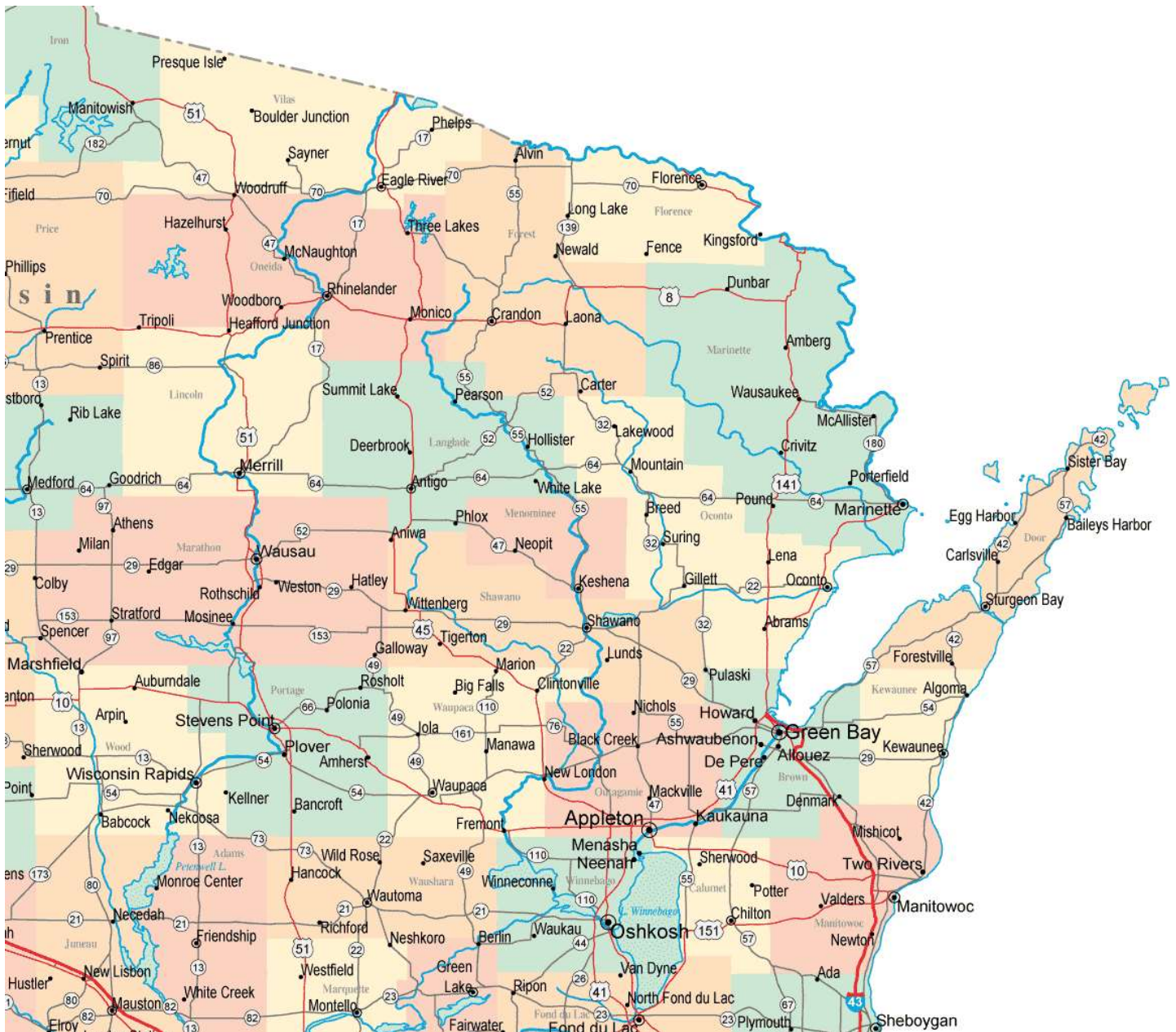


2024

TORNADO / WATERSPOUT GUIDE

NORTH CENTRAL / NORTHEAST WISCONSIN

Updated: 11/1/23



2024

TORNADO / WATERSPOUT GUIDE

NORTH CENTRAL / NORTHEAST WISCONSIN

BROWN

MENOMINEE

CALUMET

OCONTO

DOOR

ONEIDA

FOREST

OUTAGAMIE

FLORENCE

PORTAGE

KEWAUNEE

SHAWANO

LANGLADE

VILAS

LINCOLN

WAUPACA

MANITOWOC

WAUSHARA

MARATHON

WINNEBAGO

MARINETTE

WOOD

TABLE OF CONTENTS

Tornadoes in Chronological Order	Pages
Tornadoes in Chronological Order (ALL)	6-85

Tornadoes by Decade	Pages
Tornado Summaries – 1950s	16-19
Tornado Summaries – 1960s	19-24
Tornado Summaries – 1970s	25-32
Tornado Summaries – 1980s	32-39
Tornado Summaries – 1990s	39-50
Tornado Summaries – 2000s	50-62
Tornado Summaries – 2010s	62-81
Tornado Summaries – 2020s	81-85

Tornadoes by F/EF Scale	Pages
EF5 Tornadoes	86
EF4 Tornadoes	87-90
EF3 Tornadoes	91-101
EF2 Tornadoes	102-115
EF1 Tornadoes	116-145
EF0 Tornadoes	146-169

Tornadoes by Category	Pages
Waterspouts	170-173
Killer Tornadoes	174-177
Morning Tornadoes (Midnight to Noon LST)	178-185
Earliest Tornadoes in a Calendar Year	186
Latest Tornadoes in a Calendar Year	187

All information was taken from the local storm data publication from NCDC from 1959 to present. Local newspaper accounts were also included in the tornado write ups. All times are set to local standard time to avoid confusion when daylight savings time was in effect.

TABLE OF CONTENTS

Largest Tornadoes Outbreaks	Pages
Entire Year	188
January - April	189
May - June	190
July - August	191
September - December	192

Tornadoes by Month	Pages
January	193
February	193
March	194
April	195-205
May	206-214
June	215-238
July	239-257
August	258-273
September	274-277
October	278
November	279
December	280

All information was taken from the local storm data publication from NCDC from 1959 to present. Local newspaper accounts were also included in the tornado write ups. All times are set to local standard time to avoid confusion when daylight savings time was in effect.

TABLE OF CONTENTS

Tornadoes by County	Pages	Tornadoes by County	Pages
Brown	281-287	Menominee	334
Calumet	288-293	Oconto	335-337
Door	294-300	Oneida	338-341
Florence	301	Outagamie	342-351
Forest	302-303	Portage	352-355
Kewaunee	304-306	Shawano	356-361
Langlade	307-309	Vilas	362-365
Lincoln	310-315	Waupaca	366-373
Manitowoc	316-319	Waushara	374-379
Marathon	320-329	Winnebago	380-386
Marinette	330-333	Wood	387-390

All information was taken from the local storm data publication from NCDC from 1959 to present. Local newspaper accounts were also included in the tornado write ups. All times are set to local standard time to avoid confusion when daylight savings time was in effect.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event	F	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
1	4	6	25	1950	21:00	1 W Woodboro - 5 NE Rhinelander	Oneida
2	2	6	25	1950	21:00	3 W Colby - 3 NE Abbotsford	Marathon
3	3	9	18	1950	14:30	2 N Waupaca - Weyauwega	Waupaca
4	4	9	26	1951	15:45-16:08	9 SSW Amherst - 2 SW Bear Creek	Portage, Waupaca
5	1	6	20	1953	18:00	Three Lakes	Oneida
6	2	4	15	1954	15:00	2 NE Neshkoro - Redgranite	Marquette, Waushara
7	2	6	20	1954	02:30-0240	Rothschild - 6 NE Mosinee	Marathon
8	2	6	20	1954	04:00	Brothertown	Calumet
9	1	5	3	1955	18:00	Irma	Lincoln
10	1	5	28	1955	15:05	3 W Clintonville	Waupaca
11	2	4	3	1956	12:50	3 S Bancroft - 2 NW Amherst	Portage
12	4	4	3	1956	13:45-13:53	Berlin - 2 W Omro	Waushara, Winnebago
13	2	4	6	1956	13:45-13:53	Ogdensburg - Symco	Waupaca
14	2	7	1	1956	12:05	5 E of Maplewood - 4 SE Institute	Door
15	2	4	19	1957	16:00-16:15	3 W Wautoma - 2 NW West Bloomfield	Waushara
16	1	4	19	1957	16:00	Coddington - Bancroft	Portage
17	1	6	14	1957	17:30	Florence	Florence
18	1	7	11	1957	13:45	4 SW Denmark	Brown
19	1	7	11	1957	14:00	2.5 SE Whitelaw	Manitowoc
20	2	5	17	1958	15:40	3 W - 2NE Wausaukee	Marinette
21	3	6	4	1958	19:30-20:06	6 SE Chippewa Falls - 2 NW Athens	Marathon
22	2	6	30	1958	17:30	1 NW Gleason	Lincoln
23	1	8	30	1958	15:26	6 SE Wausaukee	Marinette
24	1	5	4	1959	10:30	Wausau	Marathon
25	1	5	4	1959	11:45	Deerbrook	Langlade
26	2	5	6	1959	03:20	Symco - 3 SE Clintonville	Outagamie, Waupaca
27	2	5	6	1959	13:30	3 NE Shiocton	Outagamie
28	2	5	10	1959	20:50-20:55	Green Bay	Brown
29	1	5	28	1959	15:15	6 N - 9 NE Oshkosh	Winnebago
30	1	5	28	1959	15:38	1 SW Greenleaf	Brown
31	0	5	28	1959	15:30	6 SW De Pere	Brown
32	1	6	10	1959	13:20	De Pere	Brown
33	2	7	8	1959	16:54	Niagara	Marinette
34	2	8	28	1959	14:04	3 N Appleton	Outagamie
35	1	4	24	1960	16:00	7 SW Valders	Manitowoc
36	1	5	21	1960	17:30	15 W Oshkosh	Winnebago
37	2	11	15	1960	14:25	2 NE Chili to near Rib Mountain	Marathon
38	2	9	3	1961	00:10	Fenwood	Marathon
39	1	9	3	1961	01:00	Athens	Marathon
40	1	9	3	1961	17:00	12 W Merrill	Lincoln
41	1	6	23	1962	16:30-16:35	2 W Champion	Brown
42	0	6	23	1962	19:00	15 E Stevens Point	Portage
43	2	7	24	1962	17:00	Corning	Lincoln
44	1	9	19	1963	18:00	Laona	Forest
45	1	5	4	1964	18:00-18:10	10 SW St. Germain - St. Germain	Oneida

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event	F	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
46	2	5	7	1964	18:00	Wisconsin Rapids	Wood
47	2	5	8	1964	17:00	5 N Iola - 1 W Clintonville	Waupaca
48	2	5	8	1964	17:50	7 ESE Knowlton - 5 W Elderon	Marathon
49	2	5	8	1964	18:30-19:06	Winneconne - Wrightstown	Brown, Calumet, Winnebago, Outagamie
50	0	5	30	1964	13:28	Green Bay - Bellevue	Brown
51	1	6	9	1964	14:55	Belle Plaine	Shawano
52	2	6	9	1964	15:00	Pound	Marinette
53	2	8	22	1964	14:00	6 W Bancroft - Grant	Portage
54	2	7	8	1965	17:00	1 W - 1 N Sherwood	Calumet
55	2	6	4	1966	19:00	Gillett - 2 NE Oconto Falls	Oconto
56	2	6	4	1966	19:00	Suring	Oconto
57	1	7	10	1966	22:00	Plainfield - Wautoma	Waushara
58	0	7	25	1966	18:20	0.5 E Maplewood	Door
59	2	3	31	1967	23:49	Marshfield	Wood
60	2	6	30	1967	23:49-23:59	Chilton - 7 E Chilton	Calumet, Manitowoc
61	1	7	1	1967	00:45	3 E Kiel	Manitowoc
62	1	7	2	1967	14:00	Brillion	Calumet
63	2	7	22	1967	23:00-23:18	2S Loyal - 5 E Marshfield	Wood
64	2	6	30	1968	04:00	3 NW Cavour	Forest
65	1	6	30	1968	04:45	3 S Pembine	Marinette
66	1	8	5	1968	14:00	3 NW Seymour	Outagamie
67	2	8	16	1968	12:30	Kaukauna	Outagamie
68	2	8	16	1968	21:20	5 SE Hofa Park - 4 S Pulaski	Brown
69	4	8	19	1968	16:10	3 SW Pound - Marinette	Marinette
70	2	8	19	1968	17:30	4 W Fenwood - 11 E Fenwood	Marathon
71	3	6	26	1969	11:15-11:30	Black Creek - 8 W Sobieski	Outagamie, Shawano, Oconto
72	1	6	26	1969	16:30	2 W Manitowish Waters - 3 SW Presque Is.	Vilas
73	2	6	26	1969	17:00	Lac Du Flambeau - 9 NW Land O Lakes	Vilas
74	1	6	26	1969	17:00	Skanawank - Pelican Lake	Lincoln
75	0	7	2	1969	16:00	Symco	Waupaca
76	1	7	2	1969	16:20	3 SW Luxemburg - Ellisville	Kewaunee
77	2	4	22	1970	20:40	Ashwaubenon to Green Bay - north side	Brown
78	2	4	22	1970	21:00	De Pere - Green Bay	Brown
79	2	4	22	1970	21:00-21:10	1 N Casco - Rio Creek	Door, Kewaunee
80	2	4	22	1970	21:20-21:30	7 SE Maplewood	Door
81	2	4	22	1970	21:20	Algoma - 6 NE Algoma (waterspout)	Kewaunee
82	1	4	22	1970	21:10	2 NE Poland - 4 SE Luxemburg	Brown, Kewaunee
83	0	5	21	1970	20:10	Green Bay - north side	Brown
84	0	6	17	1970	18:35	3 S Wisconsin Rapids	Wood
85	2	7	7	1970	15:00	Bancroft	Portage
86	1	7	7	1970	19:00	Winchester - Boulder Junction - Conover	Vilas
87	1	7	14	1970	12:30	Marion	Waupaca
88	1	7	14	1970	14:00	McAllister	Marinette
89	1	7	30	1970	12:05	4 W Suamico	Brown
90	1	12	1	1970	07:00	Hull	Portage

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event	F	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
91	2	12	1	1970	09:00	12 SE Marshfield	Wood
92	2	12	1	1970	09:45-10:30	4 NW Iola - Pella	Shawano, Waupaca
93	3	12	1	1970	10:10-10:45	near Medina - Rose Lawn	Outagamie, Shawano
94	0	4	22	1971	17:30	4 SW Hilbert	Calumet
95	1	5	18	1971	16:40-17:04	Adams-Friendship - Hancock	Waushara
96	1	6	6	1971	23:15	5 SW Oshkosh	Winnebago
97	1	6	13	1971	16:30	8 NW Oshkosh	Winnebago
98	1	6	18	1971	13:45	5 W Marinette	Marinette
99	1	7	8	1971	02:00	Wisconsin Rapids	Wood
100	0	7	30	1971	07:00	4 E Oshkosh (waterspout)	Winnebago
101	3	9	28	1971	14:00-16:05	23 NE Eau Claire - Athens	Marathon
102	3	9	28	1971	16:00-17:20	3 NE Brokaw - Middle Inlet	Marathon, Langlade, Oconto, Marinette
103	2	9	28	1971	14:15-16:05	19 SW Merrill - Merrill	Lincoln
104	1	8	21	1972	15:10	Goodwin - Two Rivers	Manitowoc
105	2	9	16	1972	16:05	4 NW Wabeno - 2 N McAllister	Forest, Marinette
106	1	3	11	1973	10:30	2 E Calumetville	Calumet
107	1	5	9	1973	15:50	2 N Reedsville	Manitowoc
108	1	6	3	1973	18:15	2 NE Amberg	Marinette
109	1	6	18	1973	11:00	2 W Athens	Marathon
110	1	7	12	1973	03:00	Boulder Junction - Sayner	Vilas
111	1	7	12	1973	07:30	Jacksonport	Door
112	1	7	12	1973	08:00	4 W Freedom	Outagamie
113	2	4	12	1974	14:05	5 W Athens	Marathon
114	2	4	12	1974	14:15	Wittenberg - Bowler	Shawano
115	4	4	21	1974	14:40-15:08	5 S Ripon - Oshkosh	Winnebago
116	2	4	21	1974	15:25	4 NNW Crivitz	Marinette
117	1	6	9	1974	14:45	Bancroft	Portage
118	1	6	14	1974	16:10	5 NW Gillett	Oconto
119	2	6	12	1976	20:30	1 W Alban	Portage
120	1	6	12	1976	21:00	Amherst	Portage
121	1	6	13	1976	18:40-19:20	4 Wisc. Rapids - 3 NE Stevens Point	Portage
122	2	6	13	1976	19:00	Plover	Portage
123	1	6	13	1976	20:00-20:10	2 W Hogarty - Elton	Langlade, Marathon, Lincoln
124	1	6	13	1976	20:00	5 E Seymour	Outagamie
125	1	6	13	1976	20:15	Oconto Falls	Oconto
126	1	6	13	1976	20:45	9 E Merrill - 11 NW Antigo	Langlade, Lincoln
127	1	7	30	1977	22:45	0.5 N Forest Junction - 3 W Denmark	Brown
128	3	8	31	1977	18:15	1 SW Stratford - Wausau	Marathon
129	1	5	8	1978	16:50-17:00	1.5 SW - 2.5 SE Luxemburg	Kewaunee
130	2	6	7	1978	15:15	2 NW Francis Creek	Manitowoc
131	2	6	16	1979	09:30	Oconto Falls - 2 NE Lena	Oconto
132	1	6	16	1979	15:30-15:45	2 N - 2 NE Irma	Lincoln
133	1	6	20	1979	13:45	3 S Oshkosh	Winnebago
134	1	6	20	1979	14:30	Goodman	Marinette
135	1	8	4	1979	10:00	Manitowoc	Manitowoc

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event #	F Rank	Date			Time (CST)	Direction / Location	TOR in GRB Service Area County or Counties
		Month	Day	Year			
136	2	8	9	1979	18:20	Rockland Beach	Calumet
137	1	8	9	1979	18:56	Green Bay - northeast	Brown
138	1	5	30	1980	14:30	4 S Shawano	Shawano
139	1	5	30	1980	15:20	Oconto	Oconto
140	1	5	30	1980	16:05-16:14	Black Creek	Outagamie
141	2	6	7	1980	00:20	Valders	Manitowoc
142	1	6	14	1980	12:30	5 NW Manawa - Manawa	Waupaca
143	1	6	14	1980	13:25	1 E Rhinelander - Lake Thompson	Oneida
144	0	6	14	1980	14:22	5 N Rhinelander	Oneida
145	1	7	5	1980	00:30	Valders	Manitowoc
146	1	9	20	1980	23:15	Mattoon	Shawano
147	2	4	4	1981	00:35	4 W Kiel	Calumet
148	1	6	13	1981	20:40	1 N Hazelhurst	Oneida
149	1	6	13	1981	20:45	Sayner - 3 NE Sayner	Vilas
150	2	6	13	1981	21:00	Three Lakes	Oneida
151	1	3	30	1982	14:05-14:40	Armenia - 3 SW Stevens Point	Portage, Wood
152	2	5	6	1982	14:30	2 S Stephenville - 1 S Black Creek	Outagamie
153	1	7	15	1982	19:15	Mayflower Lake	Marathon
154	1	7	3	1983	04:39	Eagle River	Vilas
155	2	7	3	1983	17:35	6 W Unity - Cherokee	Marathon
156	1	7	3	1983	19:00	Birnamwood	Shawano
157	0	7	3	1983	19:11	5 NE Nekoosa	Wood
158	1	7	19	1983	19:25	Stockbridge Harbor	Calumet
159	0	4	27	1984	04:05	Saratoga	Wood
160	2	4	27	1984	14:50	4 NW Antigo	Langlade
161	3	4	27	1984	14:37-15:07	Fawn Lake - Star Lake	Oneida, Vilas
162	3	4	27	1984	14:55-15:40	Union (Waupaca Co) - Legend Lake	Menominee, Shawano, Waupaca
163	4	4	27	1984	15:20-15:40	1 NE Winneconne - Freedom	Winnebago, Outagamie
164	2	4	27	1984	14:15	0.5 S Plover	Portage
165	1	6	26	1984	16:55	13 N Wausau - Texas	Marathon
166	1	6	26	1984	19:00	Caroline	Shawano
167	0	7	14	1984	20:35	1 SE Peshtigo	Marinette
168	0	7	26	1984	13:00-13:10	5 E Oshkosh (waterspout)	Winnebago
169	2	9	24	1984	16:50	13.5 WSW Wausau - Wausau	Marathon
170	3	6	8	1985	18:15-18:52	Park Falls - 3 SE Monico	Oneida
171	2	6	8	1985	20:00-20:30	Sand Bay - Sturgeon Bay	Door
172	0	7	4	1985	17:03-17:17	1 N Redgranite - 1 SW Pine River	Waushara
173	2	8	12	1985	18:13-18:30	6 S Marshfield - Auburndale	Wood
174	0	8	12	1985	19:30-19:45	1 N Richford	Waushara
175	3	7	4	1986	19:00-19:25	2 S Niagara - Carney/Nadeau, MI	Marinette
176	2	7	4	1986	19:35-19:40	5 SE Hazelhurst	Oneida
177	1	7	24	1986	14:15	Saint Germain	Vilas
178	1	7	2	1987	17:10-17:15	Pike Lake	Marathon
179	1	7	12	1987	11:27-11:30	1 S Francis Creek	Manitowoc
180	1	8	14	1987	17:40-17:43	1 W Menasha	Winnebago

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event	F	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
181	2	5	8	1988	17:10	4.5 SW Hadler - Rib Falls	Marathon
182	1	5	8	1988	17:06-17:12	2 SE Wautoma - 1 S Mount Morris	Waushara
183	0	5	8	1988	17:12	3 W Keene	Portage
184	1	7	29	1988	20:30	Eagle River	Vilas
185	1	8	1	1988	18:52	1 W Saint Germain	Vilas
186	0	8	1	1988	18:20	3 S Hazelhurst	Oneida
187	0	8	1	1988	19:22	2 SE Eagle River	Vilas
188	1	8	4	1988	14:35-14:45	1 E Reedsville - 2 N Cato	Manitowoc
189	0	9	19	1988	16:05	1 E Plainfield	Waushara
190	0	9	19	1988	16:37	1 W Edgar	Marathon
191	1	5	24	1989	20:10-20:15	3 S Oshkosh	Winnebago
192	1	5	24	1989	21:05	4 WNW Chilton	Calumet
193	0	5	24	1989	21:15	1 E Cooperstown	Manitowoc
194	1	6	12	1990	18:35	2 W Stratford	Marathon
195	1	6	14	1991	11:55	8 WNW Merrill	Lincoln
196	2	6	27	1991	18:20-18:30	12 WSW Minocqua - Marian Lake	Oneida
197	0	7	28	1991	10:15	Near Rock Island (waterspout)	Door
198	0	7	28	1991	10:15	Near Washington Island (waterspout)	Door
199	0	9	14	1991	18:00	2 W Green Valley	Shawano
200	1	4	20	1992	16:00-16:20	2 SW Arpin - Bakerville	Wood
201	1	5	16	1992	14:30	5 N Junction City	Portage
202	2	5	16	1992	18:10-18:30	4 W Keene - 5 SE Amherst	Portage
203	1	5	16	1992	18:30	2.5 NE Northland	Waupaca
204	1	5	16	1992	19:20-19:30	Kaukauna - 2 SW Wrightstown	Outagamie, Brown
205	0	6	17	1992	12:55	2 NE Denmark	Brown
206	1	7	19	1992	15:54	2 WSW Stratford	Marathon
207	3	8	29	1992	19:10-19:55	1 N Wautoma - 3 SE Poysippi	Waushara
208	1	10	8	1992	16:48	5 NE Wild Rose	Waushara
209	1	10	8	1992	17:12	4 NE Blaine	Portage
210	0	6	8	1993	18:38	2.5 S Spring Lake - 2 W Auroraville	Waushara
211	0	6	8	1993	19:15	0.5 E Dakota - 2 S Redgranite	Waushara
212	0	6	8	1993	19:35-19:45	5 SE Redgranite - 3 SE Auroraville	Waushara
213	0	6	8	1993	17:35	1 E Pickett	Winnebago
214	0	8	9	1993	20:15	1 N Tripoli	Oneida
215	0	4	24	1994	15:25	3 S Luxemburg	Kewaunee
216	1	4	26	1994	14:55-15:05	1.5 N Conover - 3 SE Land O'Lakes	Vilas
217	2	5	30	1994	20:50-21:16	2 SW Crandon - 1 N Laona	Forest
218	0	7	4	1994	16:49	4 W Fremont	Waupaca
219	4	7	5	1994	15:43-15:55	2.5 NW Maribel - 0.5 W Cooperstown	Manitowoc
220	2	7	5	1994	15:53	2 SW Cooperstown	Manitowoc
221	1	7	8	1994	14:00	3 NW Elderon	Marathon
222	1	7	8	1994	14:16	3 SE Aniwa	Shawano
223	1	8	27	1994	21:07	Hancock	Waushara
224	1	8	27	1994	21:41-21:50	1.5 S Wausaukee - 3 SE Wausaukee	Marinette
225	0	6	29	1995	11:05	10 SW Kewaunee	Kewaunee

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event	F	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
226	1	7	14	1995	16:40-16:47	Phelps	Vilas
227	0	4	25	1996	17:55-17:57	2 W Pensaukee	Oconto
228	0	6	11	1996	16:08-16:09	5 NW Chilton	Calumet
229	1	7	18	1996	16:20-16:30	1.5 SW - 3 SSE Tomahawk	Lincoln
230	0	7	18	1996	17:45	5 NE Oshkosh (waterspout)	Winnebago
231	1	7	18	1996	18:05-18:07	1.1 S - 1.6 SE Jericho	Calumet
232	0	7	18	1996	18:10	5.9 S Chilton	Calumet
233	0	7	18	1996	18:15-18:16	2.2 WNW - 1.8 W St Anna	Calumet
234	2	8	7	1996	01:45-01:49	6.5 N Stratford - 2.5 NNW Fernwood	Marathon
235	1	8	7	1996	01:46-01:47	1 N - 1.2 NE Stratford	Marathon
236	1	8	7	1996	02:19-02:21	0.4 SW Shantytown - Shantytown	Marathon
237	2	7	16	1997	14:38-14:40	11.5 ESE - 12 SE Merrill	Lincoln
238	2	7	16	1997	14:40-14:45	8.5 NNE - 6.9 NE Nutterville	Marathon
239	0	7	16	1997	15:00-15:01	4 SW - 4.2 SW Hogarty	Marathon
240	0	7	16	1997	15:00	3 N Sunset	Marathon
241	1	7	16	1997	15:09-15:11	2 NE - 1.8 NE Ringle	Marathon
242	0	7	16	1997	15:20-15:22	2 N - 1.8 N Elderon	Marathon
243	0	7	16	1997	16:41-16:42	Hancock	Wausara
244	0	3	29	1998	19:28-19:35	3 W - 3 N Tomahawk	Lincoln
245	0	5	31	1998	00:20-00:21	4 WSW Mosinee	Marathon
246	1	5	31	1998	01:20-01:24	0.5 N Stockbridge - 2 NE Stockbridge	Calumet
247	0	6	16	1998	15:00	3 WNW Coloma	Wausara
248	0	8	23	1998	15:22	Menasha	Winnebago
249	3	8	23	1998	17:30-17:44	3 SW Egg Harbor - 5 SE Egg Harbor	Door
250	0	5	5	1999	16:30-16:31	1 WNW Tomahawk	Lincoln
251	0	8	3	1999	17:45	3 W Pittsville	Wood
252	0	8	4	1999	16:05-16:15	21 ESE Sturgeon Bay (waterspout)	Door
253	0	9	9	1999	14:55	3 N Sister Bay (waterspout)	Door
254	0	9	19	1999	16:46-17:10	8 SE Sturgeon Bay (waterspout)	Door
255	0	5	12	2000	10:43	5 WNW St. Nazianz	Manitowoc
256	0	7	13	2000	14:55	1.5 NE Forestville	Door
257	0	7	20	2000	12:58	2 W Sister Bay (waterspout)	Door
258	0	7	27	2000	19:07-19:10	1.5 W - 1.1 WSW Harmony	Marinette
259	0	7	27	2000	19:30	1.7 W Peshtigo	Marinette
260	0	8	14	2000	19:10	Lake Tomahawk	Oneida
261	0	4	23	2001	13:26-13:46	12 NW - 9 NW Sturgeon Bay (waterspout)	Door
262	1	5	1	2001	20:55-21:00	0.4 NNE - NE Minocqua	Oneida
263	0	9	6	2001	18:09-18:14	0.3 SSW - 1.3 NNE Pelican Lake	Oneida
264	0	4	18	2002	15:49	2 W Bradley	Lincoln
265	0	4	18	2002	15:57	6 SW Woodboro	Oneida
266	0	4	18	2002	16:33	4 E Rhinelander	Oneida
267	1	4	18	2002	18:13-18:27	3 SE Stratford - 6 NW Mosinee	Marathon
268	0	4	18	2002	18:32	6 SSW Wausau Airport	Marathon
269	0	5	6	2002	16:30-16:40	5 NW - 2.5 N Winneconne	Winnebago
270	0	5	6	2002	17:02	8 N Oshkosh - Wittman Field	Winnebago

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event	F	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
271	0	7	30	2002	17:47-17:50	10.5 - 9.5 NW Merrill	Lincoln
272	0	7	30	2002	18:08-18:28	5 N - 9.5 NE Merrill	Lincoln
273	0	7	30	2002	18:22	3 W - 0.8 W Central Wisconsin Airport	Marathon
274	0	7	30	2002	18:25	8.5 NE Merrill	Lincoln
275	0	9	2	2002	17:04-17:06	5.2 W - 5 W Athens	Marathon
276	1	9	2	2002	17:35-17:43	6 NW Wausau - 4 NE Wausau	Marathon
277	1	9	30	2002	18:10-18:11	5.5 SSE - 5.5 SE Spread Eagle	Florence
278	2	9	30	2002	18:30-18:35	8 W - 4.5 WNW Tomahawk	Lincoln
279	0	6	8	2003	11:40	4 W Oshkosh - Wittman Field	Winnebago
280	0	6	8	2003	12:20-12:26	5 E - 5.5 ESE Oshkosh Wittman Field (waterspout)	Winnebago
281	0	6	8	2003	12:42-12:46	4.3 W - 4.1 WSW Brothertown (waterspout)	Winnebago
282	0	6	8	2003	12:59-13:02	4 S - 4.1 S Marshfield Airport	Wood
283	1	8	3	2003	13:59-14:03	0.3 W - 0.2 ENE Potter	Calumet
284	0	5	23	2004	05:47	2.7 E Reedsville	Manitowoc
285	1	6	23	2004	18:46-18:48	3 NNW Almond - 3 NNE Almond	Portage
286	0	6	23	2004	18:47	Whiting	Portage
287	1	6	23	2004	18:53-18:56	3 SE Blaine - 5 ESE Blaine	Portage
288	2	6	23	2004	18:56-19:06	9 W Waupaca to 2 SW Lind Center	Waupaca
289	1	6	23	2004	20:00-20:08	Little Chute - Kaukauna	Outagamie
290	0	6	23	2004	20:27	Green Bay - northwest	Brown
291	0	7	11	2004	14:42-14:45	8 SW Harshaw	Oneida
292	0	7	11	2004	15:43	1 W Goodnow	Oneida
293	0	7	11	2004	15:45	Irma	Lincoln
294	0	7	11	2004	16:13	6 W Tomahawk	Lincoln
295	0	7	11	2004	16:13	6 W Tomahawk	Lincoln
296	0	7	11	2004	16:40	4 W Tomahawk	Lincoln
297	1	7	13	2004	14:40-14:52	1.4 NW Clark Mills - 2.8 SE Clark Mills	Manitowoc
298	0	5	6	2005	15:24-15:25	7 ESE - 7.8 ESE Oshkosh Wittman Field	Winnebago
299	0	5	6	2005	15:25-15:29	5 WSW - 3.7 SW Brothertown	Calumet
300	0	6	4	2005	13:54	1 E - 1.1 ENE Auroraville	Waushara
301	0	6	4	2005	14:05	2 NW Borth	Waushara
302	0	6	4	2005	15:27	4 W - 4.5 WNW Edgar	Marathon
303	0	6	4	2005	15:39-15:42	1 W - 1.5 NW Athens	Marathon
304	0	6	4	2005	17:06	4 S Athens	Marathon
305	0	6	4	2005	17:20	3 W Marathon	Marathon
306	0	6	4	2005	17:30	5 E Kewaunee (waterspout)	Kewaunee
307	0	6	4	2005	19:18	7 S Hogarty	Marathon
308	0	6	9	2005	17:40-17:50	5 SE - 5 E Oshkosh	Winnebago
309	0	6	9	2005	18:14	4 NW Stockbridge	Calumet
310	0	6	10	2005	13:03	4 W Mosinee	Marathon
311	0	6	10	2005	15:05	1 N Winneconne	Winnebago
312	0	6	10	2005	15:10	2 W Clintonville	Waupaca
313	0	6	10	2005	19:10	4 ESE Oshkosh	Winnebago
314	0	6	10	2005	19:22	3 E Oshkosh	Winnebago
315	0	6	10	2005	19:48	3 E Oshkosh	Winnebago

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
316	0	6	13	2005	14:49-14:50	4.1 NNE - 4 NNE Black Creek	Outagamie
317	0	8	18	2005	17:32	6 WSW - 3.7 SW Wautoma	Waushara
318	0	8	18	2005	18:38-18:41	4 SSW - 3.4 SW New London	Waupaca
319	0	8	18	2005	18:40-18:48	4.5 W - 2.6 NW Neenah	Winnebago
320	1	8	18	2005	19:45-19:49	6 ENE - 6.8 ENE Wrightstown	Brown
321	1	8	18	2005	20:35	6.5 SSW - 5.7 S Manitowoc	Manitowoc
322	0	9	13	2005	17:09-17:12	De Pere - Allouez	Brown
323	0	6	18	2006	16:43	3 NW Sister Bay (waterspout)	Door
324	0	6	24	2006	16:14-16:15	4 W Sherwood	Calumet
325	0	9	29	2006	09:20-09:55	Chambers Is. - 12 SE Cedar River (waterspout)	Door
326	0	6	3	2007	18:11	1.6 ESE Shawano	Shawano
327	2	6	7	2007	15:01-15:14	1.4 W Peplin - 0.9 N Pike Lake	Marathon
328	0	6	7	2007	15:26	2.2 W - 2.1 W Wisconsin Rapids Airport	Wood
329	3	6	7	2007	15:31-16:18	2 ENE Mattoon - 9.5 ENE Lakewood	Shawano, Langlade, Oconto
330	1	6	7	2007	16:37-16:40	0.5 W - 2.5 ENE Cedarville	Marinette
331	1	6	7	2007	17:16-17:20	3.5 W Harmony to 1.2 N Harmony	Marinette
332	0	6	20	2007	16:06	6 NW Ellison Bay (waterspout)	Door
333	0	5	25	2008	20:00-20:01	3 ENE Knowlton	Marathon
334	1	7	19	2008	21:44-21:45	3.8 WNW - 3.4 WNW Menasha	Winnebago
335	0	7	29	2008	15:27	3.6 NW Granite Heights	Marathon
336	0	7	29	2008	15:59-16:00	6.3 NNW Kalinke	Marathon
337	0	7	29	2008	17:44-17:49	4.2 SE Nasonville - 4.7 WNW Bethel	Wood
338	1	5	4	2010	18:10-18:12	2.7 SE Zittau - 2.7 W Winchester	Winnebago
339	0	5	4	2010	18:13-18:17	2.2 SW Winchester - 0.8 NNW Larsen	Winnebago
340	0	7	14	2010	16:18-16:19	2.5 WSW Veedum - 2.2 WSW Veedum	Wood
341	1	8	20	2010	15:20-15:22	2 SE- 2.7 ESE Greenleaf	Brown
342	3	4	10	2011	17:08-17:41	2 N Hamburg - 1 SW Bloomville	Marathon, Lincoln
343	1	4	10	2011	17:35-17:42	2 NW Coloma - 4 ESE Hancock	Waushara
344	1	4	10	2011	17:50-17:58	5 S Parrish	Langlade
345	1	4	10	2011	18:06-18:43	1 SW Saxeville - 1 SE Hortonville	Waushara, Waupaca, Outagamie
346	2	4	10	2011	18:30-18:46	3 SE Argonne - 6 SE Long Lake	Forest, Florence
347	1	4	10	2011	18:53-19:04	0.3 NW Poy Sippi - 2.3 WSW Winchester	Waushara, Winnebago
348	1	4	10	2011	19:03-19:08	4.2 WNW - 3.2 N Armstrong Creek	Forest
349	2	4	10	2011	19:43-19:46	1.2 SW Kaukauna - 0.3 S Little Chute	Outagamie
350	1	4	10	2011	19:53-19:55	1.2 NNE Askeaton - 1.4 S Greenleaf	Brown
351	1	4	10	2011	19:59-20:01	1.6 NW Quinney - 1.5 SSE Stockbridge	Calumet
352	0	5	22	2011	18:05	5 NE Algoma (waterspout)	Kewaunee
353	1	5	22	2011	17:03-17:20	5.5 SSE Cranmoor - 4.8 SE Arnott	Wood, Portage
354	1	8	19	2011	15:45-15:56	2.9 NW - 5.2 ESE Wausaukee	Marinette
355	0	8	23	2011	16:58	0.3 NW Arpin	Wood
356	0	8	23	2011	17:56-17:57	0.9 - 1.1 SE Briarton	Shawano
357	0	8	23	2011	20:05-20:06	0.8 ENE - 1.3 E Sherwood	Calumet
358	0	5	24	2012	18:01-18:07	3.7 SSE - 4.8 ENE Marathon	Marathon
359	0	8	9	2012	12:10-12:20	6 S Kewaunee (waterspout)	Kewaunee
360	0	8	9	2012	12:25-12:35	6 S Kewaunee (waterspout)	Kewaunee

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event	EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
361	0	9	18	2012	17:01	3 W Sister Bay (waterspout)	Door
362	0	7	9	2013	13:59-14:04	0.5 NE Schultz - 3.9 W Bloomville	Lincoln
363	0	7	9	2013	14:32-14:56	10.8 S Parrish - 3.1 W Deerbrook	Langlade
364	0	7	9	2013	16:44-16:45	4.2 S Bancroft	Portage
365	0	7	9	2013	18:50-18:54	4.4 NNE Oconto - 5.2 NNE Oconto	Oconto
366	1	8	6	2013	23:22-23:33	4 NNE Partridge - 0.8 WSW Hortonville	Waupaca, Outagamie
367	2	8	6	2013	23:24-23:33	1.2 W New London - 0.4 WSW Greenville	Waupaca, Outagamie
368	1	8	6	2013	23:38-23:53	0.4 SE Mackville - 2.7 W Morrison	Outagamie, Brown
369	1	8	6	2013	23:38-23:52	3.5 E Greenville - 2.6 NNE Brillion	Outagamie, Brown, Calumet
370	1	8	6	2013	23:40-00:10	2.7 ENE Mackville - 1.1 NNE Larrabee	Outagamie, Brown, Manitowoc
371	1	8	7	2013	00:05-00:10	0.5 SSE Henrysville - 1 NE Stangelville	Brown, Calumet, Kewaunee
372	0	7	27	2014	18:05	3.5 SE Oshkosh Wittman Field (waterspout)	Winnebago
373	0	8	18	2014	15:23-15:25	3.3 NE Winchester - 4.0 NNE Larsen	Winnebago
374	0	5	17	2015	14:31-14:40	1.6 WSW Morgan - 3.4 NE Morgan	Shawano
375	0	6	15	2015	14:09-14:10	1.5 NNW Glenmore - 1.4 NNW Glenmore	Brown
376	1	7	6	2015	15:38-15:40	3.4 W Marion - 2.7 W Marion	Waupaca
377	0	7	6	2015	16:03-16:04	1.1 E Pella Airport	Shawano
378	1	7	6	2015	16:56-17:03	2.2 ENE Gillette - 2.6 SSW Kelly Brook	Oconto
379	0	6	4	2016	18:00-18:01	0.9 NE Shawano Lake	Shawano
380	0	6	10	2016	19:00-19:03	1.3 SW Mackville - 1.8 S Mackville	Outagamie
381	0	6	15	2016	17:47-17:49	3.3 WSW Harrison - 2.6 NW Stockbridge	Calumet
382	1	6	26	2016	01:30-01:35	4.2 ESE Symco - 6.4 NNE Northport	Waupaca
383	0	6	30	2016	18:16	0.8 WSW Poniatowski	Marathon
384	1	8	4	2016	10:20-10:26	1.3 NNE Cherokee - 4.4 SSW Stratford	Marathon
385	0	8	20	2016	09:03-09:06	1.1 W - 0.8 NW Kewaunee	Kewaunee
386	1	4	9	2017	23:54-23:55	5 SSW Taegesville - 4.9 S Taegesville	Marathon
387	0	5	16	2017	19:12-19:13	5.9 - 5.5 WSW Enterprise	Oneida
388	0	6	14	2017	12:47	2 NE Gresham	Shawano
389	1	6	14	2017	13:49-13:52	2.4 ENE Wild Rose - 3.2 NW Saxeville	Waushara
390	1	6	14	2017	14:28-14:37	2.6 SSW Appleton - 1.7 NNW Little Chute	Outagamie, Winnebago
391	0	6	14	2017	14:30-14:34	2.9 SSW Mackville - 2 SE Mackville	Outagamie
392	0	6	14	2017	14:31-14:38	3.1 ENE Bear Creek - 2.3 WNW Leeman	Outagamie
393	1	6	14	2017	14:40-14:45	1.9 W Nichols - 1.2 WNW Briarton	Outagamie, Shawano
394	1	6	14	2017	14:45-14:51	1 SE Briarton - 0.9 ESE Landstad	Shawano
395	1	6	14	2017	14:51-14:59	1.7 SSE Angelica - 1.7 SW Krakow	Shawano
396	0	6	14	2017	14:53-14:55	2 NW Hofa Park - 0.7 NE Frazier	Shawano
397	0	6	14	2017	14:53-14:55	1.2 SW Morrison - Morrison	Brown
398	0	7	12	2017	19:30-19:32	2.2 S Custer - 2.3 NNE Arnott	Portage
399	0	7	20	2018	11:55-11:56	1.4 NW Silver Lake	Waushara
400	1	8	28	2018	15:34-15:35	2.2 NNW Kiel - 2.1 N Kiel	Manitowoc
401	0	10	3	2018	18:08-18:09	1.2 SW - 0.7 SSE Mattoon	Shawano
402	0	7	16	2019	16:35-16:36	3.2 NNE Hancock - 3.1 NNE Hancock	Waushara
403	0	7	19	2019	17:47-18:00	7.5 NNW Spirit Falls - 6.8 NW Tomahawk	Lincoln

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 1: June 25, 1950

The F4 tornado touched down one mile west of Woodboro in Oneida County around 9 PM CST and traveled 13.1 miles to five miles northeast of Rhinelander. The tornado reached a maximum width of 880 yards. Two deaths were reported in Oneida County.

Event 2: June 25, 1950

The F2 tornado touched down 3 miles west of Colby in Marathon County and traveled to three miles northeast of Abbotsford around 9 PM CST. There was no additional information on this tornado. The tornado traveled approximately 3 miles with a maximum width of 20 yards.

Event 3: September 18, 1950

The F3 tornado touched down in Waupaca County two miles north of Waupaca around 2:30 PM CST. The tornado traveled to Weyauwega before dissipating. Storm data was not available at the time, and I could not find any additional newspaper articles on this tornado event.

Event 4: September 26, 1951

The F4 tornado touched down 9 miles south southwest of Amherst in Portage County around 3:45 PM CST. The tornado then cut through the towns of Waupaca and Lebanon in Waupaca County. The tornado traveled 22.3 miles and reached a maximum width of 400 yards before dissipating two miles southwest of Bear Creek in Waupaca County around 4:08 PM CST. A family of five was killed near Waupaca; while a 40-year-old woman was killed near New London when a farm home was flattened.

Event 5: June 20, 1953

The brief F1 tornado touched down in Three Lakes in Oneida County around 6 PM CST. The tornado was 100 yards wide and traveled two miles before dissipating. Trees and power lines were downed along with some damage to summer homes.

Event 6: April 15, 1954

The F2 tornado struck around 3 PM CST two miles northeast of Neshkoro in Waushara County. The tornado traveled approximately six miles and reached a maximum width of 30 yards before dissipating at Redgranite. Widespread damage was reported at Redgranite, Lohrville and Spring Lake. Numerous small buildings and trees were damaged. The greatest single property damage occurred at the St. Marks Catholic Church in Redgranite. The frame structure was badly shaken by the storm, resulting in jammed doors and dislodged staircases and shattered walls. In the Spring Lake-Lohrville area, the greatest damage was in the town of Marion where a large barn was leveled. The wind scattered the tin roof for hundreds of yards in several directions.

Event 7: June 20, 1954

The F2 tornado developed around 2:30 AM CST in Rothschild in Marathon County. The tornado traveled approximately 6.3 miles and dissipated six miles northeast of Mosinee around 2:40 AM CST. The maximum width of the tornado was 70 yards. Another tornado was reported in Brothertown in Calumet County around 4 AM CST.

Event 8: June 20, 1954

The F2 tornado developed around 4 AM CST in Brothertown in Calumet County. The tornado traveled one mile and had a maximum width of less than 50 yards.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 9: May 3, 1955

The F1 tornado touched down in Irma, approximately 9 miles north of Merrill, in Lincoln County around 6 PM CST. The tornado traveled 7 miles and had a maximum width less than 50 yards. Lincoln County Sheriff Alfred Giese stated in the Rhinelander Daily News that a tornado ripped through several farms and wooded lot country about 9 miles north of Merrill. Giese stated that three barns were blown down and that communications between Merrill and the State Traffic Patrol Headquarters in Tomahawk was disrupted for a while. Two people were trapped in the wreckage and were freed by sheriff officers and highway crews. No homes were damaged.

Event 10: May 28, 1955

The F1 tornado touched down 3 miles west of Clintonville in Waupaca County around 3:05 PM CST. The tornado traveled 2.7 miles and reached a maximum width of 75 yards before dissipating. The tornado ripped through a farm injuring two people and knocking down trees and utility poles. Robert Malaueg who was 13, and Leroy Ashauer (23) were hurt and taken to Clintonville Community Hospital.

Event 11: April 3, 1956

A strong spring storm killed 43 people nationwide, including eight in Wisconsin on this date. The F2 tornado developed 3 miles south of Bancroft in Portage County around 12:50 PM CST. The tornado traveled 18.2 miles to two miles northwest of Amherst before dissipating. The tornado reached a maximum width of 100 yards. Two fatalities were reported in Portage County.

Event 12: April 3, 1956

Unseasonably warm air ahead of a strong cold front triggered showers and thunderstorms across the state. The F4 tornado developed near Berlin in Green Lake County around 1:45 PM CST and traveled 11.5 miles across rural areas of southeast Waushara County near the town of Aurora; then dissipated around 1:53 PM CST two miles west of Omro in Winnebago County. The tornado was 440 yards wide. Berlin was hit the hardest with six killed and 50 injured. Severe storms killed eight people across the state on this day.

Event 13: April 6, 1956

The F2 tornado developed near Ogdensburg in Waupaca County around 1:45 PM CST. The tornado traveled 7 miles to Symco before dissipating around 1:53 PM CST. The tornado reached a maximum width of 100 yards.

Event 14: July 1, 1956

The EF2 tornado developed 5 miles east of Maplewood in Door County and traveled 11 miles to four miles southeast of Institute around 12:05 PM CST. The tornado had a maximum width of 50 yards.

