

Village of Wilmette  
Storms of record 1980-2016

**Village of Wilmette Water Plant  
Storms of Record 1980-2017**

Rank	Date	Location	Inches	Minutes	Hours	Inches/hour	Storm Freq, yrs
1	8/2/2001	WTP	4.11	80	1.33	3.08	100
2	7/12/1981	SWPS	3.60	120	2.00	1.80	100
3	8/7/1989	SWPS	4.20	150	2.50	1.68	100
4	8/13/1987	SWPS	9.80	1440	24.00	0.41	100
5	<b>7/23/2016</b>	<b>SWPS</b>	<b>6.05</b>	<b>480</b>	8.00	<b>0.76</b>	100
6	9/12/2008	SWPS	6.60	1200	20.00	0.33	70
7	9/12/2008	WTP	6.29	1200	20.00	0.31	70
8	8/22/2002	WTP	3.85	210	3.50	1.10	50
9	8/22/2002	SWPS	3.80	210	3.50	1.09	50
10	8/16/1995	WTP	2.71	90	1.50	1.81	25
11	7/23/2011	SWPS	4.48	300	5.00	0.90	25
12	6/24/1994	SWPS	4.10	600	10.00	0.41	25
13	4/17/2013	WTP	5.56	1440	24.00	0.23	25
14	4/17/2013	SWPS	5.00	1440	24.00	0.21	17
15	8/14/1981	SWPS	2.30	60	1.00	2.30	15
16	8/18/1990	SWPS	2.75	120	2.00	1.38	15
17	7/23/2011	WTP	3.39	300	5.00	0.68	10
18	7/24/2010	SWPS	4.20	810	13.50	0.31	10
19	7/24/2010	WTP	3.81	810	13.50	0.28	10
20	7/10/2004	SWPS	2.41	100	1.67	1.45	10
21	7/19/1993	WTP	2.80	160	2.67	1.05	10
22	8/19/1990	WTP	3.75	720	12.00	0.31	10
23	10/25/1991	WTP	2.25	105	1.75	1.29	8
24	5/9/1990	WTP	3.80	840	14.00	0.27	8
25	6/19/2009	SWPS	3.96	1440	24.00	0.17	7
26	6/19/2009	WTP	3.93	1440	24.00	0.16	7
27	9/22/2006	SWPS	2.13	80	1.33	1.60	7
28	7/23/1997	WTP	2.42	150	2.50	0.97	7
29	6/26/2013	WTP	2.67	240	4.00	0.67	7
30	6/21/2014	SWPS	1.57	30	0.50	3.14	7
31	6/30/2014	WTP	2.85	320	5.33	0.53	6
32	5/25/1991	WTP	1.40	30	0.50	2.80	5
33	8/2/1992	WTP	1.60	40	0.67	2.40	5
34	8/23/2007	SWPS	2.71	270	4.50	0.60	5
35	6/24/1994	WTP	2.62	480	8.00	0.33	5
36	2/24/1997	WTP	3.30	1260	21.00	0.16	5
37	2/24/1997	SWPS	3.30	1260	21.00	0.16	5
38	6/26/2013	SWPS	3.32	240	4.00	0.83	5
39	7/23/2016	WTP	2.87	480	8.00	0.36	5

