

Table 4

MAXIMUM 1- THROUGH 72-HOUR, 5-DAY, AND 10-DAY RAINS FROM JULY 7 THROUGH JULY 16, 2017

WATERSHED	COUNTY	RAIN GAUGE NAME AND/OR DESIGNATION	RAIN GAUGE LOCATION	RAIN GAUGE OPERATOR	GAUGE NUMBER	MAXIMUM 1-HOUR PRECIP (inches)	ESTIMATED ANNUAL PROBABILITY OF OCCURRENCE OF MAXIMUM 1-HOUR PRECIP ^a (percent)	MAXIMUM 2-HOUR PRECIP (inches)	ESTIMATED ANNUAL PROBABILITY OF OCCURRENCE OF MAXIMUM 2-HOUR PRECIP ^a (percent)	MAXIMUM 3-HOUR PRECIP (inches)	ESTIMATED ANNUAL PROBABILITY OF OCCURRENCE OF MAXIMUM 3-HOUR PRECIP ^a (percent)	MAXIMUM 6-HOUR PRECIP (inches)	ESTIMATED ANNUAL PROBABILITY OF OCCURRENCE OF MAXIMUM 6-HOUR PRECIP ^a (percent)	MAXIMUM 12-HOUR PRECIP (inches)	ESTIMATED ANNUAL PROBABILITY OF OCCURRENCE OF MAXIMUM 12-HOUR PRECIP ^a (percent)	MAXIMUM 24-HOUR PRECIP (inches)	ESTIMATED ANNUAL PROBABILITY OF OCCURRENCE OF MAXIMUM 24-HOUR PRECIP ^a (percent)	MAXIMUM 48-HOUR PRECIP (inches)	ESTIMATED ANNUAL PROBABILITY OF OCCURRENCE OF MAXIMUM 48-HOUR PRECIP ^a (percent)	MAXIMUM 72-HOUR PRECIP (inches)	ESTIMATED ANNUAL PROBABILITY OF OCCURRENCE OF MAXIMUM 72-HOUR PRECIP ^a (percent)	MAXIMUM 5-DAY PRECIP (inches)	ESTIMATED ANNUAL PROBABILITY OF OCCURRENCE OF MAXIMUM 5-DAY PRECIP ^a (percent)	MAXIMUM 10-DAY PRECIP (inches)	ESTIMATED ANNUAL PROBABILITY OF OCCURRENCE OF MAXIMUM 10-DAY PRECIP ^a (percent)	
DES PLAINES	KENOSHA	USC00476380 (PADW3)	PADDOCK LAKE-WWTP	NWS CoCoRaHS	1	--	--	--	--	--	--	--	--	--	--	6.12	0.5 to 1	6.22	1 to 2	7.67	0.5 to 1	7.77	1 to 2	8.18	2 to 4	
DES PLAINES	KENOSHA	WI-KN-1	Kenosha 2.2 SW	NWS CoCoRaHS ^b	81	--	--	--	--	--	--	--	--	--	--	2.5	50 to 100	4.01	10 to 20	4.92	4 to 10	6.51	2 to 4	6.88	4 to 10	
DES PLAINES	KENOSHA	WI-KN-11	Pleasant Prairie 3.8 NW	NWS CoCoRaHS	82	--	--	--	--	--	--	--	--	--	--	3.16	20 to 50	4.19	10 to 20	5.51	4 to 10	7.51	1 to 2	7.98	2 to 4	
DES PLAINES	KENOSHA	WI-KN-13	Paddock Lake 0.3 SSW	NWS CoCoRaHS	83	--	--	--	--	--	--	--	--	--	--	4.54	4 to 10	5.13	4 to 10	8.28	0.2 to 0.5	8.87	-0.5	9.1	1 to 2	
DES PLAINES	LAKE COUNTY, IL	Des Plaines River at Russell, IL - 05527800	--	USGS	84	1.33	20 to 50	1.79	20 to 50	2.2	20 to 50	2.92	10 to 20	4.27	2 to 4	4.34	4 to 10	4.41	4 to 10	6.51	1 to 2	6.68	2 to 4	6.94	4 to 10	
DES PLAINES/ ROOT	RACINE	USC00478723 (UGRW3)	UNION GROVE-WWTP	NWS CoCoRaHS	2	--	--	--	--	--	--	--	--	--	--	2.85	20 to 50	5.11	4 to 10	5.11	4 to 10	7.7	1 to 2	8.75	1 to 2	
DES PLAINES/ ROOT	RACINE	WI-RC-13	Union Grove 0.4 NNW	NWS CoCoRaHS	85	--	--	--	--	--	--	--	--	--	--	2.83	20 to 50	5.45	2 to 4	5.46	4 to 10	7.85	-1	--	--	