Event 15: April 19, 1957

The EF2 tornado developed 3 miles west of Wautoma in Waushara County around 4 PM CST. The tornado traveled nearly 23 miles and reached a maximum width of 50 yards before dissipating two miles northwest of West Bloomfield around 4:15 PM CST. No fatalities were reported at a farm that was leveled in rural Wild Rose. The farm of Reuben Anderson, Route 2 Wild Rose was the principal destruction point in Waushara County. The tornado destroyed a 34 by 56-foot barn, a 10 by 30-foot wood silo, a chicken coop, a milk house, and woodshed.

Event 16: April 19, 1957

The F1 tornado touched down in Coddington, 12 miles southwest of Bancroft, in Portage County around 4 PM CST. The tornado traveled about 12 miles and reached a maximum width of less than 50 yards before dissipating in Bancroft.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 17: June 14, 1957

The F1 tornado touched down at Florence in Florence County around 5:30 PM CST. The tornado traveled approximately 8 miles and reached a maximum width of 100 yards before dissipating.

Event 18: July 11, 1957

The F1 tornado touched down 4 miles southwest of Denmark in Brown County around 1:45 PM CST. There was no documentation on the path width or distance traveled. A tornado also touched down in Manitowoc County fifteen minutes later.

Event 19: July 11, 1957

The F1 tornado was first reported to touch down two and a half miles southeast of White Law in Manitowoc County around 2 PM CST. The tornado struck the Bernard Vogel farm, picking up 9 trees thirty feet high and pounded them into the ground. The tornado also broke windows and gouged the side of the house. A female neighbor of Bernard Vogel, who was seeking shelter, was pinned up to the wall of a silo as she was running towards the house.

Event 20: May 17, 1958

The F2 tornado developed 3 miles west of Wausaukee in Marinette County around 3:40 PM CST and traveled northeast for 4.7 miles before dissipating 2 miles northeast of Wausaukee. The tornado reached a maximum width of 80 yards.

Event 21: June 4, 1958

According to several sources, it appears that there was a long tracked F3 tornado that developed 6 miles southeast of Chippewa Falls in Chippewa County around 7:30 PM CST. The tornado then moved to the east northeast for just over 59 miles before dissipating 2 miles northwest of Athens in Marathon County around 8:06 PM CST. The tornado reached a maximum width of 880 yards. Newspaper accounts indicated there were three separate tornadoes during this event. The tornado or tornadoes killed 28 people across western Wisconsin. Four people died in Chippewa Falls and near Menominee while two deaths were reported Knapp and Boyd in western Wisconsin.

Event 22: June 30, 1958

The brief F2 tornado touched down around 5:30 PM CST one mile northwest of Gleason in Lincoln County. The tornado traveled approximately 2 miles and reached a maximum width of 50 yards. According to the Rhinelander Daily News, the United States Weather Bureau stated a Northwest Orient Airlines plane and an Antigo radar station both reported radar echoes with the dangling hooks characteristic of tornado clouds.

Event 23: August 30, 1958

The F1 tornado was reported 6 miles southeast of Wausaukee in Marinette County around 3:26 PM CST. The tornado was 100 yards wide and traveled a mile before dissipating.

Event 24: May 4, 1959

The F1 tornado was reported to touch down near Wausau in Marathon County around 10:30 AM CST. The tornado was 200 yards wide and traveled a mile before dissipating near Wausau.

Event 25: May 4, 1959

The F1 tornado struck Deerbrook in Langlade County around 11:45 AM CST. The tornado was 100 yards wide and was on the ground for a mile.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 26: May 6, 1959

The F2 tornado developed near Symco in Waupaca County and traveled a little over 7 miles to three miles southeast of Clintonville in Outagamie County around 3:20 AM CST. A second tornado hit Outagamie County later that afternoon.

Event 27: May 6, 1959

The F2 tornado touched down 3 miles northeast of Shiocton and traveled nearly 2 miles before dissipating around 1:30 PM CST in Outagamie County. The tornado reached a maximum width of 200 yards. The tornado flattened a barn on the farm of Mrs. Matilda Gehring. Numerous trees were damaged in a nearby wooded lot while a shed on a nearby farm sustained damage.

Event 28: May 10, 1959

The F2 tornado touched down in Ashwaubenon in Brown County around 8:50 PM CST and traveled northeast for approximately four miles into Preble and the city of Green Bay before dissipating at 8:55 PM CST. The maximum diameter of the tornado was less than 50 yards wide. One of the most severely damaged buildings in the Sunday night tornado was a one-year-old home moved nearly off its foundation in Ashwaubenon. Five members of the Julius Alberts family were inside the house when the tornado hit, escaped injury. The garage disappeared from the neighborhood and the car inside was twisted around and dumped in a field behind the house. Six homes were demolished and at least 50 others suffered heavy damage. Three injuries were noted with the tornado.

Event 29: May 28, 1959

The F1 tornado struck 6 miles north of Oshkosh in Winnebago County around 3:15 PM CST. The tornado traveled nine miles before dissipating 9 miles northeast of Oshkosh.

Event 30: May 28, 1959

The F1 tornado was spotted one mile southwest of Greenleaf in Brown County around 3:38 PM CST.

Event 31: May 28, 1959

The F0 tornado touched down 6 miles southwest of De Pere in Brown County around 3:30 PM CST.

Event 32: June 10, 1959

The F1 tornado touched down near De Pere in Brown County around 1:20 PM CST. The tornado traveled about a mile and was less than twenty yards wide.

Event 33: July 8, 1959

The F2 tornado touched down in Niagara in Marinette County around 4:54 PM CST. The tornado traveled approximately one mile and had a maximum width of 50 yards. The tornado downed trees, flattened a garage, tore the roof off a house, bounced an automobile off a house, and hit a tavern. There were three injuries when the twister picked up their trailer home and dumped it 100 feet away.

Event 34: August 28, 1959

Several funnel clouds were reported near the Outagamie County Airport by a pilot, and several other funnel clouds were noted by the Kimberly, Little Chute and Kaukauna police. The F2 tornado touched down about 3 miles north of Appleton around 2:04 PM CST. The tornado traveled approximately a mile before dissipating and had a maximum width of 35 yards.

Event 35: April 24, 1960

The F1 tornado touched down 7 miles southwest of Valders in Manitowoc County around 4 PM CST. The tornado was less than 50 yards wide and traveled about a mile before dissipating.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 36: May 21, 1960

The F1 tornado touched down fifteen miles west of Oshkosh in Winnebago County around 5:30 PM CST.

Event 37: November 15, 1960

The F2 tornado developed near Chili in southeast Clark County. The tornado traveled for 36 miles into central Marathon County around 2:25 PM CST where the tornado dissipated near Rib Mountain. The tornado reached a maximum width of 100 yards. Main damage with the storm occurred near Chili and near the Town of Rib Mountain.

Event 38: September 3, 1961

The F2 tornado touched down near Fenwood in Marathon County around 12:10 AM CST and traveled about 2 miles. The tornado was 35 yards wide. Damage was confined to farm buildings and crops in rural western Marathon County.

Event 39: September 3, 1961

The F1 tornado touched down near Athens in Marathon County around 1 AM CST. The tornado was 35 yards wide and was on the ground for 2 miles.

Event 40: September 3, 1961

The F1 tornado touched down 12 miles west of Merrill in Lincoln County around 5 PM CST. The tornado was 50 yards wide and was on the ground for a mile.

Event 41: June 23, 1962

The F1 tornado touched down 2 miles west of Champion in eastern Brown County around 4:30 PM CST. According to the local storm report for June of 1962, the tornado became or originated as a waterspout near Point Sauble as the storm was picking up water at times. The tornado/waterspout had a maximum width of less than 50 yards and traveled 3 miles before dissipating at 4:35 PM CST.

Event 42: June 23, 1962

The F0 tornado touched down 15 miles east of Stevens Point in Portage County around 7 PM CST.

Event 43: July 24, 1962

The F2 tornado touched down briefly in the town of Corning in Lincoln County around 5 PM CST. The tornado traveled about a mile and had a maximum width of 50 yards. The tornado destroyed a barn and other buildings in the town of Corning.

Event 44: September 19, 1963

The F1 tornado tore through the village of Laona in Forest County around 6 PM CST. The tornado was less than 50 yards wide and traveled one mile before dissipating.

Event 45: May 4, 1964

The F1 tornado was first reported 10 miles southwest of St. Germain in Vilas County around 6 PM CST. The tornado traveled just over 7 miles before dissipating near St. Germain at 6:10 PM CST. The tornado had a maximum width of 125 yards. The local storm report indicated the tornado touched down twice and crossed over the Big St. Germain drawing water to a height of 200 feet. There was considerable damage to resorts and woods in the path of the tornado.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 46: May 7, 1964

The F2 tornado touched down in the city of Wisconsin Rapids in Wood County around 6 PM CST and traveled a half mile. The maximum width of the tornado was 100 yards. The tornado tore through the Suburban Heights trailer court. There were fourteen injuries, none of them serious. Ten of the trailer homes were ripped from their foundation and tossed up into the air. The body of one was torn off and the frame was left lying upside down 100 yards from its original base. Many of the trailers were occupied by the Wisconsin Rapids Twins ballplayers and their wives. Some damage to roofs and television antennas was reported within the city limits.

Event 47: May 8, 1964

Several tornadoes were noted across the state on this date. In north central and northeast Wisconsin, the F2 tornado touched down from about five miles north of Iola in Waupaca County around 5 PM CST. The tornado traveled a little over 3 miles to one mile west of Clintonville. The tornado had a maximum width of 200 yards. At least five barns were reported down in the Clintonville area. Another tornado was noted across Marathon County from seven miles east southeast of Knowlton to five miles west of Elderon around 5:50 PM CST.

Event 48: May 8, 1964

The F2 tornado touched down 7 miles east southeast of Knowlton in Marathon County around 5:50 PM CST. The tornado traveled about twelve miles to 5 miles west of Elderon. The tornado had a maximum width of five hundred yards.

Event 49: May 8, 1964

Another long-tracked F2 tornado was noted on this date across northeast Wisconsin. The tornado developed near Winneconne in Winnebago County around 6:30 PM CST. The tornado traveled northeast across Menasha, striking the John Strange Paper Company. The tornado continued into Neenah, near the Fox Point Shopping Center. The Fox Point Shopping Center suffered extensive damage where windows were blown in, and sections of the roof were blown off. The tornado continued into the southeast corner of Appleton near the Calumet Street power substation. The tornado finally dissipated in Wrightstown around 7:06 PM. At least ten barns were destroyed near Kaukauna.

Event 50: May 30, 1964

The F0 tornado momentarily touched down in a field northeast of Bellevue in Brown County around 1:28 PM CST. The tornado was less than 50 yards wide and traveled about a mile before dissipating.

Event 51: June 9, 1964

The F1 tornado was sighted in Belle Plaine in Shawano County around 2:55 PM CST. The Adams Beach area was hit the hardest according to newspaper reports.

Event 52: June 9, 1964

The F2 tornado touched down near Pound in Marinette County around 3 PM CST. The tornado traveled approximately 3 miles and had a maximum width of 50 yards.

Event 53: August 22, 1964

The F2 tornado touched down six miles west of Bancroft and traveled approximately 7 miles to the town of Grant around 3 PM CST in Portage County. The tornado had a maximum width of 300 yards.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 54: July 8, 1965

The F2 tornado touched down one mile west of Sherwood in Calumet County and traveled approximately 3 miles to the northeast before dissipating one mile north of Sherwood around 5 PM CST. The tornado was 100 yards wide. The twister, striking in a narrow path northeast from High Cliff Park broke trees, power, and telephone poles, and leveled a barn at the farm of Mrs. Anna Goaz at Route 1 in Menasha. Several other farm properties were damaged. Two teenage girls received multiple cuts and bruises when they were picked up by the twister and thrown down on a road in the High Cliff Beach area.

Event 55: June 4, 1966

There were two F2 tornadoes reported on this date in Oconto County. The F2 tornado touched down near Gillett and then traveled nearly 5 miles to two miles northeast of Oconto Falls in Oconto County around 7 PM CST. The tornado was 50 yards wide. Another F2 tornado was reported near Suring around 7 PM CST. There was a total of three tornadoes across Oconto County on this night. The tornadoes brought 37 barns and many trees and wires down across the county near Gillett and Suring.

Event 56: June 4, 1966

There were two F2 tornadoes reported on this date in Oconto County. The EF2 tornado was reported near Suring around 7 PM CST. The tornado was 50 yards wide and traveled for 2 miles before dissipating. Another F2 tornado touched down near Gillett and then traveled nearly 5 miles to two miles northeast of Oconto Falls in Oconto County around 7 PM CST. There was a total of three tornadoes across Oconto County on this night. The tornadoes brought 37 barns and many trees and wires down across the county near Gillett and Suring.

Event 57: July 10, 1966

The F1 tornado was first reported to touch down in Plainfield in Waushara County around 10 PM CST. The tornado was 100 yards wide and traveled approximately fifteen and a half miles before dissipating at Wautoma.

Event 58: July 25, 1966:

The F0 tornado touched down about a half mile east of Maplewood in Door County around 6:20 PM CST. The tornado was 20 yards wide and traveled approximately two miles. An interesting note to the local storm report from July 1966 indicated a strong waterspout was noted over the Bay of Green Bay. According to the local storm report, a waterspout lifted several boats out of the water dropping one on a car at Ephraim. It also dropped twelve large trees down at Gordon Lodge. This tornado/waterspout was not documented in this study.

Event 59: March 31, 1967

The F2 tornado touched down in Marshfield in Wood County around 11:49 PM CST. The tornado traveled approximately two miles and had a maximum width of 35 yards. The tornado destroyed or damaged several buildings including a mobile home plant.

Event 60: June 30, 1967

The F2 tornado struck Chilton in Calumet County around 11:49 PM CST. The tornado then traveled to 7 miles east of Chilton before dissipating around 11:59 PM CST. The maximum width of the tornado was 100 yards. The city of Chilton took the brunt of the damage. At least five buildings were destroyed beyond repair. A trailer home tumbled end over end across a lot and a good share of trees were torn up.

Event 61: July 1, 1967

The F1 tornado struck 3 miles east of Kiel in Manitowoc County around 12:45 AM CST. The tornado was 50 yards wide and traveled a half mile before dissipating.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 62: July 2, 1967

The city of Brillion in Calumet County was struck by an F1 tornado around 2 PM CST. The local storm report indicated a touchdown in the city of Brillion. The tornado was 35 yards wide and traveled a mile before dissipating.

Event 63: July 22, 1967

The F2 tornado developed around 11 PM CST near Loyal in Clark County. The tornado then moved east southeast into Wood County. The tornado traveled nearly 21 miles before dissipating five miles east of Marshfield around 11:18 PM CST. The maximum width of the tornado was 100 yards. The tornado destroyed three barns and killed sixteen cattle near Loyal in Clark County. Several buildings and mobile homes were destroyed at Marshfield in Wood County.

Event 64: June 30, 1968

The E2 tornado touched down 3 miles northwest of Cavour in Forest County around 4 AM CST. The tornado traveled east northeast approximately one mile and had a maximum width of 200 yards. Several buildings were damaged at Aschenbrenner Farm near Cavour.

Event 65: June 30, 1968

The F1 tornado touched down on the Zern property 3 miles south of Pembine in Marinette County around 4:45 AM CST. The tornado was 100 yards wide and traveled on the ground for a half mile. Trees and a garage were destroyed by the tornado.

Event 66: August 5, 1968

The F1 tornado touched down 3 miles northwest of Seymour in Outagamie County around 2 PM CST. The tornado was 150 yards wide and was on the ground for two miles before dissipating. Nine barns and farm buildings were destroyed.

Event 67: August 16, 1968

The F2 tornado touched down near Kaukauna in Outagamie County and traveled 2 miles before dissipating around 12:30 PM CST. The maximum width of the tornado was 100 yards. The Mueleman farm near Kaukauna experienced severe damage. A barn was destroyed along with many trees. His home also suffered damage as the roof was torn off and windows were knocked out.

Event 68: August 16, 1968

The F2 tornado first formed about 5 miles southeast of Hofa Park in extreme western Brown County on the Brown - Shawano County line. The tornado moved east about a mile and dissipated four miles south of Pulaski around 9:20 PM CST. The tornado reached a maximum width of 100 yards. A 40-year-old dance hall on Highway 29 at the Shawano - Brown County line was destroyed. The building exploded and debris was scattered over nearby fields. The 73-year-old owner was hospitalized.

Event 69: August 19, 1968

The funnel was first observed at about 4 PM CST near Breed but remained aloft until three miles southwest of Pound in Marinette County. The F4 tornado developed 3 miles southwest of Pound around 4:10 PM CST and traveled nearly 22 miles before dissipating in Marinette. The tornado moved east about 3 miles south of Highway 53, destroying farms near Pound and again just south of Marinette. Large hail three inches in diameter fell north of the tornado track. Two elderly brothers, John and Cecil Maloney were fatally injured as their farmhouse near Pound blew apart. A third brother James, who was in bed when the winds struck was found on some bed springs in a nearby cornfield. He was hospitalized in satisfactory condition. Two more people were injured at Marinette when the tornado struck near the airport. Nearly twenty counties were included in a series of thunderstorm warnings issued by the Weather Bureau.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 70: August 19, 1968

The F2 tornado formed about 4 miles east of Fenwood in Marathon County near County Trunk P just west of Highway 97 around 5:30 PM CST. The tornado traveled just over fourteen miles to the east before dissipating about eleven miles east of Fenwood. The maximum width of the tornado was 75 yards. Twenty-five barns mostly on the north side of County Trunk P were flattened. Damage was estimated at more than one million dollars.

Event 71: June 26, 1969

A rare morning tornado was reported across northeast Wisconsin. Around 11:15 AM CST, the F3 tornado was noted moving northeast between Black Creek and near Pulaski in Outagamie County. The tornado traveled across far southeast Shawano County before dissipating 8 miles west of Sobieski in Oconto County around 11:30 AM CST. The tornado caused extensive damage to trees and buildings in Black Creek, Seymour, Hofa Park, and Elm Lawn and near Pulaski. A seven-year-old girl was hospitalized from injuries when a barn fell on her. The tornado traveled 18 miles and reached a maximum width of 100 yards.

Event 72: June 26, 1969

According to the local storm report, the F1 tornado skipped northeast through the forests of Price, southeast Iron, and western Vilas Counties. The tornado struck Vilas County from 2 miles west of Manitowish Waters around 4:30 PM CST and moved to three miles southwest of Presque Isle. Most of the damage occurred around Manitowish Waters.

Event 73: June 26, 1969

The F2 tornado formed near Lac Du Flambeau in Vilas County around 5 PM CST and skipped northeast for nearly 29 miles. The tornado dissipated along the Michigan border 9 miles northwest of Land O' Lakes. Maximum width of the tornado was 35 yards. Resort areas from Fence Lake northeastward across Big Crooked and High Lakes suffered damage.

Event 74: June 26, 1969

The F1 tornado traveled 22 miles across Clark, Taylor, and Lincoln Counties. The tornado did major damage from the Withee area in northern Clark County around 4:10 PM CST. Two persons were injured and about ten farms sustained damage. Major damage from the tornado was reported at the Taylor County Airport near Medford around 4:30 PM CST. Seven planes and one hangar suffered severe damage. The tornado entered western Lincoln County and traveled to near Pelican Lake around 5 PM CST before dissipating. Five more farms suffered serious damage in northeast Lincoln County. Tree and wire damage termed "worst ever" by utilities in the northern resort areas.

Event 75: July 2, 1969

The F0 tornado touched down in Symco in Waupaca County around 4 PM CST. The tornado was 100 yards wide and traveled 4.3 miles before dissipating. The tornado produced extensive damage to buildings on the Howard Winter farm between Manawa and Big Falls. Utility wires were also damaged along Highway 22 near Symco.

Event 76: July 2, 1969

The F1 tornado traveled just over 7 miles across Kewaunee County, from 3 miles southwest of Luxemburg through the Ellisville area around 4:20 PM CST. The tornado had a maximum width of 100 yards. Several farms were damaged by the tornado.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 77: April 22, 1970

Several tornadoes were reported across north-central and northeast Wisconsin on this date. The F2 tornado touched down around 8:40 PM CST in Ashwaubenon and moved northeast about four miles to the north side of Green Bay. Maximum width of the tornado was 800 yards. Much of the damage was concentrated in the Lambeau Field area. Among the most seriously damaged businesses were the Midway Motor Lodge motel and the nearby Forum Supper Club as well as property at Nanco Corporation. There were reports of damage to tunnels connecting the Brown County Arena to an annex. Several cars in the area parking lot were damaged by flying debris. Roofs of a several houses were damaged, and garages and barns were reported destroyed. Meanwhile, snow was occurring across northwest Wisconsin. Superior reported six inches of snow on the ground during the evening of the 22nd.

Event 78: April 22, 1970

Several tornadoes were reported across north-central and northeast Wisconsin on this date. The F2 tornado touched down around 9 PM CST in De Pere and traveled northeast for 7 miles through Allouez and then into the southeast side of Green Bay. The maximum width of the tornado was 800 yards. A church steeple was toppled in De Pere. Damage was reported at a lumber yard and canning company at Baird and Main Streets in Green Bay. Meanwhile, snow was occurring across northwest Wisconsin. Superior reported six inches of snow on the ground during the evening of the 22nd.

Event 79: April 22, 1970

Several tornadoes were reported across north-central and northeast Wisconsin on this date. The F2 tornado touched down around 9 PM CST one mile north of Casco in Kewaunee County. The tornado moved northeast for 11 miles before dissipating near Rio Creek in southern Door County around 9:10 PM CST. The tornado reached a maximum width of 500 yards. Fifteen barns near Casco and Rio Creek were destroyed. Two persons were injured when their house trailer was upended south of Forestville. Meanwhile, snow was occurring across northwest Wisconsin. Superior reported six inches of snow on the ground during the evening of the 22nd.

Event 80: April 22, 1970

Several tornadoes were reported across north central and northeast Wisconsin on this date. The F2 tornado touched down around 9:20 PM CST seven miles southeast of Maplewood in Door County. This may be the same tornado that tore through eastern Kewaunee County from Algoma to 6 miles northeast of Algoma. The tornado traveled about four miles and reached 500 yards in width in Door County before dissipating.

Event 81: April 22, 1970

Several tornadoes were reported across north-central and northeast Wisconsin on this date. The F2 tornado touched down around 9:20 PM CST from Algoma to 6 miles northeast of Algoma in Kewaunee County. The tornado traveled about five miles and reached a maximum width of 500 yards. Extensive damage was reported near Algoma northeast along the Lake Michigan shoreline. Among the buildings destroyed were a warehouse and a church steeple. Meanwhile, snow was occurring across northwest Wisconsin. Superior reported six inches of snow on the ground during the evening of the 22nd.

Event 82: April 22, 1970

The F2 tornado developed 2 miles northeast of Poland in extreme eastern Brown County around 9:10 PM CST. The tornado was 500 yards wide and traveled just over 7 miles to near Luxemburg in Kewaunee County before dissipating. Several farms were damaged and leveled the Kewaunee County Fair Grandstand at Luxemburg.

Event 83: May 21, 1970:

An airplane pilot reported the F0 tornado just northeast of Green Bay along the shores of the bay of Green Bay in Brown County around 8:10 PM CST. The tornado became a waterspout about four miles northeast of Green Bay. The tornado/waterspout was less than 50 yards wide and was on the ground for about two miles.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 84: June 17, 1970

The F0 touched down briefly 3 miles south of Wisconsin Rapids in Wood County around 6:35 PM CST. The tornado was 100 yards wide and only traveled a tenth of a mile. According to the monthly storm report, the tornado touched down in open country.

Event 85: July 7, 1970

The F2 tornado touched down in Bancroft in Portage County around 3 PM CST. The tornado moved east southeast for two miles and reached a maximum width of a hundred yards before dissipating. Damage was confined to a machine shed and tore the roof off a new school.

Event 86: July 7, 1970

The F1 tornado developed across Iron County in northwest Wisconsin. The tornado traveled east southeastward for nearly 38 miles across Vilas County around 7 PM CST. The tornado traveled from Winchester to Boulder Junction to Conover. Extensive damage to woods and lake property were noted in the path of the tornado.

Event 87: July 14, 1970

The F1 tornado briefly touched down in Marion in Waupaca County around 12:30 PM CST. The tornado was less than 50 yards wide and traveled approximately a half mile. The tornado ripped a door off a factory, flipping over a car and damaging trucks and signs in Marion.

Event 88: July 14, 1970

The F1 tornado was reported in Mc Allister in Marinette County around 2 PM CST. The tornado was less than 50 yards wide and traveled a mile. The tornado damaged a home and uprooted several trees.

Event 89: July 30, 1970

The brief F1 tornado touchdown occurred 4 miles west of Suamico in Brown County. The tornado was less than 50 yards wide and traveled a mile before dissipating. According to the local storm report, the tornado struck in open country.

Event 90: December 1, 1970

A rare tornado event occurred across north central and northeast Wisconsin on this date. In all, there were four tornadoes on this date, including an F3. What made this event even more unusual was the time of day with all four tornadoes reported between 7 AM and 10:45 AM in the morning. The F1 tornado touched down on the Richard Rutta farm in the town of Hall north of Stevens Point in Portage County. The tornado was 200 yards wide and traveled nearly 3 miles before dissipating.

Event 91: December 1, 1970

Four rare December tornadoes were reported on this date across north-central and northeast Wisconsin. The F2 tornado touched down in Wood County 12 miles southeast of Marshfield or two miles southeast of Arpin on the Fred Cahler farm around 9 AM CST. The tornado traveled 2 miles while reaching a maximum width of 200 yards before dissipating. Several farm buildings were destroyed or damaged on the Fred Cahler farm. The tornadoes on this day are on the only December tornadoes recorded in the NWS Green Bay Service area.

Event 92: December 1, 1970

Four rare and only December tornadoes were reported on this date across north central and northeast Wisconsin. The F2 tornado touched down with severe damage around 9:45 AM CST on the Heschke farm 4 miles northwest of Iola in Waupaca County. The tornado moved east for 31.9 miles across Waupaca County into Shawano County before dissipating in Pella around 10:30 AM CST. The maximum width of the tornado was 200 yards. Additional damage occurred in the Marion and Pella areas. A lady and her three small children escaped injury when their mobile home was lifted by the tornado and exploded with debris scattered over the field.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 93: December 1, 1970

The F3 tornado developed around 10:15 AM CST near Medina in Outagamie County. The tornado moved northeastward at approximately 50 mph destroying about twenty barns and five homes. The tornado caused additional property damage along a track from Medina to Black Creek and beyond to near County Trunk C in southeastern Shawano County. The tornado was 200 yards wide and traveled 30 miles before dissipating around 10:45 AM CST near Rose Lawn in Shawano County. Damage to farm buildings was estimated at \$500,000 dollars. Damage to a transmission line a mile and a half east of Stephenville was estimated at \$100,000.

Event 94: April 22, 1971

The F0 tornado touched down briefly 4 miles southwest of Hilbert in Calumet County around 5:30 PM CST. The tornado was 25 yards wide and traveled three tenths of a mile.

Event 95: May 18, 1971

The F1 tornado was first sighted northeast of Adams and Friendship in Adams County around 4:40 PM CST. The tornado traveled 15 miles as it moved across Highway 21 and then to Hancock in western Waushara County before dissipating around 5:04 PM CST. The tornado reached a maximum width of 100 yards. After crossing Highway 21, the tornado destroyed two house trailers injuring five people and smashed a barn. In Hancock, a large metal warehouse was severely damaged with sheet metal scattered a half mile downwind.

Event 96: June 6, 1971

The F1 tornado was reported 5 miles southwest of Oshkosh in Winnebago County around 11:15 PM CST. The tornado was 50 yards wide and traveled nearly 4 miles before it dissipated. The tornado demolished one barn and damaged several others on highway 26 about five miles southwest of Oshkosh.

Event 97: June 13, 1971

The public reported the tornado 8 miles northwest of Oshkosh in Winnebago County around 4:30 PM CST. The F1 tornado was 50 yards wide and only traveled a quarter of a mile. Many trees were down in small grove eight miles northwest of Oshkosh.

Event 98: June 18, 1971

The F1 tornado struck about 5 miles west of Marinette in Marinette County, near Highway 64 and Right O Way Road around 1:45 PM CST. The tornado was 100 yards wide and traveled just over four miles before it dissipated. Many trees were uprooted, and several resort and farm buildings were damaged.

Event 99: July 8, 1971

The F1 tornado moved through open country just north of Wisconsin Rapids in Wood County around 2 AM CST. The tornado was 75 yards wide and traveled about two miles before it dissipated. One house trailer moved off its foundation while there was damage to trees in the area.

Event 100: July 30, 1971

Numerous F0 waterspouts were reported about 4 miles east of Oshkosh in Winnebago County around 7 AM CST. The waterspouts formed east of Oshkosh as cold air with large cyclonic vorticity moved over the warm lake according to the monthly storm report.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 101: September 28, 1971

A cold front moving through the state triggered scattered thunderstorms across the state. On this date, two long tracked F3 tornadoes were noted from near Stanley in western Wisconsin to Oconto County. The first tornado touched down 23 miles northeast of Eau Claire just south of Boyd and Stanley in Chippewa County around 2 PM CST. The tornado continued just south of Owen, north of Curtiss and south of Dorchester in Clark County. The tornado then moved into Marathon County south of Athens then weakened over Hamburg before finally dissipating just north of Merrill in Lincoln County around 4:05 PM CST. The tornado reached a maximum width of 300 yards and traveled 75 miles before dissipating. Damage was estimated near two million dollars.

Event 102: September 28, 1971

The second F3 tornado developed over the town of Hewitt northeast of Wausau in Marathon County around 4 PM CST. The town hall and four barns were destroyed in Hewitt. The tornado continued east northeast into Langlade County, passing about 6 miles south of Antigo and moved across the extreme northwest corner of Menominee County just south of White Lake. The tornado moved into Oconto County near Mountain, and then into Marinette County to Middle Inlet where the tornado dissipated around 5:20 PM CST. The tornado traveled 78 miles and reached a maximum width of 300 yards. The most severe damage occurred at Mountain where damage to buildings and trailers were estimated at \$200,000 dollars. Extensive damage to property and trees was reported in the Boulder Lake area where the lake level was reported to have dropped 5 inches. One person was injured at White Lake and four injuries were noted at Mountain, none seriously.

Event 103: September 28, 1971

An F2 tornado was first sighted across portions of Clark and Taylor Counties. The tornado moved into Lincoln County 19 miles west southwest of Merrill around 2:15 PM CST. The tornado traveled 19 miles and reached a maximum width of 300 yards before dissipating near Merrill. Several farms were damaged or destroyed by the tornado across Clark, Taylor, and Lincoln counties. The storm summary does not indicate where the heaviest damage occurred.

Event 104: August 21, 1972

The F1 tornado touched down near Goodwin in Manitowoc County around 3:10 PM CST. The tornado was 50 yards wide and traveled approximately 12 miles to Two Rivers. The tornado struck the Van Koeving residence, uprooting five large trees in the yard. Tree and wire damage occurred along Highway 147 one mile south of Mishicot and near Highway 42 and near Shambeau Road near Two Rivers. The tornado moved eastward out over Lake Michigan.

Event 105: September 16, 1972

The F2 tornado formed 4 miles northwest of Wabeno in Forest County around 4:05 PM CST. The tornado tracked south of Athelstane, north of Wausaukee and into upper Michigan. The track reentered Wisconsin about 2 miles north of McAllister and cross over the Wisconsin Public Service Corporation Grand Rapids Power Dam. The tornado reentered upper Michigan 3 miles southwest of Ingalls around 5:15 PM CST moving across Highway 41 about two miles north of Wallace. The final path length of the tornado was 53 miles with the tornado reaching a maximum width of 200 yards. Several barns were flattened in the Wabeno area, otherwise damage was mainly to woods and overhead wires.

Event 106: March 11, 1973

An early season F1 tornado struck Calumet County, 2 miles east of Calumetville around 10:30 AM CST. The tornado was 50 yards wide and traveled two miles before dissipating.

Event 107: May 9, 1973

The F1 tornado was reported 2 miles north of Reedsville in Manitowoc County around 3:50 PM CST. The tornado was 50 yards wide and traveled about two miles before dissipating. Several outbuildings were destroyed on the John Zimmerman farm on Highway 32. Damage was also reported on the Sullivan and Fenlon farms.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 108: June 3, 1973

The F1 tornado first touched down just north of Amberg in Marinette County around 6:15 PM CST. The tornado was 100 yards wide and moved four and a half miles across Marinette County before dissipating. The tornado upended several house trailers and destroyed several wooden structures at the Sparkling Springs Campground just north of Amberg. Several acres of trees were leveled at the campsite and northeastward to Assembly of God Church in Beecher Township.

Event 109: June 18, 1973

The F1 tornado touched down on the Brunke Farm 2 miles west of Athens in Marathon County around 11 AM CST. The tornado was 200 yards wide and traveled east for two miles before dissipating.

Event 110: July 12, 1973

The F1 tornado was struck touchdown just south of Boulder Junction in Vilas County around 3 AM CST. The tornado was 100 yards wide and traveled 19.5 miles before dissipating near Sayner in Vilas County. Scattered damage to the woods was reported along the path of the tornado.

Event 111: July 12, 1973

The F1 tornado touched down in Jacksonport in Door County around 7:30 AM CST. The tornado was 100 yards wide and traveled 3 miles. Scattered damage was reported west and south of Jacksonport. As many as six waterspouts were reported by one observer off Jacksonport. A seiche caused a drop of two feet in water level locally about fifteen minutes after passage of the storms.

Event 112: July 12, 1973

The F1 tornado developed 4 miles west of Freedom in Outagamie County around 8 AM CST. The tornado was 100 yards wide and traveled one mile. Farm buildings were destroyed on the Ken Geiger farm 4 miles west of Freedom.

Event 113: April 12, 1974

The F2 tornado briefly touched down 5 miles west of Athens in Marathon County around 2:05 PM CST. The tornado traveled 2 miles and reached a maximum width of 150 yards before dissipating. One barn was destroyed and wires down. Two horses in the field were rolled over by the tornado.

Event 114: April 12, 1974

The F2 tornado touched down in Wittenberg in Shawano County around 2:15 PM CST. The tornado traveled nearly 11 miles and reached a maximum width of 150 yards before dissipating near Bowler. Several farms between Wittenberg and Bowler were destroyed. The Wendler farm in the town of Morris and the Watters and Hintz farms in the town of Seneca sustained severe damage. One injury was reported when Mr. Hintz was injured when he was struck by a flying board.

Event 115: April 21, 1974

The F4 tornado first touched down 5 miles south of Ripon in Fond Du Lac County at about 2:40 PM CST. The tornado destroyed or severely damaged buildings on about 30 farms before approaching southwest Oshkosh at 2:58 PM CST. The tornado lifted 10 minutes later over northwest Oshkosh. The tornado traveled 26 miles and reached a maximum width of 200 yards. At Oshkosh, the tornado damaged 400 homes and business with 33 of the houses destroyed. Damage was estimated at 4.2 million dollars. In Oshkosh, thirty-five people were treated for injuries with only ten people injured seriously enough to be hospitalized.

Event 116: April 21, 1974

The F2 tornado touched down 4 miles north northwest of Crivitz in Marinette County around 3:25 PM CST. The tornado was 200 yards wide and traveled four miles before dissipating.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 117: June 9, 1974

The tornado formed in Adams County and then the F1 tornado moved into southwest Portage County where it touched down briefly on the Sawyer Farm Route 1, Bancroft around 2:45 PM CST. The tornado was 30 yards wide and traveled two and a half miles. The tornado damaged a barn, a chicken coop, and a porch on house. Only minor tree damage was noted.

Event 118: June 14, 1974

On the afternoon of June 14th, the F1 tornado touched down 5 miles northwest of Gillett in Oconto County around 4:10 PM CST. The tornado was 30 yards wide and traveled only a quarter of a mile. The tornado downed trees and power lines and threw a chopper wagon thirty yards.

Event 119: June 12, 1976

The F2 tornado touched down a mile west of Alban in Portage County around 8:30 PM CST. The tornado only traveled about a quarter of a mile and reached a maximum width of fifty yards. The tornado leveled a mobile home a mile west of Alban.

Event 120: June 12, 1976

The F1 tornado touched down near Amherst in Portage County around 9 PM CST. The tornado was 50 yards wide and traveled around a quarter of a mile. The Amherst High School roof was ripped off.

Event 121: June 13, 1976

The F1 tornado formed 4 miles west of Wisconsin Rapids in Wood County around 6:40 PM CST. The tornado continued to move east northeast to three miles northeast of Stevens Point near the intersection of Highway 51 and Business 51 before dissipating around 7:20 PM CST three miles northeast of Stevens Point. The tornado traveled nineteen miles and reached a maximum width of 100 yards. Many trees were flattened. In Stevens Point, scattered damage was reported just north of the city and a roof was blown off an apartment complex. Several other buildings also suffered damage. Two people in the apartment complex were injured from fallen debris.

Event 122: June 13, 1976

The F2 tornado was observed by the police chief of Plover in Portage County around 7 PM CST. The tornado touched down at the intersection of Highway 54 and County B. The tornado was only on the ground for about a quarter of a mile and had a maximum width of about fifty yards.

Event 123: June 13, 1976

The F1 tornado hit first about two miles west of Hogarty in Marathon County around 8 PM CST. The tornado skipped along and moved east northeast into extreme southwest Langlade County near Elmhurst and then continued to near Elton before dissipating at 8:10 PM. The tornado was 50 yards wide and traveled 21.3 miles. Some sheds were destroyed while windows of some buildings were damaged. Tree limbs and power lines were downed by the tornado.

Event 124: June 13, 1976

The F1 tornado developed near county highway H and Highway 54 about five miles east of Seymour in Outagamie County around 8 PM CST. The tornado was 50 yards wide and traveled a half mile. Three barns were destroyed.

Event 125: June 13, 1976

The F1 tornado developed just west of Oconto Falls in Oconto County around 8:15 PM CST. The tornado was 50 yards wide and traveled less than a quarter of a mile. The damage from the tornado included: a barn was destroyed, a farmhouse was damaged, trees and power lines were downed, and a good portion of an orchard was destroyed.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 126: June 13, 1976

The F1 tornado first reached the ground near Highway 64 in extreme southeast Lincoln County around 8:45 PM CST. The tornado then moved into western Langlade County about 3 miles north of Highway 64. The tornado skipped along to near county Highway I about 11 miles northwest of Antigo where it was last reported. The tornado was 50 yards wide and traveled nearly eleven miles. The only report of damage was some downed trees.

Event 127: July 30, 1977

The F1 tornado initially developed a half mile west of Forest Junction in Brown County around 10:45 PM CST, destroying a rural farm including a large barn, milk house and several small sheds. The tornado was 100 yards and traveled twelve miles before dissipating in Denmark. In Denmark, a roof of an apartment building was blown off, a couple of garages were destroyed, and some farm machinery was toppled.

Event 128: August 31, 1977

On the evening of the 31st, a devastating F3 tornado spun out a 27 mile-path of destruction across Marathon County around 6:15 PM CST. The first sighting of the tornado came seven miles southwest of Fenwood. The funnel base was described as reaching tree top levels as it downed barns in the area. The tornado continued to near Marathon City where more barns were destroyed. The tornado caused extensive damage to Ginseng crops in the area. In Rib Mountain, 15 homes were demolished, and 30 others were severely damaged. The storm moved into southwest Wausau damaging a mill and lumber yard. As the funnel cloud moved across the southern end of Wausau, brief touchdowns were noted at Grand Avenue and at Tenth and Manson Streets. The funnel lifted and moved eastward out of the city limits of Wausau, touching down for a final time on Linden Street. Barns and sheds were destroyed on Linden. The tornado reached a maximum width of a thousand yards. Property damage was close to two million dollars.

Event 129: May 8, 1978

The F1 tornado developed a mile and a half southwest of Luxemburg in Kewaunee County around 4:50 PM CST, and then moved to two and a half miles southeast of Luxemburg before dissipating around 5 PM CST. Two buildings were destroyed a mile and a half west of Luxemburg on Highway 54. A large pole building was destroyed two and a half miles southeast of Luxemburg.

Event 130: June 7, 1978

The F2 tornado touched down briefly 2 miles northwest of Francis Creek in Manitowoc County around 3:15 PM CST. The path length and maximum width of the tornado were not documented.

Event 131: June 16, 1979

The F2 tornado developed near Oconto Falls in Oconto County around 9:30 AM CST. The tornado traveled just over 15 miles and reached a maximum width of 100 yards before dissipating 2 miles northeast of Lena. At least 17 frame and mobile homes along with numerous barns were damaged or destroyed. Heavy rains and large hail accompanied the tornado destroying crops along the thunderstorm path.

Event 132: June 16, 1979

The F1 tornado developed 2 miles north of Irma in Lincoln County around 3:30 PM CST. The tornado moved to 2 miles northeast of Irma before dissipating at 3:45 PM CST.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 133: June 20, 1979

The F1 tornado touched down 3 miles south of Oshkosh in Winnebago County around 1:45 PM CST. The tornado on this date followed almost the same path as another more destructive twister that hit the city in April 1974. The tornado destroyed two mobile homes and severely damaged five others. Four people were hospitalized due to the injuries they suffered from the tornado.

Event 134: June 20, 1979

Goodman in Marinette County was hit by the F1 tornado around 2:30 PM CST. The tornado tore the roof off Louisiana Pacific Corps Seaway Division. Clarence Richards, personnel manager said 100 to 125 people were working inside the building when the tornado struck. Company officials said some of the workers were trapped when the roof collapsed. Only one injury was reported. There was no documentation on path length or width of the tornado.

Event 135: August 4, 1979

The F1 tornado struck near Manitowoc in Manitowoc County around 10 AM CST. Several buildings on a farm were destroyed. There was no documentation on path length or width of the tornado.

Event 136: August 9, 1979

The F2 tornado touched down near Rockland Beach in Calumet County around 6:20 PM CST. The strong tornado only traveled about a mile and was fifty yards wide. One death was attributed to the tornado. A Rockland Beach woman died after the strong winds demolished the family home. She was crushed as the family's first floor fireplace fell through the floor and into the basement. The husband and three children were not hurt despite all the damage.

Event 137: August 9, 1979

The northeast side of Green Bay in Brown County was struck by the F1 tornado around 6:56 PM CST. There was no documentation on path length or width of the tornado.

Event 138: May 30, 1980

The F1 tornado touched down at Highway 187 four miles south of Shawano in Shawano County around 2:30 PM CST. The tornado was 50 yards wide and traveled 2 miles before dissipating. A house trailer was destroyed and scattered debris two miles to the northeast.

Event 139: May 30, 1980

The F1 tornado touched down at Highway 22 and Highway J near Oconto in Oconto County around 3:20 PM CST. The tornado was 50 yards wide and traveled one mile. Several buildings and cars were damaged as well as twisting off several trees.

Event 140: May 30, 1980

The F1 tornado touched down about 2 miles outside of Black Creek in Outagamie County around 4:05 PM CST. The tornado traveled east around 4 miles before dissipating around 4:14 PM CST two miles east of Black Creek. An intermittent four-mile path 50 yards wide resulted in damage to several garages in Black Creek.

Event 141: June 7, 1980

A brief F2 tornado touched down in Valders in Manitowoc County around 12:20 AM CST. The tornado was less than 50 yards wide and was on the ground for less than a quarter of a mile. The brief touchdown resulted in the destruction of a large modern barn and heavy farm equipment. Field crops were beaten down in the vicinity of the storm.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 142: June 14, 1980

The F1 tornado developed about 5 miles northwest of Manawa at Highway 161 near County Highway E in Waupaca County around 12:30 PM CST. The tornado crossed Highway 161 and then turned eastward and dissipated near Manawa. The tornado was 50 yards wide and traveled five miles before dissipating. Several residents in the area took several spectacular photographs of the twister.

Event 143: June 14, 1980

A small F1 tornado formed at Highway C one mile east of Rhinelander in Oneida County at 1:25 PM CST. The tornado was 50 yards wide and traveled eastward for a mile and a half before the tornado dissipated over Lake Thompson. A falling tree injured one person seriously and two other injuries were noted in a trailer court. One house and three trailers and several rural buildings suffered damage.

Event 144: June 14, 1980

The F0 tornado was reported 5 miles north of Rhinelander by the Oneida County sheriff's department at 2:22 PM CST. The brief tornado touched down in a rural area. There was no documentation on path length or width of the tornado.

Event 145: July 5, 1980

The F1 tornado struck the farm of Warren Otto just south of Valders in Manitowoc County around 12:30 AM CST. There was no documentation on path length or width of the tornado. The tornado destroyed a barn and machine shed, and farm machinery on the Warren Otto farm. Other farm buildings in the area also sustained minor damage.

Event 146: September 20, 1980

The Mattoon area of Shawano County was struck by the F1 tornado around 11:15 PM CST. The tornado was 35 yards wide and traveled a half mile before dissipating. Several buildings were damaged by the tornado.

Event 147: April 4, 1981

The brief F2 tornado touched down around 12:35 AM CST 4 miles west of Kiel in Calumet County. The tornado was only 25 yards wide and traveled about a quarter of a mile. Six trailers in a line in the Country Aire Trailer Court were destroyed. One trailer was lifted into the air and deposited upside down.

Event 148: June 13, 1981

The F1 tornado touched down at the Timber Ridge Country Club on Route 51 one mile north of Hazelhurst in Oneida County around 8:40 PM. There was no documentation on path length or width of the tornado. The tornado destroyed about one thousand trees.

Event 149: June 13, 1981

The F1 tornado touched down at County Highway N about a half mile north Sayner around 8:45 PM CST. The tornado moved east for three miles through the dense forest and cross the intersection of Highway N and Highway G then dissipated. The tornado damaged electric lines, telephone poles and trees. The tornado was fifty yards wide.

Event 150: June 13, 1981

There is very-little information available on this F2 tornado that struck Three Lakes in Oneida County around 9 PM. Path length and width were not available.

Event 151: March 30, 1982

The tornado initially touched down in the township of Armenia in Juneau County where it destroyed a house and 3 nearby mobile homes. Two occupants of the house were injured. The F1 tornado then moved northeast to just southeast of Nekoosa in Wood County around 2:05 PM CST. The tornado traveled intermittently on a 28 mile-path before dissipating 3 miles southwest of Stevens Point in Portage County around 2:40 PM CST.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 152: May 6, 1982

The F2 tornado cut a 9 mile-path from 2 miles south of Stephenville to one mile south of Black Creek in Outagamie County around 2:30 PM CST. The tornado reached a maximum width of 100 yards. Many small rural structures were destroyed. Some damage occurred to 12 large farm buildings and equipment inside. Two additional large barns were destroyed. Most of the damage occurred in Ellington Township.

Event 153: July 15, 1982

The F1 tornado swept southeast from May Flower Lake into rural areas at the south end of the lake in Marathon County around 7:15 PM CST. The tornado was 50 yards wide and traveled three quarters of a mile. Several trees were downed, and one residence was damaged.

Event 154: July 3, 1983

The Eagle River Municipal Airport in Vilas County was hit by the F1 tornado at 4:39 AM CST. The tornado was 20 yards wide and traveled a half mile before dissipating. Two single engine planes were destroyed, and thirteen others were damaged. Five eighths inch ropes holding the planes down were shredded. One plane cart-wheeled four hundred feet.

