

Summary of Results for 30 year Return Period

Half Drain Time : 200 minutes.

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
15 min Summer	12.393	0.383	12.8	219.8	O K
30 min Summer	12.499	0.489	16.6	289.1	O K
60 min Summer	12.597	0.587	20.1	356.5	O K
120 min Summer	12.668	0.658	22.8	407.7	O K
180 min Summer	12.693	0.683	23.7	425.4	O K
240 min Summer	12.705	0.695	24.2	434.7	O K
360 min Summer	12.717	0.707	24.6	443.4	O K
480 min Summer	12.717	0.707	24.6	443.3	O K
600 min Summer	12.711	0.701	24.4	438.9	O K
720 min Summer	12.702	0.692	24.1	432.1	O K
960 min Summer	12.679	0.669	23.2	415.5	O K
1440 min Summer	12.631	0.621	21.4	380.6	O K
2160 min Summer	12.567	0.557	19.0	335.6	O K
2880 min Summer	12.516	0.506	17.2	300.6	O K
4320 min Summer	12.440	0.430	14.4	250.1	O K
5760 min Summer	12.386	0.376	12.5	215.3	O K
7200 min Summer	12.345	0.335	11.1	189.8	O K
8640 min Summer	12.314	0.304	10.0	170.8	O K
10080 min Summer	12.288	0.278	9.2	155.4	O K
15 min Winter	12.434	0.424	14.2	246.3	O K
30 min Winter	12.551	0.541	18.4	324.4	O K
60 min Winter	12.659	0.649	22.4	400.7	O K
120 min Winter	12.739	0.729	25.5	460.3	O K
180 min Winter	12.762	0.752	26.4	477.8	O K
240 min Winter	12.774	0.764	26.8	486.5	O K
360 min Winter	12.778	0.768	27.0	489.9	O K

Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)
15 min Summer	69.222	0.0	25
30 min Summer	46.566	0.0	39
60 min Summer	30.026	0.0	66
120 min Summer	18.780	0.0	120
180 min Summer	14.097	0.0	150
240 min Summer	11.441	0.0	182
360 min Summer	8.527	0.0	248
480 min Summer	6.912	0.0	318
600 min Summer	5.868	0.0	386
720 min Summer	5.132	0.0	454
960 min Summer	4.150	0.0	586
1440 min Summer	3.072	0.0	848
2160 min Summer	2.270	0.0	1228
2880 min Summer	1.830	0.0	1592
4320 min Summer	1.349	0.0	2336
5760 min Summer	1.086	0.0	3064
7200 min Summer	0.919	0.0	3816
8640 min Summer	0.801	0.0	4504
10080 min Summer	0.714	0.0	5248
15 min Winter	69.222	0.0	25
30 min Winter	46.566	0.0	38
60 min Winter	30.026	0.0	66
120 min Winter	18.780	0.0	120
180 min Winter	14.097	0.0	156
240 min Winter	11.441	0.0	190
360 min Winter	8.527	0.0	266

Summary of Results for 30 year Return Period

Storm Event	Max Level (m)	Max Depth (m)	Max Infiltration (l/s)	Max Volume (m³)	Status
480 min Winter	12.769	0.759	26.6	483.0	O K
600 min Winter	12.754	0.744	26.1	471.6	O K
720 min Winter	12.737	0.727	25.4	458.3	O K
960 min Winter	12.699	0.689	24.0	430.4	O K
1440 min Winter	12.628	0.618	21.3	378.8	O K
2160 min Winter	12.543	0.533	18.1	318.8	O K
2880 min Winter	12.478	0.468	15.8	274.9	O K
4320 min Winter	12.387	0.377	12.6	216.5	O K
5760 min Winter	12.328	0.318	10.5	179.6	O K
7200 min Winter	12.286	0.276	9.1	154.2	O K
8640 min Winter	12.255	0.245	8.0	135.8	O K
10080 min Winter	12.231	0.221	7.2	121.5	O K

Storm Event	Rain (mm/hr)	Flooded Volume (m³)	Time-Peak (mins)
480 min Winter	6.912	0.0	342
600 min Winter	5.868	0.0	414
720 min Winter	5.132	0.0	486
960 min Winter	4.150	0.0	624
1440 min Winter	3.072	0.0	892
2160 min Winter	2.270	0.0	1280
2880 min Winter	1.830	0.0	1652
4320 min Winter	1.349	0.0	2384
5760 min Winter	1.086	0.0	3120
7200 min Winter	0.919	0.0	3832
8640 min Winter	0.801	0.0	4584
10080 min Winter	0.714	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