FOX	RACINE	USC00471205 (BOTW3)	BURLINGTON-WWTP	NWS CoCoRaHS	4	--	--	--	--	--	--	--	--	--	--	4.95 ^c	2 to 4 ^c	7.95	0.2 to 0.5	8.06	0.5 to 1	9.18	0.2 to 0.5	9.85	0.5 to 1	
FOX	RACINE	WBAN04866	Burlington Municipal Airport	NWS CoCoRaHS	86	2.27	-4	2.82	4 to 10	3.87	-2	4.88	1 to 2	7.33	-0.2	7.35	0.2 to 0.5	7.35	0.5 to 1	8.58	0.2 to 0.5	8.8	0.5 to 1	--	--	
FOX	RACINE	USC00477314	ROCHESTER-WWTP	NWS CoCoRaHS	87	--	--	--	--	--	--	--	--	--	--	4.38	4 to 10	7.03	0.5 to 1	7.03	1 to 2	8.83	-0.5	9.85	0.5 to 1	
FOX	WALWORTH	WI-WW-2	Lake Geneva 0.6 ENE	NWS CoCoRaHS	88	--	--	--	--	--	--	--	--	--	--	5.24	2 to 4	5.97	2 to 4	6.68	2	7.41	1 to 2	7.71	-4	
FOX	WALWORTH	USC00476420	PELL LAKE-WWTP	NWS CoCoRaHS	6	--	--	--	--	--	--	--	--	--	--	3.5	10 to 20	4.9	4 to 10	4.91	-10	5.73	4 to 10	6.19	10 to 20	
FOX	WALWORTH	WI-WW-1	East Troy 2.5 NNE	NWS CoCoRaHS	11	--	--	--	--	--	--	--	--	--	--	3.65	10 to 20	4.6	4 to 10	5.42	4 to 10	6.37	-4	--	--	
FOX	WAUKESHA	USC00478937 (WCCW3)	WAUKESHA-WWTP	NWS CoCoRaHS	7	--	--	--	--	--	--	--	--	--	--	4.16	4 to 10	4.4	-10	4.58	10 to 20	4.82	10 to 20	5.12	20 to 50	
FOX	WAUKESHA	WI-WK-4	Waukesha 2.1 SSW	NWS CoCoRaHS	89	--	--	--	--	--	--	--	--	--	--	3.05	20 to 50	3.96	10 to 20	3.96	20 to 50	4.14	20 to 50	--	--	
FOX	WAUKESHA	WI-WK-20	Mukwonago 0.5 N	NWS CoCoRaHS	90	--	--	--	--	--	--	--	--	--	--	3.13	20 to 50	3.73	20 to 50	3.8	20 to 50	4.4	20 to 50	5.63	20 to 50	
FOX	WAUKESHA	WI-WK-22	Pewaukee 3.8 WSW	NWS CoCoRaHS	91	--	--	--	--	--	--	--	--	--	--	2.97	20 to 50	4.32	10 to 20	4.32	10 to 20	4.72	10 to 20	5.37	20 to 50	
FOX	WAUKESHA	WI-WK-34	Mukwonago 5.3 W	NWS CoCoRaHS	92	--	--	--	--	--	--	--	--	--	--	4.42	4 to 10	5.27	4 to 10	7.45	1 to 2	8.3	0.5 to 1	10.3	0.5 to 1	
FOX	WAUKESHA	WI-WK-37	Waukesha 2.0 NNW	NWS CoCoRaHS	93	--	--	--	--	--	--	--	--	--	--	3.37	10 to 20	4.5	-10	4.5	10 to 20	4.84	10 to 20	5.32	20 to 50	
FOX	WAUKESHA	WI-WK-43	Waukesha 7.2 SSW	NWS CoCoRaHS	94	--	--	--	--	--	--	--	--	--	--	2.5	50 to 100	2.85	50 to 100	--	--	--	--	--	--	
FOX	WAUKESHA	WI-WK-51	Waukesha 1.6 NW	NWS CoCoRaHS	95	--	--	--	--	--	--	--	--	--	--	4.6	4 to 10	4.6	4 to 10	4.94	4 to 10	4.96	10 to 20	5.41	20 to 50	
FOX	KENOSHA	Fox River Near New Munster, WI - 05545750	--	USGS	96	2.17	4 to 10	3.59	1 to 2	4.51	0.5 to 1	5.13	1 to 2	7.82	< 0.2	7.92	< 0.2	7.94	0.2 to 0.5	8.88	0.2 to 0.5	9.13	-0.5	9.41	-1	
LAKE MICHIGAN DIRECT	KENOSHA	USC00474174 (KENW3)	KENOSHA-WWTP	NWS CoCoRaHS	24	--	--	--	--	--	--	--	--	--	--	4.43	-4	4.43	4 to 10	7.6	0.5 to 1	7.6	1 to 2	7.83	2 to 4	