Event 155: July 3, 1983

The F2 tornado was first spotted near a home 6 miles west of Unity in Clark County around 5:35 PM CST. The tornado skipped across Clark County, skirting just north of Unity and crossed Highway 13 into Marathon County. In Marathon County, the tornado struck a farm just east of Highway 13, flipping a truck and camper as well as ripping a shed off its foundation. The tornado then struck a farm one mile east of Colby and just south of Highway N destroying many trees. The next farm to the east was struck and two hay wagons were flipped over, and a chimney was knocked off. The tornado hit a farm three miles east of Colby and one mile south of Highway N. A large barn was pushed off its foundation. The tornado moved across Highway F just south of Cherokee, and into an 18 acre-wooded lot destroying fifty large trees. Finally, a farm just east of Cherokee and south of Highway N took off the top of a silo. There were no further reports to the east. The tornado traveled approximately 6 miles and had a maximum width of fifty-five yards.

Event 156: July 3, 1983

The F1 tornado touched down in Birnamwood in Shawano County around 7 PM CST. The tornado was 50 yards wide and traveled a half mile.

Event 157: July 3, 1983:

The F0 tornado briefly touched down 5 miles northeast of Nekoosa in Wood County around 7:11 PM CST. The tornado was approximately 10 yards wide and traveled three tenths of a mile before dissipating.

Event 158: July 19, 1983

The F1 tornado touched down at Stockbridge Harbor in Calumet County around 7:25 PM CST. The tornado smashed a shed roof and damaged two homes near Lake Shore Drive. The tornado turned east southeast damaging two garages and one barn on Military Road and then Hickory Hill Road where the roof of a mobile home was destroyed. The tornado was 100 yards wide and traveled 2 miles before dissipating.

Event 159 April 27, 1984:

The F0 tornado briefly touched down in the township of Saratoga in Wood County around 4:05AM CST. The tornado was 50 yards wide and traveled a mile before dissipating. Numerous trees were downed, and some residential damage occurred. Hail the size of three quarters of an inch also fell during the storm.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 160: April 27, 1984

There were ten tornadoes on this date across the entire state. The F2 tornado touched 4 miles northwest of Antigo in Langlade County around 2:50 PM CST. The tornado was 20 yards wide and traveled 7.5 miles across Langlade County. One home and three barns were demolished, and twenty-five head of dairy cows were crushed to death in one barn.

Event 161: April 27, 1984

The F3 tornado developed near Fawn Lake in Oneida County around 2:37 PM CST. The tornado traveled to near Star Lake in Vilas County before dissipating around 3:07 PM CST. The tornado leveled several thousand acres of forest, destroyed or damaged 80 homes and cabins, ripped up docks and tossed boats in the air or wrapped them around trees. A Fawn Lake man was killed after getting his family to safety. The hardest hit areas were Fawn Lake, Two Lakes, Hasbrook and Gilmore Lakes in Oneida County. In Vilas County, the hardest hit areas were St. Germain Lake, Lost Lake and Star Lake. The tornado traveled 29 miles and reached a maximum width of 880 yards.

Event 162: April 27, 1984

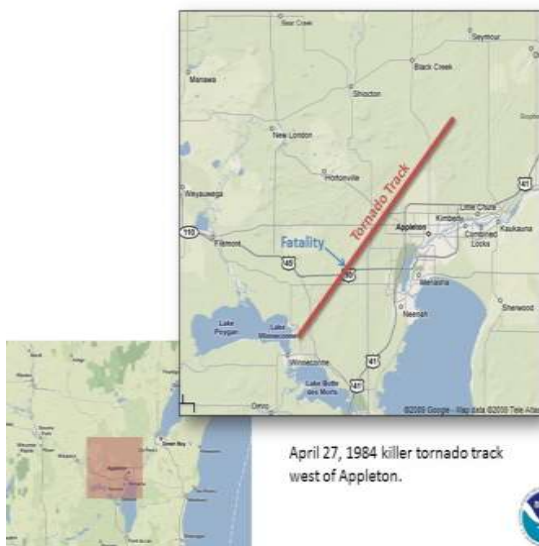
Another F3 tornado touched down on April 27th in Union township in Waupaca County around 2:55 PM CST. The tornado skipped north northeast to Legend Lake in Menominee County where the tornado dissipated around 3:40 PM CST. The tornado traveled 32 miles and reached a maximum width of 440 yards. Damage occurred to 41 homes and cabins, 5 barns, 19 garages and sheds as well as several hundred acres of forest. The hardest hit areas were around Marion in Waupaca County, the town of Pella in Shawano County, and the South Branch-Legend Lake areas of Menominee County. Overall, there were six tornadoes on this date across north central and northeast Wisconsin. The strongest tornado, an F4, occurred across Winnebago and Outagamie Counties around the same time these two tornadoes occurred. Across the state of Wisconsin, there were ten tornadoes reported on this date.

Event 163: April 27, 1984

The article for this date was written by Scott Cultice, forecaster at the National Weather Service in Green Bay. During the late afternoon of April 27, 1984, multiple super cell thunderstorms developed ahead of a strong cold front that moved across Wisconsin. Ten tornadoes were reported across the state, including three killer tornadoes: Tornadoes were reported in northern Wisconsin near St. Germain, one west of Appleton, and the third in southeast Wisconsin in Waukesha County. The outbreak of killer tornadoes was one of the bigger outbreaks in northeast Wisconsin since accurate tornado records began in 1950.

Around 3:20 PM CST, a tornado formed near the town of Butte des Morts in northern Winnebago County and quickly intensified into a destructive tornado. The violent storm moved northeast across the town of Clayton, killing one person, and destroying many houses. The tornado continued to track northeast toward the northwest side of the city of Appleton. By about 3:40 PM CST, the tornado wreaked havoc across the western edge of the Outagamie County Airport and near the town of Greenville. The tornado finally dissipated near Freedom.

An estimated two dozen homes were destroyed and many more were damaged across the Fox Valley that afternoon. The storm killed one person and injured 19 more. Total cost of the destruction over the Fox Valley was \$2.5 million (\$15 million in today's dollars). The tornado traveled on the ground at about 40 mph and, for a short time, was over one quarter mile wide. The twister was on the ground for over 27 miles. It was classified as an F4 tornado, now referred to as an EF4 on today's Enhanced Fujita Scale (wind speeds of 166-200 mph).



TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 170: June 8, 1985

A severe thunderstorm spawned a killer F3 tornado and dropped large hail as it rolled through Price and Oneida Counties, causing widespread property, crop, and timber damage. The tornado skipped from Park Falls to about 15 miles southeast of Rhinelander. The tornado first touched down one mile west of Park Falls around 6:15 PM CST and moved through the southern portion of the city. In Park Falls, 125 buildings were damaged with 12 houses and businesses were heavily damaged or destroyed. 26 people received mostly minor injuries in Park Falls. The tornado continued southeast, cutting an eighteen mile and 1.5 miles-wide swath through eastern Price County and into Minocqua in Oneida County where the tornado dissipated around 6:52 PM CST. Two people were killed and sixteen injured at Swamsauger Lake and Cedar Falls resort in the Willow Reservoir area in Oneida County. A man apparently drowned when the tornado lifted him and his house and deposited it into Swamsauger Lake. A woman was killed when a tree crashed through a vehicle in which she was seeking refuge. The tornado continued to the southwest portion of Rhinelander and then dissipated southeast of Monico. A total of 47 residences were heavily damaged or destroyed while another 43 more received some damage in Oneida County. Around 9,900 acres of timber and cranberry bogs were lost in Oneida County.

Event 171: June 8, 1985

The F2 tornado touched down around 8 PM CST near Sand Bay in Door County, causing some building damage. The tornado skipped east 5 miles across portions of Sturgeon Bay. The tornado was 150 yards wide. Garages, sheds and ten barns were leveled or blown away. Yachts were blown off cradles and hundreds of trees were downed. Property damage was estimated at \$1.8 million dollars. Hail up to five inches in diameter covered the ground to a depth of six inches just northeast of Sturgeon Bay. The storm caused an estimated \$1.5 million dollars in crop damage.

Event 172: July 4, 1985:

The F0 tornado touched down one mile north of Redgranite in Waushara County around 5:03 PM CST. The tornado was 50 yards wide and skipped along for 5 miles before dissipating one mile southwest of Pine River around 5:17 PM CST. The tornado damaged a house one mile southwest of Pine River. The storm also produced hail up to three and a half inches in the Richford and Hancock areas. The large hail dented 47 new cars at a dealership in Coloma.

Event 173: August 12, 1985

A large F2 tornado touched down around 6:13 PM CST six miles south of Marshfield in Wood County along highway B. The tornado traveled northeast across Highway EE and then slammed Auburndale. The tornado was on the ground for ten miles before the tornado dissipated in Auburndale around 6:30 PM CST. At its peak, the tornado was a massive 880 yards wide. Damage was estimated at \$5.5 million dollars. Fifty-eight dwellings and forty farms suffered damage. The Apache Gardens subdivision and the Wishkershen Trailer Park in Auburndale received substantial damage.

Event 174: August 12, 1985

The F0 tornado touched down one mile north of Richford in Waushara County around 7:30 PM CST. The tornado was 100 yards wide and traveled a half mile before dissipating. The tornado flattened 2 barns, damaged 5 homes and leveled many trees. Several sheds in Richford were destroyed and extensive window and roof damaged occurred.

Event 175: July 4, 1986

The F3 tornado touched down 2 miles south of Niagara in Marinette County at Highway 8 and Highway 141 around 7 PM CST. The tornado demolished a building next to a restaurant and slashed some trees. The tornado then skipped east-southeast and destroyed a home and garage, carrying its roof a half mile away. The tornado crossed the Menominee River and into the Carney-Nadeau area of Menominee County, Michigan around 7:25 PM CST. The tornado traveled 8 miles and was 100 yards wide.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 176: July 4, 1986

The F2 tornado touched down on the south shore of Windpudding Lake or 5 miles southeast of Hazelhurst in Oneida County around 7:35 PM CST. The tornado heavily damaged seven cottages and leveled numerous trees. A shed was blown thirty feet through the air. A dog inside the shed survived. The tornado traveled a mile and a half and reached a maximum width of 100 yards before it dissipated around 7:40 PM CST.

Event 177: July 24, 1986

The F1 tornado briefly touched down around 2:15 PM CST on South Shore Drive near Little St. Germain Lake near St. Germain in Vilas County. The tornado was 50 yards wide and traveled a quarter of a mile. Five buildings, some garages and some boats and docks were damaged. A dozen trees were snapped off at the base.

Event 178: July 2, 1987

A brief F1 tornado touched down just east of Pike Lake in Marathon County around 5:10 PM CST. The tornado was 75 yards wide and traveled two tenths of a mile before dissipating around 5:15 PM CST. Numerous trees were twisted and knocked down causing damage to seven homes, a boat trailer and one boat foundation.

Event 179: July 12, 1987

The F1 tornado touched down one mile south of Francis Creek in Manitowoc County around 11:27 AM CST. The tornado was 75 yards wide and traveled two tenths of a mile before dissipating around 11:30 AM CST. One house and a garage were destroyed. One barn, a shed and several trees were also damaged. Debris from the house was found as far as several miles away.

Event 180: August 14, 1987

Considerable damage from the F1 tornado occurred one mile west of Menasha in Winnebago County between 5:40 PM and 5:43 PM CST. The tornado was 100 yards wide and traveled a quarter of a mile. Most of the damage occurred at a warehouse where siding and a roof were twisted and ripped away. Two 100 square foot cement slabs were also torn from the building. Trees and power lines were downed as well.

Event 181: May 8, 1988

The F2 tornado developed four and a half miles southwest of Hadler in Marathon County around 5:10 PM CST. The tornado traveled 13 miles and reached a maximum width of 250 yards before dissipating in Rib Falls. Two people were injured in the town of Emmet when their mobile home trailer was rolled upside down. In all, three mobile homes, six large barns, three machine sheds and silos were destroyed with numerous buildings damaged. Thirty-nine acres of ginseng racks on sixteen farms were knocked off their posts causing \$450,000 in damage. The total cost of the tornado in Marathon County was over one million dollars in damage.

Event 182: May 8, 1988

In Waushara County, the F1 tornado traveled 5 miles from one mile south of Mount Morris to 3 miles northeast of Wild Rose between 5:06 and 5:12 PM CST. The tornado was 100 yards wide. Damage to structures and trees were reported along Silver Lake.

Event 183: May 8, 1988

The EF0 tornado touched down in rural areas 3 miles west of Keene in Portage County around 5:12 PM CST. The tornado was 25 yards wide and traveled a mile before dissipating.

Event 184: July 29, 1988

The brief F1 tornado touched down in the Eagle River in Vilas County around 8:30 PM CST. The tornado was 50 yards wide and only traveled a tenth of a mile. The tornado damaged the Northland Pines High School in Eagle River. Winds accompanying the storm downed signs and trees in the Eagle River area.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 185: August 1, 1988

The F1 tornado touched down one mile west of St. Germain in Vilas County around 6:52 PM CST. The tornado was 50 yards wide and traveled one mile. The tornado caused falling trees to damage cars and buildings one mile west of St. Germain. Another F0 tornado was reported at 7:22 PM CST two miles southeast of Eagle River.

Event 186: August 1, 1988

The brief F0 tornado occurred 3 miles south of Hazelhurst in Oneida County around 6:20 PM CST. The tornado was 25 yards wide and only traveled a tenth of a mile. The tornado damaged some trees.

Event 187: August 1, 1988

The brief F0 tornado occurred 2 miles southeast of Eagle River in Vilas County around 7:22 PM CST. The tornado was 25 yards wide and traveled three tenths of a mile. The tornado damaged some trees.

Event 188: August 4, 1988

The F1 tornado developed one mile east of Reedsville in Manitowoc County around 2:35 PM CST. The tornado was 25 yards wide and traveled 4 miles before dissipating two miles north of Cato around 2:45 PM CST. Two barns, one shed and several trees were damaged by the tornado.

Event 189: September 19, 1988

The brief F0 tornado developed one mile east of Plainfield in Waushara County at 4:05 PM CST. The tornado was 25 yards wide and only traveled a tenth of a mile. Little damage noted in the monthly storm report.

Event 190: September 19, 1988

The brief F0 tornado developed one mile west of Edgar in Marathon County at 4:37 PM CST. The tornado was 25 yards wide and only traveled a tenth of a mile. Little damage noted in the monthly storm report.

Event 191: May 24, 1989

The F1 tornado touched down 3 miles south of Oshkosh in Winnebago County between 8:10 and 8:15 PM CST. The tornado was 50 yards wide and traveled 1.2 miles before dissipating.

Event 192: May 24, 1989

The F1 tornado touched down 4 miles west northwest of Chilton in Calumet County around 9:05 PM CST. The tornado was 50 yards wide and was on the ground for a quarter of a mile.

Event 193: May 24, 1989

The brief F0 tornado touched down one mile east of Cooperstown in Manitowoc County at 9:15 PM CST. The tornado was 50 yards wide and traveled two tenths of a mile before dissipating.

Event 194: June 12, 1990

The F1 tornado hit a farm 2 miles west of Stratford in Marathon County around 6:35 PM CST. The tornado was 25 yards wide and was only on the ground for a tenth of a mile. According to newspaper reports, there was damage to some farm structures.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 195: June 14, 1991

The F1 tornado touched down 8 miles west northwest of Merrill in Lincoln County around 11:55 AM CST. The tornado was 50 yards wide and was on the ground for a mile. The tornado destroyed several trees, a barn and damaged a roof and porch of a house.

Event 196: June 27, 1991

The F2 tornado touched down 12 miles west-southwest of Minocqua in Oneida County around 6:20 PM CST. The tornado cut a 6 mile-swath from near Pine Lake to Franklin Lake to Marion Lake before dissipating around 6:30 PM CST. The tornado was 400 yards wide. Thirteen homes and one car were damaged along its path with damage estimated at \$350,000 dollars. In addition, 1,600 acres of industrial forest valued at \$240,000 were also damaged.

Event 197: July 28, 1991

The F0 waterspout was reported near Rock Island across extreme northern Door County at 10:15 AM CST. A second waterspout was reported near Washington Island.

Event 198: July 28, 1991

The F0 waterspout was reported near Washington Island across extreme northern Door County around 10:15 AM CST. A second waterspout was reported near Rock Island around the same time.

Event 199: September 14, 1991

The F0 tornado touched down briefly 2 miles west of Green Valley in Shawano County around 6:00 PM CST. The tornado was 25 yards wide and only traveled a tenth of a mile. Damage was confined to some trees and a pair of sheds.

Event 200: April 20, 1992:

The F1 tornado formed 2 miles southwest of Arpin in Wood County around 4 PM CST. The tornado was 25 yards wide and traveled 9.5 miles before dissipating a half mile south of Bethel or near Bakerville around 4:20 PM CST. Damage included: a shed was knocked down near Arpin, a mobile home was picked up and twisted around near Bethel and some roof damage was reported at Bakerville.

Event 201: May 16, 1992

The F1 tornado touched down 5 miles north of Junction City in Portage County around 2:30 PM CST. The tornado was 400 yards wide and traveled 1.3 miles before dissipating. The tornado damaged three homes, two sheds, and a mobile home roof 5 miles north of Junction City.

Event 202: May 16, 1992

The F2 tornado touched down 4 miles west of Keene in Portage County around 6:10 PM CST. The tornado was 400 yards wide and traveled eleven miles to 5 miles southeast of Amherst before dissipating around 6:30 PM CST. The tornado tossed a mobile home in the middle of a road in Plover Township and damaged fourteen homes, two farms, and a large amount of irrigation equipment.

Event 203: May 16: 1992

In Waupaca County, the F1 tornado touched down two and a half miles northeast of Northland around 6:30 PM CST. The tornado was 100 yards wide and was on the ground for a mile and a half. Many trees and three homes were damaged by the tornado.

Event 204: May 16: 1992

The F1 tornado formed near Lamers and Clancy Roads near Kaukauna in Outagamie County around 7:20 PM CST. The tornado was 100 yards wide and traveled several miles into extreme southwest Brown County where it dissipated 2 miles southwest of Wrightstown around 7:30 PM CST. Numerous trees were down, some of which landed on houses.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 205: June 17, 1992

The F0 tornado briefly touched down in an open field 2 miles northeast of Denmark in Brown County around 12:55 PM CST. The tornado was 25 yards wide and only traveled a tenth of a mile.

Event 206: July 19, 1992

The F1 tornado formed 2 miles west southwest of Stratford in Marathon County around 3:54 PM CST. The tornado was 400 yards wide and was on the ground for only a quarter of a mile. The damage from the tornado included: a destroyed barn, two houses and one garage damaged while several trees were downed.

Event 207: August 29, 1992

The F3 tornado touched down east of Big Flats in Adams County around 7 PM CST. The tornado skipped along a five-mile path, toppling trees, and downing a 24 by 30-foot building. The killer tornado traveled a 28 mile-path across Adams and Waushara Counties. The tornado was noted north of Coloma 710 PM just CST. The tornado then moved to Wautoma to just north of Redgranite and then to three miles southeast of Poy Sippi before dissipating around 7:55 PM CST. The hardest hit area was just south of Wautoma where a woman was killed when her mobile home was hurled several hundred feet into a parking lot. In addition, 30 people were injured, several critically. The tornado caused over ten million dollars in damage. All-together, forty-eight homes were destroyed, and ninety-five other structures sustained major damage, 289 received minor damage. 950 acres of trees were toppled by the tornadic winds.

Event 208: October 8, 1992

The F1 tornado touched down in the Gilbert Lakes area about 5 miles northeast of Wild Rose in Waushara County around 4:48 PM CST. The tornado was 400 yards wide and was on the ground for a mile. Fifteen homes and buildings were damaged while 500 oak and pine trees were also damaged.

Event 209: October 8, 1992

The F1 tornado touched down about 4 miles northeast of Blaine in Portage County and moved through the township of Lanark around 5:12 PM CST. The tornado was 100 yards wide and was on the ground for 2 miles. Ten homes and buildings were damaged, a barn and garage destroyed, and numerous trees were knocked down.

Event 210: June 8, 1993

Three weak tornadoes touched down across Waushara County during the evening. The F0 tornado developed two and a half miles south of Spring Lake around 6:38 PM CST. The tornado was 25 yards wide and traveled 8 miles before dissipating around 6:55 PM CST two miles west of Auroraville. Only minor damage was noted.

Event 211: June 8, 1993

Three weak tornadoes touched down across Waushara County during the evening. The F0 tornado developed a half mile east of Dakota around 7:15 PM CST. The tornado was 35 yards wide and traveled 12 miles before dissipating around 7:35 PM CST two miles south of Redgranite. Only minor damage was noted.

Event 212: June 8, 1993

Three weak tornadoes touched down across Waushara County during the evening. The F0 tornado touched down 5 miles southeast of Redgranite around 7:35 PM CST. The tornado was 25 yards wide and traveled 6 miles before dissipating at 7:45 PM three miles southeast of Auroraville. Only minor damage was noted.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 213: June 8, 1993

The F0 small tornado briefly touched down in an open field one mile east of Pickett in Winnebago County around 5:35 PM CST. The tornado was 25 yards wide and traveled a tenth of a mile.

Event 214: August 9, 1993

The F0 tornado touched down one mile north of Tripoli in Oneida County around 8:15 PM CST. The tornado was 50 yards wide and traveled three tenths of a mile. Little damage was noted with this tornado.

Event 215: April 24, 1994

The F0 tornado touched down 3 miles south of Luxemburg in Kewaunee County around 3:25 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. No damage was reported with this storm.

Event 216: April 26, 1994

The F1 tornado touched down a mile and a half north of Conover in Vilas County around 2:55 PM CST. The tornado was 150 yards wide and traveled four and a half miles before dissipating 3 miles southeast of Land O' Lakes around 3:05 PM CST. The tornado damaged a house just north of Conover and leveled hundreds of trees along its four and a half miles path into the Nicolet National Forest.

Event 217: May 30, 1994

The F2 tornado touched down 2 miles southwest of Crandon in Forest County around 8:50 PM CST. The tornado traveled 12 miles and reached a maximum width of 800 yards before dissipating one mile north of Laona around 9:16 PM CST. Three mobile homes and 25 homes were destroyed while 600 acres of timber was leveled. Three people were injured in a mobile that was destroyed by the tornado. The thunderstorms also produced tennis ball size hail as the storms passed through Rhinelander.

Event 218: July 4, 1994

The F0 tornado touched down 4 miles west of Fremont in Waupaca County around 4:49 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado did not produce any significant damage.

Event 219: July 5, 1994

A powerful F4 tornado cut a short but devastating path in northern Manitowoc County from two and a half miles northwest of Maribel around 3:43 PM CST to a half mile west of Cooperstown before dissipating around 3:55 PM CST. A second small tornado also developed two miles southwest of Cooperstown and carved out a minor damage path leveling a shed and tossing a grain box 300 yards. Much of the \$2.1 million in damages was inflicted by the first tornado. The tornado damaged 26 homes, 19 vehicles and one mobile home. Four heifers and two sheep were also killed. One man was injured when he was struck by a 55-gallon drum while a woman suffered minor injuries when pieces of a stone foundation fell on her. The tornado traveled three and a half miles and reached 150 yards in diameter.

Event 220: July 5, 1994

The F2 tornado touched down 2 miles southwest of Cooperstown in Manitowoc County around 3:53 PM CST. The tornado traveled about a mile and reached a maximum width of 150 yards. A shed was leveled, and a grain box was tossed about 300 yards. This was one of two tornadoes to hit Manitowoc County on this date. A stronger F4 tornado touched down two and a half miles northwest of Maribel and traveled to a half mile west of Cooperstown between 3:43 PM and 3:55 PM CST.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 221: July 8, 1994

The F1 tornado touched 3 miles northwest of Elderon in Marathon County around 2 PM CST. The tornado was 75 yards wide and only traveled two tenths of a mile. The tornado moved a garage off its foundation and wrecked a house roof and shed three miles northwest of Elderon.

Event 222: July 8, 1994

The F1 tornado formed three miles southeast of Aniwa in Shawano County around 2:16 PM CST. The tornado was 75 yards wide. The tornado only traveled two tenths of a mile. The tornado destroyed a garage and toppled trees three miles southeast of Aniwa.

Event 223: August 27, 1994

The F1 tornado formed in Hancock in Waushara County around 9:07 PM CST. The tornado was 75 yards wide and was on the ground for a mile and a half.

Event 224: August 27, 1994

The F1 tornado developed a mile and half south of Wausaukee in Marinette County around 9:41 PM CST. The tornado was 75 yards wide and was on the ground for 4 miles before dissipating three miles southeast of Wausaukee around 9:50 PM CST.

Event 225: June 29, 1995

The F0 tornado touched down 10 miles southwest of Kewaunee in Kewaunee County around 11:05 AM CST. The tornado was 10 yards wide and traveled a tenth of a mile. The weak tornado touched down only for a few seconds in southern Kewaunee County. Minimal crop damage was reported since this brief tornado occurred in open rural country. The tornado appeared to form on the Lake Michigan lake breeze.

Event 226: July 14, 1995

The EF1 tornado touched down a mile and a half southwest of Phelps in Vilas County around 4:40 PM CST. The tornado was 250 yards wide and traveled east for three and a half miles before dissipating just southeast of Phelps at 4:47 PM CST. Trees fell on cars, homes, and businesses.

Event 227: April 25, 1996

A cold-core F0 tornado briefly touched down 2 miles west of Pensaukee in Oconto County around 5:55 PM CST. The tornado was 40 yards wide and traveled a tenth of a mile before dissipating at 5:57 PM CST. Several 6 to 8 inches diameter birch trees were knocked down.

Event 228: June 11, 1996

The F0 tornado briefly touched down 5 miles northwest of Chilton in Calumet County near the intersection of County Trunk BB and Killsnake Road around 4:08 PM CST. The tornado was 30 yards wide and was on the ground for a tenth of a mile before dissipating around 4:09 PM CST. The tornado threw a pile of lumber 30 feet in the air, tore shingles off a shed and broke a window.

Event 229: July 18, 1996

The F1 tornado touched down a mile and a half southwest of Tomahawk at 4:20 PM CST. The tornado uprooted two trees at Bradley Park, then moved southeast across Lake Mohawkskin, flipping two boats over. The tornado moved back on land and tore part of a roof off a tavern while a garage was removed from its foundation. It continued to move into the Road Lake area where it produced its most significant damage. Three cottages were damaged after trees fell on them. The tornado reached a maximum width of 100 yards before it dissipated nearly three miles southeast of Tomahawk around 4:30 PM CST.

Event 230: July 18, 1996

The F0 waterspout was spotted 5 miles east of Oshkosh over Lake Winnebago in Winnebago County around 5:45 PM CST.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 231: July 18, 1996

The F1 tornado touched down 1.1 miles south of Jericho in Calumet County around 6:05 PM CST. The tornado was 100 yards wide and was on the ground a mile and a half before it dissipated 1.6 miles southeast of Jericho at 6:07 PM CST.

Event 232: July 18, 1996

The F0 developed 5.9 miles south of Chilton in Calumet County around 6:10 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado moved over a squad car, violently shaking it about. The tornado flattened portions of two nearby wheat fields.

Event 233: July 18, 1996

The F0 tornado developed 2.2 miles west northwest of St. Anna in Calumet County around 6:15 PM CST. The tornado was 50 yards wide and traveled a half mile before dissipating 1.8 miles west of St. Anna around 6:16 PM CST. The tornado damaged one farm, numerous trees and some crops. Calf houses at the farm were thrown 1,000 feet. The tornado entered Fond Du Lac County 1.6 miles southeast of Jericho and then reentered Calumet County 2.2 west north of St. Anna.

Event 234: August 7, 1996

The F2 tornado touched down six and a half miles north of Stratford in Marathon County around 1:45 AM CST, tearing the top portion of a home off, flattened a garage, and snapped off several large trees. The tornado continued east northeast for two and a half miles and reached a maximum width of 200 yards before dissipating two and a half miles north northwest of Fenwood around 1:49 AM CST. As the storm moved east, there was damage to a storage shed and thirty trees on a farm. A dozen of Ginseng shelters were thrown about. The tornado was not on the ground for the entire path.

Event 235: August 7, 1996

The brief F1 tornado touched down one mile north of Stratford in Marathon County around 1:46 AM CST. The tornado was 100 yards wide and only traveled two tenths of a mile before dissipating 1.2 miles northeast of Stratford around 1:47 AM CST. The tornado snapped off numerous large trees, some of which fell on the top of homes. In addition: a barn was demolished while a semi-trailer was flipped over, and a car moved 75 feet.

Event 236: August 7, 1996

The F1 tornado touched down four tenths of a mile southwest of Shantytown in Manitowoc County around 2:19 AM CST. The tornado was 100 yards wide and traveled nearly a half mile to Shantytown before dissipating around 2:21 AM CST. The tornado tore a 100 yard-swath through a cornfield. In Shantytown, the tornado tore the roof and garage off a home. Pieces of the roof were found one-quarter of a mile away from the home.

Event 237: July 16, 1997

The F2 tornado touched down in southeast Lincoln County eleven and a half miles southeast of Merrill around 2:38 PM CST. The storm traveled under a mile to the southeast into Marathon County before dissipating 12 miles southeast of Merrill around 2:40 PM CST. The tornado reached a maximum width of 100 yards. As the storms rolled through Lincoln County, softball size hail was reported northeast of Merrill.

Event 238: July 16, 1997

The F2 tornado touched down eight and a half miles northeast of Nutterville in Marathon County around 2:40 PM CST. The storm traveled just over three miles and reached a maximum width of 100 yards before dissipating 6.9 miles northeast of Nutterville around 2:45 PM CST. The tornado damaged several homes, vehicles, silos, and destroyed numerous barns, sheds and crops. Twenty head of dairy cattle were killed or had to be destroyed. There were two other tornadoes with this tornadic supercell. Total damage to crops and property from the five tornadoes, hail and straight-line winds in Marathon County alone topped \$10 million.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 239: July 16, 1997

The F0 tornado developed 4 miles southwest of Hogarty in Marathon County around 3 PM CST. The tornado was 75 yards wide and traveled two tenths of a mile before dissipating 4.2 miles southwest of Hogarty around 3:01 PM CST.

Event 240: July 16, 1997

The F0 tornado touched down 3 miles north of Sunset in Marathon County around 3 PM CST. The tornado was 15 yards wide and was on the ground for a tenth of a mile before dissipating at 3:01 PM CST.

Event 241: July 16, 1997

The F1 tornado briefly touched down two miles northeast of Ringle in Marathon County around 3:09 PM CST. The tornado was 50 yards wide and only traveled two tenths of a mile before dissipating 1.8 miles northeast of Ringle around 3:11 PM CST.

Event 242: July 16, 1997

The F0 tornado touched down 2 miles north of Elderon in Marathon County around 3:20 PM CST. The tornado was 75 yards wide and traveled two tenths of a mile before dissipating 1.8 miles north of Elderon around 3:22 PM CST.

Event 243: July 16, 1997

The F0 tornado touched down in Hancock in Waushara County at 4:41 PM CST. The tornado was 10 yards wide and traveled a tenth of a mile before dissipating at 4:42 PM CST. The tornado touched down in an open field in Hancock.

Event 244: March 29, 1998

The F0 tornado touched down in 3 miles west of Tomahawk in Lincoln County at 7:28 PM CST. The tornado was 75 yards wide and traveled four and a half miles before dissipating 3 miles north of Tomahawk at 7:35 PM CST. The tornado damaged several sheds, garages and a pole building west of Tomahawk. The storm also downed many power poles, disrupting power to thousands of customers.

Event 245: May 31, 1998

The brief F0 tornado touched down 4 miles west southwest of Mosinee in Marathon County at 12:20 AM CST. The tornado was 50 yards wide and was on the ground for two tenths of a mile before it dissipated 3.8 miles west southwest of Mosinee at 12:21 AM CST.

Event 246: May 31, 1998

The F1 tornado developed a half mile north of Stockbridge in Calumet County around 1:20 AM CST. The tornado was 75 yards wide and traveled 1.4 miles before dissipating 2 miles northeast of Stockbridge around 1:24 AM CST. The tornado destroyed a garage and silo, damaged two barns and overturned farm vehicles. A 2-by-4 was driven through the exterior wall of a house, narrowly missing one of the sleeping children.

Event 247: June 16, 1998

The F0 was designated a landspout in the monthly storm report. The tornado touched down 3 miles west northwest of Coloma in Waushara County at 3 PM CST. The tornado was 20 yards wide and was on the ground for a tenth of a mile. No damage was reported.

Event 248: August 23, 1998

The brief F0 tornado touched down near Menasha in Winnebago County at 3:22 PM CST. The tornado was 10 yards wide and traveled a tenth of a mile before dissipating. No damage was noted on the monthly storm report.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 249: August 23, 1998

Article written by National Weather Service Green Bay Staff

The F3 tornado struck a rural section of central Door County in Northeast Wisconsin during the evening of August 23, 1998. The multiple-vortex tornado was on the ground for nearly 14 minutes and carved a path of damage 5.1 miles long and 1/4 to over 1/2 mile wide at times. Damage was estimated at nearly \$7 million. The tornado, which moved off the waters of Green Bay, moved on shore three miles southwest of Egg Harbor at 5:30 PM CST, near Horseshoe Bay. Thousands of trees were snapped or uprooted as the tornado moved across the heavily wooded area in Murphy Park. The width of the damage path just after it came on shore was nearly one-half mile! The tornado then crossed Highway 42 at about 5:34 PM CST, severely damaging several houses and businesses. Damage in this area was rated F2 on the Fujita Scale of F0 to F5. About three minutes later the tornado ripped a two-story farm off its foundation, dropping it 20 yards away. Based on the house's construction, damage in this area was rated F3. Nearby, a campground was hit, causing considerable damage there to trees and campers. Amazingly, only two people were injured. The tornado weakened shortly thereafter, lifting off the ground three miles west-northwest of Jacksonport at around 5:44 PM CST.

AUGUST 23, 1998 DOOR COUNTY EF3 TORNADO

This photo was taken about the time the super cell thunderstorm was entering the Bay of Green Bay, off the Menominee, Michigan coast around 5:05 PM CST. The picture was taken 75 miles south of the storm. (Photograph:1998 by Michael Schardt).



This picture was taken around 5:15 PM CST, about the time the supercell was producing the waterspout on the bay. The picture was taken 25 miles south of the storm. (Photograph © 1998 Ray Fulwiler)

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 249: August 23, 1998 Continued



These photos were taken by Tom Janssen II at Murphy Park, which was hit by the tornado. The two on the left show the waterspout just after it developed, around 5:15 PM CST. The third picture was taken a little after 5:20 PM CST. The tornado was off the Door county shore over the Bay of Green Bay.

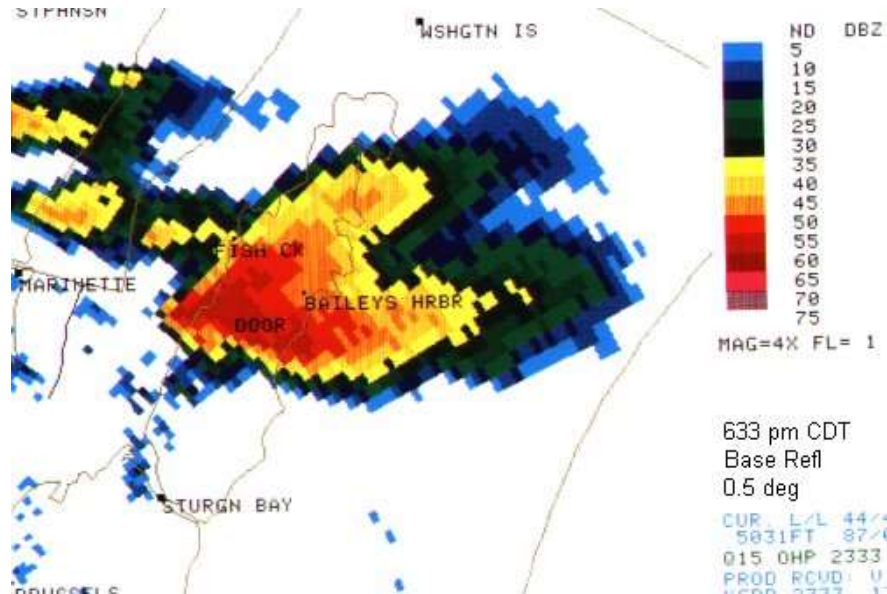


These pictures were taken by Gary Gridley, from Egg Harbor. The photo on the left was taken at 5:25 PM CST. The picture on the right was taken around 5:30 PM CST, as the tornado was coming onshore at Murphy Park.

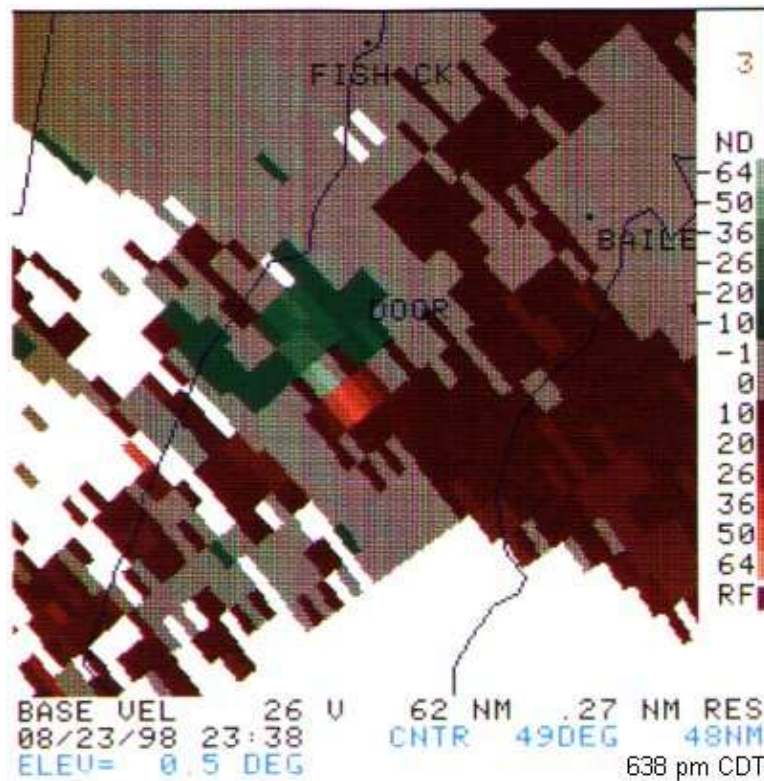
TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 249: August 23, 1998



This image shows the supercell thunderstorm as viewed by the radar. The image was taken at 6:33 PM CDT.



The second image shows the tornado vortex signature 9 minutes later (6:38 PM CDT) near the time it was producing F3 damage. At this point, the radar measured 94 knot (108 mph) winds (ground relative) at about 4,100 feet above the ground.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADES / WATERSPOUTS

Event 249: August 23, 1998

Door County Tornado Damage



Here is a panoramic view looking east on Hwy 42. The damage width (which goes off the picture on both sides) was over ¼ mile wide as it passed over Hwy 42. (Photograph by Jeff Last)



This building (left picture) was on the south side of the tornado as it passed over Hwy 42 (Photograph by Jill Last, former NWS Green Bay forecaster). There used to be a farmhouse and barn here (picture on right).

Event 250: May 5, 1999

The F0 tornado touched down one-mile west northwest of Tomahawk in Lincoln County at 4:30 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile before dissipating at 4:31 PM CST.

Event 251: August 3, 1999

The F0 tornado briefly touched down 3 miles west of Pittsville in Wood County at 5:45 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile. The tornado knocked down trees 3 miles west of Pittsville.

Event 252: August 4, 1999

The F0 waterspout was reported by a vessel on the lake 21 miles east southeast of Sturgeon Bay in Door County at 4:05 PM CST. The crew of the vessel observed two other waterspouts about 21 miles east southeast of Sturgeon Bay. The U.S. Coast Guard relayed the report they received from the vessel on the lake.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 253: September 9, 1999

The F0 waterspout was reported 3 miles north of Sister Bay in Door County at 2:55 PM CST.

Event 254: September 19, 1999

The crew of a ship off the Door County shoreline, 8 miles southeast of Sturgeon Bay, spotted the F0 waterspout at 4:46 PM CST and then dissipated around 5:10 PM CST. There may have been other waterspouts in the vicinity of the one reported.

Event 255: May 12, 2000:

The brief F0 tornado touched down 5 miles west northwest of St. Nazianz in Manitowoc County around 10:43 AM CST. The tornado was 50 yards wide and was on the ground for a tenth of a mile. No damage was reported with the tornado. The thunderstorms that produced the tornado were some of the most devastating thunderstorms to move across northeast Wisconsin. The combination of 100 mph straight line winds and 2 inch-hail produced serious damage in St. Nazianz. Thirty people were injured by the storm in Manitowoc County with 100 homes destroyed by the wind and hail.

Event 256: July 13, 2000

The F0 tornado touched down 1.5 miles northeast of Forestville in Door County at 2:55 PM CST. The tornado was 50 yards wide and was on the ground for a tenth of a mile. The monthly local storm report did not indicate any damage.

Event 257: July 20, 2000:

Boaters spotted the F0 waterspout two miles west of Sister Bay in Door County at 12:58 PM CST.

Event 258: July 27, 2000

The F0 tornado first touched down 1.5 miles west of Harmony in Marinette County at 7:07 PM CST. The tornado was 50 yards wide and was on the ground for four tenths of a mile before it dissipated 1.1 miles west southwest of Harmony at 7:10 PM CST. Another F0 tornado occurred at 7:30 PM CST 1.7 miles west of Peshtigo. The first tornado report was received even before the storm became visible on radar.

Event 259: July 27, 2000

The brief F0 tornado touched down 1.7 miles west of Peshtigo in Marinette County at 7:30 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile.

Event 260: August 14, 2000

The brief F0 tornado touched down at Lake Tomahawk in Oneida County at 7:10 PM CST. The tornado was 25 yards wide and was on the ground a tenth of a mile. The tornado damaged trees in the Lake Tomahawk area.

Event 261: April 23, 2001

The waterspout F0 developed 6 miles west southwest of Fairland in Door County around 1:26 PM CST. The waterspout moved north along the shoreline before it dissipated 9 miles northwest of Sturgeon Bay.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 263: September 6, 2001

The F0 tornado touched down three tenths of a mile south southwest of Pelican Lake in Oneida County around 6:09 PM CST. The tornado was 30 yards wide and was on the ground for a half mile before dissipating 1.3 miles north northeast of Pelican Lake around 6:14 PM CST. The tornado caused minor damage to the Pelican Lake Supper Club, blew the roof off a nearby house and destroyed a garage. The tornado also caused minor damage to the Pelican Lake Town Hall and uprooted several trees.

Event 264: April 18, 2002

The brief F0 tornado touched down 2 miles west of Bradley in Lincoln County at 3:49 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado snapped several trees.

Event 265: April 18, 2002

The brief F0 tornado touched down 6 miles southwest of Woodboro in Oneida County at 3:57 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado snapped several trees.

Event 266: April 18, 2002

The brief F0 tornado touched down 4 miles east of Rhinelander in Oneida County at 4:33 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado snapped several trees.

Event 267: April 18, 2002

The F1 tornado formed 3 miles southeast of Stratford in Marathon County around 6:13 PM CST. The tornado was 100 yards wide and traveled 14 miles before dissipating 6 miles northwest of Mosinee around 6:27 PM CST. The tornado downed hundreds of trees, while numerous barns and farm sheds were destroyed by a combination of the tornado and straight-line winds. Plows had to be used to clear trees from some of the roads.

Event 268: April 18, 2002

The brief F0 tornado touched down 6 miles south southwest of the Wausau Airport in Marathon County around 6:32 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado snapped several trees.

Event 269: May 6, 2002

The F0 tornado touched down 5 miles northwest of Winneconne in Winnebago County around 4:30 PM CST. The tornado was 50 yards wide and traveled four miles on the ground before dissipating 2.5 miles north of Winneconne around 4:40 PM CST. The tornado moved across Lake Winneconne.

Event 270: May 6, 2002

The brief F0 tornado touched down 8 miles north of Wittman Field in Oshkosh in Winnebago County at 5:02 PM CST. The tornado was 20 yards wide and was only on the ground for a tenth of a mile. No damage was noted with the tornado.

Event 271: July 30, 2002

The F0 tornado touched down ten and a half miles west of Merrill in Lincoln County around 5:47 PM CST. The tornado was 150 yards wide and skipped along the ground for 1.2 miles before dissipating nine and a half miles west of Merrill around 5:50 PM CST.

Event 272: July 30, 2002

The F0 tornado developed 5 miles north of Merrill in Lincoln County at 6:08 PM CST. The tornado was 200 yards wide and traveled on the ground for 9 miles before dissipating nine and a half miles northeast of Merrill at 6:28 PM CST. The tornado destroyed a barn and another structure, tearing roofs from some buildings and moving others from their foundation.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 273: July 30, 2002

The F0 tornado developed 3 miles west of the Central Wisconsin Airport in Marathon County at 6:22 PM CST. The tornado was 100 yards wide and traveled just over 2 miles on the ground before dissipating eight tenths of a mile west of the Central Wisconsin Airport at 6:28 PM CST. The tornado caused significant tree damage on a hill east of the Wisconsin River.

Event 274: July 30, 2002

The F0 tornado formed 8.5 miles northeast of Merrill in Lincoln County at 6:25 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado demolished a mobile home and snapped trees and tree limbs.

Event 275: September 2, 2002

The F0 tornado touched down 5.2 miles west of Athens in Marathon County at 5:04 PM CST. The tornado was 75 yards wide and was on the ground for two tenths of a mile before dissipating at 5:06 PM CST. The tornado caused minimal damage.

Event 276: September 2, 2002

The F1 tornado developed 6 miles northwest of Wausau in Marathon County around 5:35 PM CST. The tornado was 200 yards wide and was on the ground for five miles before dissipating 4 miles northeast of Wausau around 5:43 PM CST. The tornado destroyed two barns, a garage, and a shed. It also snapped hundreds of trees, heavily damaged 6 homes and caused minor damage to 25 others. At least two vehicles traveling on Highway 51 were blown off the road. A trailer being towed by one of the vehicles was blown over and a large road sign hit the vehicle. The driver was injured and transported to the hospital.

Event 277: September 30, 2002

The F1 tornado touched down in southeast Florence County, five and a half miles south southeast of Spread Eagle around 6:10 PM CST. The tornado was 400 yards wide and traveled seven tenths of a mile before dissipating five and a half miles southeast of Spread Eagle around 6:11 PM CST. The tornado destroyed a pole barn, a garage that was under construction and 6 to 10 outbuildings. 150 to 250 trees and power lines were downed, causing numerous power outages. The tornado tracked east-northeast across the Menominee River into upper Michigan where it continued to do damage.

Event 278: September 30, 2002

The F2 tornado developed 8 miles west of Tomahawk in Lincoln County around 6:30 PM CST. The tornado traveled approximately 3 miles to the northeast and reached a maximum width of 250 yards before dissipating four and a half miles northwest of Tomahawk around 6:35 PM CST. The tornado did significant damage, uprooting or snapping off thousands of trees along its path. A house in the path of the tornado suffered major structural damage, a camping trailer was thrown 300 feet, and a car was thrown into a tree coming to rest at least fifteen feet above the ground. Two barns were also destroyed.

Event 279: June 8, 2003

The brief F0 tornado touched down 4 miles west of Oshkosh in Winnebago County at 11:40 AM CST. The tornado was 15 yards wide and traveled a tenth of a mile before dissipating.



Event 280: June 8, 2003

The F0 waterspout was photographed about 5 miles east of Oshkosh Wittman Field in Winnebago County at 12:20 PM CST. The waterspout was 40 yards wide and traveled a half mile before dissipating 5.5 miles east southeast of Oshkosh Wittman Field. The waterspout was observed by numerous participants of a fishing tournament that was taking place on the lake (Photo by Troy Peterson).

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 281: June 8, 2003

The F0 waterspout was reported 4.3 miles west of Brothertown in Calumet County at 12:42 PM CST. The waterspout was 40 yards wide and traveled four tenths of a mile before dissipating 4.1 miles west southwest of Brothertown at 12:46 PM CST.

