

Section VIII: Appendix

Part G.

RAINFALL PRECIPITATION DATA

Precipitation Frequency Data: Washtenaw County, Michigan

The following table indicates the expected design precipitation for a particular duration and recurrence interval. The data was obtained from NOAA Atlas 14, Volume 8, Version 2, -- Point Precipitation Frequency Estimates for Michigan at the Ann Arbor weather station.

PDS-based precipitation frequency estimates with 90% confidence intervals (in inches)¹

DURATION	AVERAGE RECURRENCE INTERVALS (YEARS)						
	1 YR.	2 YR.	5 YR.	10 YR.	25 YR.	50 YR.	100 YR.
30 min.	0.768	0.906	1.14	1.33	1.61	1.83	2.05
1 hour	0.969	1.14	1.44	1.70	2.07	2.38	2.69
2 hours	1.17	1.38	1.75	2.07	2.54	2.92	3.33
3 hours	1.30	1.53	1.93	2.29	2.82	3.27	3.74
6 hours	1.55	1.79	2.22	2.62	3.23	3.75	4.31
12 hours	1.82	2.06	2.50	2.91	3.54	4.09	4.68
24 hours	2.09	2.35	2.83	3.26	3.93	4.50	5.11

1: Precipitation frequency (PF) estimates in this table are based on frequency analysis of partial duration series (PDS).