LAKE MICHIGAN DIRECT	KENOSHA	WI-KN-6	Kenosha 1.7 S	NWS CoCoRaHS	97	--	--	--	--	--	--	--	--	--	--	4.6	2 to 4	4.62	4 to 10	6.19	2 to 4	7.77	1 to 2	8.05	2 to 4	
PIKE	KENOSHA	WI-KN-7	Kenosha 3.4 N	NWS CoCoRaHS	98	--	--	--	--	--	--	--	--	--	--	2.61	-50	3.79	-20	4.49	10 to 20	5.67	4 to 10	--	--	
PIKE/DES PLAINES	KENOSHA	Kenosha Regional Airport - USN0004845	City of Kenosha	NWS CoCoRaHS	56	1.14	50 to 100	1.65	20 to 50	2.07	20 to 50	2.42	20 to 50	3.54	4 to 10	3.68	-10	3.68	-20	6.1	2 to 4	6.12	-4	6.49	4 to 10	
ROCK	WAUKESHA	USC00476200 (OCOW3)	OCONOMOWOC-WWTP	NWS CoCoRaHS	60	--	--	--	--	--	--	--	--	--	--	2.77	50 to 100	3.89	20 to 50	3.89	20 to 50	4.27	20 to 50	5.1	20 to 50	
ROCK	WAUKESHA	WI-WK-26	Oconomowoc 4.5 SE	NWS CoCoRaHS	99	--	--	--	--	--	--	--	--	--	--	3.5	10 to 20	4.7	4 to 10	--	--	--	--	--	--	
ROCK	WAUKESHA	WI-WK-29	Oconomowoc 4.6 NE	NWS CoCoRaHS	100	--	--	--	--	--	--	--	--	--	--	2.9	20 to 50	2.9	50 to 100	3.36	-50	3.39	-100	4.55	50 to 100	
ROCK	WAUKESHA	WI-WK-33	Oconomowoc Lake 1.0 ESE	NWS CoCoRaHS	101	--	--	--	--	--	--	--	--	--	--	3.4	10 to 20	4.55	-10	4.55	10 to 20	4.95	10 to 20	5.85	-20	
ROCK	WAUKESHA	WI-WK-46	Oconomowoc 2.5 NW	NWS CoCoRaHS	102	--	--	--	--	--	--	--	--	--	--	3.1	20 to 50	--	--	--	--	--	--	--	--	
		MAXIMUM RAINFALL				2.27		3.59		4.51		5.13		7.82		7.92		7.94		8.88		9.18		9.41		9.85
		ESTIMATED MAXIMUM RECURRENCE INTERVAL				-25 YEARS		50 to 100 YEARS		100 to 200 YEARS		50 to 100 YEARS		>500 YEARS		>500 YEARS		200 to 500 YEARS		200 to 500 YEARS		200 to 500 YEARS		100 to 200 YEARS		100 to 200 YEARS
		PROBABILITY OF MAXIMUM RAINFALL PER NOAA ATLAS 14				-4%		1 to 2%		0.5 to 1%		1 to 2%		< 0.2%		< 0.2%		0.2 to 0.5%		0.2 to 0.5%		0.2 to 0.5%		0.5 to 1%		0.5 to 1%

NOTE: Those gauges for which 1- through 12-hour rainfall depths are not listed are read daily.

^aBased on NOAA Atlas 14, Volume 8, Version 2.0, Precipitation Frequency Data Server.

^bCoCoRaHS: Community Collaborative Rain, Hail & Snow Network.

^cThis gauge is read at 7 a.m., and the 24-hour amount read at that time is recorded as having occurred on the preceding day. The actual maximum 24-hour duration precipitation is potentially higher, up to 7.95 inches. Burlington WWTP foreman suggested on July 12th, 4 inches of rain were observed from midnight to 6am and 3.95 inches of rain were observed from 6am to 2pm, resulting in a 24-hour total of 7.95 inches with a probability of occurrence of < 0.2%.

Source: National Weather Service, U.S. Geological Survey, and SEWRPC.