Event 282: June 8, 2003

The F0 tornado touched down 4 miles south of the Marshfield Municipal Airport in Marshfield in Wood County at 12:59 PM CST. The tornado was 50 yards wide and traveled a tenth of a mile before dissipating 4.1 miles south of the Marshfield Municipal Airport at 1:02 PM CST. The tornado tore siding from a garage, broke windows, destroyed a playhouse and doghouse, and blew two 50-pound barrels 200 yards away.

Event 283: August 3, 2003

The F1 tornado touched down three tenths of a mile west of Potter in Calumet County around 1:59 PM CST. The tornado was 75 yards wide and was on the ground for nearly a half mile before dissipating two tenths of a mile east northeast of Potter around 2:03 PM CST. The tornado damaged several houses, outbuildings, and trees around Potter.

Event 284: May 23, 2004

The F0 tornado touched down 2.7 miles east of Reedsville in Manitowoc County at 5:47 AM CST. The tornado was 75 yards wide and was on the ground for a tenth of a mile. The tornado damaged shingles and siding on a house and snapped trees and large branches.

Event 285: June 23, 2004

The F1 tornado touched down 3 miles west northwest of Almond in Portage County around 6:46 PM CST. The tornado was 25 yards wide and was on the ground for a mile and a half before dissipating 3 miles north northeast of Almond around 6:48 PM CST. The tornado knocked down several trees and a fence, damaged the roof of a house and damaged some outbuildings.

Event 286: June 23, 2004

The F0 tornado touched down in Whiting in Portage County at 6:47 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile. The tornado caused minor tree damage in an industrial park in Whiting. Eyewitnesses observed water being sucked out of a pond at the same time as doors to an office was sucked open.

Event 287: June 23, 2004

The F1 tornado touched down 3 miles southeast of Blaine in southeastern Portage County around 6:53 PM CST. The tornado was 100 yards wide and traveled two and a half miles to 5 miles east southeast of Blaine at 6:56 PM CST. The tornado downed trees and overturned an irrigation system.

Event 288: June 23, 2004

The F2 tornado originally touched down in southeast Portage County. The tornado then strengthened as it moved into southwest Waupaca County 9 miles west of Waupaca around 6:56 PM CST. The tornado was 125 yards wide and traveled 11 miles before dissipating 2 miles southwest of Lind Center at 7:06 PM CST. The tornado scoured asphalt off a road, destroyed a barn, sheared off the top 50 feet of a silo crushing 3 calves, damaged a sheet metal outbuilding, and killed 3 sheep. The tornado tore the roof from a house and destroyed the garage, overturned a semitrailer, and moved it 50 feet. Many trees were snapped off or uprooted. Some of the debris from this tornado landed several miles to the east in the Fremont area of Waupaca County.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 289: June 23, 2004

The F1 tornado touched down in at least four locations from Little Chute to Kaukauna in Outagamie County between 8 PM and 8:08 PM CST. The tornado was 100 yards wide and traveled 3.5 miles before dissipating. The tornado toppled or twisted large trees, ripped parts of the roofs from residential and commercial buildings, destroyed storage sheds and an old barn. Semi-trailers were overturned, some of them onto other vehicles.

Event 290: June 23, 2004

The brief F0 tornado touched down on the northwest side of Green Bay in Brown County at 8:27 PM CST. The tornado was 10 yards wide and traveled a tenth of a mile. The tornado caused some tree damage.

Event 291: July 11, 2004

The brief F0 tornado touched down 8 miles southwest of Harshaw in Oneida County at 2:42 PM CST. The tornado was 60 yards wide and was on the ground for two tenths of a mile before dissipating at 2:45 PM CST. The tornado topped many trees onto power lines and damaged a pontoon boat.

Event 292: July 11, 2004

The brief F0 tornado touched down one mile west of Goodnow in Oneida County at 3:43 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile.

Event 293: July 11, 2004

The brief F0 tornado touched down in Irma in Lincoln County at 3:45 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile.

Event 294: July 11, 2004

The brief F0 tornado touched down 6 miles west of Tomahawk in Lincoln County at 4:13 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile. A pair of tornadoes touched down simultaneously west of the Tomahawk Airport.

Event 295: July 11, 2004

The brief F0 tornado touched down 6 miles west of Tomahawk in Lincoln County at 4:13 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile. A pair of tornadoes touched down simultaneously west of the Tomahawk Airport.

Event 296: July 11, 2004

The brief F0 tornado touched down 4 miles west of Tomahawk in Lincoln County at 4:40 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile.

Event 297: July 13, 2004

The F1 tornado touched down 1.4 miles northwest of Clark Mills in Manitowoc County around 2:40 PM CST. The tornado was 500 yards wide and traveled just over four miles before dissipating 2.8 miles southeast of Clark Mills around 2:52 PM CST. The tornado caused extensive damage two farms. The tornado destroyed two garages, two barns, two milking parlors and three silos. The tornado also destroyed 45 calf hutches and about 80 acres of alfalfa. The tornado snapped and uprooted trees and carried a calf about a half a mile away where it was found still alive.

Event 298: May 6, 2005

The F0 waterspout touched down 7 miles east southeast of Oshkosh Wittman Field in Winnebago County at 3:24 PM CST. The waterspout was 50 yards wide and was on the ground for eight tenths of a mile before dissipating 7.8 miles east southeast of Oshkosh Wittman Field at 3:25 PM CST.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 299: May 6, 2005

The F0 waterspout touched down 5 miles west southwest of Brothertown in Calumet County at 3:25 PM CST. The waterspout was 50 yards wide and was on the water for over a mile and a half before dissipating 3.7 miles southwest of Brothertown at 3:29 PM CST.

Event 300: June 4, 2005

The F0 touched down one mile east of Auroraville in Waushara County at 1:54 PM CST. The tornado was 75 yards wide and was on the ground for two tenths of a mile. No significant damage was noted from this tornado.

Event 301: June 4, 2005

The F0 touched down 2 miles northwest of Borth in Waushara County at 2:05 PM CST. The tornado was 50 yards wide and was on the ground for a tenth of a mile. No significant damage was noted from this tornado.

Event 302: June 4, 2005

The F0 touched down 4 miles west of Edgar in Marathon County at 3:27 PM CST. The tornado was 75 yards wide and was on the ground for 1.2 miles before dissipating four and a half miles west northwest of Edgar at 3:29 PM CST. No damage was noted in the month storm report for this tornado.

Event 303: June 4, 2005

The F0 touched down a mile west of Athens in Marathon County at 3:39 PM CST. The tornado was 100 yards wide and was on the ground for 1.3 miles before the tornado dissipated a mile and a half northwest of Athens at 3:42 PM CST. The tornado downed some trees, flattened a barn, and tore the roof from another barn.

Event 304: June 4, 2005

The F0 touched down 4 miles south of Athens in Marathon County at 5:06 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The monthly local storm report did not indicate any damage from this tornado.

Event 305: June 4, 2005

The F0 touched down 3 miles west of Marathon in Marathon County at 5:20 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The monthly local storm report did not indicate any damage from this tornado.

Event 306: June 4, 2005

The F0 waterspout touched down on Lake Michigan 5 miles east of Kewaunee in Kewaunee County at 5:30 PM CST.

Event 307: June 4, 2005

The F0 touched down 7 miles south of Hogarty in Marathon County at 7:18 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The monthly local storm report did not indicate any damage from this tornado.

Event 308: June 9, 2005

The F0 waterspout touched down 5 miles southeast of Oshkosh on Lake Winnebago in Winnebago County at 5:40 PM CST. The waterspout was 40 yards wide and traveled 3 miles before dissipating 5 miles east of Oshkosh at 5:50 PM CST.

Event 309: June 9, 2005

The F0 waterspout touched down 4 miles northwest of Stockbridge on Lake Winnebago in Calumet County at 6:14 PM CST. The waterspout was 25 yards wide and was on the water for a tenth of a mile.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 310: June 10, 2005

The F0 tornado touched down 4 miles west of Mosinee in Marathon County at 1:03 PM CST. The tornado was 20 yards wide and was on the ground for a tenth of a mile. No damage was noted in the monthly storm data.

Event 311: June 10, 2005

The F0 tornado touched down one mile north of Winneconne in Winnebago County at 3:05 PM CST. The tornado was 20 yards wide and was on the ground a tenth of a mile.

Event 312: June 10, 2005

The F0 tornado touched down 2 miles west of Clintonville in Waupaca County at 3:10 PM CST. The tornado was 20 yards wide and was on the ground a tenth of a mile.

Event 313: June 10, 2005

The F0 waterspout was reported 4 miles east southeast of Oshkosh on Lake Winnebago in Winnebago County at 7:10 PM CST. The waterspout was 20 yards wide and was on the water a tenth of a mile. This was one of 3 waterspouts reported on Lake Winnebago on this evening.

Event 314: June 10, 2005

The F0 waterspout was reported 3 miles east southeast of Oshkosh on Lake Winnebago in Winnebago County at 7:22 PM CST. The waterspout was 20 yards wide and was on the water a tenth of a mile. This was one of 3 waterspouts reported on Lake Winnebago during the evening.

Event 315: June 10, 2005

The F0 waterspout was reported 3 miles east southeast of Oshkosh on Lake Winnebago in Winnebago County at 7:48 PM CST. The waterspout was 20 yards wide and was on the water a tenth of a mile. This was one of 3 waterspouts reported on Lake Winnebago on this evening.

Event 316: June 13, 2005

The F0 tornado touched down 4.1 miles north northeast of Black Creek in Outagamie County at 2:49 PM CST. The tornado was 75 yards wide and was on the ground two tenths of a mile before it dissipated 4.1 miles north northeast of Black Creek at 2:50 PM CST. The tornado knocked down a tree and caused damage to shingles at a residence.

Event 317: August 18, 2005

The F0 tornado touched down 6 miles west southwest of Wautoma in Waushara County at 5:32 PM CST. The tornado was 80 yards wide and was on the ground for two miles before dissipating 3.7 miles south of Wautoma at 5:36 PM CST. The tornado snapped off or uprooted many trees and caused damage to a few buildings and some farm equipment. A tree fell onto a large pole building, causing major damage to one of its sides. A porch at a residence was destroyed by a fallen tree limb while a portion of the metal roof of a barn was torn from it and thrown about 200 feet. An irrigation system was also damaged.

Event 318: August 18, 2005

The F0 tornado touched down 4 miles south southwest of New London in Waupaca County at 6:38 PM CST. The tornado was 40 yards wide and was on the ground for 1.2 miles before dissipating 3.4 miles southwest of New London at 6:41 PM CST. The tornado snapped large trees and a few buildings in its path. The tornado shifted a large barn, destroyed a small metal shed and threw it about a quarter of a mile. An outbuilding was overturned and thrown 30 to 40 feet into a stand of trees.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 319: August 18, 2005

The F0 tornado touched down four and a half miles west of Neenah in Winnebago County at 6:40 PM CST. The tornado was 50 yards wide and was on the ground for four miles before dissipating 2.6 miles northwest of Neenah at 6:48 PM CST. The tornado downed trees, stripping some siding from a home and destroying a corn crib.

Event 320: August 18, 2005

The F1 tornado developed 6 miles east northeast of Wrightstown in Brown County around 7:45 PM CST. The tornado was 100 yards wide and traveled one mile before dissipating 6.8 miles east northeast of Wrightstown at 7:49 PM CST. About 75 trees were downed or snapped and several structures along its path were destroyed. Two wooden garages were destroyed, and debris scattered for several hundred feet. The walls of a house that were under construction were blown down. A part of a steel roof of a commercial building was damaged. A heavy wooden bench was picked up from the front porch and thrown several hundred feet away behind the house. The tornado was part of a record tornado outbreak in Wisconsin.

Event 321: August 18, 2005

The F1 tornado developed six and a half miles south southwest of Manitowoc in Manitowoc County at 8:35 PM CST. The tornado was 100 yards wide and traveled one and a half miles before dissipating 5.7 miles south of Manitowoc at 8:39 PM CST. The tornado damaged a farm, snapped, or uprooted around 50 large trees while several hay wagons and trailers were overturned. A concrete silo was destroyed and another damaged. The roof of a barn sustained extensive damage. Part of the barn and silo were found in trees a third of a mile away. The tornado was part of a record tornado outbreak in Wisconsin.

Event 322: September 13, 2005

The F0 tornado touched down in De Pere in Brown County at 5:09 PM CST. The tornado was 50 yards wide and traveled 1.9 miles before the tornado dissipated in Allouez just north of Heritage Hill State Park at 5:12 PM CST. The tornado's occasional brief touchdowns topped numerous trees. Some of the trees caused damage to buildings and vehicles when they fell. The tornado caused little direct structural damage to any buildings.

Event 323: June 18, 2006

The F0 waterspout was reported 3 miles northwest of Sister Bay in Door County at 4:43 PM CST.

Event 324: June 24, 2006

The F0 waterspout was reported 4 miles west of Sherwood on Lake Winnebago in Calumet County at 4:14 PM CST. The waterspout remained nearly stationary for a minute before dissipating.

Event 325: September 29, 2006

The F0 waterspout was reported off Door County, from Chambers Island to 12 miles southeast of Cedar River, Michigan around 9:20 AM CST. The last report of the waterspout was around 9:55 AM CST.

Event 326: June 3, 2007

The brief EF0 landspout was reported about 2 miles east southeast of Shawano in Shawano County at 6:11 PM CST. The landspout lasted 20 seconds and was observed and photographed. No damage was reported.

Event 327: June 7, 2007

There were five tornadoes on this date across north central and northeast Wisconsin. The EF2 tornado developed nine tenths of a mile west Peplin in Marathon County around 3:01 PM CST. The tornado traveled just over 7 miles and reached a maximum width of 225 yards before it dissipated nearly a mile north of Pike Lane around 3:14 PM CST. At least 8 homes, 10 barns, and numerous trees were damaged.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 328: June 7, 2007

The EF0 tornado touched down 2.2 miles south of Wisconsin Rapids in Wood County at 3:26 PM CST. The brief tornado was seen by a storm chaser before dissipating 2.1 miles south of Wisconsin Rapids. The same storm also produced hail up to 5.5 inches in diameter in Port Edwards and Wisconsin Rapids.



Event 329: June 7, 2007

By National Weather Service Green Bay Staff

Fast moving supercell thunderstorms with damaging winds, hail larger than 5 inches in diameter, and tornadoes ripped across central and northeast Wisconsin on June 7, 2007. Five tornadoes touched down in central and northeast Wisconsin.

Map of northeast Wisconsin and tornado tracks. Not denoted on the map is an area of straight-line wind damage in the Thunder Mountain area of western Marinette County, caused by the same supercell that produced the long-track tornado.

Menominee-Langlade-Oconto Counties Long-Track Tornado

A long-track tornado touched down at 3:31 PM CST east of Mattoon in Shawano County and continued northeast to the Oconto-Marinette County line. The tornado was on the ground for at least 40 miles and was over 1/2 mile wide at times. Over 14,000 acres of trees were snapped or flattened, and many dozens of buildings were damaged or destroyed. The twister was rated an EF3 on the Enhanced Fujita scale, with estimated winds of 140 to 160 mph.



Picture on left: Tornado passing south of the town ship of White Lake in Langlade Co. Picture courtesy: WAOW-TV.

Picture on right: Tornado as seen from HWY T in southwest Oconto Co. Picture courtesy of the Wisconsin Department of Natural Resources.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER
GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 329: June 7, 2007 continued



Path of tornado damage: Viewed by Aqua MODIS satellite. Courtesy: ERSC, UW-Madison.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 329: June 7, 2007 continued

June 7, 2007: Tornadoes and Monster Hail



Picture above: Damage at the Bear Paw Resort.



Picture on the left: More damage at the Bear Paw Resort.



Picture on the right: This is what remained of a double-wide mobile home in the town of Riverview. The owner heard the Tornado Warning and went into the bathtub (circled in large view) and escaped without a scratch!

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 329: June 7, 2007 continued



Looking northeast across Hwy 64 in Oconto Co. The damage path was as much as 3/4 mile wide in this area. Picture is courtesy of the Wisconsin DNR

Event 330: June 7, 2007

The EF1 tornado developed a half mile west of Cedarville in Marinette County around 4:37 PM CST. The tornado was 200 yards wide and traveled three miles before it dissipated 2.5 miles east northeast of Cedarville around 4:40 PM CST. The tornado tore a significant portion of the roof from one home, snapped a few trees and uprooted numerous others. A manufactured home was moved off its foundation and down an embankment.

Event 331: June 7, 2007

The EF1 tornado developed three and a half miles west of Harmony in Marinette County around 5:16 PM CST. The tornado was 200 yards wide and traveled 3.6 miles before dissipating 1.2 miles north of Harmony, or 2.9 miles south-southwest of Porterfield around 5:20 PM CST. One person was injured by flying debris as she sought refuge in their home. The tornado flattened a barn, tore a significant part of a sheet metal roof from an outbuilding, blew in a garage door and tore part of a roof deck over the garage from a home that was under construction.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 332: June 20, 2007

The EF0 waterspout was reported 6 miles northwest of Ellison Bay in Door County at 4:06 PM CST.

Event 333: May 25, 2008

The EF0 tornado touched down 3 miles east northeast of Knowlton in Marathon County at 8 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile before dissipating at 8:01 PM CST. Several apple trees were damaged in a narrow path. A pine tree fell on a shed as well. The tornado was on the ground for less than 30 seconds.

Event 334: July 19, 2008

The brief EF1 tornado touched down 3.8 miles west northwest of Menasha in Winnebago County around 10:44 PM CST. The tornado was 40 yards wide and traveled a half a mile before it dissipated 3.4 miles west northwest of Menasha at 10:45 PM CST. The tornado produced sporadic damage along a narrow path almost a half a mile long. An apartment complex sustained the heaviest damage. Four buildings were affected, two of which lost parts of their roofs.

Event 335: July 29, 2008

The EF0 tornado briefly touched down 3.6 miles northwest of Granite Heights in Marathon County at 3:27 PM CST. The tornado was 15 yards wide and traveled a tenth of a mile. Law enforcement witnessed the brief tornado touchdown north of Brokaw near the Lincoln County border. No damage was reported.

Event 336: July 29, 2008

The EF0 tornado briefly touched down 6.2 miles north northwest of Kalinke in Marathon County at 3:59 PM CST. The tornado was 25 yards wide and traveled a quarter of a mile before dissipating at 4 PM CST. The tornado touched down just south of County Line Road near County Road Q. Several trees in an open field were knocked over.

Event 337: July 29, 2008

The EF0 tornado touched down 4.2 miles southeast of Nasonville in Wood County at 5:44 PM CST. The tornado was 25 yards wide and traveled a mile and a half before dissipating 4.7 miles west of Bethel at 5:49 PM CST. The tornado touched down north of Pittsville, tearing leaves and twigs from tops of trees. The tornado was seen by a county sheriff.

Event 338: May 4, 2010

The EF1 tornado touched down 2.7 miles southeast of Zittau in Winnebago County around 6:10 PM CST. The tornado was 100 yards wide and traveled seven tenths of a mile before it dissipated 2.7 miles west of Winchester at 6:12 PM CST. The tornado snapped numerous pine trees in a wooded area and threw a gazebo into the side of a house. The tornado also destroyed a 100-year-old barn.

Event 339: May 4, 2010

The EF0 tornado touched down 2.2 miles south southwest of Winchester in Winnebago County at 6:13 PM CST. The tornado was 100 yards wide and traveled 3.4 miles before dissipating 0.8 miles north northwest of Larsen at 6:17 PM CST. The tornado damaged several structures. It destroyed a shed, swirling 2 by 4's in the air. The 2 by 4's struck a house, damaging the roof. The tornado threw a trailer about 200 yards into a field and ripped siding off a garage. A small camper was knocked over.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

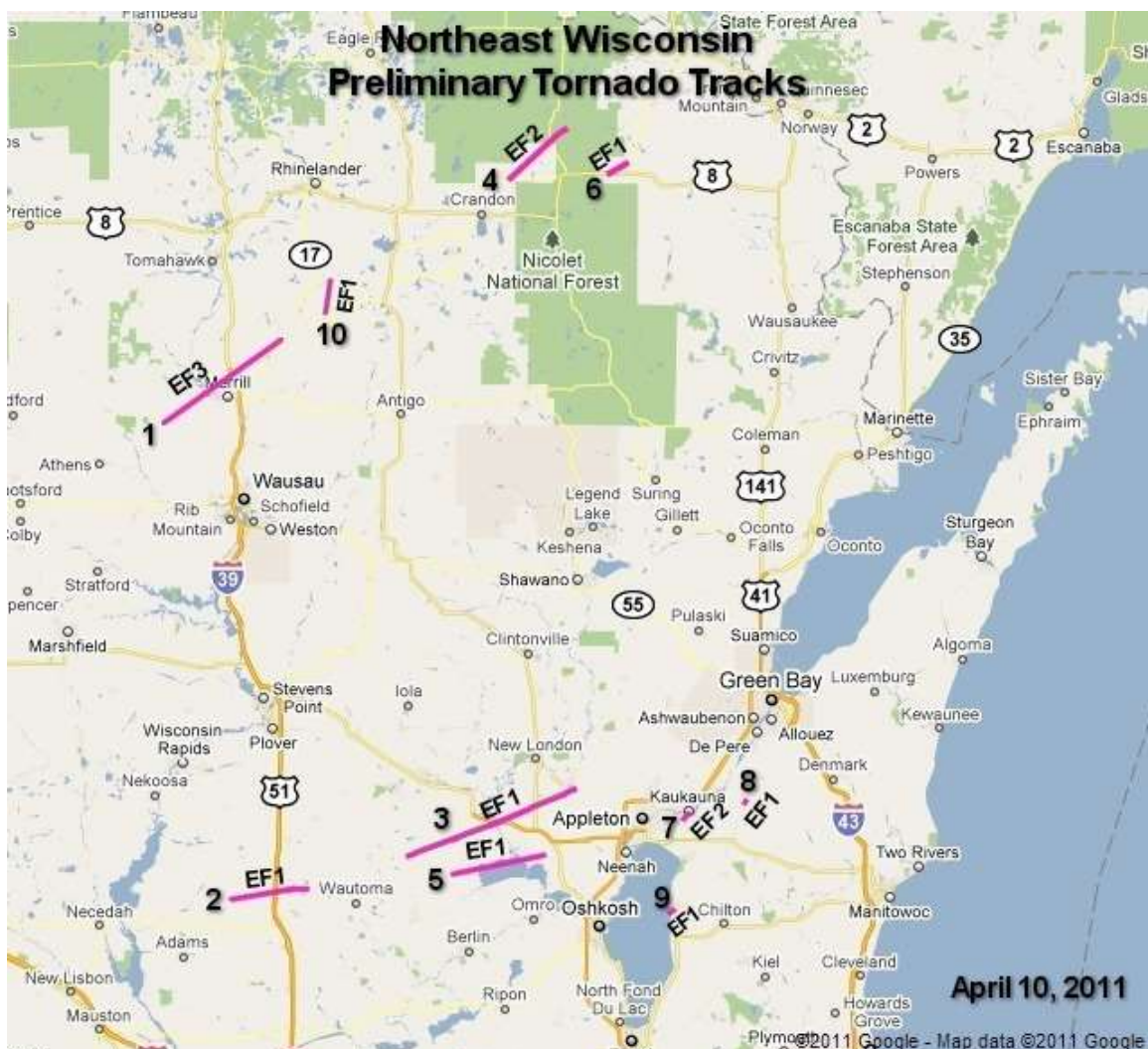
Event 340: May 4, 2010

The EF0 tornado touched down 2.5 miles west southwest of Veedum in Wood County at 4:18 PM CST. The tornado traveled a quarter of a mile and was 50 yards wide before it dissipated 2.2 miles west southwest of Veedum. The brief tornado was reported by the public and confirmed by local emergency management about 5 miles west of Pittsville. A dozen trees were knocked down and several large tree limbs fell onto a house. Wind speed estimated at 80 mph.

Event 341: August 20, 2010

The EF1 tornado touched down 2 miles southeast of Greenleaf in Brown County at 3:20 PM CST. The tornado traveled just over 1.25 miles and was 75 yards wide before dissipating 2.7 ESE of Greenleaf at 3:22 PM CST. When the tornado initially touched down, several trees were snapped and uprooted. The tornado then destroyed a relatively new barn constructed of metal wall panels and roof. Pieces of the roof and wall were strewn over 100 yards from the site. About 50 to 100 yards on either side of the damaged barn small outbuildings and trees were untouched. The tornado continued east-northeast to another farm and heavily damaged a metal building which contained hay bales. Large parts of the metal roof were thrown over 200 yards. Numerous trees along the patch were snapped or uprooted. Estimated maximum winds were 90 mph. The tornado dissipated just north of the Holland State Wildlife Area.

RECORD BREAKING TORNADO OUTBREAK OF APRIL 10, 2011



TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

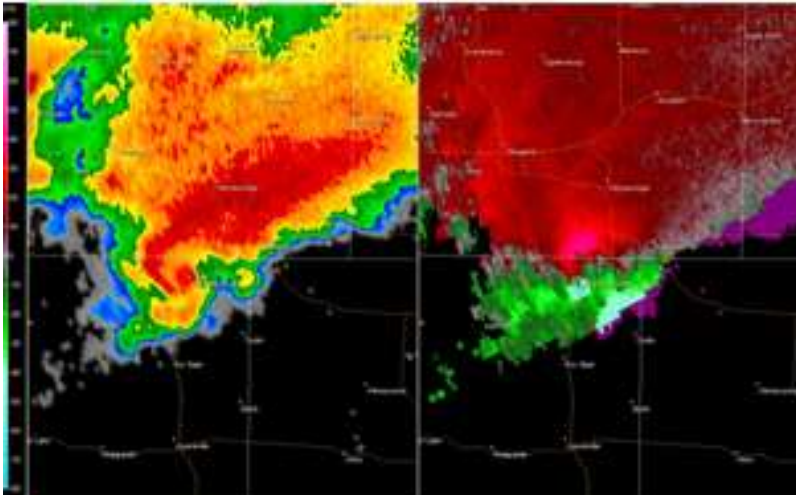
GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 342: April 10, 2011

The EF3 tornado developed about 2 miles north of Hamburg at 5:08 CST PM and moved northeast into Lincoln County at 5:10 PM CST. Pine trees were uprooted, and large branches were broken in the path of the storm. One house sustained damage to its siding and several barns were blown down or lost their roofs in Marathon County. The tornado was rated an EF0 in Marathon County. The average width of the tornado in Marathon County was 100 yards. The tornado reached EF3 intensity on the north side of Merrill in Lincoln County at approximately 5:22 PM CST where 22 homes and 7 businesses were destroyed. Several homes lost nearly all exterior and some interior walls. In addition, 22 homes and one business sustained major damage, and 20 homes and four businesses sustained minor damage. A 67-years old male was thrown over 200 feet from his bedroom and suffered broken ribs, a ruptured spleen, and a bruised lung. Another person sustained minor injuries. The tornado tore a path over 20 miles long in Lincoln County before dissipating. The maximum width of the tornado was six tenths of a mile (1,050 yards) wide. The average width was about 400 yards.



Event 343: April 10, 2011



The EF1 tornado moved out of Adams County and entered Waushara County at 5:35 PM CST about 1.8 miles northwest of Coloma. The worst damage occurred just inside the Waushara County line. A mobile home roof was torn off and roof damage was noted to several homes. The average width of the tornado was about 80 yards. The tornado dissipated 2.3 miles west southwest of Winchester.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 344: April 10, 2011

The EF1 tornado formed about 5 miles south of Parrish around 5:50 PM CST and moved just east of north for a little over five miles. The tornado affected about 1600 acres of hardwood and softwood trees. It was estimated that over one million trees were snapped, uprooted, or suffered serious damage. The loss to timber alone is estimated at over one million dollars. One cabin was destroyed by fallen trees. The tornado was seen by a storm chaser at 5:55 PM CST. The average width of the tornado was 250 yards.

Event 345: April 10, 2011

The EF1 tornado developed at approximately 6:06 PM CST one mile southwest of Saxeville in Waushara County and moved east-northeast across east-central Wisconsin. Numerous pine trees were snapped or uprooted near the initial point of contact. As the tornado moved into West Bloomfield, several farm buildings were heavily damaged, including a barn that collapsed. The tornado had an average width of 100 yards, but it was not on the ground continuously. The tornado entered Waupaca County at 6:20 PM CST southwest of Fremont. Several farm buildings were impacted by the tornado in addition to many trees. Near Readfield, a barn was lifted and rolled off its foundation. A poorly anchored house roof which overhung the house walls was completely removed with the debris, strewn nearly a quarter of a mile to the northeast. The average width of the tornado was 100 yards. The tornado moved into Outagamie County at 6:32 PM CST. The tornado, which was not on the ground the entire time, damaged a couple of farm buildings just south of Hortonville before it dissipated. One of the buildings lost part of its roof. The average width was 100 yards.

Event 346: April 10, 2011

The EF2 tornado developed 3.5 miles southeast of Argonne and moved northeast across Forest County. The tornado uprooted and snapped hundreds of trees, some of which fell on vacation cabins along the path of the tornado. The hardest hit area was several miles east Argonne shortly after the tornado developed. A large part of the roof of a house was removed. The tornado continued northeast in Florence County 6:46 PM CST. The average width of the tornado was 250 yards in Forest County. In Florence County, several large tree branches were broken before the tornado dissipated. The average path width of the tornado in Florence County was 75 yards.

Event 347: April 10, 2011

The EF1 tornado developed 0.3 miles northwest of Poy Sippi, then moved east-northeast over the north shore of Lake Poygan. The tornado then entered Winnebago County at 7:04 PM CST. In Waushara County, the tornado damaged a house and destroyed a barn in the Poy Sippi area. Another barn was flattened near the north shore of Lake Poygan. Many pine trees were uprooted or snapped along the path of the storm. The average path width in Waushara County was 100 yards. In Winnebago County, the tornado moved along the north shore of Lake Poygan, causing most of the damage near Boom Bay on the northeast shore of Lake Poygan. Two homes were heavily damaged as portions of their roofs were partially ripped off. Several other houses sustained lesser damage in this area. In addition, two small mobile homes were rolled on their side and many trees were uprooted or snapped. The tornado dissipated about 2 miles west of Winchester, although damage occurred east and southeast of this location from straight-line thunderstorm winds. The average path width in Winnebago County was 100 yards.

Event 348: April 10, 2011

The EF1 tornado (2nd tornado on this day) formed in Forest County about four miles west of Armstrong Creek at 7:03 PM CST. The tornado snapped and uprooted trees and damaged two houses. One of the houses sustained significant roof damage as the tornado moved across the area. The average width of the tornado was 125 yards.

Event 349: April 10, 2011

The EF2 tornado touched down in the southwest side of Kaukauna near County Road CE at 7:43 PM CST. The tornado cut through the center of a subdivision as it moved north-northeast to near the Fox River before lifting off the ground. Seven homes were destroyed, 24 homes and four businesses sustained major damage and 160 other homes sustained minor damage. Several houses lost large sections of their roofs in the hardest hit area of the city. The average path width was 125 yards.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 350: April 10, 2011

The brief EF1 tornado touched down about a mile and a half south of Greenleaf. The tornado damaged the tops of two silos and then ripped the roof off a barn. Average width of the tornado was 75 yards.

Event 351: April 10, 2011

The brief EF1 tornado moved off Lake Winnebago and onshore south of Stockbridge just before 8 PM CST. The waterspout was seen as it moved onshore, damaging two homes. A three-season room on one of the houses was ripped off the structure. The tornado moved northeast and tore a section off the roof of a large outbuilding. The tops of trees were snapped in two areas along the path of the tornado. The average width of the tornado was 75 yards.

Event 352: May 22, 2011

The EF0 waterspout was observed over Lake Michigan about 5 miles northeast of Algoma.

Event 353: May 22, 2011

The EF1 tornado moved out of Juneau County at 5:03 PM CST and moved across southern Wood County. The storm hit a campground on the east shore of the Wisconsin River about three miles south of Nekoosa. Over 100 pine trees were snapped and uprooted on the campground, some two feet in diameter. Several camper vehicles were damaged by fallen trees. The tornado was seen by campground visitors just before 5:15 PM CST. The tornado continued east-northeast and snapped or uprooted hundreds of additional trees south of Wisconsin Rapids. The storm damaged at least six homes and several other buildings about six miles south-southeast of Wisconsin Rapids. One of the houses lost the entire roof of a garage. A woman was in the garage at the time. She sustained injuries when the garage fell on the truck that she was taking shelter in. This area experienced a high-end EF1 damage with winds at least 95 to 105 mph. The tornado entered Portage County around 5:20 PM CST. The tornado moved across mainly farmland. The twister continued to snap trees and overturn agricultural irrigation systems. About six miles south of Plover, a nearly half-mile long row of power poles was bent over. The tornado crossed Interstate 39 at Coddington Road two miles west of Keene. The tornado grew to nearly 700 yards wide as it passed just north of Keene and heavily damaged a farmstead. A silo was damaged, and a barn was flattened. Several outbuildings were also damaged or destroyed. Along the path, at least two dozen irrigation systems were overturned and damaged resulting in over one million dollars in losses. Many hundreds of trees were snapped or uprooted. This area experienced high end EF1 damage with winds of 100 to 110 mph. The tornado dissipated about 9 miles southeast of Plover at 5:46 PM CST. The average width was 300 yards in Portage County.

Event 354: August 19, 2011

The EF1 tornado quickly developed northwest of the city of Wausaukee during the late afternoon and moved southeast for nearly eight miles before dissipating. The twister touched down near Long Lake, snapping or uprooting hundreds of trees as it moved towards Wausaukee. A mobile home near Long Lake was heavily damaged by fallen trees, but the occupants escaped without injury. As the tornado moved into Wausaukee, it leveled another mobile home killing a 46-year-old male. Two additional buildings on the property sustained damage including a house that lost part of its roof. Two semi-trailers on the property were blown over. The tornado continued southeast, damaging a baseball field and hundreds of additional trees on the east side of Wausaukee. The tornado reached the Menominee River and briefly crossed into Upper Michigan before moving back into Wisconsin and dissipating near Highway 180. One tree fell on a home near Deer Lane Road.

Event 355: August 23, 2011

The EF0 tornado was witnessed by local law enforcement. The tornado touched down for less than 10 seconds in a corn field. A couple of stalks of corn were thrown in the air, but no damage was reported. The EF0 tornado was estimated to have winds around 60 mph.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 356: August 23, 2011

The EF0 tornado touched down near Briarton shortly before 6 PM CST along Shady Road in Shawano County just north of the Outagamie County line. Tall grass and a hay field were flattened in a cyclonic pattern. In addition, about a dozen trees had snapped limbed. Peak winds were estimated at 65 to 70 mph. The average path width was 50 yards.

Event 357: August 23, 2011

The EF0 tornado touched down less than a mile northeast of Sherwood at 8:05 PM CST. The EF0 tornado toppled two trees that damaged the roof of a house and snapped or uprooted six pine trees near Highway M. The tornado continued east-southeast moving over a swamp. Swirl marks were seen in the thick swamp grass. The tornado then hit a farm on Kesler Road. Two old barns were heavily damaged. Peak winds were estimated at 85 mph with an average width of 75 yards.

Event 358: May 24, 2012

The EF0 tornado formed 3.7 miles south southeast of Marathon at 6:01 PM CST and rapidly move northeast before dissipating 4.8 miles east northeast of Marathon at 6:07 PM. About 100 trees sustained large broken branches or were snapped by the tornado. No structures were damaged. The average path width was 50 yards.



Event 359: August 9, 2012

The EF0 waterspout was reported by a trained spotter over Lake Michigan six miles south of Kewaunee between 12:10 PM and 12:20 PM CST. An upper-level trough of low pressure rotated through Wisconsin, resulting in numerous showers and thunderstorms. Cold air aloft associated with the trough, coupled with the warm waters of Lake Michigan provided favorable conditions for the development of waterspouts.

Event 360: August 9, 2012

The EF0 waterspout was reported by a trained spotter over Lake Michigan six miles south of Kewaunee between 12:25 PM and 12:35 PM CST. An upper-level trough of low pressure rotated through Wisconsin, resulting in numerous showers and thunderstorms. Cold air aloft associated with the trough, coupled with the warm waters of Lake Michigan provided favorable conditions for the development of waterspouts.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 361: September 18, 2012

The brief EF0 waterspout was observed on the waters of the Bay of Green Bay three miles west of Sister Bay around 5:01 PM CST. The time of the event was estimated based on the time of 911 calls. A strong upper-level trough and cold air aloft produced conditions favorable for waterspout formation on the waters of Green Bay.

Event 362: July 9, 2013

The EF0 tornado touched down 0.5 NE of Schultz, or about six miles south of Irma in Lincoln County at 1:59 PM CST. The tornado moved east for about 4.1 miles and was 100 yards wide (average width was 75 yards). A few trees and power lines were knocked down. The tornado dissipated 3.9 miles west of Bloomville at 2:04 PM CST.

Event 363: July 9, 2013

The EF0 tornado touched down 10.8 miles south of Parrish in Langlade County (near the Lincoln / Langlade County line) around 2:32 PM CST. The tornado traveled east for about nine and a half miles, although the tornado track was not continuous. The maximum width of the tornado was 100 yards, with an average width of 75 yards. The tornado damage was to trees and tree limbs. The tornado dissipated 3.1 miles west of Deerbrook at 2:56 PM CST.

Event 364: July 9, 2013

The EF0 tornado touched down 4.2 miles south of Bancroft in Portage County around 4:44 PM CST in an open field just west of Interstate 39. The tornado was observed by a storm spotter and did no damage. The maximum width was 25 yards and traveled less than two tenths of a mile before dissipating at 4:45 PM CST.

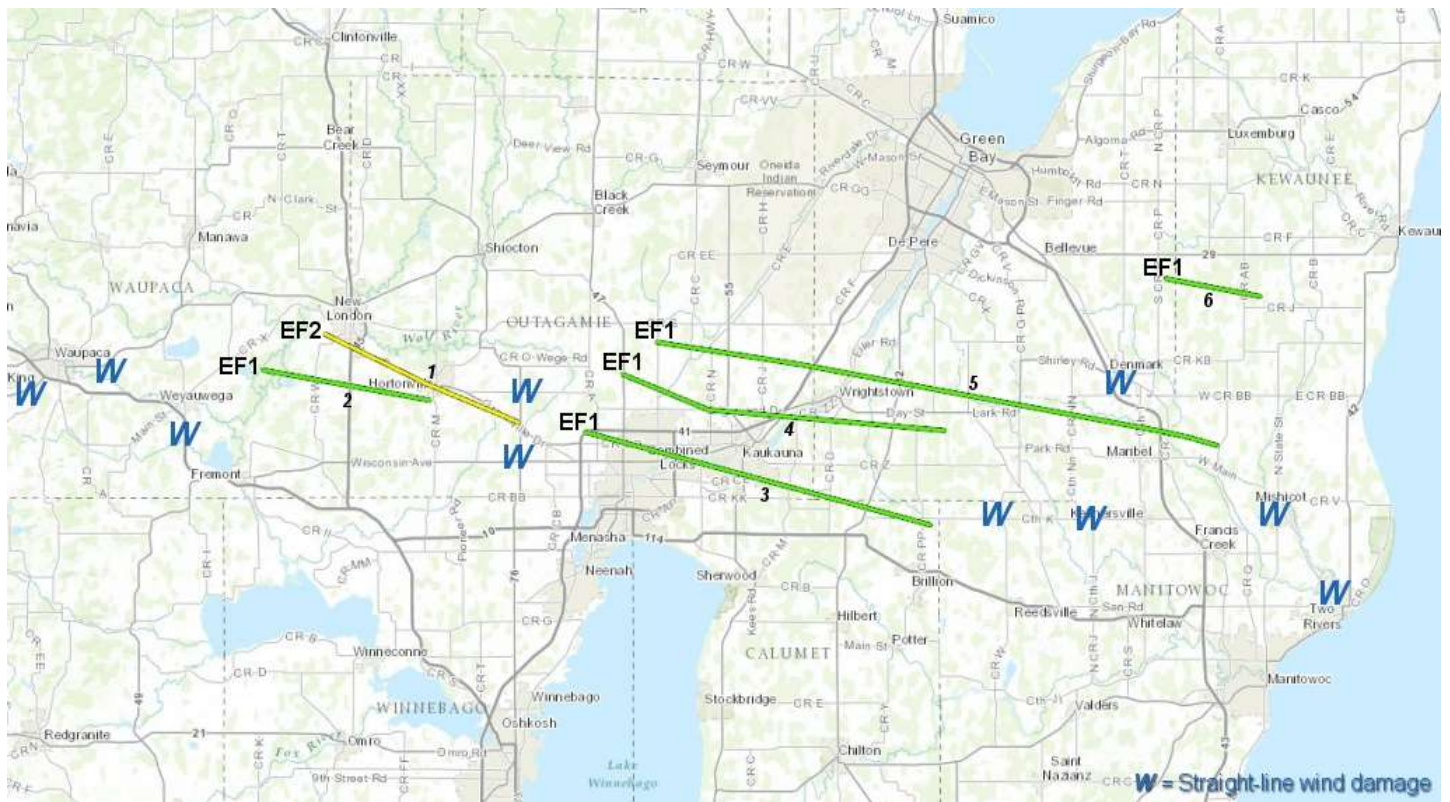
Event 365: July 9, 2013

The EF0 tornado touched down about four and a half miles north northeast of Oconto in Oconto County at 6:40 PM CST. The tornado was observed by an eyewitness just east of Highway 41 near Swede Town Road and County Road A. The tornado moved east for about a mile and half toward the bay before dissipating at 6:54 PM CST. Dozens of trees were snapped and uprooted and blew over a recreational vehicle trailer along its path. The maximum width of the tornado was one hundred yards with an average width of seventy-five yards.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Rare Late Evening / Early Morning Tornadoes on August 6-7, 2013



Event 366: August 6, 2013

The first of six late night tornadoes to strike Northeast Wisconsin on this date, the EF0 tornado touched down four miles north northeast of Partridge Lake in Waupaca County at 11:22 PM CST. The tornado was traveling at a rate of 60 to 70 mph. The tornado hit a campground, blowing several camper trailers over. Two people sustained minor injuries at the campground. Over one hundred trees were snapped or uprooted along the path in Waupaca County. The tornado moved into Outagamie County about 3.1 miles south of New London at 11:26 AM CST. The tornado damaged or uprooted trees as it moved across Outagamie County. Based on radar analysis, the circulation of this tornado may have merged with the other tornado that was occurring concurrently in the county near Hortonville. The tornado traveled 9.8 miles before dissipating eight tenths of a mile west southwest of Hortonville at 11:30 PM CST. The maximum width of the tornado in Outagamie and Waupaca Counties was 125 yards, with an average width of 75 yards in both counties.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 367: August 6, 2013

The second of six late night tornadoes to strike Northeast Wisconsin on this date, the EF2 tornado touched down 1.2 miles west of New London in Waupaca County at 11:24 PM CST. The tornado was traveling at a rate of 60 to 70 mph. The tornado struck a church (figure 1 below), causing severe damage. A large portion of the roof collapsed, causing failure to two walls. A wall on the new portion of the church was pushed in. In addition, hundreds of trees were snapped or uprooted. Several homes along the path sustained damage, mainly from fallen trees. The average path width in Waupaca County was 100 yards with a maximum width of 175 yards. The tornado now an EF1 entered Outagamie County at 11:25 PM CST a little over a mile southeast of New London, damaging or uprooting hundreds of trees along the path. Several homes in a two-block area of Hortonville were damaged (roof and siding) by falling trees. The average path width was 100 yards with a maximum width of 175 in Outagamie County. The tornado traveled 13.1 miles before dissipating four tenths of a mile west southwest of Greenville.



Figure 1: Church (southeast New London) damaged by a tornado. Peak winds were estimated at 115 to 120 mph.

Event 368: August 6, 2013

The third of six late night tornadoes to strike Northeast Wisconsin on this date, the EF1 tornado touched down four tenths of a mile west of Mackville in Outagamie County at 11:38 PM CST. The tornado was traveling at a rate of 60 to 70 mph. The tornado caused a barn to collapse, and heavily damaged a boat showroom in Little Chute. Another barn lost part of its roof northwest of Kaukauna. Damage to trees was sporadic as it moved through Outagamie County. The maximum width of the tornado in Outagamie County 175 yards, with an average width of one hundred yards. The tornado moved into southern Brown County, about two miles southwest of Wrightstown around 11:48 PM CST. In Brown County, the tornado uprooted or snapped dozens of trees as it moved east, just south of Greenleaf. A house lost an attached garage when winds blew in the garage door and caused a large portion of the garage roof to lift off. The walls of a nearby building collapsed. The maximum width of the tornado in Brown County was 175 yards and average width was 125 yards. The tornado traveled 19.2 miles before dissipating 2.7 miles west of Morrison at 11:53 PM CST.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 369: August 6, 2013

The fourth of six late night tornadoes to strike Northeast Wisconsin on this date, the EF1 tornado touched down three and a half miles east of Greenville in Outagamie County at 11:38 PM CST. The tornado was traveling at a rate of 60 to 70 mph as it moved across northern portions of Appleton, Kimberly, and Kaukauna. The tornado caused some roof damage to the Northland Mall and caused roof and window damage to two small retail buildings. The storm then knocked over four wood electrical poles and uprooted or heavily damaged hundreds of trees in a nearby neighborhood. Although houses in the area sustained relatively minor wind directly, fallen trees caused considerable collateral damage to roofs, siding and vehicles. The maximum width of the tornado in Outagamie County was 150 yards, with an average width of 125 yards. The EF1 tornado entered Brown County a little over a mile west of Holland around 11:49 PM CST. A few trees were knocked over by the tornado. The average path width in Brown County was 150 yards. An EF1 tornado moved into Calumet County 1.6 miles northwest of Forest Junction around 11:50 PM CST. In Calumet County, the tornado damaged about three dozen trees. Two metal truss towers collapsed under the weight of several high voltage power lines which were likely moving in unison as their resonance frequency was reached. Engineers inspected the damaged estimated winds around 100 mph. The maximum width in Calumet County was 175 yards with an average width of 125 yards. The tornado traveled 20.7 miles before dissipating a little over two and a half miles north northeast of Brillion around 11:52 PM CST.

Event 370: August 6, 2013

The fifth of six late night tornadoes to strike Northeast Wisconsin on this date, the EF1 tornado touched down 2.7 miles east northeast of Mackville in Outagamie County at 11:40 PM CST. The tornado was traveling at a rate of 60 to 70 mph as it moved across the Fox Valley. The tornado caused significant damage to several outbuildings and barns and flattened sections of mature corn fields. The roof of a power substation was damaged. The maximum path width was 200 yards, with an average width of 150 yards. The tornado now an EF0 moved into Brown County just under two miles northwest of Wrightstown near Highway 41 around 11:48 PM CST. The tornado first hit the Apple Creek Campground, snapping fifty trees, and knocking over two camping trailers. As the tornado moved across southern Brown County, at least seventy homes sustained at least minor damage, many from fallen trees. A large free-standing garage was heavily damaged when the tornadic winds blew in two garage doors, causing the roof to be ripped off. The maximum width of the tornado in Brown County was 250 yards, with an average width of 175 yards. The tornado moved into Manitowoc County 4.1 miles northwest of Rosencrans around 12:01 AM CST. The tornado strengthened to an EF1 in Manitowoc County. The tornado damaged several outbuildings and a roof of a barn. A 110-year-old stone structure at the Maribel Caves County Park was knocked over by the strong winds. The damage survey revealed the tornado ended a couple miles east of Maribel, but straight-line wind damaged continued into the east part of the county. The tornado in Manitowoc County has a maximum width of 250 yards and average width of 125 yards. The tornado traveled thirty-three miles across three counties before dissipating.

