360 min Summer	9.450	0.0	254
480 min Summer	7.696	0.0	322
600 min Summer	6.559	0.0	390
720 min Summer	5.755	0.0	458
960 min Summer	4.680	0.0	594
1440 min Summer	3.493	0.0	856
2160 min Summer	2.605	0.0	1240
2880 min Summer	2.115	0.0	1616
4320 min Summer	1.575	0.0	2344
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	39
60 min Winter	32.757	0.0	66
120 min Winter	20.496	0.0	120
180 min Winter	15.449	0.0	170
240 min Winter	12.602	0.0	194
360 min Winter	9.450	0.0	270

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Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
480 min Winter	14.383	0.683	40.8	826.5	O K
600 min Winter	14.374	0.674	40.2	815.1	O K
720 min Winter	14.362	0.662	39.5	799.2	O K
960 min Winter	14.334	0.634	37.7	761.9	O K
1440 min Winter	14.277	0.577	34.2	686.7	O K
2160 min Winter	14.203	0.503	29.6	592.5	O K
2880 min Winter	14.146	0.446	26.1	520.5	O K
4320 min Winter	14.064	0.364	21.2	420.2	O K
5760 min Winter	14.010	0.310	18.0	354.4	O K
7200 min Winter	13.971	0.271	15.7	308.1	O K
8640 min Winter	13.942	0.242	14.0	273.5	O K
10080 min Winter	13.919	0.219	12.6	246.8	O K

Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)
480 min Winter	7.696	0.0	346
600 min Winter	6.559	0.0	418
720 min Winter	5.755	0.0	492
960 min Winter	4.680	0.0	632
1440 min Winter	3.493	0.0	902
2160 min Winter	2.605	0.0	1296
2880 min Winter	2.115	0.0	1676
4320 min Winter	1.575	0.0	2424
5760 min Winter	1.278	0.0	3168
7200 min Winter	1.087	0.0	3888
8640 min Winter	0.952	0.0	4592
10080 min Winter	0.851	0.0	5344

Model Details

Storage is Online Cover Level (m) 16.700

Infiltration Basin Structure

Invert Level (m) 13.700 Safety Factor 2.0
Infiltration Coefficient Base (m/hr) 0.00000 Porosity 1.00
Infiltration Coefficient Side (m/hr) 1.13400

Depth (m) Area (m²)		Depth (m) Area (m²)	
0.000	1090.0	3.000	2350.0