Village of Wilmette  
Storms of record 1980-2016

40	6/18/1993	WTP	1.53	45	0.75	2.04	4
41	8/5/1998	WTP	1.50	50	0.83	1.80	4
42	8/2/2001	SWPS	1.65	60	1.00	1.65	4
43	10/5/1991	WTP	2.54	330	5.50	0.46	4
44	5/9/1990	SWPS	2.80	720	12.00	0.23	4
45	9/8/1996	SWPS	1.89	120	2.00	0.95	3.5
46	8/11/1994	WTP	2.05	180	3.00	0.68	3.5
47	9/11/1986	SWPS	2.00	180	3.00	0.67	3.5
48	8/23/2007	WTP	2.18	270	4.50	0.48	3.50
49	10/22/1983	SWPS	2.40	420	7.00	0.34	3.5
50	11/27/1990	SWPS	2.58	690	11.50	0.22	3.5
51	7/9/2007	WTP	1.35	45	0.75	1.80	3
52	9/11/2000	WTP	1.70	80	1.33	1.28	3
53	10/17/1988	WTP	2.25	270	4.50	0.50	3
54	11/28/1990	WTP	2.40	510	8.50	0.28	3
55	6/13/1999	SWPS	1.50	90	1.50	1.00	2
56	7/10/2004	WTP	1.44	95	1.58	0.91	2
57	6/13/1999	WTP	1.50	100	1.67	0.90	2
58	9/11/2000	WTP	1.60	130	2.17	0.74	2
59	8/3/2004	SWPS	1.39	120	2.00	0.70	2
60	4/8/1999	SWPS	1.75	160	2.67	0.66	2
61	9/1/1989	SWPS	1.60	150	2.50	0.64	2
62	8/13/1985	SWPS	1.80	180	3.00	0.60	2
63	9/11/2000	SWPS	1.70	240	4.00	0.43	2
64	5/1/2003	WTP	1.85	300	5.00	0.37	2
65	5/1/2003	SWPS	1.80	300	5.00	0.36	2
66	10/17/1998	WTP	2.00	420	7.00	0.29	2
67	8/19/1991	SWPS	2.40	750	12.50	0.19	2
68	11/10/1995	SWPS	2.15	840	14.00	0.15	2
69	9/26/1996	SWPS	2.06	930	15.50	0.13	2
70	10/31/1994	WTP	2.11	1080	18.00	0.12	2
71	10/31/1994	SWPS	2.36	1320	22.00	0.11	2
72	6/21/2014	WTP	1.14	30	0.50	2.28	2
73	6/30/2014	SWPS	2.30	320	5.33	0.43	2
74	5/30/2006	SWPS	0.81	45	0.75	1.08	1
75	5/30/2006	WTP	0.72	45	0.75	0.96	1
76	8/24/2004	SWPS	1.15	75	1.25	0.92	1
77	8/5/1998	SWPS	1.12	80	1.33	0.84	1
78	6/26/1993	WTP	1.48	135	2.25	0.66	1
79	8/3/2004	WTP	1.18	120	2.00	0.59	1
80	4/8/1999	WTP	1.50	160	2.67	0.56	1
81	9/13/1993	WTP	1.50	180	3.00	0.50	1
82	8/28/2004	SWPS	1.38	180	3.00	0.46	1
83	8/7/2007	SWPS	2.10	315	5.25	0.40	1

Village of Wilmette  
Storms of record 1980-2016

84	9/23/2006	SWPS	1.31	200	3.33	0.39	1
85	6/29/1990	SWPS	1.50	240	4.00	0.38	1
86	8/28/2004	WTP	1.31	225	3.75	0.35	1
87	8/20/2007	SWPS	1.42	270	4.50	0.32	1
88	8/20/2007	WTP	1.37	270	4.50	0.30	1
89	10/17/1998	SWPS	1.90	420	7.00	0.27	1
90	8/5/2007	WTP	1.67	375	6.25	0.27	1
91	8/5/2007	SWPS	1.61	375	6.25	0.26	1
92	7/22/1982	SWPS	1.80	420	7.00	0.26	1
93	4/23/1999	WTP	1.61	420	7.00	0.23	1
94	8/19/1999	SWPS	1.38	360	6.00	0.23	1
95	5/22/1984	SWPS	1.50	420	7.00	0.21	1
96	4/15/2001	WTP	1.60	540	9.00	0.18	1
97	3/31/1993	WTP	2.20	780	13.00	0.17	1
98	8/19/2007	SWPS	2.05	840	14.00	0.15	1
99	8/19/2007	WTP	1.82	840	14.00	0.13	1
100	11/10/1995	WTP	1.80	840	14.00	0.13	1
101	11/1/1992	WTP	1.80	870	14.50	0.12	1
102	4/20/2000	SWPS	1.52	780	13.00	0.12	1
103	9/26/1996	WTP	1.65	930	15.50	0.11	1
104	10/8/1990	WTP	1.60	1140	19.00	0.08	1
105	3/31/1993	SWPS	1.50	1080	18.00	0.08	1
106	5/9/1996	WTP	1.80	1440	24.00	0.08	1
107	11/4/1990	SWPS	1.60	1680	28.00	0.06	1
108	5/9/1996	SWPS	1.30	1440	24.00	0.05	1
109	6/29/2017	SWPS	1.81	120	2.00	0.91	2
110	7/11/2017	SWPS	2.85	720	12.00	0.24	3
111	10/14/2017	SWPS	4.20	1260	21.00	0.20	7
112					0.00	#DIV/0!	

Storm Frequency based on "Rainfall Intensity vs. Duration Chart"  
from the US Dept of Commerce, Technical Paper 25 for Chicago, IL 1905-12 and 1926-51

Nabil Quafisheh  
Director of Water Management