Event 371: August 7, 2013

The last tornado of the night to strike Northeast Wisconsin on this date, the EF1 tornado touched down a half mile south southeast of Henrysville in Brown County around 12:05 AM CST. The tornado was traveling at a rate of 60 to 70 mph as it moved across the region. A couple dozen trees were damaged or uprooted. In Brown County, the maximum width of the tornado was one hundred yards with an average width of seventy-five yards. An EF1 tornado moved into Kewaunee County about three miles southwest of Pilsen around 12:06 AM CST. The tornado caused the walls and roof of a barn to collapse and damaged two silos. The tornado also uprooted several dozen trees along its path. In Kewaunee County, the maximum width of the tornado was 100 yards with an average width of seventy-five yards. The tornado traveled 5.6 miles before dissipating one mile northeast of Stangelville around 12:10 AM CST.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 372: July 27, 2014

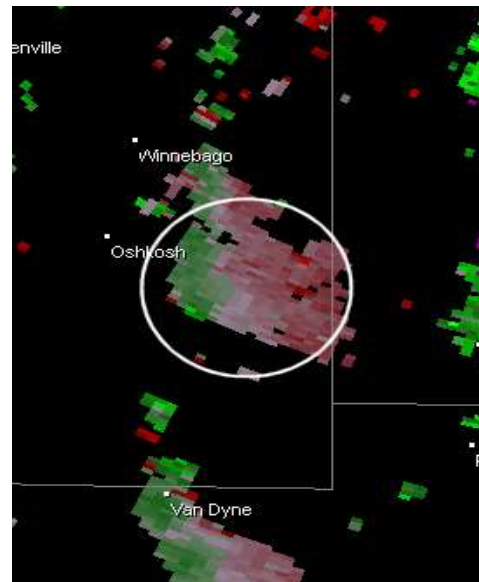
A very weak and brief waterspout formed around 6:05 PM CST under a rain shower over southern Lake Winnebago, about 5 miles southeast of Oshkosh. The waterspout (photo below) was on the water for a just a few seconds and then dissipated. The parent funnel was seen by hundreds of people across the area. No damage occurred.



Photograph submitted to NWS.



Radar image: Green Bay radar.



Velocity image: Green Bay radar.

Event 373: August 18, 2014

The EF0 tornado developed around 3:23 PM CST, causing minor damage as it moved east near Shady Lane a little over three miles northeast of Winchester in northern Winnebago County. The weak tornado caused two single wood power poles to partially lean in saturated soil and knocked over a few trees and limbs. Swirl marks could be seen in a field of tall grass. The tornado was not in contact with the ground during the entire path length (a little over two miles). The maximum width of the tornado was 50 yards with estimated winds of 65 to 75 mph before dissipating around 3:25 PM CST.

Event 374: May 17, 2015

The EF0 tornado touched down at 2:31 PM CST just over a mile and a half west-southwest of Morgan in Shawano County. The tornado produced intermittent damage along a nearly five-mile-long path, dissipating at 2:40 PM CST just over three miles northeast of Morgan. At least a dozen trees along the path sustained damaged and a barn lost several shingles. The tornado had a maximum width of 75 yards.

Event 375: June 15, 2015

The weak EF0 tornado touched down at 2:31 PM CST a mile and a half north-northwest of Glenmore in Brown County. The tornado traveled just over a quarter of a mile and was 25 yards wide before the tornado dissipated 1.4 miles north-northwest of Glenmore. A swing set was toppled, and a small metal shed was pushed twenty feet.

Event 376: July 6, 2015

The EF0 tornado touched down at 2:31 PM CST 3.4 miles west of Marion (see map next page) in Waupaca County. The tornado traveled three quarters of a mile and had a maximum width of 75 yards wide before dissipating 2.7 miles west of Marion at 2:40 PM CST. The tornado heavily damaged a barn and adjacent garage. The roof of a nearby house was damaged and winds of another home were broken. At least two dozen trees were uprooted or snapped. The average path width was 50 yards.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 376: July 6, 2015 continued

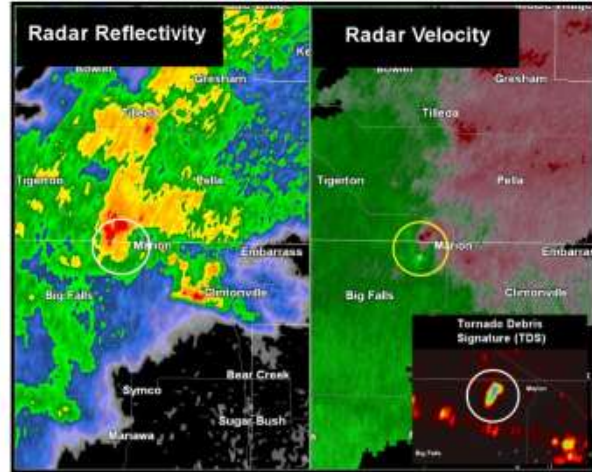
This was one of three tornadoes that touched down in northeast Wisconsin on this date. What was unusual about this event was there was no thunder noted with the tornadoes (very rare!). The radar image shows in the intense rotation west of Marion.



Preliminary Tornado Map (above). Red triangles denote approximate location of brief tornado touchdowns. Inset above denotes the location of the EF1 tornado west of Marion, Wisconsin.

Tornado	Begin	End	Path
Marion EF1	4:38 PM, 3 W Marion	4:40 PM, 2 S W Marion	Length: 0.4 mi Width: 75 yards
Pella EF0	5:00 PM, 2 E Pella	5:03 PM, 2 E Pella	Length: 0.1 mi Width: 25 yards
Gillet EF1	5:56 PM, 2 E Gillet	6:03 PM, 3 ENE Gillet	Length: 2.2 mi Width: 50 yards

The first tornado developed just ahead of the main line of showers over northern Waupaca County. The storm quickly attained supercell characteristics and generated a brief EF1 tornado about three miles west of Marion in extreme northern Waupaca County (see map insert above and radar images below).



Radar reflectivity (above Left) and radar velocity (above right) around time of the EF1 tornado west of Marion. Inset in the above image is the dual polarization correlation coefficient (CC) product denoting the location of debris produced by the tornado.

Here are some damage photos from the Marion tornado:



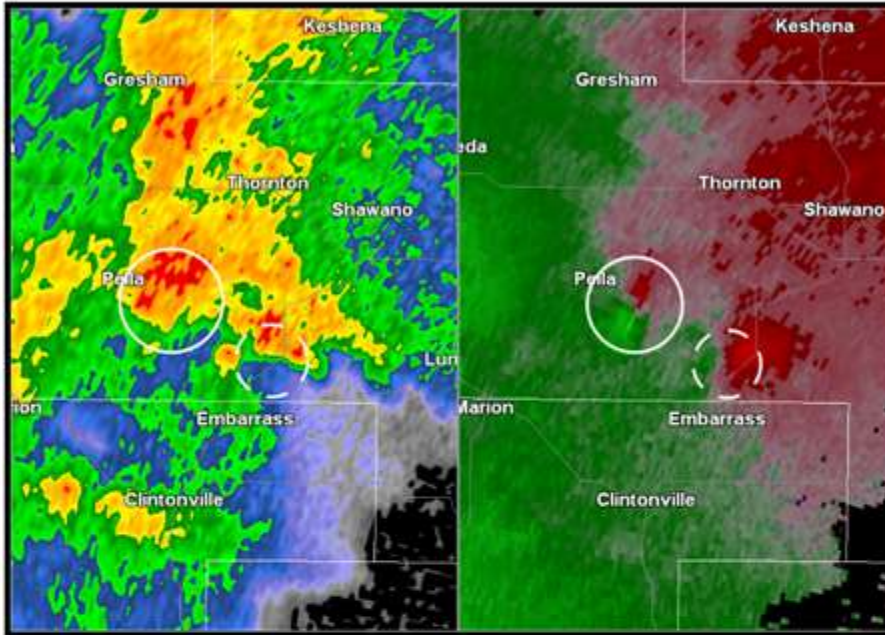
TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 377: July 6, 2015

The EF0 tornado touched down at 4:03 PM CST just over a mile east of the Pella Airport in Shawano County. The tornado traveled nearly a tenth of a mile and was 25 yards wide before dissipating at 4:04 PM CST. The tornado tore off part of a barn and sent wooden pallets into a nearby field.

As this cell continued to move northeast into Shawano County, it produced another very weak tornado (EF0) that briefly touched down near Pella in central Shawano County around 5 pm CDT (*denoted by the white circle in the image below*). The dashed circle in the image below denotes a new circulation associated with a different cell that was developing to the southeast of the Pella (just north of Embarrass).



Radar reflectivity (above left) and velocity image (above right) associated with brief tornado touchdown near Pella (denoted by solid circle in the image above). Dashed circle denotes a new circulation that eventually produces a tornado near Gillett about 50 minutes later.

Here are some damage photos from the Pella tornado:



Photos by NWS forecaster Phil Kurimski

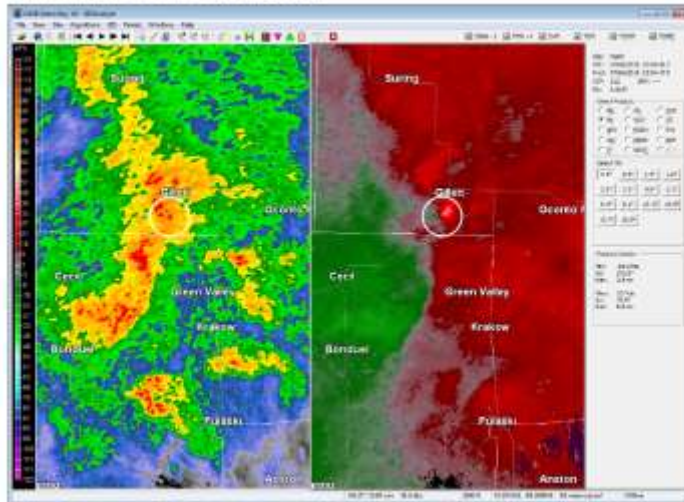
TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 378: July 6, 2015

The EF1 tornado touched down at 4:56 PM CST 2.2 miles east-northeast of Gillett in Oconto County. The tornado traveled two and a quarter miles and was 50 yards wide before dissipating 2.6 miles south-southwest of Kelly Brook at 5:03 PM CST. The tornado uprooted or snapped at least twenty trees and caused minor damage to a house.

This new cell north of Embarrass continued to organize and strengthen and eventually produced an EF1 Tornado near Gillett in western Oconto County around 5:55 pm CDT (see image below).



Radar reflectivity (above left) and velocity (above right) denoting the location of the storm that produced an EF1 tornado near Gillett around 5:55 pm CDT.

Here are some damage photos from the Gillett tornado:



Photos by NWS forecaster Phil Kurimski

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 379: June 4, 2016

The EF0 tornado touched down at 6 PM nearly a mile northeast of Shawano Lake in Shawano County. The tornado traveled a tenth of mile and was 50 yards wide before dissipating at 6:01 PM CST. A very weak waterspout occurred on Loon Lake, about five miles northeast of the city of Shawano. The waterspout was photographed and recorded by law enforcement, remained nearly stationary for about a minute before dissipating. The tornado caused no damage.

Event 380: June 10, 2016

The EF0 tornado touched down at 6 PM 1.3 miles southwest of Mackville in Outagamie County. The tornado traveled nearly a mile and a half to the southeast before dissipating at 6:03 pm CST. The tornado was 25 yards wide. Damage was limited to broken tree branches and limbs with estimated peak winds of 55 to 60 mph. The tornado was photographed by a storm spotter.

Event 381: June 15, 2016

The EF0 tornado (waterspout) touched down on the eastern shores of Lake Winnebago in Calumet County at 5:47 pm CST. The waterspout was 25 yards wide and traveled nearly seven tenths of a mile to the southeast before dissipating at 5:49 pm CST. No damage was noted.

Event 382: June 26, 2016

The EF1 tornado touched down 4.2 east southeast of Symco in Waupaca County around 1:30 AM CST. The tornado was 100 yards wide and traveled just over two and a half miles before dissipating 6.4 miles north northeast of Northport around 1:35 AM CST. At least half dozen trees were snapped along the path and several trees were uprooted. Several farm buildings were heavy damaged, with metal from the buildings strewn downwind hundreds of yards. A manufactured home was pushed off its block foundation.

Event 383: June 30, 2016

The EF0 tornado touched down nearly a mile west southwest of Poniatowski in Marathon County around 6:16 PM CST. The tornado traveled less than a tenth of a mile and was 50 yards wide. Minor damage was reported at a farm near Poniatowski. The tornado dissipated at 6:16 PM CST.

Event 384: August 4, 2016

The EF1 tornado touched down a little over five miles of Colby (1.3 NNE Cherokee) in Marathon County around 10:20 AM CST. The tornado was 250 yards wide and affected sixteen homesteads and farms. One barn collapsed and three others sustained at least minor damage. Five homes sustained roof damage and several sheds were damaged or destroyed. A church steeple was damaged, and several dozen trees were snapped or uprooted. The average path wide was 125 yards with a maximum width of 250 yards. The tornado traveled just under four and a half miles before dissipating 4.4 miles south southwest of Stratford around 10:26 AM CST.

Event 385: August 20, 2016

The EF0 tornado touched down on the west side of Kewaunee in Kewaunee County around 9:03 AM CST. The tornado was 125 yards wide with about 100 trees sustaining some damage. Several trees were uprooted to the saturated ground. Several homes on the west side of Kewaunee had shingle or siding damage. Also, a baseball dugout at a school was blown down. The tornado traveled seven tenths of a mile before dissipating 1.1 miles west of downtown Kewaunee around 9:06 AM CST.

Event 386: April 9, 2017

The EF1 tornado touched about five miles south southwest of Taegesville (just west of Wausau) in Marathon County around 11:54 PM CST. The brief tornado developed in association with a small line of severe thunderstorms (straight line wind damage also reported) in Marathon County. Two structures sustained significant storm damage, with one building had its windows blown out along with roofing material ripped off the building. The other structure had a garage door blown off. Several other houses had minor damage. Around 100 mature pine trees were snapped. The tornado was approximately 100 yards wide and traveled just under a half of a mile before dissipating at 11:55 PM CST.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

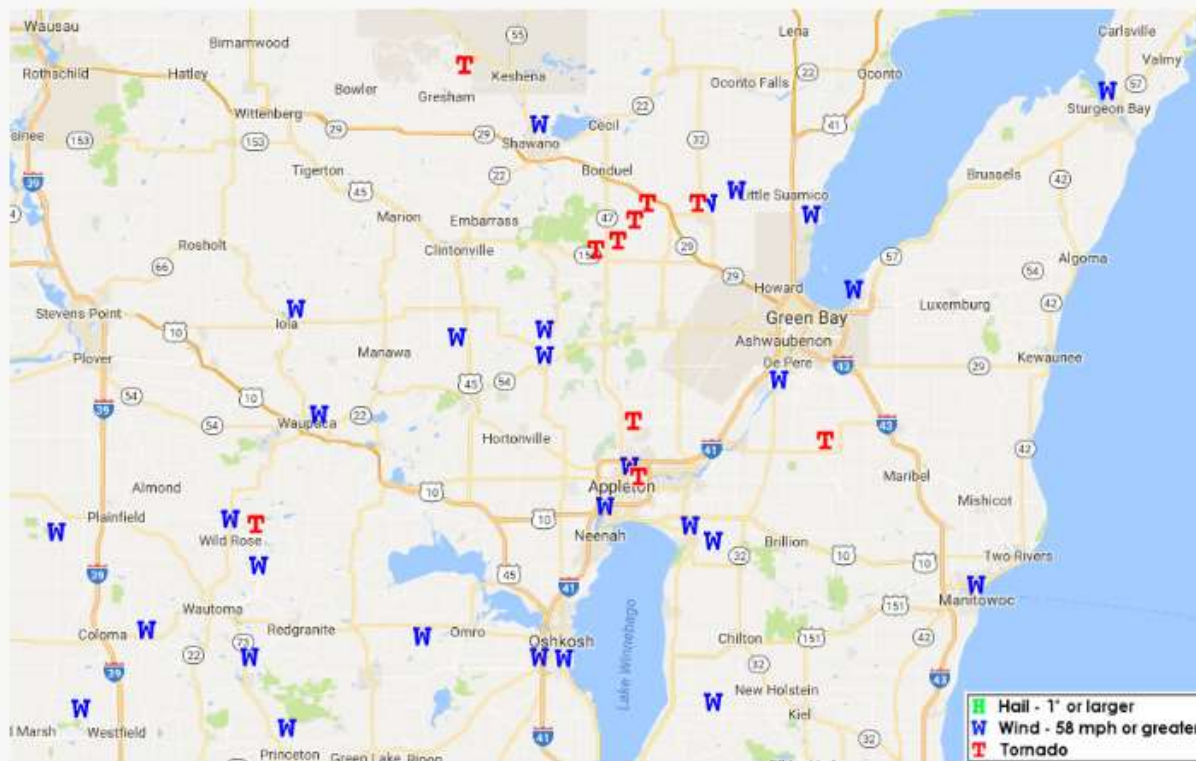
GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 387: May 16, 2017

The EF0 tornado touched about five and a half miles west southwest of Enterprise in Oneida County around 7:12 PM CST. The brief tornado uprooted several hundred pine trees just north of Highway Q near the Oneida County/Langlade County line, or about 9.5 miles west-southwest of Pelican Lake. The EF0 tornado was approximately 175 yards wide and traveled about three tenths of a mile before dissipating at 7:13 PM CST about five and a half miles west southwest of Enterprise.

June 14, 2017: 10 Tornadoes Reported On This Date

Storm Reports



Event 388: June 14, 2017

The EF0 tornado touched down in an open field two miles northeast of Gresham near the Shawano/Menominee County line (tornado was photographed) at 12:47 PM CST. The tornado was twenty-five yards wide and traveled a tenth of a mile before dissipating at 12:47 PM CST.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 389: June 14, 2017

The EF1 tornado touched down over two miles east-northeast of Wild Rose in Waushara County around 1:49 PM CST. As the tornado moved northeast, it uprooted or snapped 100 pines trees while several houses sustained significant roof damage from fallen trees. The tornado was 100 yards wide and traveled nearly three miles before dissipating just over three miles northwest of Saxeville.

Event 390: June 14, 2017

The EF1 tornado touched down just over two and a half miles southwest of Appleton in far northeastern Winnebago County near the village of Fox Crossing around 2:28 PM CST. In Winnebago County, the tornado damaged nearly two dozen trees and uprooted several others. One house sustained roof damage by a fallen tree. The tornado then moved into Outagamie County about 1.8 miles south of Appleton at 2:29 PM CST. The tornado continued into Outagamie County as an EF0 tornado. In Outagamie County, the tornado uprooted or snapped several dozen trees, some of which fell on houses along its path across the southeast side of Appleton. Two large industrial buildings suffered damage on Appleton's east side. One building's large HVAC system was blown off its roof and another large building had several overhead doors blow in and lost portions of its roof and a wall. A self-service car wash lost its roof in Kimberly. In Little Chute, a building had an HVAC unit damaged, and a couple of trees were knocked down. The tornado dissipated at 2:37 PM CST after crossing I-41 north of Kaukauna.

Event 391: June 14, 2017

The EF0 tornado touched down nearly three miles south-southwest of Mackville in Outagamie County around 2:30 PM CST. The tornado caused minor damage to a house and ripped small limbs off trees. The tornado was 50 yards wide and traveled 2.8 mile before dissipating two miles southeast of Mackville around 2:34 PM CST.

Event 392: June 14, 2017

The EF0 tornado touched down nearly three miles east-northeast of Bear Creek in Outagamie County around 2:31 PM CST. The tornado uprooted several trees in a saturated soil and broke off limbs to a dozen more trees. A metal barn roof was blown off and another barn collapsed. The tornado was 50 yards wide and traveled four miles before dissipating around 2:38 PM CST.

Event 393: June 14, 2017

The EF1 tornado touched down nearly two miles west of Nichols (rated EF0 in Outagamie County) around 2:40 PM CST. The tornado removed some shingles and siding off a house. The tornado moved out of Outagamie County about 1.4 miles north of Nichols. The tornado strengthened into an EF1 tornado just south of Navarino. In Shawano County, a detached garage/outbuilding was swept off its foundation. Another garage/outbuilding collapsed with the walls falling outward. A stand of pines across the street had a 75 yard-wide by 125 yards long area that were blown down and snapped in a convergent pattern. The tornado was 100 yards wide and traveled four miles before dissipating 1.2 west-northwest of Briarton around 2:45 PM CST.

Event 394: June 14, 2017

The EF1 tornado touched down a mile southeast of Briarton in Shawano County around 2:45 PM CST. The tornado heavily damaged a wood and sheet-metal pole barn. A mobile home was destroyed as it tumbled off its block foundation. Portions of the home were blown nearly a quarter of a mile into a nearby field and trees. Several trees along the storm's path were uprooted or snapped. The tornado was seventy-five yards wide and traveled 5.1 miles before dissipating about a mile east-southeast of Landstad around 2:51 PM CST.

Event 395: June 14, 2017

The EF1 tornado touched down nearly two miles south-southeast of Angelica in Shawano County around 2:51 PM CST. The tornado ripped off a garage door and one side of the garage collapsed inward. Another nearby garage door collapsed, and one was heavily damaged. Also, a barn's roof collapsed. Several dozen trees were uprooted due to wet soils from recent heavy rain. The tornado was 150 yards wide and traveled nearly six miles before dissipating 1.7 miles southwest of Krakow around 2:59 PM CST.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 396: June 14, 2017

The EF0 tornado touched down two miles northwest of Hofa Park in Shawano County around 2:53 PM CST. The tornado heavily damaged an old barn and partially tore the roof off an outbuilding. Another barn had most of its roof blown off. A nearby home had roof damage and its garage door partially collapsed inward. The tornado was 50 yards wide and traveled just over three miles before dissipating 0.7 miles northeast of Frazier around 2:55 PM CST.

Event 397: June 14, 2017

The EF0 tornado touched down about a mile southwest of Morrison in Brown County around 2:53 PM CST. The tornado caused minor tree damage. The tornado was 50 yards wide and traveled 1.2 miles before dissipating in Morrison around 2:55 PM CST.

Event 398: July 12, 2017

The EF0 tornado touched down just over two miles south of Custer in Portage County around 7:30 PM CST. The tornado produced minor crop damage and damaged the roof of an outbuilding which resulted in the building losing a wall. The tornado was 30 yards wide and traveled seven tenths of a mile before dissipating just over two miles north-northeast of Arnott around 7:32 PM CST.

Event 399: July 20, 2018

The EF0 tornado touched down around 11:55 AM CST nearly a mile and a half northwest of Silver Lake, or near Highway 21 about a mile southeast of Wautoma in Waushara County. Several witnesses observed the tornado on the ground for 10 to 15 seconds. A few white pine branches were broken. The tornado was 10 yards wide and traveled a tenth of a mile before dissipating at 11:56 AM CST.

Event 400: August 28, 2018

The EF1 tornado touched down around 3:34 PM CST just over two miles north-northwest of Kiel in Manitowoc County. The tornado developed near the Manitowoc/Calumet County line near Meggers Road which destroyed a barn and produced sporadic tree damage. The tornado was 75 yards wide and traveled near a mile before dissipating at 3:35 PM CST just over two miles north of Kiel.

Event 401: October 3, 2018

The EF0 tornado touched down around 6:08 PM CST just over a mile southwest of Mattoon in Shawano County. The weak fast-moving tornado caused only minor damage on the south side of the village of Mattoon. The tornado was 25 yards wide and traveled near a mile before dissipating less than a mile south-southeast of Mattoon at 6:09 PM CST.

Event 402: July 16, 2019

The brief, thin-weak EF0 tornado touched down in an open field between Plainfield and Hancock in Waushara County around 4:35 PM CST. No damage was reported, but dust and a few small branches were lofted in the air by the funnel. The tornado was 10 yards wide and traveled nearly two tenths of a mile before dissipating at 4:36 PM CST.

Event 403: July 19, 2019

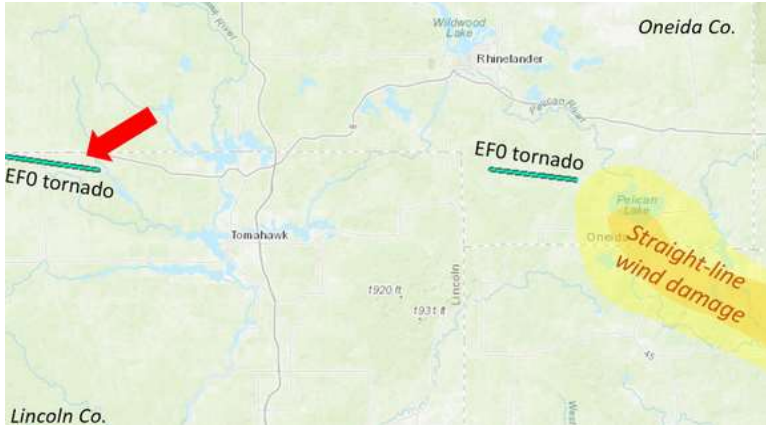
The EF0 tornado touched down just over seven miles north-northwest of Spirit Falls in Lincoln County around 5:47 PM CST. The tornado produced scattered tree damage and was seen by the public. Winds were estimated at 75 to 80 mph. The tornado was 50 yards wide and traveled six and a half miles before dissipating at 6 PM CST nearly seven miles northwest of the Tomahawk Regional Airport.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 404: July 19, 2019

The EF0 tornado touched down five and a half miles southwest of Lake George in Oneida County around 6:49 PM CST. The tornado produced a path of scattered tree damage west of Pelican Lake. Peak winds were estimated around 80 mph. The tornado was 50 yards wide and traveled nearly five and a half miles before dissipating just over two miles northwest of Enterprise around 6:58 pm CST.



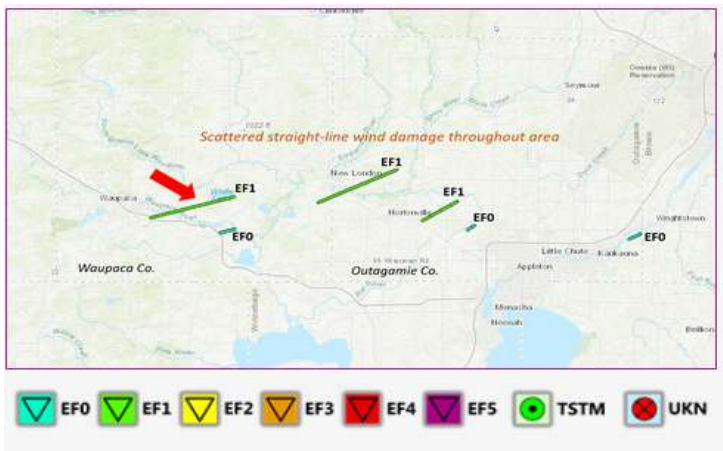
Tornado Track and Storm Damage

Radar Image

Event 405: July 19, 2019

The EF1 tornado touched down one and a half miles south-southwest of Moon in Marathon County around 7:20 PM CST. The tornado produced damage to dozens of trees, damaged the roof of an outbuilding and demolished an old barn in the town of Knowlton. Peak winds were estimated near 90 mph. The tornado was part of a line of severe thunderstorms that rolled across north-central and northeast Wisconsin during the evening. The tornado was 100 yards wide and traveled nearly nine miles before dissipating around 7:30 PM CST nearly four miles east-northeast of Knowlton.

Event 406: July 20, 2019



Tornado Tracks

The EF1 tornado touched down near one and a half miles south-southeast of Waupaca in Waupaca County around 9:55 AM CST. The tornado formed south of Waupaca and moved east-northeast to near White Lake. The tornado damaged siding and shingles on six homes and an apartment in a new subdivision near the Waupaca Airport. The garage door of a newer home was blown completely in, causing damage to the roof of the house. Another house had a small part of its roof heavily damaged. Numerous trees were also damaged along the path. Peak winds were estimated around 90 mph. The tornado was 80 yards wide and traveled about seven and a half miles before dissipating at 10:03 AM CST two miles east-southeast of White Lake.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 407: July 20, 2019

The EF0 tornado touched down just over a half mile south-southwest of Weyauwega in Waupaca County around 10 AM CST, damaging several trees on the south side of Weyauwega. Peak winds estimated at 75 mph. The tornado was 50 yards wide and traveled just short of a mile and a half before dissipating around 10:02 AM CST one mile east of Weyauwega.

Event 408: July 20, 2019

The EF0 tornado touched down nearly two miles south-southwest of New London in Waupaca County at 10:09 AM CST. The tornado damaged a few trees before entering Outagamie County at 11:10 am CST about 1.4 miles south of New London. In Outagamie County, the tornado continued northeast and destroyed a storage shed, heavily damaged trees and ripped shingles and siding off a house. A power pole also fell onto a car. Peak winds were estimated around 90 mph. The maximum width of the tornado was 90 yards and traveled seven and a half miles before dissipating around 10:20 AM CST nearly three miles southwest of Shiocton.

Event 409: July 20, 2019

The EF1 tornado touched down around 10:18 AM CST nearly two and a half miles east of Hortonville in Outagamie County. The tornado damaged three power poles, destroyed a car port of an outbuilding, partially damaged two outbuildings, removed siding off a couple houses, and damaged trees along its path. Estimated peak winds were around 90 mph. The tornado was 5 yards wide and traveled around three and a half miles before dissipating around 10:22 AM CST just over three miles east-southeast of Stephenville.

Event 410: July 20, 2019

The EF0 tornado touched down around 10:22 AM CST nearly two miles northeast of Greenville in Outagamie County. The brief tornado damaged a few tree limbs and took some shingles and siding off a house northeast of Greenville. A power pole was also damaged. Peak winds were estimated near 85 mph. The tornado was 50 yards wide and nearly three quarters of a mile before dissipating around 10:23 AM CST around two and a half miles northeast of Greenville.

Event 411: July 20, 2019

The EF0 tornado touched down around 10:36 AM CST just over three miles east-northeast of Little Chute in Outagamie County. The tornado damaged the roof of a barn and silo top northeast of Kaukauna. Peak winds were estimated at 80 mph. The tornado was 50 yards wide and traveled just over a mile before dissipating around 10:38 AM CST just over four miles east-northeast of Little Chute.

Event 412: August 7, 2019

The EF0 tornado touched down around 4:48 PM CST just over two miles southeast of downtown Green Bay in Brown County. Three power poles sustained damage and a business sign was heavily damaged in Green Bay. The tornado continued southeast and damaged at least 100 trees along the path. A poorly constructed carport lost part of its metal roof at an apartment building and a nearby house lost a couple of shingles. The tornado was 90 yards wide and traveled just over six miles before dissipating around 4:57 PM CST nearly two miles north of Pine Grove.

Event 413: October 15, 2019

The EF0 waterspout was observed around 1 PM CST by the Washington Island Coop observer near Deaths Door.

Event 414: June 20, 2020

The brief EF0 tornado touchdown was witnessed by the Oshkosh Fire Department around 4:01 PM CST near Highway 45 near Butte des Morts. No damage was reported. The tornado was 50 yards wide and traveled a quarter of a mile before dissipating at 4:02 PM CST.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 415: June 20, 2020

A storm chaser and the public reported the EF0 tornado over Lake Butte des Morts near County S around 4:23 PM CST. The tornado traveled just over a mile and was 75 yards wide, dissipating before reaching shore around 4:27 PM CST.

Event 416: June 20, 2020

Multiple eyewitness reported of the EF0 tornado (waterspout) over Lake Winnebago 5 to 6 miles southeast around 4:35 PM CST. The tornado was 75 yards wide and traveled nearly 3.4 miles before dissipating around 4:41 PM CST.



Event 415: EF0 near Butte des Morts
Photo by Hunter Bolssen



Event 415: EF0 over Lake Winnebago
Video / Still Image by Nate Laudolff



Event 417: July 20, 2020

The EF1 tornado touched down three tenths of a mile south southwest of Star Lake in Vilas County around 6:44 PM CST. The tornado produced a path of tree damage from the eastern shore of Start Lake to the Upper Bucktabon Springs State Natural Area. Peak winds were estimated at 95 mph. The tornado was 400 yards wide and was on the ground for 6.2 miles before dissipating 4.7 miles west of Conover around 6:58 PM CST.

Video / Still Image by Christopher Hofmeister

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 418: August 9, 2020

The EF1 tornado touched down near 3.8 miles east southeast of St. Germain in Vilas County around 7:28 PM CST. The tornado produced tree damage from east of St. Germain to southwest of Eagle River with intermittent touchdowns along the Wisconsin River. Peak winds were estimated around 90 mph. The tornado was 250 yards wide and had a path length of nearly three quarters of a mile before dissipating around 7:36 PM CST.

Event 419: August 9, 2020

The EF1 tornado touched down 4.3 miles east of Alvin in Forest County around 8:12 PM CST. The tornado damaged trees in the remote forest areas east of Alvin in extreme northeast Forest County. The tornado continued to damage trees across extreme northwest Florence County before dissipating near Caspian, Michigan around 8:22 PM CST.

Event 420: July 28, 2021

The EF1 tornado formed at 7:40 PM CST near Pine River or 4.8 miles southeast of Merrill in southern Lincoln County, damaging dozens of trees. The tornado continued south into Marathon County around 7:42 PM CST, damaging dozens of more trees before ending near the intersection of Shady Lane Road and Hazelwood Lane at 7:44 PM CST. The tornado path was estimated at 2.7 miles long, a maximum width of 300 yards and winds estimated around 90 mph.

Event 421: July 28, 2021

The brief EF0 tornado touched down west of Bevent or four tenths of a mile south-southeast of Peplin in Marathon County around 8:18 PM CST. The tornado produced damage to trees and a power pole. The total path length was estimated to be two-tenths of a mile with a width of 100 yards before dissipating at 8:19 PM CST six tenths of a mile south-southeast of Peplin.

Event 422: July 28, 2021

The brief EF0 tornado touched down nearly 2 miles west of Borth in Waushara County at 10:06 PM CST. The tornado damaged an outbuilding. The tornado path length was estimated at nearly a half mile, with a width of 33 yards. Peak winds were estimated at 80 mph. The tornado dissipated 1.8 miles west-southwest of Borth around 10:08 PM CST.

Event 423: August 8, 2021

The brief EF1 tornado touched down at 2:52 PM CST in Pleasant Lake, or 3.7 miles south-southwest of Coloma in Waushara County. The tornado moved north for nearly 3.5 miles before dissipating 2:58 PM CST just over a mile west of Coloma. The tornado produced damage to trees and houses. The total path length was estimated nearly 3.5 miles long with a maximum width of 350 yards. Peak winds were estimated at 90 to 95 mph.

Event 424: August 10, 2021

The EF1 tornado touched down at 4:58 PM CST northwest of Black Creek, or 1.3 miles southeast of Stinson in Outagamie County. The tornado continued southeast, damaging trees and to the siding and roof of a house before dissipating at 5:11 PM CST. The total path length was estimated just over 2 miles with a maximum width of 40 yards. Peak winds were estimated to be around 90 mph.

Event 425: August 11, 2021

The EF0 tornado touched down at 1:08 PM CST one miles southwest of Angelica in Shawano County. The tornado uprooted trees and damaged an outbuilding before moving east and dissipating in a nearby field at 1:09 PM CST. The total path length was estimated at nearly four tenths of a mile and was 41 yards wide. Peak winds were estimated at 68 mph.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 426: August 11, 2021

The EF0 tornado touched down at 1:14 PM CST nearly one mile northwest of Pulaski in Brown County. The tornado moved east across the north side of Pulaski then dissipated about a mile and a half east of Pulaski around 1:22 PM CST. The tornado damaged trees. The total path length was estimated to be near 2.3 miles long with a maximum width of 75 yards. Peak winds were estimated around 70 mph.

Event 427: June 15, 2022

The EF1 tornado formed at 4:34 PM CST near Wittenberg in western Shawano County and continued northeast before dissipating at 4:46 PM CST near Bowler. Total path length is estimated at 9.5 miles long, with a maximum width of 125 yards. The peak wind was estimated around 110 mph.

Event 428: June 15, 2022

The EF1 tornado formed at 4:41 PM CST near West Bloomfield in northeast Waushara County. The tornado continued northeast before dissipating at 4:47 PM CST. The total path length was estimated at 4.8 miles long with a maximum width of 100 yards. The peak wind was estimated to be around 95 mph.

Event 429: June 15, 2022

The EF1 tornado formed at 4:46 PM CST within the Stockbridge-Munsee Community in western Shawano County and continued northeast before dissipating at 4:47 PM CST. The total path length was estimated to be nearly six tenths of a mile long and had a maximum width of 50 yards. The peak wind was estimated to be around 95 mph.

Event 430: June 15, 2022

The EF1 tornado formed at 4:52 PM CST near Manawa in central Waupaca County. The tornado continued northeast before dissipating at 4:56 PM CST near Symco. The total path length was estimated to be 3.1 miles long with a maximum width of 120 yards. The peak wind was estimated to be around 90 mph.

Event 431: June 15, 2022

The EF1 tornado formed at 5:09 PM CST near Leeman in north-central Outagamie County and then continued northeast entering Shawano County at 5:11 PM CST. The tornado dissipated near Navarino in eastern Shawano County at 5:18 PM CST. The tornado path length was estimated at 8.2 miles long with a maximum width of 80 yards. The peak wind speed was estimated at 94 mph.

Event 432: June 15, 2022

The EF0 tornado formed at 5:10 PM CST in the northeast corner of cemetery southwest of Black Creek in central Outagamie County. The tornado tracked northeast before dissipating at 5:20 PM CST a mile and a half east of Seymour. The total path length was estimated at 9.4 miles with a maximum width of 400 yards. The peak wind speed was estimated to be around 105 mph.

Event 433: June 15, 2022

The EF2 tornado formed at 5:31 PM CST in near Silver Cliff in western Marinette County and tracked northeast before dissipating at 5:35 PM CST. The total path length was estimated at 1.9 miles with a maximum width of 375 yards. The peak wind speed was estimated to be around 112 mph.

Event 434: June 15, 2022

The EF1 tornado formed at 5:34 PM CST near Middle Inlet in central Marinette County and tracked northeast before dissipating at 5:41 PM CST near Wausaukee. The total path length was estimated at 6.6 miles with a maximum width of 200 yards. The peak wind was estimated to be around 93 mph.

TORNADO REFERENCE GUIDE - CHRONOLOGICAL ORDER

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 435: June 15, 2022

The EF1 tornado formed at 5:45 PM CST near Amberg in northern Marinette County and tracked east-northeast before dissipating at 5:54 PM CST. The total path length was estimated at 8.5 miles long with a maximum width of 120 yards. The peak wind was estimated to be around 95 mph.

Event 436: June 15, 2022

The EF1 tornado formed at 6 PM CST northeast of Pembine in extreme northeastern Marinette County and tracked east-northeast before dissipating around 6:04 PM CST. The total path length was estimated to be nearly seven tenths of a mile long with a maximum width of 115 yards. The peak wind was estimated to be around 104 mph.

Event 437: July 27, 2023

The brief EF0 tornado formatted at 6:22 PM CST in the Hiles area of Forest County and continued southeast before dissipating at 6:26 PM CST. The total path length was estimated to be 1.68 miles long with a maximum width of 90 yards. Peak wind was estimated at 76 mph.

TORNADO REFERENCE GUIDE – F/EF5 TORNADOES

Event	Date			Time		TOR in GRB Service Area
#	Month	Day	Year	(CST)	Direction / Location	County or Counties
					No reported EF5 tornadoes	

There have been no documented EF5 tornadoes in the Green Bay forecast area serving 22 counties in central, north-central, and northeast Wisconsin.

TORNADO REFERENCE GUIDE – F/EF4 TORNADOES

Event	Date			Time		TOR in GRB Service Area
#	Month	Day	Year	(CST)	Direction / Location	County or Counties
1	6	25	1950	21:00	1 W Woodboro - 5 NE Rhinelander	Oneida
2	9	26	1951	15:45-16:08	9 SSW Amherst - 2 SW Bear Creek	Portage, Waupaca
3	4	3	1956	13:45-13:53	Berlin - 2 W Omro	Waushara, Winnebago
4	8	19	1968	16:10	3 SW Pound - Marinette	Marinette
5	4	21	1974	14:40-15:08	5 S Ripon - Oshkosh	Winnebago
6	4	27	1984	15:20-15:40	1 NE Winneconne - Freedom	Winnebago, Outagamie
7	7	5	1994	15:43-15:55	2.5 NW Maribel - 0.5 W Cooperstown	Manitowoc

TORNADO REFERENCE GUIDE – F/EF4 TORNADOES

Event 1: June 25, 1950

The F4 tornado touched down one mile west of Woodboro in Oneida County around 9 PM CST and traveled 13.1 miles to five miles northeast of Rhinelander. The tornado reached a maximum width of 880 yards. Two deaths were reported in Oneida County.

Event 2: September 26, 1951

The F4 tornado touched down 9 miles south southwest of Amherst in Portage County around 3:45 PM CST. The tornado then cut through the towns of Waupaca and Lebanon in Waupaca County. The tornado traveled 22.3 miles and reached a maximum width of 400 yards before dissipating 2 miles southwest of Bear Creek in Waupaca County around 4:08 PM CST. A family of five was killed near Waupaca; while a 40-year-old woman was killed near New London when a farm home was flattened.

Event 3: April 3, 1956

Unseasonably warm air ahead of a strong cold front triggered showers and thunderstorms across the state. The F4 tornado developed near Berlin in Green Lake County around 1:45 PM CST and traveled 11.5 miles across rural areas of southeast Waushara County near the town of Aurora; then dissipated around 1:53 PM CST two miles west of Omro in Winnebago County. The tornado was 440 yards wide. Berlin was hit the hardest with six killed and 50 injured. Severe storms killed eight people across the state on this day.

Event 4: August 19, 1968

The funnel was first observed at about 4 PM CST near Breed but remained aloft until three miles southwest of Pound in Marinette County. The F4 tornado developed 3 miles southwest of Pound around 4:10 PM CST and traveled nearly 22 miles before dissipating in Marinette. The tornado moved east about 3 miles south of Highway 53, destroying farms near Pound and again just south of Marinette. Large hail three inches in diameter fell north of the tornado track. Two elderly brothers, John and Cecil Maloney were fatally injured as their farmhouse near Pound blew apart. A third brother James, who was in bed when the winds struck was found on some bed springs in a nearby cornfield. He was hospitalized in satisfactory condition. Two more people were injured at Marinette when the tornado struck near the airport. Nearly twenty counties were included in a series of thunderstorm warnings issued by the Weather Bureau.

Event 5: April 21, 1974

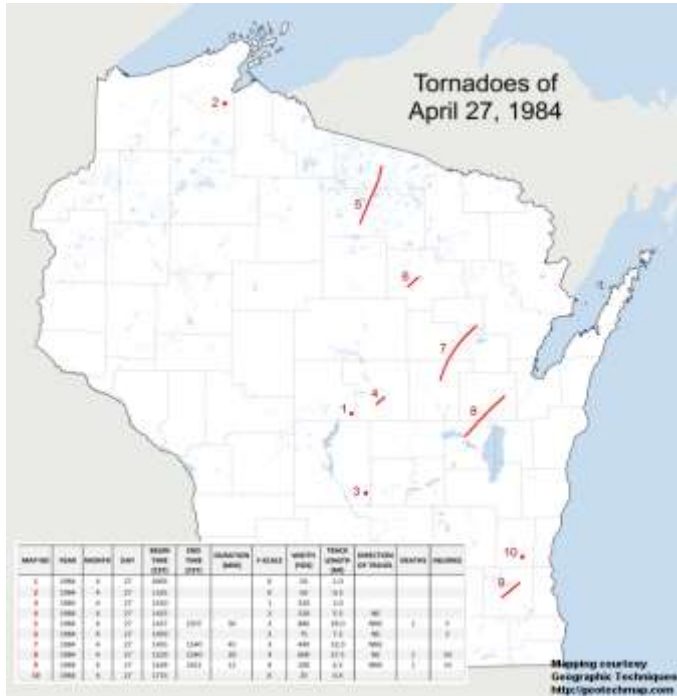
The F4 tornado first touched down 5 miles south of Ripon in Fond Du Lac County at about 2:40 PM CST. The tornado destroyed or severely damaged buildings on about 30 farms before approaching southwest Oshkosh at 2:58 PM CST. The tornado lifted 10 minutes later over northwest Oshkosh. The tornado traveled 26 miles and reached a maximum width of 200 yards. At Oshkosh, the tornado damaged 400 homes and business with 33 of the houses destroyed. Damage was estimated at 4.2 million dollars. In Oshkosh, 35 people were treated for injuries with only 10 people injured seriously enough to be hospitalized.

TORNADO REFERENCE GUIDE – F/EF4 TORNADOES

GREEN BAY FORECAST AREA TORNADOES

Event 6: April 27, 1984

The article for this date was written by Scott Cultice, forecaster at the National Weather Service in Green Bay. During the late afternoon of April 27, 1984, multiple super cell thunderstorms developed ahead of a strong cold front that moved across Wisconsin. Ten tornadoes were reported across the state, including three killer tornadoes: Tornadoes were reported in northern Wisconsin near St. Germain, one west of Appleton, and the third in southeast Wisconsin in Waukesha County. This outbreak of killer tornadoes was one of the bigger outbreaks in northeast Wisconsin since accurate tornado records began in 1950.



The Fox Valley Tornado - Continued

Around 3:20 PM CST, a tornado formed near the town of Butte des Morts in northern Winnebago County and quickly intensified into a destructive tornado. The violent storm moved northeast across the town of Clayton, killing one person, and destroying many houses. The tornado continued to track northeast toward the northwest side of the city of Appleton. By about 3:40 PM CST, the tornado wreaked havoc across the western edge of the Outagamie County Airport and near the town of Greenville. The tornado finally dissipated near Freedom.

An estimated two dozen homes were destroyed and many more were damaged across the Fox Valley that afternoon. The storm killed one person and injured 19 more. Total cost of the destruction over the Fox Valley was \$2.5 million (\$15 million in today's dollars). The tornado traveled on the ground at about 40 mph and, for a short time, was over one quarter mile wide. The twister was on the ground for over 27 miles. It was classified as an F4 tornado, now referred to as an EF4 on today's Enhanced Fujita Scale (wind speeds of 166-200 mph).

Other tornadoes on April 27, 1984 across NE Wisconsin

In addition to the Fox Valley tornado, five other tornadoes were reported across central and northeast Wisconsin that day. An F3 tornado, with winds estimated near 140 mph, tore through Oneida and Vilas counties, killing one person south of St. Germain and injuring eight others. Another F3 tornado was reported across Waupaca, Shawano, and Menominee counties causing considerable damage. Other tornadoes were observed over Wood, Portage, and Langlade counties.



April 27, 1984 killer tornado track west of Appleton.



TORNADO REFERENCE GUIDE – F/EF4 TORNADOES

GREEN BAY FORECAST AREA TORNADOES

Event 7: July 5, 1994

A powerful F4 tornado cut a short but devastating path in northern Manitowoc County from two and a half miles northwest of Maribel around 3:43 PM CST to a half mile west of Cooperstown before dissipating around 3:55 PM CST. A second small tornado also developed two miles southwest of Cooperstown and carved out a minor damage path leveling a shed and tossing a grain box 300 yards. Much of the \$2.1 million in damages was inflicted by the first tornado. The tornado damaged 26 homes, 19 vehicles and one mobile home. Four heifers and two sheep were also killed. One man was injured when he was struck by a 55-gallon drum while a woman suffered minor injuries when pieces of a stone foundation fell on her. The tornado traveled three and a half miles and reached 150 yards in diameter.

TORNADO REFERENCE GUIDE – F/EF3 TORNADES

Event	Date			Time		TOR in GRB Service Area
#	Month	Day	Year	(CST)	Direction / Location	County or Counties
1	9	18	1950	14:30	2 N Waupaca - Weyauwega	Waupaca
2	6	4	1958	19:30-20:06	6 SE Chippewa Falls - 2 NW Athens	Marathon
3	6	26	1969	11:15-11:30	Black Creek - 8 W Sobieski	Outagamie, Shawano, Oconto
4	12	1	1970	10:15-10:45	Near Medina - Rose Lawn	Outagamie, Shawano
5	9	28	1971	14:00-16:05	23 NE Eau Claire - Merrill	Lincoln, Marathon
6	9	28	1971	16:00-17:20	3 NE Brokaw - Middle Inlet	Marathon, Langlade, Oconto, Marinette
7	8	31	1977	18:15	1 SW Stratford - Wausau	Marathon
8	4	27	1984	14:37-15:07	Fawn Lake - Star Lake	Oneida, Vilas
9	4	27	1984	14:55-15:40	Union (Waupaca Co) - Legend Lake	Menominee, Shawano, Waupaca
10	6	8	1985	18:15-18:52	Park Falls - 3 SE Monico	Oneida
11	7	4	1986	19:00-19:25	2 S Niagara - Carney/Nadeau, MI	Marinette
12	8	29	1992	19:10-19:55	1 N Wautoma - 3 SE Poysippi	Waushara
13	8	23	1998	17:30-17:44	3 SW Egg Harbor - 5 SE Egg Harbor	Door
14	6	7	2007	15:31-16:18	2 ENE Mattoon - 9.5 ENE Lakewood	Shawano, Langlade, Oconto
15	4	10	2011	17:08-17:41	2 N Hamburg - 1 SW Bloomville	Marathon, Lincoln

Event 1: September 18, 1950

The F3 tornado touched down in Waupaca County 2 miles north of Waupaca around 2:30 PM CST and traveled to Weyauwega before dissipating. Storm data was not available at the time, and I could not find any additional newspaper articles on this tornado event.

Event 2: June 4, 1958

According to several sources, it appears that there was a long tracked F3 tornado that developed 6 miles southeast of Chippewa Falls in Chippewa County around 7:30 PM CST. The tornado then moved to the east northeast for just over 59 miles before dissipating 2 miles northwest of Athens in Marathon County around 8:06 PM CST. The tornado reached a maximum width of 880 yards. Newspaper accounts indicated there were three separate tornadoes during this event. The tornado or tornadoes killed 28 people across western Wisconsin. Four people died in Chippewa Falls and near Menominee while two deaths were reported Knapp and Boyd in western Wisconsin.

Event 3: June 26, 1969

A rare morning tornado was reported across northeast Wisconsin. Around 11:15 AM CST, the F3 tornado was noted moving northeast between Black Creek and near Pulaski in Outagamie County. The tornado traveled across far southeast Shawano County before dissipating 8 miles west of Sobieski in Oconto County around 11:30 AM CST. The tornado caused extensive damage to trees and buildings in Black Creek, Seymour, Hofa Park and Elm Lawn and near Pulaski. A seven-year-old girl was hospitalized from injuries when a barn fell on her. The tornado traveled 18 miles and reached a maximum width of 100 yards.

TORNADO REFERENCE GUIDE – F/EF3 TORNADES

Event 4: December 1, 1970

The F3 tornado developed around 10:15 AM CST near Medina in Outagamie County. The tornado moved northeastward at approximately 50 mph destroying about twenty barns and five homes. The tornado caused additional property damage along a track from Medina to Black Creek and beyond to near County Trunk C in southeastern Shawano County. The tornado was 200 yards, traveled 30 miles before dissipating around 10:45 AM CST near Rose Lawn in Shawano County. Damage to farm buildings was estimated at \$500,000 dollars. Damage to a transmission line a mile and a half east of Stephenville was estimated at \$100,000.

Event 5: September 28, 1971

A cold front moving through the state triggered scattered thunderstorms across the state. On this date, two long tracked F3 tornadoes were noted from near Stanley in western Wisconsin to Oconto County. The first tornado touched down 23 miles northeast of Eau Claire just south of Boyd and Stanley in Chippewa County around 2 PM CST. The tornado continued just south of Owen, north of Curtiss and south of Dorchester in Clark County. The tornado then moved into Marathon County south of Athens then weakened over Hamburg before finally dissipating just north of Merrill in Lincoln County around 4:05 PM CST. The tornado reached a maximum width of 300 yards and traveled 75 miles before dissipating. Damage was estimated near two million dollars.

Event 6: September 28, 1971

The second F3 tornado developed over the town of Hewitt northeast of Wausau in Marathon County around 4 PM CST. The town hall and four barns were destroyed in Hewitt. The tornado continued east northeast into Langlade County, passing about 6 miles south of Antigo and moved across the extreme northwest corner of Menominee County just south of White Lake. The tornado moved into Oconto County near Mountain, and then into Marinette County to Middle Inlet where the tornado dissipated around 5:20 PM CST. The tornado traveled 78 miles and reached a maximum width of 300 yards. The most severe damage occurred at Mountain where damage to buildings and trailers were estimated at \$200,000 dollars. Extensive damage to property and trees was reported in the Boulder Lake area where the lake level was reported to have dropped 5 inches. One person was injured at White Lake and four injuries were noted at Mountain, none seriously.

Event 7: August 31, 1977

On the evening of the 31st, a devastating F3 tornado spun out a 27 mile-path of destruction across Marathon County around 6:15 PM CST. The first sighting of the tornado came seven miles southwest of Fenwood. The funnel base was described as reaching tree top levels as it downed barns in the area. The tornado continued to near Marathon City where more barns were destroyed. The tornado caused extensive damage to Ginseng crops in the area. In Rib Mountain, 15 homes were demolished, and 30 others were severely damaged. The storm moved into southwest Wausau damaging a mill and lumber yard. As the funnel cloud moved across the southern end of Wausau, brief touchdowns were noted at Grand Avenue and at Tenth and Manson Streets. The funnel lifted and moved eastward out of the city limits of Wausau, touching down for a final time on Linden Street. Barns and sheds were destroyed on Linden. The tornado reached a maximum width of a thousand yards. Property damage was close to two million dollars.

Event 8: April 27, 1984

The F3 tornado developed near Fawn Lake in Oneida County around 2:37 PM CST. The tornado traveled to near Star Lake in Vilas County before dissipating around 3:07 PM CST. The tornado leveled several thousand acres of forest, destroyed or damaged 80 homes and cabins, ripped up docks and tossed boats in the air or wrapped them around trees. A Fawn Lake man was killed after getting his family to safety. The hardest hit areas were Fawn Lake, Two Lakes, Hasbrook and Gilmore Lakes in Oneida County. In Vilas County, the hardest hit areas were St. Germain Lake, Lost Lake and Star Lake. The tornado traveled 29 miles and reached a maximum width of 880 yards.

TORNADO REFERENCE GUIDE – F/EF3 TORNADES

Event 9: April 27, 1984

Another F3 tornado touched down on April 27th in Union township in Waupaca County around 2:55 PM CST. The tornado skipped north northeast to Legend Lake in Menominee County where the tornado dissipated around 3:40 PM CST. The tornado traveled 32 miles and reached a maximum width of 440 yards. Damage occurred to 41 homes and cabins, 5 barns, 19 garages and sheds as well as several hundred acres of forest. The hardest hit areas were around Marion in Waupaca County, the town of Pella in Shawano County, and the South Branch-Legend Lake areas of Menominee County. Overall, there were six tornadoes on this date across north central and northeast Wisconsin. The strongest tornado, an F4, occurred across Winnebago and Outagamie Counties around the same time these two tornadoes occurred. Across the state of Wisconsin, there were ten tornadoes reported on this date.

Event 10: June 8, 1985

A severe thunderstorm spawned a killer F3 tornado and dropped large hail as it rolled through Price and Oneida Counties, causing widespread property, crop, and timber damage. The tornado skipped from Park Falls to about 15 miles southeast of Rhinelander. The tornado first touched down one mile west of Park Falls around 6:15 PM CST and moved through the southern portion of the city. In Park Falls, 125 buildings were damaged with 12 houses and businesses were heavily damaged or destroyed. 26 people received mostly minor injuries in Park Falls. The tornado continued southeast, cutting an eighteen mile and 1.5 miles wide swath through eastern Price County and into Minocqua in Oneida County where the tornado dissipated around 6:52 PM CST. Two people were killed and sixteen injured at Swamsauger Lake and Cedar Falls resort in the Willow Reservoir area in Oneida County. A man apparently drowned when the tornado lifted him and his house and deposited it into Swamsauger Lake. A woman was killed when a tree crashed through a vehicle in which she was seeking refuge. The tornado continued to the southwest portion of Rhinelander and then dissipated southeast of Monico. A total of 47 residences were heavily damaged or destroyed while another 43 more received some damage in Oneida County. 9,900 acres of timber and cranberry bogs were lost in Oneida County.

Event 11: July 4, 1986

The F3 tornado touched down 2 miles south of Niagara in Marinette County at Highway 8 and Highway 141 around 7 PM CST. The tornado demolished a building next to a restaurant and slashed some trees. The tornado then skipped east-southeast and destroyed a home and garage, carrying its roof a half mile away. The tornado crossed the Menominee River and into the Carney-Nadeau area of Menominee County, Michigan around 7:25 PM CST. The tornado traveled 8 miles and was 100 yards wide.

Event 12: August 29, 1992

The F3 tornado touched down east of Big Flats in Adams County around 7 PM CST. The tornado skipped along a five-mile path, toppling trees, and downing a 24 by 30-foot building. The killer tornado traveled a 28 mile-path across Adams and Waushara Counties. The tornado was noted north of Coloma 7:10 PM just CST. The tornado then moved to Wautoma to just north of Redgranite and then to three miles southeast of Poy Sippi before dissipating around 7:55 PM CST. The hardest hit area was just south of Wautoma where a woman was killed when her mobile home was hurled several hundred feet into a parking lot. In addition, 30 people were injured, several critically. The tornado caused over ten million dollars in damage. Forty-eight homes were destroyed, and ninety-five other structures sustained major damage, 289 received minor damage. 950 acres of trees were toppled by the tornadic winds.

TORNADO REFERENCE GUIDE – F/EF3 TORNADOES

Event 13: August 23, 1998

Article written by National Weather Service Green Bay Staff

The F3 tornado struck a rural section of central Door County in Northeast Wisconsin during the evening of August 23, 1998. The multiple-vortex tornado was on the ground for nearly 14 minutes while carving a path of damage 5.1 miles long and 1/4 to over 1/2 mile wide at times. Damage was estimated at nearly \$7 million. The tornado, which moved off the waters of Green Bay, moved on shore three miles southwest of Egg Harbor at 5:30 PM CST, near Horseshoe Bay. Thousands of trees were snapped or uprooted as the tornado moved across the heavily wooded area in Murphy Park. The width of the damage path just after it came on shore was nearly one-half mile! The tornado then crossed Highway 42 at about 5:34 PM CST, severely damaging several houses and businesses. Damage in this area was rated F2 on the Fujita Scale of F0 to F5. About three minutes later the tornado ripped a two-story farm off its foundation, dropping it 20 yards away. Based on the house's construction, damage in this area was rated F3. Nearby, a campground was hit, causing considerable damage there to trees and campers. Amazingly, only two people were injured. The tornado weakened shortly thereafter, lifting off the ground three miles west-northwest of Jacksonport at around 5:44 PM CST.



AUGUST 23, 1998 DOOR COUNTY EF3 TORNADO

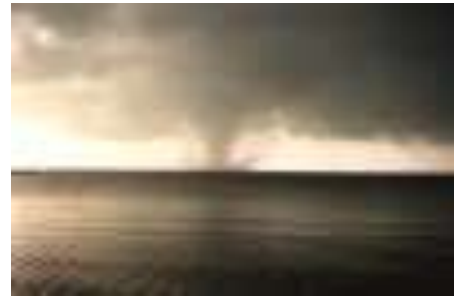
This photo was taken about the time the super cell thunderstorm was entering the Bay of Green Bay, off the Menominee, Michigan coast around 5:05 PM CST. The picture was taken 75 miles south of the storm. (Photograph © 1998 Michael Schardt)



This picture was taken around 5:15 PM CST, about the time the supercell was producing the waterspout on the bay. The picture was taken 25 miles south of the storm. (Photograph © 1998 Ray Fulwiler)

TORNADO REFERENCE GUIDE - EF3 TORNADOES

Event 13: August 23, 1998 Continued



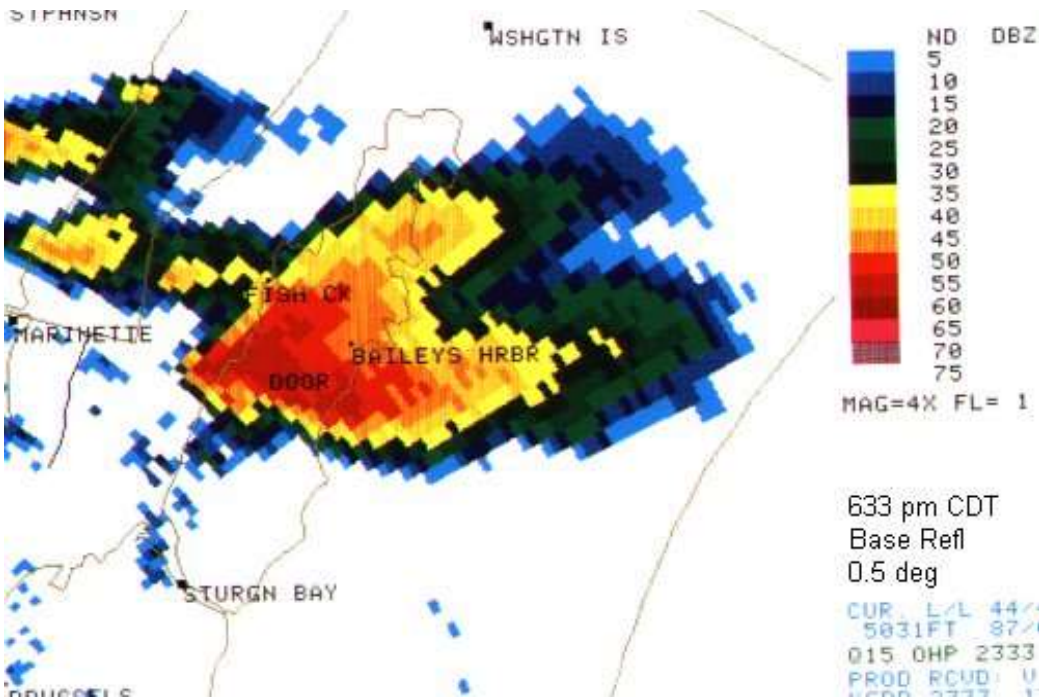
These photos were taken by Tom Janssen II at Murphy Park, which was hit by the tornado. The two on the left show the waterspout just after it developed, around 5:15 PM CST. The third picture was taken a little after 5:20 PM CST. The tornado was off the Door county shore over the Bay of Green Bay.



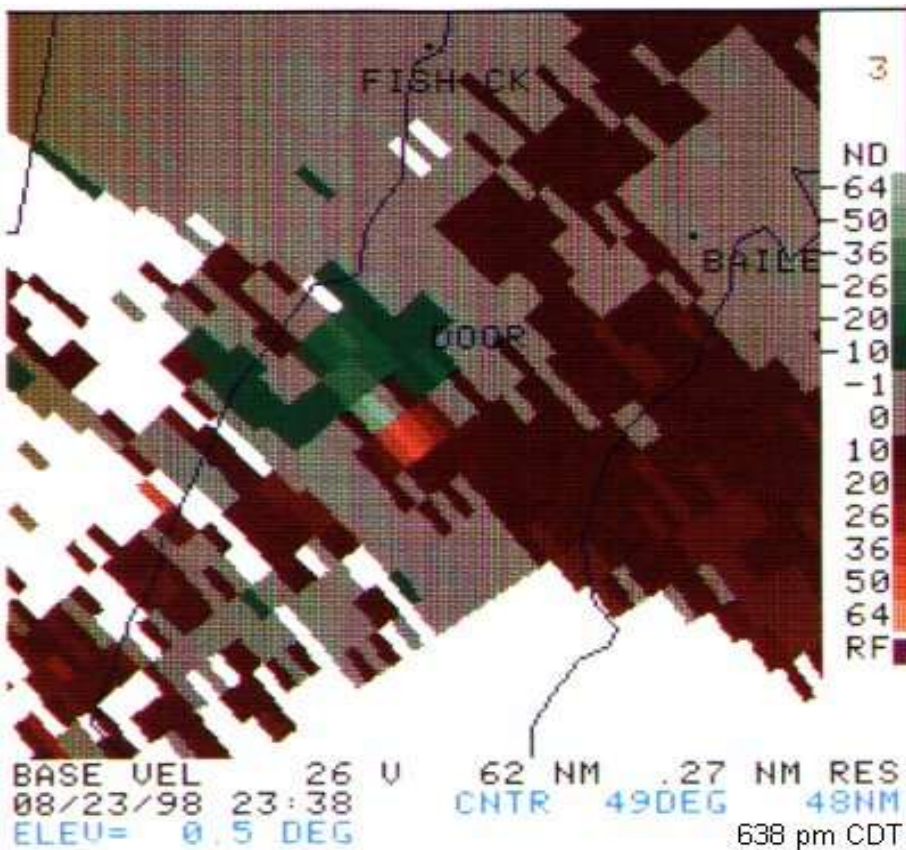
These pictures were taken by Gary Gridley, from Egg Harbor. The photo on the left was taken at 5:25 PM CST. The picture on the right was taken around 5:30 PM CST, as the tornado was coming onshore at Murphy Park.

TORNADO REFERENCE GUIDE – F/EF3 TORNADOES

Event 13: August 23, 1998 Continued



This image shows the supercell thunderstorm as viewed by the radar. The image was taken at 633 PM CDT.



Note: The second image shows the tornado vortex signature 9 minutes later (5:38 PM CST) near the time it was producing F3 damage. At this point, the radar measured 94 knots (108 mph) winds (ground relative) at about 4,100 feet above the ground.

TORNADO REFERENCE GUIDE – F/EF3 TORNADOES

Event 13: August 23, 1998

Door County Tornado Damage



Here is a panoramic view looking east on Hwy 42. The damage width (which goes off the picture on both sides) was over ¼ mile wide as it passed over Hwy 42. (Photograph by Jeff Last)



This building (left picture) was on the south side of the tornado as it passed over Hwy 42 (Photograph by Jill Last, NWS Green Bay). There used to be a farmhouse and barn here (right picture).

TORNADO REFERENCE GUIDE – F/EF3 TORNADOES

Event 14: June 7, 2007

By National Weather Service Green Bay Staff



Fast moving supercell thunderstorms with damaging winds, hail larger than 5 inches in diameter, and tornadoes ripped across central and northeast Wisconsin on June 7, 2007. Five tornadoes touched down in central and northeast Wisconsin.

Map of northeast Wisconsin and tornado tracks. Not denoted on the map is an area of straight-line wind damage in the Thunder Mountain area of western Marinette County, caused by the same supercell that produced the long-track tornado.

Menominee-Langlade-Oconto Counties Long-Track Tornado

A long-track EF3 tornado touched down at 3:31 PM CST east of Mattoon in Shawano County and continued northeast to the Oconto-Marinette County line. The tornado was on the ground for at least 40 miles and was over 1/2 mile wide at times. Over 14,000 acres of trees were snapped or flattened, and many dozens of buildings were damaged or destroyed. The twister was rated an EF3 on the Enhanced Fujita scale, with estimated winds of 140 to 160 mph.



Picture on left: Tornado passing south of White Lake in Langlade Co. Picture courtesy: WAOW-TV.

Picture on right: Tornado as seen from HWY T in southwest Oconto Co. Picture courtesy of the Wisconsin Department of Natural Resources.

TORNADO REFERENCE GUIDE – F/EF3 TORNADOES

Event 14: June 7, 2007 Continued



Path of tornado damage viewed by: Aqua MODIS satellite. Courtesy: ERSC, UW-Madison.

TORNADO REFERENCE GUIDE – F/EF3 TORNADOES

Event 14: June 7, 2007 Continued



Picture above: Damage at the Bear Paw Resort.



Picture on the left: More damage at the Bear Paw Resort.



Picture on the right: This is what remained of a double-wide mobile home in the town of Riverview. The owner heard the Tornado Warning and went into the bathtub (circled in large view) and escaped without a scratch!

TORNADO REFERENCE GUIDE – F/EF3 TORNADOES

Event 14: June 7, 2007 Continued



Looking northeast across Hwy 64 in Oconto Co. The damage path was as much as 3/4 mile wide in this area. Picture courtesy Wisconsin DNR

Event 15: April 10, 2011

The EF3 tornado developed about 2 miles north of Hamburg at 5:08 CST PM and moved northeast into Lincoln County at 5:10 PM CST. Pine trees were uprooted, and large branches were broken in the path of the storm. One house sustained damage to its siding and several barns were blown down or lost their roofs in Marathon County. The tornado was rated an EF0 in Marathon County. The average width of the tornado in Marathon County was 100 yards. The tornado reached EF3 intensity on the north side of Merrill in Lincoln County at approximately 5:22 PM CST where 22 homes and 7 businesses were destroyed. Several homes lost nearly all exterior and some interior walls. In addition, 22 homes and one business sustained major damage, and 20 homes and four businesses sustained minor damage. A 67-year-old male was thrown over 200 feet from his bedroom and suffered broken ribs, a ruptured spleen, and a bruised lung. Another person sustained minor injuries. The tornado tore a path over 20 miles long in Lincoln County before dissipating. The maximum width of the tornado was six tenths of a mile (1,050 yards) wide. The average width was about 400 yards.

TORNADO REFERENCE GUIDE – F/EF2 TORNADES

Event	Date			Time		TOR in GRB Service Area
#	Month	Day	Year	(CST)	Direction / Location	County or Counties
1	6	25	1950	21:00	3 W Colby - 3 NE Abbotsford	Marathon
2	4	15	1954	15:00	2 NE Neshkoro - Redgranite	Waushara
3	6	20	1954	02:30-0240	Rothschild to 6 NE Mosinee	Marathon
4	6	20	1954	04:00	Brothertown	Calumet
5	4	3	1956	12:50	3 S Bancroft - 2 NW Amherst	Portage
6	4	6	1956	13:45-13:53	Ogdensburg - Symco	Waupaca
7	7	1	1956	12:05	5 E of Maplewood to 4 SE Institute	Door
8	4	19	1957	16:00-16:15	3 W Wautoma - 2 NW West Bloomfield	Waushara
9	5	17	1958	15:40	3 W - 2 NE Wausaukee	Marinette
10	6	30	1958	17:30	1 NW Gleason	Lincoln
11	5	6	1959	03:20	Symco - 3 SE Clintonville	Outagamie, Waupaca
12	5	6	1959	13:30	3 NE Shiocton	Outagamie
13	5	10	1959	20:50-20:55	Green Bay	Brown
14	7	8	1959	16:54	Niagara	Marinette
15	8	28	1959	14:04	3 N Appleton	Outagamie
16	11	15	1960	14:25	2 NE Chili - near Rib Mountain	Marathon
17	9	3	1961	00:10	Fenwood	Marathon
18	7	24	1962	17:00	Corning	Lincoln
19	5	7	1964	18:00	Wisconsin Rapids	Wood
20	5	8	1964	17:00	5 N Iola - 1 W Clintonville	Waupaca
21	5	8	1964	17:50	7 ESE Knowlton - 5 W Elderon	Marathon
22	5	8	1964	18:30-19:06	Winneconne-Wrightstown	Brown, Calumet, Winnebago, Outagamie
23	6	9	1964	15:00	Pound	Marinette
24	8	22	1964	14:00	6 W Bancroft - Grant	Portage
25	7	8	1965	17:00	1 W - 1 N Sherwood	Calumet
26	6	4	1966	19:00	Gillett - 2 NE Oconto Falls	Oconto
27	6	4	1966	19:00	Suring	Oconto
28	3	31	1967	23:49	Marshfield	Wood
29	6	30	1967	23:49-23:59	Chilton - 7 E Chilton	Calumet, Manitowoc
30	7	22	1967	23:00-23:18	2 S Loyal - 5 E Marshfield	Wood
31	6	30	1968	04:00	3 NW Cavour	Forest
32	8	16	1968	12:30	Kaukauna	Outagamie
33	8	16	1968	21:20	5 SE Hofa Park - 4 S Pulaski	Brown
34	8	19	1968	17:30	4 W Fenwood - 11 E Fenwood	Marathon
35	6	26	1969	17:00	Lac Du Flambeau - 9 NW Land O Lakes	Vilas
36	4	22	1970	20:40	Ashwaubenon to Green Bay - north side	Brown
37	4	22	1970	21:00	De Pere to Green Bay	Brown
38	4	22	1970	21:00-21:10	1 N Casco - Rio Creek	Door, Kewaunee
39	4	22	1970	21:20-21:30	7 SE Maplewood	Door
40	4	22	1970	21:20	Algoma - 6 NE Algoma	Kewaunee
41	7	7	1970	15:00	Bancroft	Portage

TORNADO REFERENCE GUIDE – F/EF2 TORNADES

Event	Date			Time		TOR in GRB Service Area
#	Month	Day	Year	(CST)	Direction / Location	County or Counties
42	12	1	1970	09:00	12 SE Marshfield	Wood
43	12	1	1970	09:45-10:30	4 NW Iola - Pella	Shawano, Waupaca
44	9	28	1971	14:15-16:05	19 SW Merrill - Merrill	Lincoln
45	9	16	1972	16:05	4 NW Wabeno - 2 N McAllister	Forest, Marinette
46	4	12	1974	14:05	5 W Athens	Marathon
47	4	12	1974	14:15	Wittenberg - Bowler	Shawano
48	4	21	1974	15:25	4 NNW Crivitz	Marinette
49	6	12	1976	20:30	1 W Alban	Portage
50	6	13	1976	19:00	Plover	Portage
51	6	7	1978	15:15	2 NW Francis Creek	Manitowoc
52	6	16	1979	09:30	Oconto Falls - 2 NE Lena	Oconto
53	8	9	1979	18:20	Rockland Beach	Calumet
54	6	7	1980	00:20	Valders	Manitowoc
55	4	4	1981	00:35	4 W Kiel	Calumet
56	6	13	1981	21:00	Three Lakes	Oneida
57	5	6	1982	14:30	2 S Stephenville - 1 S Black Creek	Outagamie
58	7	3	1983	17:35	6 W Unity - Cherokee	Marathon
59	4	27	1984	14:50	4 NW Antigo	Langlade
60	4	27	1984	14:15	0.5 S Plover	Portage
61	9	24	1984	16:50	13.5 WSW Wausau - Wausau	Marathon
62	6	8	1985	20:00-20:30	Sand Bay - Sturgeon Bay	Door
63	8	12	1985	18:13-18:30	6 S Marshfield - Auburndale	Wood
64	7	4	1986	19:35-19:40	5 SE Hazelhurst	Oneida
65	5	8	1988	17:10	4.5 SW Hadler - Rib Falls	Marathon
66	6	27	1991	18:20-18:30	12 WSW Minocqua - Marian Lake	Oneida
67	5	16	1992	18:10-18:30	4 W Keene - 5 SE Amherst	Portage
68	5	30	1994	20:50-21:16	2 SW Crandon - 1 N Laona	Forest
69	7	5	1994	15:53	2 SW Cooperstown	Manitowoc
70	8	7	1996	01:45-01:49	6.5 N Stratford - 2.5 NNW Fernwood	Marathon
71	7	16	1997	14:38-14:40	11.5 ESE - 12 SE Merrill	Lincoln
72	7	16	1997	14:40-14:45	8.5 NNE - 6.9 NE Nutterville	Marathon
73	9	30	2002	18:30-18:35	8 W - 4.5 WNW Tomahawk	Lincoln
74	6	23	2004	18:56-19:06	9 W Waupaca - 2 SW Lind Center	Waupaca
75	6	7	2007	15:01-15:14	1.4 W Peplin - 0.9 N Pike Lake	Marathon
76	4	10	2011	18:30-18:46	3 SE Argonne - 6 SE Long Lake	Forest, Florence
77	4	10	2011	19:43-19:46	1.2 SW Kaukauna - 0.3 S Little Chute	Outagamie
78	8	6	2013	23:24-23:33	1.2 W New London - 0.4 WSW Greenville	Waupaca, Outagamie
79	6	15	2022	17:31-17:35	9.4 WSW - 7.7 W Athelstane	Marinette

TORNADO REFERENCE GUIDE – F/EF2 TORNADOES

Event 1: June 25, 1950

The F2 tornado touched down 3 miles west of Colby and traveled to three miles northeast of Abbotsford around 9 PM CST. There was no additional information on this tornado. The tornado traveled approximately 3 miles with a maximum width of 20 yards.

Event 2: April 15, 1954

The F2 tornado struck around 3 PM CST two miles northeast of Neshkoro in Waushara County. The tornado traveled approximately six miles and reached a maximum width of 30 yards before dissipating at Redgranite. Widespread damage was reported at Redgranite, Lohrville and Spring Lake. Numerous small buildings and trees were damaged. The greatest single property damage occurred at the St. Marks Catholic Church in Redgranite. The frame structure was badly shaken by the storm, resulting in jammed doors and dislodged staircases and shattered walls. In the Spring Lake-Lohrville area, the greatest damage was in the town of Marion where a large barn was leveled. The wind scattered the tin roof for hundreds of yards in several directions.

Event 3: June 20, 1954

The F2 tornado developed around 2:30 AM CST in Rothschild in Marathon County. The tornado traveled approximately 6.3 miles and dissipated six miles northeast of Mosinee around 2:40 AM CST. The maximum width of the tornado was 70 yards. Another tornado was reported in Brothertown in Calumet County around 4 AM CST.

Event 4: June 20, 1954

The F2 tornado developed around 4 AM CST in Brothertown in Calumet County. The tornado traveled one mile and had a maximum width of less than 50 yards.

Event 5: April 3, 1956

A strong spring storm killed 43 people nationwide, including eight in Wisconsin on this date. The F2 tornado developed 3 miles south of Bancroft in Portage County around 12:50 PM CST. The tornado traveled 18.2 miles to two miles northwest of Amherst before dissipating. The tornado reached a maximum width of 100 yards. Two fatalities were reported in Portage County.

Event 6: April 6, 1956

The F2 tornado developed near Ogdensburg in Waupaca County around 1:45 PM CST. The tornado traveled 7 miles to Symco before dissipating around 1:53 PM CST. The tornado reached a maximum width of 100 yards.

Event 7: July 1, 1956

The F2 tornado developed 5 miles east of Maplewood in Door County and traveled 11 miles to four miles southeast of Institute around 12:05 PM CST. The tornado had a maximum width of 50 yards.

Event 8: April 19, 1957

The F2 tornado developed 3 miles west of Wautoma in Waushara County around 4 PM CST. The tornado traveled nearly 23 miles and reached a maximum width of 50 yards before dissipating two miles northwest of West Bloomfield around 4:15 PM CST. No fatalities were reported at a farmhouse that was leveled in rural Wild Rose. The farm of Reuben Anderson, Route 2 Wild Rose was the principal destruction point in Waushara County. The tornado destroyed a 34 by 56-foot barn, a 10 by 30-foot wood silo, a chicken coop, a milk house, and woodshed.

Event 9: May 17, 1958

The F2 tornado developed 3 miles west of Wausaukee in Marinette County around 3:40 PM CST and traveled northeast for 4.7 miles before dissipating 2 miles northeast of Wausaukee. The tornado reached a maximum width of 80 yards.

TORNADO REFERENCE GUIDE – F/EF2 TORNADOES

Event 10: June 30, 1958

The brief F2 tornado touched down around 5:30 PM CST one mile northwest of Gleason in Lincoln County. The tornado traveled approximately 2 miles and reached a maximum width of 50 yards. According to the Rhinelander Daily News, the United States Weather Bureau stated a Northwest Orient Airlines plane and an Antigo radar station both reported radar echoes with the dangling hooks characteristic of tornado clouds.

Event 11: May 6, 1959

The F2 tornado developed near Symco in Waupaca County and traveled a little over 7 miles to three miles southeast of Clintonville in Outagamie County around 3:20 AM CST. A second tornado hit Outagamie County later that afternoon.

Event 12: May 6, 1959

The F2 tornado touched down 3 miles northeast of Shiocton and traveled nearly 2 miles before dissipating around 1:30 PM CST. The tornado reached a maximum width of 200 yards. The tornado flattened a barn on the farm of Mrs. Matilda Gehring. Numerous trees were damaged in a nearby wooded lot while a shed on a nearby farm sustained damage.

Event 13: May 10, 1959

The F2 tornado touched down in Ashwaubenon in Brown County around 8:50 PM CST and traveled northeast for approximately four miles into Preble and the city of Green Bay before dissipating at 8:55 PM CST. The maximum diameter of the tornado was less than 50 yards wide. One of the most severely damaged buildings in the Sunday night tornado was a year-old home moved nearly off its foundation in Ashwaubenon. Five members of the Julius Alberts family were inside the house when the tornado hit, escaped injury. The garage disappeared from the neighborhood and the car inside was twisted around and dumped in a field behind the house. Six homes were demolished and at least 50 others suffered heavy damage. Three injuries were noted with the tornado.

Event 14: July 8, 1959

The F2 tornado touched down in Niagara in Marinette County around 4:54 PM CST. The tornado traveled approximately one mile and had a maximum width of 50 yards. The tornado downed trees, flattened a garage, tore the roof off a house, bounced an automobile off a house, and hit a tavern. There were three injuries when the twister picked up their trailer home and dumped it 100 feet away.

Event 15: August 28, 1959

Several funnel clouds were reported near the Outagamie County Airport by a pilot, and several other funnel clouds were noted by the Kimberly, Little Chute and Kaukauna police. The F2 tornado touched down about 3 miles north of Appleton around 2:04 PM CST. The tornado traveled approximately a mile before dissipating and had a maximum width of 35 yards.

Event 16: November 15, 1960

The F2 tornado developed near Chili in southeast Clark County. The tornado traveled for 36 miles into central Marathon County around 2:25 PM CST where the tornado dissipated near Rib Mountain. The tornado reached a maximum width of 100 yards. Main damage with the storm occurred near Chili and near the Town of Rib Mountain.

Event 17: September 3, 1961

The F2 tornado touched down near Fenwood in Marathon County around 12:10 AM CST and traveled about 2 miles. The tornado was 35 yards wide. Damage was confined to farm buildings and crops in rural western Marathon County.

Event 18: July 24, 1962

The F2 tornado touched down briefly in the town of Corning in Lincoln County around 5 PM CST. The tornado traveled about a mile and had a maximum width of 50 yards. The tornado destroyed a barn and other buildings in the town of Corning.

TORNADO REFERENCE GUIDE – F/EF2 TORNADOES

Event 19: May 7, 1964

The F2 tornado touched down in the city of Wisconsin Rapids in Wood County around 6 PM CST and traveled a half mile. The maximum width of the tornado was 100 yards. The tornado tore through the Suburban Heights trailer court. There were fourteen injuries, none of them serious. Ten of the trailer homes were ripped from their foundation and tossed up into the air. The body of one was torn off and the frame was left lying upside down 100 yards from its original base. Many of the trailers were occupied by the Wisconsin Rapids Twins ballplayers and their wives. Some damage to roofs and television antennas was reported within the city limits.

Event 20: May 8, 1964

Several tornadoes were noted across the state on this date. In north central and northeast Wisconsin, the F2 tornado touched down from about five miles north of Iola in Waupaca County around 5 PM CST. The tornado traveled a little over 3 miles to one mile west of Clintonville. The tornado had a maximum width of 200 yards. At least five barns were reported down in the Clintonville area. Another tornado was noted across Marathon County from seven miles east southeast of Knowlton to five miles west of Elderon around 5:50 PM CST.

Event 21: May 8, 1964

The F2 tornado touched down 7 miles east southeast of Knowlton in Marathon County around 5:50 PM CST. The tornado traveled about twelve miles to 5 miles west of Elderon. The tornado had a maximum width of five hundred yards.

Event 22: May 8, 1964

Another long tracked F2 tornado was noted on this date across northeast Wisconsin. The tornado developed near Winneconne in Winnebago County around 6:30 PM CST. The tornado traveled northeast across Menasha, striking the John Strange Paper Company. The tornado continued into Neenah, near the Fox Point Shopping Center. The Fox Point Shopping Center suffered extensive damage where windows were blown in, and sections of the roof were blown off. The tornado continued into the southeast corner of Appleton near the Calumet Street power substation. The tornado finally dissipated in Wrightstown around 7:06 PM. At least ten barns were destroyed near Kaukauna.

Event 23: June 9, 1964

The F2 tornado touched down near Pound in Marinette County around 3 PM CST. The tornado traveled approximately 3 miles and had a maximum width of 50 yards.

Event 24: August 22, 1964

The F2 tornado touched down six miles west of Bancroft and traveled approximately 7 miles to the town of Grant around 3 PM CST in Portage County. The tornado had a maximum width of 300 yards.

Event 25: July 8, 1965

The F2 tornado touched down one mile west of Sherwood in Calumet County and traveled approximately 3 miles to the northeast before dissipating one mile north of Sherwood around 5 PM CST. The tornado was 100 yards wide. The twister, striking in a narrow path northeast from High Cliff Park broke trees, power, and telephone poles, and leveled a barn at the farm of Mrs. Anna Goaz at Route 1 in Menasha. Several other farm properties were damaged. Two teenage girls received multiple cuts and bruises when they were picked up by the twister and thrown down on a road in the High Cliff Beach area.

Event 26: June 4, 1966

There were two F2 tornadoes reported on this date in Oconto County. The F2 tornado touched down near Gillett and then traveled nearly 5 miles to two miles northeast of Oconto Falls in Oconto County around 7 PM CST. The tornado was 50 yards wide. Another F2 tornado was reported near Suring around 7 PM CST. There was a total of three tornadoes across Oconto County on this night. The tornadoes brought 37 barns and many trees and wires down across the county near Gillett and Suring.

TORNADO REFERENCE GUIDE – F/EF2 TORNADES

Event 27: June 4, 1966

There were two F2 tornadoes reported on this date in Oconto County. The F2 tornado was reported near Suring around 7 PM CST. The tornado was 50 yards wide and traveled for 2 miles before dissipating. Another F2 tornado touched down near Gillett and then traveled nearly 5 miles to two miles northeast of Oconto Falls in Oconto County around 7 PM CST. There was a total of three tornadoes across Oconto County on this night. The tornadoes brought 37 barns and many trees and wires down across the county near Gillett and Suring.

Event 28: March 31, 1967

The F2 tornado touched down in Marshfield around 11:49 PM CST. The tornado traveled approximately two miles and had a maximum width of 35 yards. The tornado destroyed or damaged several buildings including a mobile home plant.

Event 29: June 30, 1967

The F2 tornado struck Chilton in Calumet County around 11:49 PM CST. The tornado then traveled to 7 miles east of Chilton before dissipating around 11:59 PM CST. The maximum width of the tornado was 100 yards. The city of Chilton took the brunt of the damage. At least five buildings were destroyed beyond repair. A trailer home tumbled end over end across a lot and a good share of trees were torn up.

Event 30: July 22, 1967

The F2 tornado developed around 11 PM CST near Loyal in Clark County. The tornado then moved east southeast into Wood County. The tornado traveled nearly 21 miles before dissipating five miles east of Marshfield around 11:18 PM CST. The maximum width of the tornado was 100 yards. The tornado destroyed three barns and killed sixteen cattle near Loyal in Clark County. Several buildings and mobile homes were destroyed at Marshfield in Wood County.

Event 31: June 30, 1968

The F2 tornado touched down 3 miles northwest of Cavour in Forest County around 4 AM CST. The tornado traveled east northeast approximately one mile and had a maximum width of 200 yards. Several buildings were damaged on the Aschenbrenner Farm near Cavour.

Event 32: August 16, 1968

The F2 tornado touched down near Kaukauna in Outagamie County and traveled 2 miles before dissipating around 12:30 PM CST. The maximum width of the tornado was 100 yards. The Mueleman farm near Kaukauna experienced severe damage. A barn was destroyed along with many trees. His home also suffered damage as the roof was torn off and windows were knocked out.

Event 33: August 16, 1968

The F2 tornado first formed about 5 miles southeast of Hofa Park in extreme western Brown County on the Brown - Shawano County line. The tornado moved east about a mile and dissipated four miles south of Pulaski around 9:20 PM CST. The tornado reached a maximum width of 100 yards. A 40-year-old dance hall on Highway 29 at the Shawano - Brown County line was destroyed. The building exploded and debris was scattered over nearby fields. The 73-year-old owner was hospitalized.

Event 34: August 19, 1968

The F2 tornado formed about 4 miles east of Fenwood in Marathon County near County Trunk P just west of Highway 97 around 5:30 PM CST. The tornado traveled just over fourteen miles to the east before dissipating about eleven miles east of Fenwood. The maximum width of the tornado was 75 yards. Twenty-five barns mostly on the north side of County Trunk P were flattened. Damage was estimated at more than one million dollars.

TORNADO REFERENCE GUIDE – F/EF2 TORNADOES

Event 35: June 26, 1969

The F2 tornado formed near Lac Du Flambeau on the Vilas / Oneida County line around 5 PM CST and skipped northeast for nearly 29 miles. The tornado dissipated along the Michigan border 9 miles northwest of Land O' Lakes. Maximum width of the tornado was 35 yards. Resort areas from Fence Lake northeastward across Big Crooked and High Lakes suffered damage.

Event 36: April 22, 1970

Several tornadoes were reported across north-central and northeast Wisconsin on this date. The F2 tornado touched down around 8:40 PM CST in Ashwaubenon and moved northeast about four miles to the north side of Green Bay. Maximum width of the tornado was 800 yards. Much of the damage was concentrated in the Lambeau Field area. Among the most seriously damaged businesses were the Midway Motor Lodge motel and the nearby Forum Supper Club as well as property at Nanco Corporation. There were reports of damage to tunnels connecting the Brown County Arena to an annex. Several cars in the area parking lot were damaged by flying debris. Roofs of several of houses were damaged and garages and barns were reported destroyed. Meanwhile, snow was occurring across northwest Wisconsin. Superior reported six inches of snow on the ground during the evening of the 22nd.

Event 37: April 22, 1970

Several tornadoes were reported across north-central and northeast Wisconsin on this date. The F2 tornado touched down around 9 PM CST in De Pere and traveled northeast for 7 miles through Allouez and then into the southeast side of Green Bay. The maximum width of the tornado was 800 yards. A church steeple was toppled in De Pere. Damage was reported at a lumber yard and canning company at Baird and Main Streets in Green Bay. Meanwhile, snow was occurring across northwest Wisconsin. Superior reported six inches of snow on the ground during the evening of the 22nd.

Event 38: April 22, 1970

Several tornadoes were reported across north-central and northeast Wisconsin on this date. The F2 tornado touched down around 9 PM CST one mile north of Casco in Kewaunee County. The tornado moved northeast for 11 miles before dissipating near Rio Creek in southern Door County around 9:10 PM CST. The tornado reached a maximum width of 500 yards. Fifteen barns near Casco and Rio Creek were destroyed. Two persons were injured when their house trailer was upended south of Forestville. Meanwhile, snow was occurring across northwest Wisconsin. Superior reported six inches of snow on the ground during the evening of the 22nd.

Event 39: April 22, 1970

Several tornadoes were reported across north central and northeast Wisconsin on this date. The F2 tornado touched down around 9:20 PM CST seven miles southeast of Maplewood in Door County. This may be the same tornado that tore through eastern Kewaunee County from Algoma to 6 miles northeast of Algoma. The tornado traveled about four miles and reached 500 yards in width in Door County before dissipating.

Event 40: April 22, 1970

Several tornadoes were reported across north-central and northeast Wisconsin on this date. The F2 tornado touched down around 9:20 PM CST from Algoma to 6 miles northeast of Algoma in Kewaunee County. The tornado traveled about five miles and reached a maximum width of 500 yards. Extensive damage was reported near Algoma northeast along the Lake Michigan shoreline. Among the buildings destroyed were a warehouse and a church steeple. Meanwhile, snow was occurring across northwest Wisconsin. Superior reported six inches of snow on the ground during the evening of the 22nd.

Event 41: July 7, 1970

The F2 tornado touched down in Bancroft in Portage County around 3 PM CST. The tornado moved east southeast for two miles and reached a maximum width of a hundred yards before dissipating. Damage was confined to a machine shed and tore the roof off a new school.

TORNADO REFERENCE GUIDE – F/EF2 TORNADOES

Event 42: December 1, 1970

Four rare December tornadoes were reported on this date across north-central and northeast Wisconsin. The F2 tornado touched down in Wood County 12 miles southeast of Marshfield or two miles southeast of Arpin on the Fred Cahler farm around 9 AM CST. The tornado traveled 2 miles while reaching a maximum width of 200 yards before dissipating. Several farm buildings were destroyed or damaged on the Fred Cahler farm. The tornadoes on this day are on the only December tornadoes recorded in the NWS Green Bay Service area.

Event 43: December 1, 1970

Four rare and only December tornadoes were reported on this date across north central and northeast Wisconsin. The F2 tornado touched down with severe damage around 9:45 AM CST on the Heschke farm 4 miles northwest of Iola in Waupaca County. The tornado moved east for 31.9 miles across Waupaca County into Shawano County before dissipating in Pella around 10:30 AM CST. The maximum width of the tornado was 200 yards. Additional damage occurred in the Marion and Pella areas. A lady and her three small children escaped injury when their mobile home was lifted by the tornado and exploded with debris scattered over the field.

Event 44: September 28, 1971

The F2 tornado was first sighted across portions of Clark and Taylor Counties. The tornado moved into Lincoln County 19 miles west southwest of Merrill around 2:15 PM CST. The tornado traveled 19 miles and reached a maximum width of 300 yards before dissipating near Merrill. Several farms were damaged or destroyed by the tornado across Clark, Taylor, and Lincoln counties. The storm summary does not indicate where the heaviest damage occurred.

Event 45: September 16, 1972

The F2 tornado formed 4 miles northwest of Wabeno in Forest County around 4:05 PM CST. The tornado tracked south of Athelstane, north of Wausaukee and into upper Michigan. The track reentered Wisconsin about 2 miles north of McAllister and cross over the Wisconsin Public Service Corporation Grand Rapids Power Dam. The tornado reentered upper Michigan 3 miles southwest of Ingalls around 5:15 PM CST moving across Highway 41 about two miles north of Wallace. The final path length of the tornado was 53 miles with the tornado reaching a maximum width of 200 yards. Several barns were flattened in the Wabeno area, otherwise damage was mainly to woods and overhead wires.

Event 46: April 12, 1974

The F2 tornado briefly touched down 5 miles west of Athens in Marathon County around 2:05 PM CST. The tornado traveled 2 miles and reached a maximum width of 150 yards before dissipating. One barn was destroyed and wires down. Two horses in the field were rolled over by the tornado.

Event 47: April 12, 1974

The F2 tornado touched down in Wittenberg in Shawano County around 2:15 PM CST. The tornado traveled nearly 11 miles and reached a maximum width of 150 yards before dissipating near Bowler. Several farms between Wittenberg and Bowler were destroyed. The Wendler farm in the town of Morris and the Watters and Hintz farms in the town of Seneca sustained severe damage. One injury was reported when Mr. Hintz was injured when he was struck by a flying board.

Event 48: April 21, 1974

The F2 tornado touched down 4 miles north northwest of Crivitz in Marinette County around 3:25 PM CST. The tornado was 200 yards wide and traveled four miles before dissipating.

Event 49: June 12, 1976

The F2 tornado touched down a mile west of Alban in Portage County around 8:30 PM CST. The tornado only traveled about a quarter of a mile and reached a maximum width of fifty yards. The tornado leveled a mobile home a mile west of Alban.

TORNADO REFERENCE GUIDE – F/EF2 TORNADOES

Event 50: June 13, 1976

The F2 tornado was observed by the police chief of Plover in Portage County around 7 PM CST. The tornado touched down at the intersection of Highway 54 and County B. The tornado was only on the ground for about a quarter of a mile and had a maximum width of about fifty yards.

Event 51: June 7, 1978

The F2 tornado touched down briefly 2 miles northwest of Francis Creek in Manitowoc County around 3:15 PM CST. The path length and maximum width of the tornado were not documented.

Event 52: June 16, 1979

The F2 tornado developed near Oconto Falls in Oconto County around 9:30 AM CST. The tornado traveled just over 15 miles and reached a maximum width of 100 yards before dissipating 2 miles northeast of Lena. At least 17 frame and mobile homes along with numerous barns were damaged or destroyed. Heavy rains and large hail accompanied the tornado destroying crops along the thunderstorm path.

Event 53: August 9, 1979

The F2 tornado touched down near Rockland Beach in Calumet County around 6:20 PM CST. The strong tornado only traveled about a mile and was fifty yards wide. One death was attributed to the tornado. A Rockland Beach woman died after the winds demolished the family home. She was crushed as the family's first floor fireplace fell into the basement. The husband and three children were not hurt as the first floor fell into the basement.

Event 54: June 7, 1980

The brief F2 tornado touched down in Valders in Manitowoc County around 12:20 AM CST. The tornado was less than 50 yards wide and was on the ground for less than a quarter of a mile. The brief touchdown resulted in the destruction of a large modern barn and heavy farm equipment. Field crops were beaten down in the vicinity of the storm.

Event 55: April 4, 1981

The brief F2 tornado touched down around 12:35 AM CST 4 miles west of Kiel in Calumet County. The tornado was only 25 yards wide and traveled about a quarter of a mile. Six trailers in a line in the Country Aire Trailer Court were destroyed. One trailer was lifted into the air and deposited upside down.

Event 56: June 13, 1981

There is very little information available on this F2 tornado that struck Three Lakes in Oneida County around 9 PM. Path length and width were not available.

Event 57: May 6, 1982

The F2 tornado cut a 9 mile-path from 2 miles south of Stephenville to one mile south of Black Creek in Outagamie County around 2:30 PM CST. The tornado reached a maximum width of 100 yards. Many small rural structures were destroyed. Some damage occurred to 12 large farm buildings and equipment inside. Two additional large barns were destroyed. Most of the damage occurred in Ellington Township.

TORNADO REFERENCE GUIDE – F/EF2 TORNADES

Event 58: July 3, 1983

The F2 tornado was first spotted near a home 6 miles west of Unity in Clark County around 5:35 PM CST. The tornado skipped across Clark County, skirting just north of Unity and crossed Highway 13 into Marathon County. In Marathon County, the tornado struck a farm just east of Highway 13, flipping a truck and camper as well as ripping a shed off its foundation. The tornado then struck a farm one mile east of Colby and just south of Highway N destroying many trees. The next farm to the east was struck and two hay wagons were flipped over, and a chimney was knocked off. The tornado hit a farm three miles east of Colby and one mile south of Highway N. A large barn was pushed off its foundation. The tornado moved across Highway F just south of Cherokee, and into an 18 acre-wooded lot destroying fifty large trees. Finally, a farm just east of Cherokee and south of Highway N took off the top of a silo. There were no further reports to the east. The tornado traveled approximately 6 miles and had a maximum width of fifty-five yards.

Event 59: April 27, 1984

There were ten tornadoes on this date across the entire state. The F2 tornado touched 4 miles northwest of Antigo in Langlade County around 2:50 PM CST. The tornado was 20 yards wide and traveled 7.5 miles across Langlade County. One home and three barns were demolished, and twenty-five head of dairy cows were crushed to death in one barn.

Event 60: April 27, 1984

There were ten tornadoes on this date across the entire state. The F2 tornado touched down a half mile south of Plover in Portage County around 2:15 PM CST. The tornado was 220 yards wide and traveled five and a half miles before dissipating. At least nine homes and numerous sheds and barns were destroyed. A bun feeder wagon was thrown 150 yards which snapped a 65-foot cement silo. Ping pong size hail accompanied the storm.

Event 61: September 24, 1984

The F2 tornado touched down thirteen and a half miles west southwest of Wausau in Marathon County around 4:50 PM CST, or one mile south of Highway P and one mile west of Highway 107. The tornado was 150 yards wide and traveled 12 miles before lifting on the east side of the Wisconsin River near Wausau. The tornado caused \$2.2 million dollars in damage in the townships of Emmett, Mosinee, Marathon, and Rib Mountain. Three homes were destroyed, eight sustained major damage and several barns and sheds were leveled. Numerous trees were reported down. The storm was accompanied by baseball size hail one mile northeast of Rothschild.

Event 62: June 8, 1985

The F2 tornado touched down around 8 PM CST near Sand Bay in Door County, causing some building damage. The tornado skipped east 5 miles across portions of Sturgeon Bay. The tornado was 150 yards wide. Garages, sheds and ten barns were leveled or blown away. Yachts were blown off cradles and hundreds of trees were downed. Property damage was estimated at \$1.8 million dollars. Hail up to five inches in diameter covered the ground to a depth of six inches just northeast of Sturgeon Bay. The storm caused an estimated \$1.5 million dollars in crop damage.

Event 63: August 12, 1985

A large F2 tornado touched down around 6:13 PM CST six miles south of Marshfield in Wood County along highway B. The tornado traveled northeast across Highway EE and then slammed Auburndale. The tornado was on the ground for ten miles before the tornado dissipated in Auburndale around 6:30 PM CST. At its peak, the tornado was a massive 880 yards wide. Damage was estimated at \$5.5 million dollars. Fifty-eight dwellings and forty farms suffered damage. The Apache Gardens subdivision and the Wishkershen Trailer Park in Auburndale received substantial damage.

TORNADO REFERENCE GUIDE – F/EF2 TORNADOES

Event 64: July 4, 1986

The F2 tornado touched down on the south shore of Windpudding Lake or 5 miles southeast of Hazelhurst in Oneida County around 7:35 PM CST. The tornado heavily damaged seven cottages and leveled numerous trees. A shed was blown thirty feet through the air. A dog inside the shed survived. The tornado traveled a mile and a half and reached a maximum width of 100 yards before it dissipated around 7:40 PM CST.

Event 65: May 8, 1988

The F2 tornado developed four and a half miles southwest of Hadler in Marathon County around 510 PM CST. The tornado traveled 13 miles and reached a maximum width of 250 yards before dissipating in Rib Falls. Two people were injured in the town of Emmet when their mobile home trailer was rolled upside down. In all, three mobile homes, six large barns, three machine sheds and silos were destroyed with numerous buildings damaged. Thirty-nine acres of ginseng racks on sixteen farms were knocked off their posts causing \$450,000 in damage. The total cost of the tornado in Marathon County was over one million dollars in damage.

Event 66: June 27, 1991

The F2 tornado touched down 12 miles west-southwest of Minocqua in Oneida County around 6:20 PM CST. The tornado cut a 6 mile-swath from near Pine Lake to Franklin Lake to Marion Lake before dissipating around 6:30 PM CST. The tornado was 400 yards wide. Thirteen homes and one car were damaged along its path with damage estimated at \$350,000 dollars. In addition, 1,600 acres of industrial forest valued at \$240,000 were also damaged.

Event 67: May 16, 1992

The F2 tornado touched down 4 miles west of Keene in Portage County around 6:10 PM CST. The tornado was 400 yards wide and traveled eleven miles to 5 miles southeast of Amherst before dissipating around 6:30 PM CST. The tornado tossed a mobile home in the middle of a road in Plover Township and damaged fourteen homes, two farms, and a large amount of irrigation equipment.

Event 68: May 30, 1994

The F2 tornado touched down 2 miles southwest of Crandon in Forest County around 850 PM CST. The tornado traveled 12 miles and reached a maximum width of 800 yards before dissipating one mile north of Laona around 9:16 PM CST. Three mobile homes and 25 homes were destroyed while 600 acres of timber was leveled. Three people were injured in a mobile that was destroyed by the tornado. The thunderstorms also produced tennis ball size hail as the storms passed through Rhinelander.

Event 69: July 5, 1994

The F2 tornado touched down 2 miles southwest of Cooperstown in Manitowoc County around 3:53 PM CST. The tornado traveled about a mile and reached a maximum width of 150 yards. A shed was leveled, and a grain box was tossed about 300 yards. This was one of two tornadoes to hit Manitowoc County on this date. A stronger EF4 tornado touched down two and a half miles northwest of Maribel and traveled to a half mile west of Cooperstown between 3:43 PM and 3:55 PM CST.

Event 70: August 7, 1996

The F2 tornado touched down six and a half miles north of Stratford in Marathon County around 1:45 AM CST, tearing the top portion of a home off, flattened a garage, and snapped off several large trees. The tornado continued east northeast for two and a half miles and reached a maximum width of 200 yards before dissipating two and a half miles north northwest of Fenwood around 1:49 AM CST. As the storm moved east, there was damage to a storage shed and thirty trees on a farm. A dozen of Ginseng shelters were thrown about. The tornado was not on the ground for the entire path.

TORNADO REFERENCE GUIDE – F/EF2 TORNADOES

Event 71: July 16, 1997

The F2 tornado touched down in southeast Lincoln County eleven and a half miles southeast of Merrill around 2:38 PM CST. The storm traveled under a mile to the southeast into Marathon County before dissipating 12 miles southeast of Merrill around 2:40 PM CST. The tornado reached a maximum width of 100 yards. As the storms rolled through Lincoln County, softball size hail was reported northeast of Merrill.

Event 72: July 16, 1997

The F2 tornado touched down eight and a half miles northeast of Nutterville in Marathon County around 2:40 PM CST. The storm traveled just over three miles and reached a maximum width of 100 yards before dissipating 6.9 miles northeast of Nutterville around 2:45 PM CST. The tornado damaged several homes, vehicles, and silos, and destroyed numerous barns, sheds, and crops. Twenty head of dairy cattle were killed or had to be destroyed. There were two other tornadoes with this tornadic supercell. Total damage to crops and property from the five tornadoes, hail and straight-line winds in Marathon County alone topped \$10 million.

Event 73: September 30, 2002

The F2 tornado developed 8 miles west of Tomahawk in Lincoln County around 6:30 PM CST. The tornado traveled approximately 3 miles to the northeast and reached a maximum width of 250 yards before dissipating four and a half miles northwest of Tomahawk around 6:35 PM CST. The tornado did significant damage, uprooting or snapping off thousands of trees along its path. A house in the path of the tornado suffered major structural damage, a camping trailer was thrown 300 feet, and a car was thrown into a tree coming to rest at least fifteen feet above the ground. Two barns were also destroyed.

Event 74: June 23, 2004

The F2 tornado originally touched down in southeast Portage County. The tornado then strengthened as it moved into southwest Waupaca County 9 miles west of Waupaca around 6:56 PM CST. The tornado was 125 yards wide and traveled 11 miles before dissipating 2 miles southwest of Lind Center at 7:06 PM CST. The tornado scoured asphalt off a road, destroyed a barn, sheared off the top 50 feet of a silo crushing 3 calves, damaged a sheet metal outbuilding, and killed 3 sheep. The tornado tore the roof from a house and destroyed the garage, overturned a semi-trailer, and moved it 50 feet. Many trees were snapped off or uprooted. Some of the debris from this tornado landed several miles to the east in the Fremont area of Waupaca County.

Event 75: June 7, 2007

There were five tornadoes on this date across north central and northeast Wisconsin. The EF2 tornado developed 1.4 miles west Peplin in Marathon County around 3:01 PM CST. The tornado traveled just over 7 miles and reached a maximum width of 225 yards before it dissipated nearly a mile north of Pike Lane around 3:14 PM CST. At least 8 homes, 10 barns, and numerous trees were damaged.

Event 76: April 10, 2011

The EF2 tornado developed 3.5 miles southeast of Argonne and moved northeast across Forest County. The tornado uprooted and snapped hundreds of trees, some of which fell on vacation cabins along the path of the tornado. The hardest hit area was several miles east Argonne shortly after the tornado developed. A large part of the roof of a house was removed. The tornado continued northeast in Florence County 6:46 PM CST. The average width of the tornado was 250 yards in Forest County. In Florence County, several large tree branches were broken before the tornado dissipated. The average path width of the tornado in Florence County was 75 yards.

Event 77: April 10, 2011

The EF2 tornado touched down in the southwest side of Kaukauna near County Road CE at 7:43 PM CST. The tornado cut through the center of a subdivision as it moved north-northeast to near the Fox River before lifting off the ground. Seven homes were destroyed, 24 homes and four businesses sustained major damage and 160 other homes sustained minor damage. Several houses lost large sections of their roofs in the hardest hit area of the city. The average path width was 125 yards.

TORNADO REFERENCE GUIDE – F/EF1 TORNADES

Event #	Date			Time (CST)	Direction / Location	TOR in GRB Service Area
	Month	Day	Year			County or Counties
1	6	20	1953	18:00	Three Lakes	Oneida
2	5	3	1955	18:00	Irma	Lincoln
3	5	28	1955	15:05	3 W Clintonville	Waupaca
4	4	19	1957	16:00	Coddington - Bancroft	Portage
5	6	14	1957	17:30	Florence	Florence
6	7	11	1957	13:45	4 SW Denmark	Brown
7	7	11	1957	14:00	Whitelaw	Manitowoc
8	8	30	1958	15:26	6 SE Wausaukee	Marinette
9	5	4	1959	10:30	Wausau	Marathon
10	5	4	1959	11:45	Deerbrook	Langlade
11	5	28	1959	15:15	6 N to 9 NE Oshkosh	Winnebago
12	5	28	1959	15:38	1 SW Greenleaf	Brown
13	6	10	1959	13:20	De Pere	Brown
14	4	24	1960	16:00	7 SW Valdars	Manitowoc
15	5	21	1960	17:30	15 W Oshkosh	Winnebago
16	9	3	1961	01:00	Athens	Marathon
17	9	3	1961	17:00	12 W Merrill	Lincoln
18	6	23	1962	16:30-16:35	2 W Champion	Brown
19	9	19	1963	18:00	Laona	Forest
20	5	4	1964	18:00-18:10	10 SW St. Germain to near St. Germain	Oneida, Vilas
21	6	9	1964	14:55	Belle Plaine	Shawano
22	7	10	1966	22:00	Plainfield - Wautoma	Waushara
23	7	1	1967	00:45	3 E Kiel	Manitowoc
24	7	2	1967	14:00	Brillion	Calumet
25	6	30	1968	04:45	3 S Pembine	Marinette
26	8	5	1968	14:00	3 NW Seymour	Outagamie
27	6	26	1969	16:30	2 W Manitowish Waters - 3 SW Presque Is.	Vilas
28	6	26	1969	17:00	Skanawank - Pelican Lake	Lincoln
29	7	2	1969	16:20	3 SW Luxemburg - Ellisville	Kewaunee
30	4	22	1970	21:10	2 NE Poland - 4 SE Luxemburg	Brown, Kewaunee
31	7	7	1970	19:00	Winchester - Boulder Junction - Conover	Vilas
32	7	14	1970	12:30	Marion	Waupaca
33	7	14	1970	14:00	McAllister	Marinette
34	7	30	1970	12:05	4 W Suamico	Brown
35	12	1	1970	07:00	Hull	Portage
36	5	18	1971	16:40-17:04	Adams -Friendship - Hancock	Waushara
37	6	6	1971	23:15	5 SW Oshkosh	Winnebago
38	6	13	1971	16:30	8 NW Oshkosh	Winnebago
39	6	18	1971	13:45	5 W Marinette	Marinette
40	7	8	1970	02:00	Wisconsin Rapids	Wood
41	8	21	1972	15:10	Goodwin - Two Rivers	Manitowoc

TORNADO REFERENCE GUIDE – F/EF1 TORNAOES

Event	Date			Time		TOR in GRB Service Area
#	Month	Day	Year	(CST)	Direction / Location	County or Counties
42	3	11	1973	10:30	2 E Calumetville	Calumet
43	5	9	1973	15:50	2 N Reedsville	Manitowoc
44	6	3	1973	18:15	2 NE Amberg	Marinette
45	6	18	1973	11:00	2 W Athens	Marathon
46	7	12	1973	03:00	Boulder Junction - Sayner	Vilas
47	7	12	1973	07:30	Jacksonport	Door
48	7	12	1973	08:00	4 W Freedom	Outagamie
49	6	9	1974	14:45	Bancroft	Portage
50	6	14	1974	16:10	5 NW Gillett	Oconto
51	6	12	1976	21:00	Amherst	Portage
52	6	13	1976	18:40-19:20	4 W Wisconsin Rapids - 3 NE Stevens Point	Portage
53	6	13	1976	20:00-21:00	2 W Hogarty - Elton	Langlade, Marathon
54	6	13	1976	20:00	5 E Seymour	Outagamie
55	6	13	1976	20:15	Oconto Falls	Oconto
56	6	13	1976	20:45	9 E Merrill - 11 NW Antigo	Langlade, Lincoln
57	7	30	1977	22:45	0.5 N Forest Junction - 3 W Denmark	Brown
58	5	8	1978	16:50-17:00	1.5 SW - 2.5 SE Luxemburg	Kewaunee
59	6	16	1979	15:30-15:45	2 N - 2 NE Irma	Lincoln
60	6	20	1979	13:45	3 S Oshkosh	Winnebago
61	6	20	1979	14:30	Goodman	Marinette
62	8	4	1979	10:00	Manitowoc	Manitowoc
63	8	9	1979	18:56	Green Bay - northeast	Brown
64	5	30	1980	14:30	4 S Shawano	Shawano
65	5	30	1980	15:20	Oconto	Oconto
66	5	30	1980	16:05-16:14	Black Creek	Outagamie
67	6	14	1980	12:30	5 NW Manawa - Manawa	Waupaca
68	6	14	1980	13:25	1 E Rhinelander - Lake Thompson	Oneida
69	7	5	1980	00:30	Valders	Manitowoc
70	9	20	1980	23:15	Mattoon	Shawano
71	6	13	1981	20:40	1 N Hazelhurst	Oneida
72	6	13	1981	20:45	Sayner - 3 NE Sayner	Vilas
73	3	30	1982	14:05-14:40	Armenia - 3 SW Stevens Point	Portage, Wood
74	7	15	1982	19:15	Mayflower Lake	Marathon
75	7	3	1983	04:39	Eagle River	Vilas
76	7	3	1983	19:00	Birnamwood	Shawano
77	7	19	1983	19:25	Stockbridge Harbor	Calumet
78	6	26	1984	16:55	13 N Wausau - Texas	Marathon
79	6	26	1984	19:00	Caroline	Shawano
80	7	24	1986	14:15	Saint Germain	Vilas
81	7	2	1987	17:10-17:15	Pike Lake	Marathon
82	7	12	1987	11:27-11:30	1 S Francis Creek	Manitowoc

TORNADO REFERENCE GUIDE – F/EF1 TORNADES

Event #	Date			Time (CST)	Direction / Location	TOR in GRB Service Area
	Month	Day	Year			County or Counties
83	8	14	1987	17:40-17:43	1 W Menasha	Winnebago
84	5	8	1988	17:06-17:12	2 SE Wautoma - 1 S Mount Morris	Waushara
85	7	29	1988	20:30	Eagle River	Vilas
86	8	1	1988	18:52	1 W Saint Germain	Vilas
87	8	4	1988	14:35-14:45	1 E Reedsville - 2 N Cato	Manitowoc
88	5	24	1989	20:10-20:15	3 S Oshkosh	Winnebago
89	5	24	1989	21:05	4 WNW Chilton	Calumet
90	6	12	1990	18:35	2 W Stratford	Marathon
91	6	14	1991	11:55	8 WNW Merrill	Lincoln
92	4	20	1992	16:00-16:20	2 SW Arpin - Bakerville	Wood
93	5	16	1992	14:30	5 N Junction City	Portage
94	5	16	1992	18:30	2.5 NE Northland	Waupaca
95	5	16	1992	19:20-19:30	Kaukauna - 2 SW Wrightstown	Outagamie, Brown
96	7	19	1992	15:54	2 WSW Stratford	Marathon
97	10	8	1992	16:48	5 NE Wild Rose	Waushara
98	10	8	1992	17:12	4 NE Blaine	Portage
99	4	26	1994	14:55-15:05	1.5 N Conover - 3 SE Land O'Lakes	Vilas
100	7	8	1994	14:00	3 NW Elderon	Marathon
101	7	8	1994	14:16	3 SE Aniwa	Shawano
102	8	27	1994	21:07	Hancock	Waushara
103	8	27	1994	21:41-21:50	1.5 S Wausaukee - 3 SE Wausaukee	Marinette
104	7	14	1995	16:40-16:47	Phelps	Vilas
105	7	18	1996	16:20-16:30	1.5 SW - 3 SSE Tomahawk	Lincoln
106	7	18	1996	18:05-18:07	1.1 S - 1.6 SE Jericho	Calumet
107	8	7	1996	01:46-01:47	1 N - 1.2 NE Stratford	Marathon
108	8	7	1996	02:19-02:21	0.44 SW Shantytown - Shantytown	Marathon
109	7	16	1997	15:09-15:11	2 NE - 1.8 NE Ringle	Marathon
110	5	31	1998	01:20-01:24	0.5 N Stockbridge - 2 NE Stockbridge	Calumet
111	5	1	2001	20:55-21:00	0.4 NNE - NE Minocqua	Oneida
112	4	18	2002	18:13-18:27	3 SE Stratford - 6 NW Mosinee	Marathon
113	9	2	2002	17:35-17:43	6 NW Wausau - 4 NE Wausau	Marathon
114	9	30	2002	18:10-18:11	5.5 SSE - 5.5 SE Spread Eagle	Florence
115	8	3	2003	13:59-14:03	0.3 W - 0.2 ENE Potter	Calumet
116	6	23	2004	18:46-18:48	3 NNW Almond - 3 NNE Almond	Portage
117	6	23	2004	18:53-18:56	3 SE Blaine - 5 ESE Blaine	Portage
118	6	23	2004	20:00-20:08	Little Chute - Kaukauna	Outagamie
119	7	13	2004	14:40-14:52	1.4 NW Clark Mills - 2.8 SE Clark Mills	Manitowoc
120	8	18	2005	19:45	6 ENE - 6.8 ENE Wrightstown	Brown
121	8	18	2005	20:35	6.5 SSW - 5.7 S Manitowoc	Manitowoc
122	6	7	2007	16:37-16:40	0.5 W - 2.5 ENE Cedarville	Marinette
123	6	7	2007	17:16-17:20	3.5 W Harmony - 1.2 N Harmony	Marinette

TORNADO REFERENCE GUIDE – F/EF1 TORNAOES

Event #	Date			Time (CST)	Direction / Location	TOR in GRB Service Area
	Month	Day	Year			County or Counties
124	7	19	2008	21:44-21:45	3.8 WNW - 3.4 WNW Menasha	Winnebago
125	5	4	2010	18:10-18:12	2.7 SE Zittau to 2.7 W Winchester	Winnebago
126	8	20	2010	15:20-15:22	2 SE - 2.7 ESE Greenleaf	Brown
127	4	10	2010	17:35-17:42	2 NW Coloma - 4 ESE Hancock	Adams, Waushara
128	4	10	2011	17:50-17:58	5 S Parish	Langlade
129	4	10	2011	18:06-18:43	1 SW Saxeville - 1 SE Hortonville	Waushara, Waupaca, Outagamie
130	4	10	2011	18:53-19:04	0.3 NW Poy Sippi - 2.3 WSW Winchester	Waushara, Winnebago
131	4	10	2011	19:03-19:08	4.2 WNW - 3.2 N Armstrong Creek	Forest
132	4	10	2011	19:53-19:55	1.2 NNE Askeaton - 1.4 S Greenleaf	Brown
133	4	10	2011	19:59-20:01	1.6 NW Quinney - 1.5 SSE Stockbridge	Calumet
134	5	22	2011	17:03-17:20	5.5 SSE Cranmoor - 4.8 SE Arnott	Wood, Portage
135	8	19	2011	15:45-15:56	2.9 NW - 5.2 ESE Wausaukee	Marinette
136	8	6	2013	23:22-23:33	4 NNE Partridge - 0.8 WSW Hortonville	Waupaca, Outagamie
137	8	6	2013	23:38-23:53	0.4 SE Mackville - 2.7 W Morrison	Outagamie, Brown
138	8	6	2013	23:38-23:52	3.5 E Greenville - 2.6 NNE Brillion	Outagamie, Brown, Calumet
139	8	6	2013	23:40-00:10	2.7 ENE Mackville - 1.1 NNE Larrabee	Outagamie, Brown, Manitowoc
140	8	7	2013	00:05-00:10	0.5 SSE Henrysville - 1 NE Stangelville	Brown, Calumet, Kewaunee
141	7	6	2015	15:38-15:40	3.4 W Marion - 2.7 W Marion	Waupaca
142	7	6	2015	16:56-17:03	2.2 ENE Gillette - 2.6 SSW Kelly Brook	Oconto
143	6	26	2016	01:30-01:35	4.2 ESE Symco - 6.4 NNE Northport	Waupaca
144	8	4	2016	10:20-10:26	1.3 NNE Cherokee - 4.4 SSW Stratford	Marathon
145	4	9	2017	23:54-23:55	5 SW Taegesville - 4.9 S Taegsville	Marathon
146	6	14	2017	13:49-13:52	2.4 ENE Wild Rose - 3.2 NW Saxeville	Waushara
147	6	14	2017	14:28-14:37	2.6 SSW Appleton - 1.7 NNW Little Chute	Outagamie, Winnebago
148	6	14	2017	14:40-14:45	1.9 W Nichols - 1.2 WNW Leeman	Outagamie, Shawano
149	6	14	2017	14:45-14:51	1 SE Briarton - 0.9 ESE Landstad	Shawano
150	6	14	2017	14:51-14:59	1.7 SSE Angelica - 1.7 SW Krakow	Shawano
151	8	28	2018	15:34-15:35	2.2 NNW Kiel - 2.1 N Kiel	Manitowoc
152	7	19	2019	19:20-19:30	1.5 SSW Moon - 3.9 ENE Knowlton	Marathon
153	7	20	2019	09:55-10:03	.4 SSE Waupaca - 2.1 ESE White Lake	Waupaca
154	7	20	2019	10:18-10:22	2.6 E Hortonville - 3.3 ESE Stephenville	Outagamie
155	8	9	2020	18:44-18:58	0.3 SSW Star Lake - 4.7 W Conover	Vilas
156	8	9	2020	19:28-19:36	3.8 ESE S. Germain - 2.0 SW Eagle River	Vilas
157	8	9	2020	20:12-20:22	4.3 E Alvin - 5 S Caspian, MI	Florence, Forest
158	7	28	2021	19:39-19:44	4.8 SE Merrill - 2.8 NE Granite Heights	Lincoln, Marathon
159	8	8	2021	14:52-14:58	3.7 SSW - 1.1 W Coloma	Waushara
160	8	10	2021	16:58-17:11	1.3 SE Stinson - 2.4 SW Drephal	Outagamie
161	6	15	2022	16:34-16:46	1.2 ESE Wittenberg - 2.8 NNW Bowler	Shawano
162	6	15	2022	16:41-16:47	1.4 WNW Brushville - 1.4 NE West Bloomfield	Waushara
163	6	15	2022	16:46-16:47	4 NNE Bowler - 4.5 NNE Bowler	Shawano
164	6	15	2022	16:52-16:56	1 W Manawa - 2 SSE Symco	Waupaca

TORNADO REFERENCE GUIDE – F/EF1 TORNADOES

Event 1: June 20, 1953

The brief F1 tornado touched down in Three Lakes in Oneida County around 6 PM CST. The tornado was 100 yards wide and traveled two miles before dissipating. Trees and power lines were downed along with some damage to summer homes.

Event 2: May 3, 1955

The F1 tornado touched down in Irma, approximately 9 miles north of Merrill, in Lincoln County around 6 PM CST. The tornado traveled 7 miles and had a maximum width less than 50 yards. Lincoln County Sheriff Alfred Giese stated in the Rhinelander Daily News that a tornado ripped through several farms and wooded lot country about 9 miles north of Merrill. Giese stated that three barns were blown down and that communications between Merrill and the State Traffic Patrol Headquarters in Tomahawk was disrupted for a while. Two people were trapped in the wreckage and were freed by sheriff officers and highway crews. No homes were damaged.

Event 3: May 28, 1955

The F1 tornado touched down 3 miles west of Clintonville in Waupaca County around 3:05 PM CST. The tornado traveled 2.7 miles and reached a maximum width of 75 yards before dissipating. The tornado ripped through a farm injuring two persons and knocking down trees and utility poles. Robert Malaueg, 13, and Leroy Ashauer, 23, were hurt and taken to Clintonville Community Hospital.

Event 4: April 19, 1957

The F1 tornado touched down in Coddington, 12 miles southwest of Bancroft, in Portage County around 4 PM CST. The tornado traveled about 12 miles and reached a maximum width of less than 50 yards before dissipating in Bancroft.

Event 5: June 14, 1957

The F1 tornado touched down at Florence in Florence County around 5:30 PM CST. The tornado traveled approximately 8 miles and reached a maximum width of 100 yards before dissipating.

Event 6: July 11, 1957

The F1 tornado touched down 4 miles southwest of Denmark in Brown County around 1:45 PM CST. There was no documentation on the path width or distance traveled. A tornado also touched down in Manitowoc County fifteen minutes later.

Event 7: July 11, 1957

The F1 tornado was first reported to touch down two and a half miles southeast of White Law in Manitowoc County around 2 PM CST. The tornado struck the Bernard Vogel farm, picking up 9 trees thirty feet high and pounded them into the ground. The tornado also broke windows and gouged the side of the house. A female neighbor of Bernard Vogel, who was seeking shelter, was pinned up to the wall of a silo as she was running towards the house.

Event 8: August 30, 1958

The F1 tornado was reported 6 miles southeast of Wausaukee in Marinette County around 3:26 PM CST. The tornado was 100 yards wide and traveled a mile before dissipating.

Event 9: May 4, 1959

The F1 tornado was reported to touch down near Wausau in Marathon County around 10:30 AM CST. The tornado was 200 yards wide and traveled a mile before dissipating near Wausau.

TORNADO REFERENCE GUIDE – F/EF1 TORNADOES

Event 10: May 4, 1959

The F1 tornado struck Deerbrook in Langlade County around 11:45 AM CST. The tornado was 100 yards wide and was on the ground for a mile.

Event 11: May 28, 1959

The F1 tornado struck 6 miles north of Oshkosh in Winnebago County around 3:15 PM CST. The tornado traveled nine miles before dissipating 9 miles northeast of Oshkosh.

Event 12: May 28, 1959

The F1 tornado was spotted one mile southwest of Greenleaf in Brown County around 3:38 PM CST.

Event 13: June 10, 1959

The F1 tornado touched down near De Pere in Brown County around 1:20 PM CST. The tornado traveled about a mile and was less than twenty yards wide.

Event 14: April 24, 1960

The F1 tornado touched down 7 miles southwest of Valders in Manitowoc County around 4 PM CST. The tornado was less than 50 yards wide and traveled about a mile before dissipating.

Event 15: May 21, 1960

The F1 tornado touched down fifteen miles west of Oshkosh in Winnebago County around 5:30 PM CST.

Event 16: September 3, 1961

The F1 tornado touched down near Athens in Marathon County around 1 AM CST. The tornado was 35 yards wide and was on the ground for 2 miles.

Event 17: September 3, 1961

The F1 tornado touched down 12 miles west of Merrill in Lincoln County around 5 PM CST. The tornado was 50 yards wide and was on the ground for a mile.

Event 18: June 23, 1962

The F1 tornado touched down 2 miles west of Champion in eastern Brown County around 4:30 PM CST. According to the local storm report for June of 1962, the tornado became or originated as a waterspout near Point Sauble as the storm was picking up water at times. The tornado/waterspout had a maximum width of less than 50 yards and traveled 3 miles before dissipating at 4:35 PM CST.

Event 19: September 19, 1963

The F1 tornado tore through the village of Laona in Forest County around 6 PM CST. The tornado was less than 50 yards wide and traveled one mile before dissipating.

Event 20: May 4, 1964

The F1 tornado was first reported 10 miles southwest of St. Germain in Oneida County around 6 PM CST. The tornado traveled just over 7 miles before dissipating near St. Germain at 6:10 PM CST in Vilas County. The tornado had a maximum width of 125 yards. The local storm report indicated the tornado touched down twice and crossed over the Big St. Germain drawing water to a height of 200 feet. There was considerable damage to resorts and woods in the path of the tornado.

Event 21: June 9, 1964

The F1 tornado was sighted in Belle Plaine in Shawano County around 2:55 PM CST. The Adams Beach area was hit the hardest according to newspaper reports.

TORNADO REFERENCE GUIDE – F/EF1 TORNADOES

Event 22: July 10, 1966

The F1 tornado was first reported to touch down in Plainfield in Waushara County around 10 PM CST. The tornado was 100 yards wide and traveled approximately fifteen and a half miles before dissipating at Wautoma.

Event 23: July 1, 1967

The F1 tornado struck 3 miles east of Kiel in Manitowoc County around 12:45 AM CST. The tornado was 50 yards wide and traveled a half mile before dissipating.

Event 24: July 2, 1967

The city of Brillion in Calumet County was struck by the F1 tornado around 2 PM CST. The local storm report indicated a touchdown in the city of Brillion. The tornado was 35 yards wide and traveled a mile before dissipating.

Event 25: June 30, 1968

The F1 tornado touched down on the Zern property 3 miles south of Pembine in Marinette County around 4:45 AM CST. The tornado was 100 yards wide and traveled on the ground for a half mile. Trees and a garage were destroyed by the tornado.

Event 26: August 5, 1968

The F1 tornado touched down 3 miles northwest of Seymour in Outagamie County around 2 PM CST. The tornado was 150 yards wide and was on the ground for two miles before dissipating. Nine barns and farm buildings were destroyed.

Event 27: June 26, 1969

According to the local storm report, the F1 tornado skipped northeast through the forests of Price, southeast Iron, and western Vilas Counties. The tornado struck Vilas County from 2 miles west of Manitowish Waters around 4:30 PM CST and moved to three miles southwest of Presque Isle. Most of the damage occurred around Manitowish Waters.

Event 28: June 26, 1969

The F1 tornado traveled 22 miles across Clark, Taylor, and Lincoln Counties. The tornado did major damage from the Withee area in northern Clark County around 4:10 PM CST. Two persons were injured and about ten farms sustained damage. Major damage from the tornado was reported at the Taylor County Airport near Medford around 4:30 PM CST. Seven planes and one hangar suffered severe damage. The tornado entered western Lincoln County and traveled to near Pelican Lake around 5 PM CST before dissipating. Five more farms suffered serious damage in northeast Lincoln County. Tree and wire damage termed “worst ever” by utilities in the northern resort areas.

Event 29: July 2, 1969

The F1 tornado traveled just over 7 miles across Kewaunee County, from 3 miles southwest of Luxemburg through the Ellisville area around 4:20 PM CST. The tornado had a maximum width of 100 yards. Several farms were damaged by the tornado.

Event 30: April 22, 1970

The F1 tornado developed 2 miles northeast of Poland in extreme eastern Brown County around 9:10 PM CST. The tornado was 500 yards wide and traveled just over 7 miles to near Luxemburg before dissipating. Several farms were damaged and leveled the Kewaunee County Fair Grandstand at Luxemburg.

Event 31: July 7, 1970

The F1 tornado developed across Iron County in northwest Wisconsin. The tornado traveled east southeastward for nearly 38 miles across Vilas County around 7 PM CST. The tornado traveled from Winchester to Boulder Junction to Conover. Extensive damage to woods and lake property were noted in the path of the tornado.

TORNADO REFERENCE GUIDE – F/EF1 TORNADOES

Event 32: July 14, 1970

The F1 tornado briefly touched down in Marion in Waupaca County around 12:30 PM CST. The tornado was less than 50 yards wide and traveled approximately a half mile. The tornado ripped a door off a factory, flipping over a car and damaging trucks and signs in Marion.

Event 33: July 14, 1970

The F1 tornado was reported in Mc Allister in Marinette County around 2 PM CST. The tornado was less than 50 yards wide and traveled a mile. The tornado damaged a home and uprooted several trees.

Event 34: July 30, 1970

The brief F1 tornado touchdown occurred 4 miles west of Suamico in Brown County. The tornado was 33 yards wide and traveled a mile before dissipating. According to the local storm report, the tornado struck in open country.

Event 35: December 1, 1970

The rare tornado event occurred across north central and northeast Wisconsin on this date. In all, there were four tornadoes on this date, including an F3. What made this event even more unusual was the time of day with all four tornadoes reported between 7 AM and 10:45 AM in the morning. The F1 tornado touched down on the Richard Rutta farm in the town of Hall north of Stevens Point in Portage County. The tornado was 200 yards wide and traveled nearly 3 miles before dissipating.

Event 36: May 18, 1971

The F1 tornado was first sighted northeast of Adams and Friendship in Adams County around 4:40 PM CST. The tornado traveled 15 miles as it moved across Highway 21 and then to Hancock in western Waushara County before dissipating around 5:04 PM CST. The tornado reached a maximum width of 100 yards. After crossing Highway 21, the tornado destroyed two house trailers injuring five people and smashed a barn. In Hancock, a large metal warehouse was severely damaged with sheet metal scattered a half mile downwind.

Event 37: June 6, 1971

The F1 tornado was reported 5 miles southwest of Oshkosh in Winnebago County around 11:15 PM CST. The tornado was 50 yards wide and traveled nearly 4 miles before it dissipated. The tornado demolished one barn and damaged several others on highway 26 about five miles southwest of Oshkosh.

Event 38: June 13, 1971

The public reported the F1 tornado 8 miles northwest of Oshkosh in Winnebago County around 4:30 PM CST. The tornado was 50 yards wide and only traveled a quarter of a mile. Many trees were down in small grove eight miles northwest of Oshkosh.

Event 39: June 18, 1971

The F1 tornado struck about 5 miles west of Marinette in Marinette County, near Highway 64 and Right O Way Road around 1:45 PM CST. The tornado was 100 yards wide and traveled just over four miles before it dissipated. Many trees were uprooted, and several resort and farm buildings were damaged.

Event 40: July 8, 1971

The F1 tornado moved through open country just north of Wisconsin Rapids in Wood County around 2 AM CST. The tornado was 75 yards wide and traveled about two miles before it dissipated. One house trailer moved off its foundation while there was damage to trees in the area.

TORNADO REFERENCE GUIDE – F/EF1 TORNADES

Event 41: August 21, 1972

The F1 tornado touched down near Goodwin in Manitowoc County around 3:10 PM CST. The tornado was 50 yards wide and traveled approximately 12 miles to Two Rivers. The tornado struck the Van Koeving residence, uprooting five large trees in the yard. Tree and wire damage occurred along Highway 147 one mile south of Mishicot and near Highway 42 and near Shambeau Road near Two Rivers. The tornado moved eastward out over Lake Michigan.

Event 42: March 11, 1973

An early season F1 struck Calumet County, 2 miles east of Calumetville around 10:30 AM CST. The tornado was 50 yards wide and traveled two miles before dissipating.

Event 43: May 9, 1973

The F1 was reported 2 miles north of Reedsville in Manitowoc County around 3:50 PM CST. The tornado was 50 yards wide and traveled about two miles before dissipating. Several outbuildings were destroyed on the John Zimmerman farm on Highway 32. Damage was also reported on the Sullivan and Fenlon farms.

Event 44: June 3, 1973

The F1 tornado first touched down just north of Amberg in Marinette County around 6:15 PM CST. The tornado was 100 yards wide and moved four and a half miles across Marinette County before dissipating. The tornado upended several house trailers and destroyed several wooden structures at the Sparkling Springs Campground just north of Amberg. Several acres of trees were leveled at the campsite and northeastward to Assembly of God Church in Beecher Township.

Event 45: June 18, 1973

The F1 tornado touched down on the Brunke Farm 2 miles west of Athens in Marathon County around 11 AM CST. The tornado was 200 yards wide and traveled east for two miles before dissipating.

Event 46: July 12, 1973

The F1 tornado was struck touchdown just south of Boulder Junction in Vilas County around 3 AM CST. The tornado was 100 yards wide and traveled 19.5 miles before dissipating near Sayner in Vilas County. Scattered damage to the woods was reported along the path of the tornado.

Event 47: July 12, 1973

The F1 tornado touched down in Jacksonport in Door County around 7:30 AM CST. The tornado was 100 yards wide and traveled 3 miles. Scattered damage was reported west and south of Jacksonport. As many as six waterspouts were reported by one observer off Jacksonport. A seiche caused a drop of two feet in water level locally about fifteen minutes after passage of the storms.

Event 48: July 12, 1973

The F1 tornado developed 4 miles west of Freedom in Outagamie County around 8 AM CST. The tornado was 100 yards wide and traveled one mile. Farm buildings were destroyed on the Ken Geiger farm 4 miles west of Freedom.

Event 49: June 9, 1974

The tornado formed in Adams County and then the F1 tornado moved into southwest Portage County where it touched down briefly on the Sawyer Farm Route 1, Bancroft around 2:45 PM CST. The tornado was 30 yards wide and traveled two and a half miles. The tornado damaged a barn, a chicken coop, and a porch on house. Only minor tree damage was noted.

TORNADO REFERENCE GUIDE – F/EF1 TORNADES

Event 50: June 14, 1974

On the afternoon of June 14th, the F1 tornado touched down 5 miles northwest of Gillett in Oconto County around 4:10 PM CST. The tornado was 30 yards wide and traveled only a quarter of a mile. The tornado downed trees and power lines and threw a chopper wagon thirty yards.

Event 51: June 12, 1976

The F1 tornado touched down near Amherst in Portage County around 9 PM CST. The tornado was 50 yards wide and traveled around a quarter of a mile. The Amherst High School roof was ripped off.

Event 52: June 13, 1976

The F1 tornado formed 4 miles west of Wisconsin Rapids in Wood County around 6:40 PM CST. The tornado continued to move east northeast to three miles northeast of Stevens Point near the intersection of Highway 51 and Business 51 before dissipating around 7:20 PM CST three miles northeast of Stevens Point. The tornado traveled nineteen miles and reached a maximum width of 100 yards. Many trees were flattened. In Stevens Point, scattered damage was reported just north of the city and a roof was blown off an apartment complex. Several other buildings also suffered damage. Two people in the apartment complex were injured from fallen debris.

Event 53: June 13, 1976

The F1 tornado hit first about two miles west of Hogarty in Marathon County around 8 PM CST. The tornado skipped along and moved east northeast into extreme southwest Langlade County near Elmhurst and then continued to near Elton before dissipating at 8:10 PM. The tornado was 50 yards wide and traveled 21.3 miles. Some sheds were destroyed while windows of some buildings were damaged. Tree limbs and power lines were downed by the tornado.

Event 54: June 13, 1976

The F1 tornado developed near county highway H and Highway 54 about five miles east of Seymour in Outagamie County around 8 PM CST. The tornado was 50 yards wide and traveled a half mile. Three barns were destroyed.

Event 55: June 13, 1976

The F1 tornado developed just west of Oconto Falls in Oconto County around 8:15 PM CST. The tornado was 50 yards wide and traveled less than a quarter of a mile. The damage from the tornado included: a barn was destroyed while a farmhouse was damaged, trees and power lines were downed, and a good portion of an orchard was destroyed.

Event 56: June 13, 1976

The F1 tornado first reached the ground near Highway 64 in extreme southeast Lincoln County around 8:45 PM CST. The tornado then moved into western Langlade County about 3 miles north of Highway 64. The tornado skipped along to near county Highway I about 11 miles northwest of Antigo where it was last reported. The tornado was 50 yards wide and traveled nearly eleven miles. The only report of damage was some downed trees.

Event 57: July 30, 1977

The F1 tornado initially developed a half mile west of Forest Junction in Brown County around 10:45 PM CST, destroying a rural farm including a large barn, milk house and several small sheds. The tornado was 100 yards and traveled twelve miles before dissipating in Denmark. In Denmark, a roof of an apartment building was blown off, a couple of garages were destroyed, and some farm machinery was toppled.

TORNADO REFERENCE GUIDE – F/EF1 TORNADES

Event 58: May 8, 1978

The F1 tornado developed a mile and a half southwest of Luxemburg in Kewaunee County around 4:50 PM CST, and then moved to two and a half miles southeast of Luxemburg before dissipating around 5 PM CST. Two buildings were destroyed a mile and a half west of Luxemburg on Highway 54. A large pole building was destroyed two and a half miles southeast of Luxemburg.

Event 59: June 16, 1979

The F1 tornado developed 2 miles north of Irma in Lincoln County around 3:30 PM CST. The tornado moved to 2 miles northeast of Irma before dissipating at 3:45 PM CST.

Event 60: June 20, 1979

The F1 tornado touched down 3 miles south of Oshkosh in Winnebago County around 1:45 PM CST. The tornado on this date followed almost the same path as another more destructive twister that hit the city in April 1974. The tornado destroyed two mobile homes and severely damaged five others. Four people were hospitalized due to the injuries they suffered from the tornado.

Event 61: June 20, 1979

Goodman in Marinette County was hit by the F1 tornado around 2:30 PM CST. The tornado tore the roof off Louisiana Pacific Corps Seaway Division. Clarence Richards, personnel manager said 100 to 125 people were working inside the building when the tornado struck. Company officials said some of the workers were trapped when the roof collapsed. Only one injury was reported. There was no documentation on path length or width of the tornado.

Event 62: August 4, 1979

The F1 tornado struck near Manitowoc in Manitowoc County around 10 AM CST. Several buildings on a farm were destroyed. There was no documentation on path length or width of the tornado.

Event 63: August 9, 1979

The northeast side of Green Bay in Brown County was struck by the F1 tornado around 6:56 PM CST. There was no documentation on path length or width of the tornado.

Event 64: May 30, 1980

The F1 tornado touched down at Highway 187 four miles south of Shawano in Shawano County around 2:30 PM CST. The tornado was 50 yards wide and traveled 2 miles before dissipating. A house trailer was destroyed and scattered debris two miles to the northeast.

Event 65: May 30, 1980

The F1 tornado touched down at Highway 22 and Highway J near Oconto in Oconto County around 3:20 PM CST. The tornado was 50 yards wide and traveled one mile. Several buildings and cars were damaged as well as twisting off several trees.

Event 66: May 30, 1980

The F1 tornado touched down about 2 miles outside of Black Creek in Outagamie County around 4:05 PM CST. The tornado traveled east around 4 miles before dissipating around 4:14 PM CST two miles east of Black Creek. An intermittent 4-mile path 50 yards wide resulted in damage to several garages in Black Creek.

TORNADO REFERENCE GUIDE – F/EF1 TORNADOES

Event 67: June 14, 1980

The F1 tornado developed about 5 miles northwest of Manawa at Highway 161 near County Highway E in Waupaca County around 12:30 PM CST. The tornado crossed Highway 161 and then turned eastward and dissipated near Manawa. The tornado was 50 yards wide and traveled five miles before dissipating. Several residents in the area took several spectacular photographs of the twister.

Event 68: June 14, 1980

A small F1 tornado formed at Highway C one mile east of Rhinelander in Oneida County at 1:25 PM CST. The tornado was 50 yards wide and traveled eastward for a mile and a half before the tornado dissipated over Lake Thompson. A falling tree injured one person seriously and two other injuries were noted in a trailer court. One house and three trailers and several rural buildings suffered damage.

Event 69: July 5, 1980

The F1 tornado struck the farm of Warren Otto just south of Valders in Manitowoc County around 12:30 AM CST. There was no documentation on path length or width of the tornado. The tornado destroyed a barn and machine shed, and farm machinery on the Warren Otto farm. Other farm buildings in the area also sustained minor damage.

Event 70: September 20, 1980

The Mattoon area of Shawano County was struck by the F1 tornado around 11:15 PM CST. The tornado was 35 yards wide and traveled a half mile before dissipating. Several buildings were damaged by the tornado.

Event 71: June 13, 1981

The F1 tornado touched down at the Timber Ridge Country Club on Route 51 one mile north of Hazelhurst in Oneida County around 8:40 PM. There was no documentation on path length or width of the tornado. The tornado destroyed about one thousand trees.

Event 72: June 13, 1981

The F1 tornado touched down at County Highway N about a half mile north Sayner. The tornado moved east for three miles through the dense forest and cross the intersection of Highway N and Highway G then dissipated. The tornado damaged electric lines, telephone poles and trees. The tornado was fifty yards wide.

Event 73: March 30, 1982

The F1 tornado initially touched down in the township of Armenia in Juneau County where it destroyed a house and 3 nearby mobile homes. Two occupants of the house were injured. The tornado then moved northeast to just southeast of Nekoosa in Wood County around 2:05 PM CST. The tornado traveled intermittently on a 28 mile-path before dissipating 3 miles southwest of Stevens Point in Portage County around 2:40 PM CST.

Event 74: July 15, 1982

The F1 tornado swept southeast from May Flower Lake into rural areas at the south end of the lake in Marathon County around 7:15 PM CST. The tornado was 50 yards wide and traveled three quarters of a mile. Several trees were downed, and one residence was damaged.

Event 75: July 3, 1983

The Eagle River Municipal Airport in Vilas County was hit by the F1 tornado at 4:39 AM CST. The tornado was 20 yards wide and traveled a half mile before dissipating. Two single engine planes were destroyed, and thirteen others were damaged. Five eighths inch ropes holding the planes down were shredded. One plane cart-wheeled four hundred feet.

TORNADO REFERENCE GUIDE – F/EF1 TORNADOES

Event 76: July 3, 1983

The F1 tornado touched down in Birnamwood in Shawano County around 7 PM CST. The tornado was 50 yards wide and traveled a half mile.

Event 77: July 19, 1983

The F1 tornado touched down at Stockbridge Harbor in Calumet County around 7:25 PM CST. The tornado smashed a shed roof and damaged two homes near Lake Shore Drive. The tornado turned east southeast damaging two garages and one barn on Military Road and then Hickory Hill Road where the roof of a mobile home was destroyed. The tornado was 100 yards wide and traveled 2 miles before dissipating.

Event 78: June 26, 1984

The F1 tornado touched 13 miles north of Wausau in Marathon County around 4:55 PM CST. The tornado was 100 yards wide and skipped eastward for 8 miles before dissipating in the town of Texas. The tornado damaged four homes and three farm buildings. It also destroyed a few sheds and uprooted trees.

Event 79: June 26, 1984

The F1 tornado touched down on the west side of Caroline in Shawano County around 7 PM CST. The tornado was 50 yards wide and traveled 4 miles before dissipating east of Caroline. On the west side of Caroline, the tornado flattened sheds and knocking over several large trees and gravestones in a cemetery. A church roof was ripped off on the east side of Caroline. The entire town was without power for three hours.

Event 80: July 24, 1986

The F1 tornado briefly touched down around 2:15 PM CST on South Shore Drive near Little St. Germain Lake near St. Germain in Vilas County. The tornado was 50 yards wide and traveled a quarter of a mile. Five buildings, some garages, some boats and docks were damaged. A dozen trees were snapped off at the base.

Event 81: July 2, 1987

A brief tornado touched down just east of Pike Lake in Marathon County around 5:10 PM CST. The EF1 tornado was 75 yards wide and traveled two tenths of a mile before dissipating around 5:15 PM CST. Numerous trees were twisted and knocked down causing damage to seven homes, a boat trailer and one boat foundation.

Event 82: July 12, 1987

The F1 tornado touched down one mile south of Francis Creek in Manitowoc County around 11:27 AM CST. The tornado was 75 yards wide and traveled two tenths of a mile before dissipating around 11:30 AM CST. One house and a garage were destroyed. One barn, a shed and several trees were also damaged. Debris from the house was found as far as several miles away.

Event 83: August 14, 1987

Considerable damage from the F1 tornado occurred one mile west of Menasha in Winnebago County between 5:40 PM and 5:43 PM CST. The tornado was 100 yards wide and traveled a quarter of a mile. Most of the damage occurred at a warehouse where siding and a roof were twisted and ripped away. Two 100 square foot cement slabs were also torn from the building. Trees and power lines were downed as well.

Event 84: May 8, 1988

In Waushara County, the F1 tornado traveled 5 miles from one mile south of Mount Morris to 3 miles northeast of Wild Rose between 5:06 PM and 5:12 PM CST. The tornado was 100 yards wide. Damage to structures and trees were reported along Silver Lake.

TORNADO REFERENCE GUIDE – F/EF1 TORNADES

Event 85: July 29, 1988

The brief F1 tornado touched down in the Eagle River in Vilas County around 8:30 PM CST. The tornado was 50 yards wide and only traveled a tenth of a mile. The tornado damaged the Northland Pines High School in Eagle River. Winds accompanying the storm downed signs and trees in the Eagle River area.

Event 86: August 1, 1988

The F1 tornado touched one mile west of St. Germain in Vilas County around 6:52 PM CST. The tornado was 50 yards wide and traveled one mile. The tornado caused falling trees to damage cars and buildings one mile west of St. Germain. Another tornado (F0) was reported at 7:22 PM CST two miles southeast of Eagle River.

Event 87: August 4, 1988

The F1 tornado developed one mile east of Reedsville in Manitowoc County around 2:35 PM CST. The tornado was 25 yards wide and traveled 4 miles before dissipating two miles north of Cato around 2:45 PM CST. Two barns, one shed and several trees were damaged by the tornado.

Event 88: May 24, 1989

The F1 tornado touched down 3 miles south of Oshkosh in Winnebago County between 8:10 and 8:15 PM CST. The tornado was 50 yards wide and traveled 1.2 miles before dissipating.

Event 89: May 24, 1989

The F1 tornado touched down 4 miles west northwest of Chilton in Calumet County around 9:05 PM CST. The tornado was 50 yards wide and was on the ground for a quarter of a mile.

Event 90: June 12, 1990

The F1 tornado hit a farm 2 miles west of Stratford in Marathon County around 6:35 PM CST. The tornado was 25 yards wide and was only on the ground for a tenth of a mile. According to newspaper reports, there was damage to some farm structures.

Event 91: June 14, 1991

The tornado touched down 8 miles west northwest of Merrill in Lincoln County around 11:55 AM CST. The F1 tornado was 50 yards wide and was on the ground for a mile. The tornado destroyed several trees, a barn and damaged a roof and porch of a house.

Event 92: April 20, 1992:

The F1 tornado formed 2 miles southwest of Arpin in Wood County around 4 PM CST. The tornado was 25 yards wide and traveled 9.5 miles before dissipating a half mile south of Bethel or near Bakerville around 4:20 PM CST. Damage included: a shed was knocked down near Arpin, a mobile home was picked up and twisted around near Bethel and some roof damage was reported at Bakerville.

Event 93: May 16, 1992

The F1 tornado touched down 5 miles north of Junction City in Portage County around 2:30 PM CST. The tornado was 400 yards wide and traveled 1.3 miles before dissipating. The tornado damaged three homes, two sheds, and a mobile home roof 5 miles north of Junction City.

Event 94: May 16: 1992

In Waupaca County, the F1 tornado touched down two and a half miles northeast of Northland around 6:30 PM CST. The tornado was 100 yards wide and was on the ground for a mile and a half. Many trees and three homes were damaged by the tornado.

TORNADO REFERENCE GUIDE – F/EF1 TORNADOES

Event 95: May 16, 1992

The F1 tornado formed near Lamers and Clancy Roads near Kaukauna in Outagamie County around 7:20 PM CST. The tornado was 100 yards wide and traveled several miles into extreme southwest Brown County where it dissipated 2 miles southwest of Wrightstown around 7:30 PM CST. Numerous trees were down, some of which landed on houses.

Event 96: July 19, 1992

The F1 tornado formed 2 miles west southwest of Stratford in Marathon County around 3:54 PM CST. The tornado was 400 yards wide and was on the ground for only a quarter of a mile. The damage from the tornado included: a destroyed barn, two houses and one garage damaged while several trees were downed.

Event 97: October 8, 1992

The F1 tornado touched down in the Gilbert Lakes area about 5 miles northeast of Wild Rose in Waushara County around 4:48 PM CST. The tornado was 400 yards wide and was on the ground for a mile. Fifteen homes and buildings were damaged. 500 oak and pine trees were also damaged.

Event 98: October 8, 1992

The F1 tornado touched down about 4 miles northeast of Blaine in Portage County and moved through the township of Lanark around 5:12 PM CST. The tornado was 100 yards wide and was on the ground for 2 miles. Ten homes and buildings were damaged, a barn and garage destroyed, and numerous trees were knocked down.

Event 99: April 26, 1994

The F1 tornado touched down a mile and a half north of Conover in Vilas County around 2:55 PM CST. The tornado was 150 yards wide and traveled four and a half miles before dissipating 3 miles southeast of Land O' Lakes around 3:05 PM CST. The tornado damaged a house just north of Conover and leveled hundreds of trees along its four and a half-mile path into the Nicolet National Forest.

Event 100: July 8, 1994

The F1 tornado touched 3 miles northwest of Elderon in Marathon County around 2 PM CST. The tornado was 75 yards wide and only traveled two tenths of a mile. The tornado moved a garage off its foundation and wrecked a house roof and shed three miles northwest of Elderon.

Event 101: July 8, 1994

The F1 tornado formed three miles southeast of Aniwa in Shawano County around 2:16 PM CST. The tornado was 75 yards wide. The tornado only traveled two tenths of a mile. The tornado destroyed a garage and toppled trees three miles southeast of Aniwa.

Event 102: August 27, 1994

The F1 tornado formed in Hancock in Waushara County around 9:07 PM CST. The tornado was 75 yards wide and was on the ground for a mile and a half.

Event 103: August 27, 1994

The F1 tornado developed a mile and half south of Wausaukee in Marinette County around 9:41 PM CST. The tornado was 75 yards wide and was on the ground for 4 miles before dissipating three miles southeast of Wausaukee around 9:50 PM CST.

Event 104: July 14, 1995

The F1 tornado touched down a mile and a half southwest of Phelps in Vilas County around 4:40 PM CST. The tornado was 250 yards wide and traveled east for three and a half miles before dissipating just southeast of Phelps at 4:47 PM CST. Trees fell on cars, homes and businesses.

TORNADO REFERENCE GUIDE – F/EF1 TORNADOES

Event 105: July 18, 1996

The F1 tornado touched down a mile and a half southwest of Tomahawk at 4:20 PM CST. The tornado uprooted two trees at Bradley Park, then moved southeast across Lake Mohawkskin, flipping two boats over. The tornado moved back on land and tore part of a roof off a tavern while a garage was removed from its foundation. It continued to move into the Road Lake area where it produced its most significant damage. Three cottages were damaged after trees fell on them. The tornado reached a maximum width of 100 yards before it dissipated nearly three miles southeast of Tomahawk around 4:30 PM CST.

Event 106: July 18, 1996

The F1 tornado touched down 1.1 miles south of Jericho in Calumet County around 6:05 PM CST. The tornado was 100 yards wide and was on the ground a mile and a half before it dissipated 1.6 miles southeast of Jericho at 6:07 PM CST.

Event 107: August 7, 1996

The brief F1 tornado touched down one mile north of Stratford in Marathon County around 1:46 AM CST. The tornado was 100 yards wide and only traveled two tenths of a mile before dissipating 1.2 miles northeast of Stratford around 1:47 AM CST. The tornado snapped off numerous large trees, some of which fell on the top of homes. In addition: a barn was flattened while a semi-trailer was flipped over, and a car moved 75 feet.

Event 108: August 7, 1996

The F1 tornado touched down four tenths of a mile southwest of Shantytown in Manitowoc County around 2:19 AM CST. The tornado was 100 yards wide and traveled nearly a half mile to Shantytown before dissipating around 2:21 AM CST. The tornado tore a 100 yard-swath through a cornfield. In Shantytown, the tornado tore the roof and garage off a home. Pieces of the roof were found one-quarter of a mile away from the home.

Event 109: July 16, 1997

The F1 tornado briefly touched down two miles northeast of Ringle in Marathon County around 3:09 PM CST. The tornado was 50 yards wide and only traveled two tenths of a mile before dissipating 1.8 miles northeast of Ringle around 3:11 PM CST.

Event 110: May 31, 1998

The F1 tornado developed a half mile north of Stockbridge in Calumet County around 1:20 AM CST. The tornado was 75 yards wide and traveled 1.4 miles before dissipating 2 miles northeast of Stockbridge around 1:24 AM CST. The tornado destroyed a garage and silo, damaged two barns and overturned farm vehicles. A 2-by-4 was driven through the exterior wall of a house, narrowly missing one of the sleeping children.

Event 111: May 1, 2001

The F1 tornado developed four tenths of a mile north of Minocqua in Oneida County around 8:55 PM CST. The tornado moved about a quarter of a mile before lifting of the ground. The tornado touched down again 1.8 miles east northeast of Minocqua and stayed on the ground for over a mile before dissipating around 9 PM CST. The tornado was 125 yards wide and was on the ground for about a mile and a half. Many pine trees were snapped 15 to 30 feet above the ground. A five-unit storage building was completely removed from its slab while several homes were damaged by fallen trees.

Event 112: April 18, 2002

The F1 tornado formed 3 miles southeast of Stratford in Marathon County around 6:13 PM CST. The tornado was 100 yards wide and traveled 14 miles before dissipating 6 miles northwest of Mosinee around 6:27 PM CST. The tornado downed hundreds of trees, while numerous barns and farm sheds were destroyed by a combination of the tornado and straight-line winds. Plows had to be used to clear trees from some of the roads.

TORNADO REFERENCE GUIDE – F/EF1 TORNADOES

Event 113: September 2, 2002

The F1 tornado developed 6 miles northwest of Wausau in Marathon County around 5:35 PM CST. The tornado was 200 yards wide and was on the ground for five miles before dissipating 4 miles northeast of Wausau around 5:43 PM CST. The tornado destroyed two barns, a garage, and a shed. It also snapped hundreds of trees, heavily damaged 6 homes and caused minor damage to 25 others. At least two vehicles traveling on Highway 51 were blown off the road. A trailer being towed by one of the vehicles was blown over and a large road sign hit the vehicle. The driver was injured and transported to the hospital.

Event 114: September 30, 2002

The F1 tornado touched down in southeast Florence County, five and a half miles south southeast of Spread Eagle around 6:10 PM CST. The tornado was 400 yards wide and traveled seven tenths of a mile before dissipating five and a half miles southeast of Spread Eagle around 6:11 PM CST. The tornado destroyed a pole barn, a garage that was under construction and 6 to 10 outbuildings. 150 to 250 trees and power lines were downed, causing numerous power outages. The tornado tracked east-northeast across the Menominee River into upper Michigan where it continued to do damage.

Event 115: August 3, 2003

The F1 tornado touched down three tenths of a mile west of Potter in Calumet County around 1:59 PM CST. The tornado was 75 yards wide and was on the ground for nearly a half mile before dissipating two tenths of a mile east northeast of Potter around 2:03 PM CST. The tornado damaged several houses, outbuildings, and trees around Potter.

Event 116: June 23, 2004

The F1 tornado touched down 3 miles west northwest of Almond around 6:46 PM CST. The tornado was 25 yards wide and was on the ground for a mile and a half before dissipating 3 miles north northeast of Almond around 6:48 PM CST. The tornado knocked down several trees and a fence, damaged the roof of a house and damaged some outbuildings.

Event 117: June 23, 2004

The F1 tornado touched down 3 miles southeast of Blaine in southeastern Portage County around 6:53 PM CST. The tornado was 100 yards wide and traveled two and a half miles to 5 miles southeast of Blaine at 6:56 PM CST. The tornado downed trees and overturned an irrigation system.

Event 118: June 23, 2004

The F1 tornado touched down in at least four locations from Little Chute to Kaukauna in Outagamie County between 8 PM and 8:08 PM CST. The tornado was 100 yards wide and traveled 3.5 miles before dissipating. The tornado toppled or twisted large trees, ripped parts of the roofs from residential and commercial buildings, destroyed storage sheds and an old barn. Semi-trailers were overturned, some of them onto other vehicles.

Event 119: July 13, 2004

The F1 tornado touched down 1.4 miles northwest of Clark Mills in Manitowoc County around 2:40 PM CST. The tornado was 500 yards wide and traveled just over four miles before dissipating 2.8 miles southeast of Clark Mills around 2:52 PM CST. The tornado caused extensive damage two farms. The tornado destroyed two garages, two barns, two milking parlors and three silos. The tornado also destroyed 45 calf hutches and about 80 acres of alfalfa. The tornado snapped and uprooted trees and carried a calf about a half a mile away where it was found still alive.

TORNADO REFERENCE GUIDE – F/EF1 TORNADOES

Event 120: August 18, 2005

The F1 tornado developed 6 miles east northeast of Wrightstown in Brown County around 7:45 PM CST. The tornado was 100 yards wide and traveled one mile before dissipating 6.8 miles east northeast of Wrightstown at 7:49 PM CST. About 75 trees were downed or snapped and several structures along its path were destroyed. Two wooden garages were destroyed, and debris scattered for several hundred feet. The walls of a house that were under construction were blown down. A part of a steel roof of a commercial building was damaged. A heavy wooden bench was picked up from the front porch and thrown several hundred feet away behind the house. The tornado was part of a record tornado outbreak in Wisconsin.

Event 121: August 18, 2005

The F1 tornado developed six and a half miles south southwest of Manitowoc in Manitowoc County at 8:35 PM CST. The tornado was 100 yards wide and traveled one and a half miles before dissipating 5.7 miles south of Manitowoc at 8:39 PM CST. The tornado damaged a farm, snapped, or uprooted around 50 large trees while several hay wagons and trailers were overturned. A concrete silo was destroyed and another damaged. The roof of a barn sustained extensive damage. Part of the barn and silo were found in trees a third of a mile away. The tornado was part of a record tornado outbreak in Wisconsin.

Event 122: June 7, 2007

The EF1 tornado developed a half mile west of Cedarville in Marinette County around 4:37 PM CST. The tornado was 200 yards wide and traveled three miles before it dissipated 2.5 miles east northeast of Cedarville around 4:40 PM CST. The tornado tore a significant portion of the roof from one home, snapped a few trees and uprooted numerous others. A manufactured home was moved off its foundation and down an embankment.

Event 123: June 7, 2007

The EF1 tornado developed three and a half miles west of Harmony in Marinette County around 5:16 PM CST. The tornado was 200 yards wide and traveled 3.6 miles before dissipating 1.2 miles north of Harmony, or 2.9 miles south-southwest of Porterfield. One person was injured by flying debris as she sought refuge in their home. The tornado flattened a barn, tore a significant part of a sheet metal roof from an outbuilding, blew in a garage door and tore part of a roof deck over the garage from a home that was under construction.

Event 124: July 19, 2008

The brief EF1 tornado touched down 3.8 miles west northwest of Menasha in Winnebago County around 10:44 PM CST. The tornado was 40 yards wide and traveled a half a mile before it dissipated 3.4 miles west northwest of Menasha at 10:45 PM CST. The tornado produced sporadic damage along a narrow path almost a half a mile long. An apartment complex sustained the heaviest damage. Four buildings were affected, two of which lost parts of their roofs.

Event 125: May 4, 2010

The EF1 tornado touched down 2.7 miles southeast of Zittau in Winnebago County around 6:10 PM CST. The tornado was 100 yards wide and traveled seven tenths of a mile before it dissipated 2.7 miles west of Winchester at 6:12 PM CST. The tornado snapped numerous pine trees in a wooded area and threw a gazebo into the side of a house. The tornado also destroyed a 100-year-old barn.

Event 126: August 20, 2010

The EF1 tornado touched down 2 miles southeast of Greenleaf in Brown County at 3:20 PM CST. The tornado traveled just over 1.25 miles and was 75 yards wide before dissipating 2.7 ESE of Greenleaf at 3:22 PM CST. When the tornado initially touched down, several trees were snapped and uprooted. The tornado then destroyed a relatively new barn constructed of metal wall panels and roof. Pieces of the roof and wall were strewn over 100 yards from the site. About 50 to 100 yards on either side of the damaged barn small outbuildings and trees were untouched. The tornado continued east-northeast to another farm and heavily damaged a metal building which contained hay bales. Large parts of the metal roof were thrown over 200 yards. Numerous trees along the patch were snapped or uprooted. Estimated maximum winds were 90 mph. The tornado dissipated just north of the Holland State Wildlife Area.

TORNADO REFERENCE GUIDE – F/EF1 TORNADES

Event 127: April 10, 2011

The EF1 tornado moved out of Adams County and entered Waushara County at 5:35 PM CST about 1.8 miles northwest of Coloma. The worst damage occurred just inside the Waushara County line. A mobile home roof was torn off and roof damage was noted to several homes. The average width of the tornado was about 80 yards.

Event 128: April 10, 2011

The EF1 tornado formed about 5 miles south of Parrish around 5:50 PM CST and moved just east of north for a little over five miles. The tornado affected about 1600 acres of hardwood and softwood trees. It was estimated that over one million trees were snapped, uprooted, or suffered serious damage. The loss to timber alone is estimated at over one million dollars. One cabin was destroyed by fallen trees. The tornado was seen by a storm chaser at 5:55 PM CST. The average width of the tornado was 250 yards.

Event 129: April 10, 2011

The EF1 tornado developed at approximately 6:06 PM CST one mile southwest of Saxeville in Waushara County and moved east-northeast across east-central Wisconsin. Numerous pine trees were snapped or uprooted near the initial point of contact. As the tornado moved into West Bloomfield, several farm buildings were heavily damaged, including a barn that collapsed. The tornado had an average width of 100 yards, but it was not on the ground continuously. The tornado entered Waupaca County at 6:20 PM CST southwest of Fremont. Several farm buildings were impacted by the tornado in addition to many trees. Near Readfield, a barn was lifted and rolled off its foundation. A poorly anchored house roof, which overhung the house walls was completely removed with debris nearly a quarter of a mile to the northeast. The average width of the tornado was 100 yards. The tornado moved into Outagamie County at 6:32 PM CST. The tornado, which was not on the ground the entire time, damaged a couple of farm buildings just south of Hortonville before it dissipated. One of the buildings lost part of its roof. The average width was 100 yards.

Event 130: April 10, 2011

The EF1 tornado developed 0.3 miles northwest of Poy Sippi, then moved east-northeast over the north shore of Lake Poygan. The tornado then entered Winnebago County at 7:04 PM CST. In Waushara County, the tornado damaged a house and destroyed a barn in the Poy Sippi area. Another barn was flattened near the north shore of Lake Poygan. Many pine trees were uprooted or snapped along the path of the storm. The average path width in Waushara County was 100 yards. In Winnebago County, the tornado moved along the north shore of Lake Poygan, causing most of the damage near Boom Bay on the northeast shore of Lake Poygan. Two homes were heavily damaged as portions of their roofs were partially ripped off. Several other houses sustained lesser damage in this area. In addition, two small mobile homes were rolled on their side and many trees were uprooted or snapped. The tornado dissipated about 2 miles west of Winchester, although damage occurred east and southeast of this location from straight-line thunderstorm winds. The average path width in Winnebago County was 100 yards.

Event 131: April 10, 2011

The EF1 tornado (2nd tornado on this day) formed in Forest County about four miles west of Armstrong Creek at 7:03 PM CST. The tornado snapped and uprooted trees and damaged two houses. One of the houses sustained significant roof damage as the tornado moved across the area. The average width of the tornado was 125 yards.

Event 132: April 10, 2011

The brief EF1 tornado touched down about a mile and a half south of Greenleaf. The tornado damaged the tops of two silos and then ripped the roof off a barn. Average width of the tornado was 75 yards.

Event 133: April 10, 2011

The brief EF1 tornado moved off Lake Winnebago and onshore south of Stockbridge just before 8 PM CST. The waterspout was seen moving onshore damaging two homes. A three-season room on one of the houses was ripped off the structure. The tornado moved northeast and tore a section off the roof of a large outbuilding. The tops of trees were snapped in two areas along the path of the tornado. The average width of the tornado was 75 yards.

TORNADO REFERENCE GUIDE – F/EF1 TORNADOES

Event 134: May 22, 2011

The EF1 tornado moved out of Juneau County at 5:03 PM CST and moved across southern Wood County. The storm hit a campground on the east shore of the Wisconsin River about three miles south of Nekoosa. Over 100 pine trees were snapped and uprooted on the campground, some two feet in diameter. Several camper vehicles were damaged by fallen trees. The tornado was seen by campground visitors just before 5:15 PM CST. The tornado continued east-northeast and snapped or uprooted hundreds of additional trees south of Wisconsin Rapids. The storm damaged at least six homes and several other buildings about six miles south-southeast of Wisconsin Rapids. One of the houses lost the entire roof of a garage. A woman was in the garage at the time. She sustained injuries when the garage fell on the truck that she was taking shelter in. This area experienced a high-end EF1 damage with winds at least 95 to 105 mph. The tornado entered Portage County around 5:20 PM CST. The tornado moved across mainly farmland. The twister continued to snap trees and overturn agricultural irrigation systems. About six miles south of Plover, a nearly half-mile long row of power poles was bent over. The tornado crossed Interstate 39 at Coddington Road two miles west of Keene. The tornado grew to nearly 700 yards wide as it passed just north of Keene and heavily damaged a farmstead. A silo was damaged, and a barn was flattened. Several outbuildings were also damaged or destroyed. Along the path, at least two dozen irrigation systems were overturned and damaged resulting in over one million dollars in losses. Many hundreds of trees were snapped or uprooted. This area experienced high end EF1 damage with winds of 100 to 110 mph. The tornado dissipated about 9 miles southeast of Plover at 5:46 PM CST. The average width was 300 yards in Portage County.

Event 135: August 19, 2011

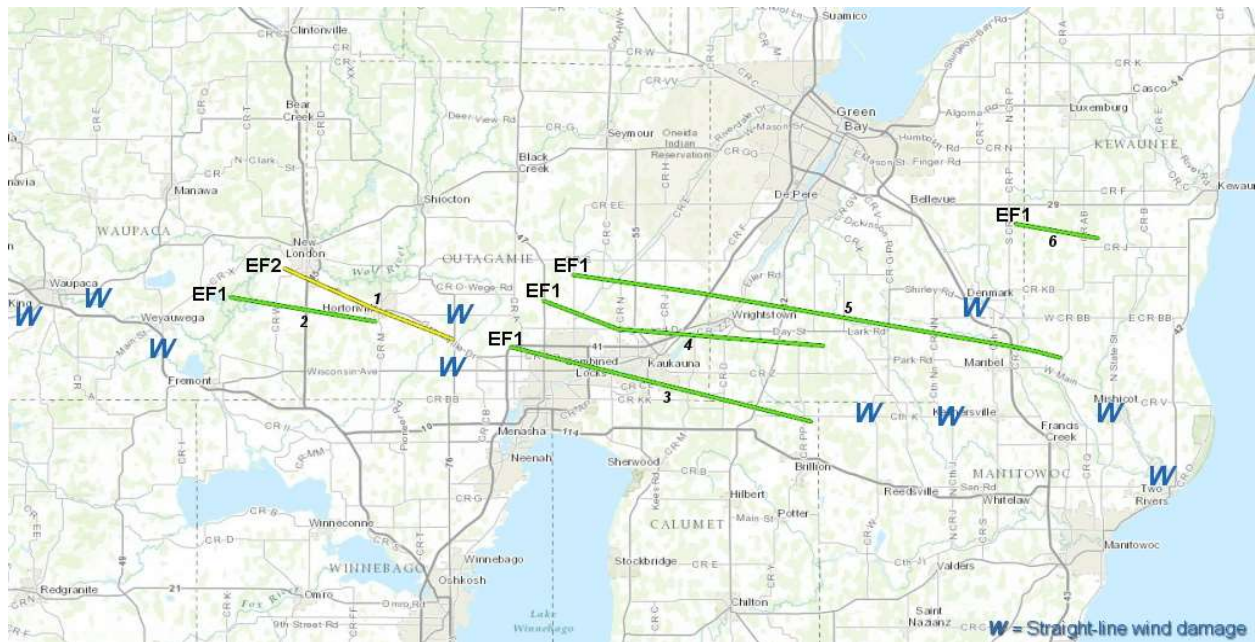
The EF1 tornado quickly developed northwest of the city of Wausaukee during the late afternoon and moved southeast for nearly eight miles before dissipating. The twister touched down near Long Lake, snapping or uprooting hundreds of trees as it moved towards Wausaukee. A mobile home near Long Lake was heavily damaged by fallen trees, but the occupants escaped without injury. As the tornado moved into Wausaukee, it leveled another mobile home killing a 46-year-old male. Two additional buildings on the property sustained damage including a house that lost part of its roof. Two semi-trailers on the property were blown over. The tornado continued southeast, damaging a baseball field and hundreds of additional trees on the east side of Wausaukee. The tornado reached the Menominee River and briefly crossed into Upper Michigan before moving back into Wisconsin and dissipating near Highway 180. One tree fell on a home near Deer Lane Road.

Event 136: August 6, 2013

The first of six late night tornadoes to strike Northeast Wisconsin on this date, the EF1 tornado touched down four miles north northeast of Partridge Lake in Waupaca County at 11:22 PM CST. The tornado was traveling at a rate of 60 to 70 mph. The tornado hit a campground, blowing several camper trailers over. Two people sustained minor injuries at the campground. Over one hundred trees were snapped or uprooted along the path in Waupaca County. The tornado moved into Outagamie County about 3.1 miles south of New London at 11:26 AM CST. The tornado damaged or uprooted trees as it moved across Outagamie County. Based on radar analysis, the circulation of this tornado may have merged with the other tornado that was occurring concurrently in the county near Hortonville. The tornado traveled 9.8 miles before dissipating eight tenths of a mile west southwest of Hortonville at 11:30 PM CST. The maximum width of the tornado in Outagamie and Waupaca Counties was 125 yards, with an average width of 75 yards in both counties.

TORNADO REFERENCE GUIDE – F/EF1 TORNADES

Rare Late Evening / Early Morning Tornadoes on August 6-7, 2013



Event 137: August 6, 2013

The third of six late night tornadoes to strike Northeast Wisconsin on this date, the EF1 tornado touched down four tenths of a mile west of Mackville in Outagamie County at 11:38 PM CST. The tornado was traveling at a rate of 60 to 70 mph. The tornado caused a barn to collapse, and heavily damaged a boat showroom in Little Chute. Another barn lost part of its roof northwest of Kaukauna. Damage to trees was sporadic as it moved through Outagamie County. The maximum width of the tornado in Outagamie County 175 yards, with an average width of one hundred yards. The tornado moved into southern Brown County, about two miles southwest of Wrightstown around 11:48 PM CST. In Brown County, the tornado uprooted or snapped dozens of trees as it moved east, just south of Greenleaf. A house lost an attached garage when winds blew in the garage door and caused a large portion of the garage roof to lift off. The walls of a nearby building collapsed. The maximum width of the tornado in Brown County was 175 yards and average width was 125 yards. The tornado traveled 19.2 miles before dissipating 2.7 miles west of Morrison at 23:53 PM CST.

Event 138: August 6, 2013

The fourth of six late night tornadoes to strike Northeast Wisconsin on this date, the EF1 tornado touched down three and a half miles east of Greenville in Outagamie County at 11:38 PM CST. The tornado was traveling at a rate of 60 to 70 mph as it moved across northern portions of Appleton, Kimberly, and Kaukauna. The tornado caused some roof damage to the Northland Mall and caused roof and window damage to two small retail buildings. The storm then knocked over four wood electrical poles and uprooted or heavily damaged hundreds of trees in a nearby neighborhood. Although houses in the area sustained relatively minor wind directly, fallen trees caused considerable collateral damage to roofs, siding and vehicles. The maximum width of the tornado in Outagamie County was 150 yards, with an average width of 125 yards. The EF1 tornado entered Brown County a little over a mile west of Holland around 11:49 PM CST. A few trees were knocked over by the tornado. The average path width in Brown County was 150 yards. An EF1 tornado moved into Calumet County 1.6 miles northwest of Forest Junction around 11:50 PM CST. In Calumet County, the tornado damaged about three dozen trees. Two metal truss towers collapsed under the weight of several high voltage power lines which were likely moving in unison as their resonance frequency was reached. Engineers inspected the damaged estimated winds around 100 mph. The maximum width in Calumet County was 175 yards with an average width of 125 yards. The tornado traveled 20.7 miles before dissipating a little over two and a half miles north northeast of Brillion around 11:52 PM CST.

TORNADO REFERENCE GUIDE – F/EF1 TORNADOES

Event 139: August 6, 2013

The fifth of six late night tornadoes to strike Northeast Wisconsin on this date, the EF1 tornado touched down 2.7 miles east northeast of Mackville in Outagamie County at 11:40 PM CST. The tornado was traveling at a rate of 60 to 70 mph as it moved across the Fox Valley. The tornado caused significant damage to several outbuildings and barns and flattened sections of mature corn fields. The roof of a power substation was damaged. The maximum path width was 200 yards, with an average width of 150 yards. The tornado now an EF0 moved into Brown County just under two miles northwest of Wrightstown near Highway 41 around 11:48 PM CST. The tornado first hit the Apple Creek Campground, snapping fifty trees, and knocking over two camping trailers. As the tornado moved across southern Brown County, at least seventy homes sustained at least minor damage, many from fallen trees. A large free-standing garage was heavily damaged when the tornadic winds blew in two garage doors, causing the roof to be ripped off. The maximum width of the tornado in Brown County was 250 yards, with an average width of 175 yards. The tornado moved into Manitowoc County 4.1 miles northwest of Rosencrans around 12:01 AM CST. The tornado strengthened to an EF1 in Manitowoc County. The tornado damaged several outbuildings and a roof of a barn. A 110-year-old stone structure at the Maribel Caves County Park was knocked over by the strong winds. The damage survey revealed the tornado ended a couple miles east of Maribel, but straight-line wind damaged continued into the east part of the county. The tornado in Manitowoc County has a maximum width of 250 yards and average width of 125 yards. The tornado traveled thirty-three miles across three counties before dissipating.

Event 140: August 7, 2013

The last tornado of the night to strike Northeast Wisconsin on this date, the EF1 tornado touched down a half mile south southeast of Henrysville in Brown County around 12:05 AM CST. The tornado was traveling at a rate of 60 to 70 mph as it moved across the region. A couple dozen trees were damaged or uprooted. In Brown County, the maximum width of the tornado was one hundred yards with an average width of seventy-five yards. An EF1 tornado moved into Kewaunee County about three miles southwest of Pilsen around 12:06 AM CST. The tornado caused the walls and roof of a barn to collapse and damaged two silos. The tornado also uprooted several dozen trees along its path. In Kewaunee County, the maximum width of the tornado was 100 yards with an average width of 75 yards. The tornado traveled 5.6 miles before dissipating one mile northeast of Stangelville around 12:10 AM CST.

TORNADO REFERENCE GUIDE – F/EF1 TORNADES

Event 141: July 6, 2015

The EF0 tornado touched down at 2:31 PM CST 3.4 miles west of Marion (see map next page) in Waupaca County. The tornado traveled three quarters of a mile and had a maximum width of 75 yards wide before dissipating 2.7 miles west of Marion at 2:40 PM CST. The tornado heavily damaged a barn and adjacent garage. The roof of a nearby house was damaged and winds of another home were broken. At least two dozen trees were uprooted or snapped. The average path width was 50 yards.

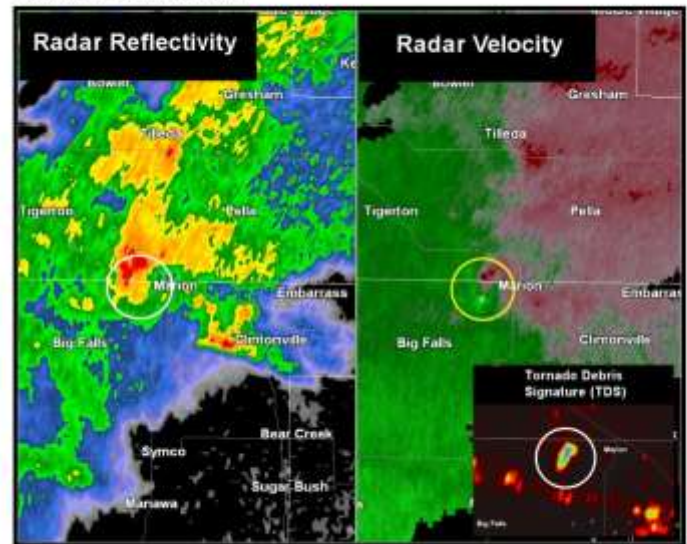
This was one of three tornadoes that touched down in northeast Wisconsin on this date. What was unusual about this event was there was no thunder noted with the tornadoes (very rare!). The radar image shows in the intense rotation west of Marion.



Preliminary Tornado Map (above). Red triangles denote approximate location of brief tornado touchdowns. Inset above denotes the location of the EF1 tornado west of Marion, Wisconsin.

Tornado	Begin	End	Path
Marion EF1	4:38 PM, 3 W Marion	4:40 PM, 2.6 W Marion	Length: 0.4 mi Width: 75 yards
Pella EF0	5:03 PM, 2 E Pella	5:03 PM, 2 E Pella	Length: 0.1 mi Width: 25 yards
Gillett EF1	5:56 PM, 2 E Gillett	6:03 PM, 3 ENE Gillett	Length: 7.2 mi Width: 50 yards

The first tornado developed just ahead of the main line of showers over northern Waupaca County. This storm quickly attained supercell characteristics and generated a brief EF1 tornado about three miles west of Marion in extreme northern Waupaca County (see map inset above and radar images below).



Radar reflectivity (above Left) and radar velocity (above right) around time of the EF1 tornado west of Marion. Inset in the above image is the dual polarization correlation coefficient (CC) product denoting the location of debris produced by the tornado.

TORNADO REFERENCE GUIDE – F/EF1 TORNADOES

Event 141: July 6, 2015 continued

Here are some damage photos from the Marion tomado:

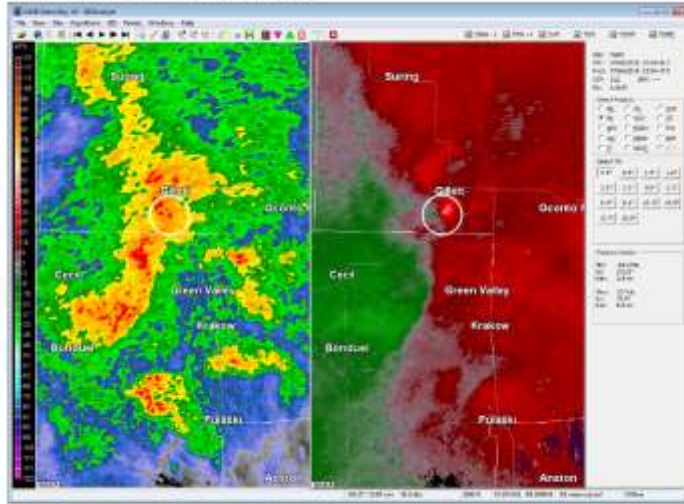


TORNADO REFERENCE GUIDE – F/EF1 TORNADES

Event 142: July 6, 2015

The EF1 tornado touched down at 4:56 PM CST 2.2 miles east-northeast of Gillett in Oconto County. The tornado traveled two and a quarter mile and was 50 yards wide before dissipating 2.6 miles south-southwest of Kelly Brook at 5:03 PM CST. The tornado uprooted or snapped at least twenty trees and caused minor damage to a house.

This new cell north of Embarrass continued to organize and strengthen and eventually produced an EF1 Tornado near Gillett in western Oconto County around 5:55 pm CDT (see image below).



Radar reflectivity (above left) and velocity (above right) denoting the location of the storm that produced an EF1 tornado near Gillett around 5:55 pm CDT.

Here are some damage photos from the Gillett tornado:



Photos by NWS forecaster Phil Kurimski

TORNADO REFERENCE GUIDE – F/EF1 TORNADOES

Event 143: June 26, 2016

The EF1 tornado touched down 4.2 east southeast of Symco in Waupaca County around 1:30 AM CST. The tornado was 100 yards wide and traveled just over two and a half miles before dissipating 6.4 miles north northeast of Northport around 1:35 AM CST. At least half dozen trees were snapped along the path and several trees were uprooted. Several farm buildings were heavy damaged, with metal from the buildings strewn downwind hundreds of yards. A manufactured home was pushed off its block foundation.

Event 144: August 4, 2016

The EF1 tornado touched down a little over five miles of Colby (1.3 NNE Cherokee) in Marathon County around 10:20 AM CST. The tornado was 250 yards wide and affected sixteen homesteads and farms. One barn collapsed and three others sustained at least minor damage. Five homes sustained roof damage and several sheds were damaged or destroyed. A church steeple was damaged, and several dozen trees were snapped or uprooted. The average path wide was 125 yards with a maximum width of 250 yards. The tornado traveled just under four and a half miles before dissipating 4.4 miles south southwest of Stratford around 10:26 AM CST.

Event 145: April 9, 2017

The EF1 tornado touched about five miles south southwest of Taegesville (just west of Wausau) in Marathon County around 11:54 PM CST. The brief tornado developed in association with a small line of severe thunderstorms (straight line wind damage also reported) in Marathon County. Two structures sustained significant storm damage, with one building had its windows blown out along with roofing material ripped off the building. The other structure had a garage door blown off. Several other houses had minor damage. Around 100 mature pine trees were snapped. The tornado was approximately 100 yards wide and traveled just under a half of a mile before dissipating at 11:55 PM CST.

Event 146: June 14, 2017

The EF1 tornado touched down over two miles east-northeast of Wild Rose in Waushara County around 1:49 PM CST. As the tornado moved northeast, it uprooted or snapped 100 pines trees while several houses sustained significant roof damage from fallen trees. The tornado was 100 yards wide and traveled nearly three miles before dissipating just over three miles northwest of Saxeville.

Event 147: June 14, 2017

The EF1 tornado touched down just over two and a half miles southwest of Appleton in far northeastern Winnebago County near the village of Fox Crossing around 2:28 PM CST. In Winnebago County, the tornado damaged nearly two dozen trees and uprooted several others. One house sustained roof damage by a fallen tree. The tornado then moved into Outagamie County about 1.8 miles south of Appleton at 2:29 PM CST. The tornado continued into Outagamie County as an EF0 tornado. In Outagamie County, the tornado uprooted or snapped several dozen trees, some of which fell on houses along its path across the southeast side of Appleton. Two large industrial buildings suffered damage on Appleton's east side. One building's large HVAC system was blown off its roof and another large building had several overhead doors blow in and lost portions of its roof and a wall. A self-service car wash lost its roof in Kimberly. In Little Chute, a building had an HVAC unit damaged, and a couple of trees were knocked down. The tornado dissipated at 2:37 PM CST after crossing I-41 north of Kaukauna.

Event 148: June 14, 2017

The EF1 tornado touched down nearly two miles west of Nichols (rated EF0 in Outagamie County) around 2:40 PM CST. The tornado removed some shingles and siding off a house. The tornado moved out of Outagamie County about 1.4 miles north of Nichols. The tornado strengthened into an EF1 tornado just south of Navarino. In Shawano County, a detached garage/outbuilding was swept off its foundation. Another garage/outbuilding collapsed with the walls falling outward. A stand of pines across the street had a 75 yard-wide by 125 yards long area that were blown down and snapped in a convergent pattern. The tornado was 100 yards wide and traveled four miles before dissipating 1.2 west-northwest of Briarton around 2:45 PM CST.

TORNADO REFERENCE GUIDE – F/EF1 TORNADES

Event 149: June 14, 2017

The EF1 tornado touched down a mile southeast of Briarton in Shawano County around 2:45 PM CST. The tornado heavily damaged a wood and sheet-metal pole barn. A mobile home was destroyed as it tumbled off its block foundation. Portions of the home were blown nearly a quarter of a mile into a nearby field and trees. Several trees along the storm's path were uprooted or snapped. The tornado was seventy-five yards wide and traveled 5.1 miles before dissipating about a mile east-southeast of Landstad around 2:51 PM CST.

Event 150: June 14, 2017

The EF1 tornado touched down nearly two miles south-southeast of Angelica in Shawano County around 2:51 PM CST. The tornado ripped off a garage door and one side of the garage collapsed inward. Another nearby garage door collapsed, and one was heavily damaged. Also, a barn's roof collapsed. Several dozen trees were uprooted due to wet soils from recent heavy rain. The tornado was 150 yards wide and traveled nearly six miles before dissipating 1.7 miles southwest of Krakow around 2:59 PM CST.

Event 151: August 28, 2018

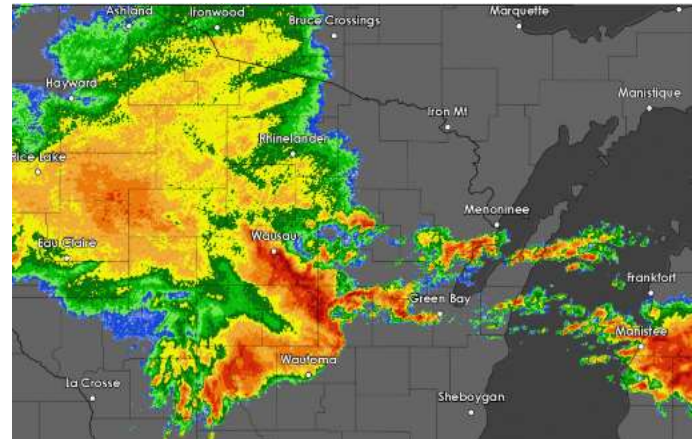
The EF1 tornado touched down around 3:34 PM CST just over two miles north-northwest of Kiel in Manitowoc County. The tornado developed near the Manitowoc/Calumet County line near Meggers Road which destroyed a barn and produced sporadic tree damage. The tornado was 75 yards wide and traveled near a mile before dissipating at 3:35 PM CST just over two miles north of Kiel.

Event 152: July 19, 2019

The EF1 tornado touched down one and a half miles south-southwest of Moon in Marathon County around 7:20 PM CST. The tornado produced damage to dozens of trees, damaged the roof of an outbuilding and demolished an old barn in the town of Knowlton. Peak winds were estimated near 90 mph. The tornado was part of a line of severe thunderstorms that rolled across north-central and northeast Wisconsin during the evening. The tornado was 100 yards wide and traveled nearly nine miles before dissipating around 7:30 PM CST nearly four miles east-northeast of Knowlton.



Tornado Track and Storm Damage



Radar Image

Event 153: July 20, 2019

The EF1 tornado touched down near one and a half miles south-southeast of Waupaca in Waupaca County around 9:55 AM CST. The tornado formed south of Waupaca and moved east-northeast to near White Lake. The tornado damaged siding and shingles on six homes and an apartment in a new subdivision near the Waupaca Airport. The garage door of a newer home was blown completely in, causing damage to the roof of the house. Another house had a small part of its roof heavily damaged. Numerous trees were also damaged along the path. Peak winds were estimated around 90 mph. The tornado was 80 yards wide and traveled about seven and a half miles before dissipating at 10:03 AM CST two miles east-southeast of White Lake.

TORNADO REFERENCE GUIDE – F/EF1 TORNADOES

Event 154: July 20, 2019

The EF1 tornado touched down around 10:18 AM CST nearly two and a half miles east of Hortonville in Outagamie County. The tornado damaged three power poles, destroyed a car port of an outbuilding, partially damaged two outbuildings, removed siding off a couple houses, and damaged trees along its path. Estimated peak winds were around 90 mph. The tornado was 5 yards wide and traveled around three and a half miles before dissipating around 10:22 AM CST just over three miles east-southeast of Stephenville.

Event 155: July 20, 2020



An EF1 tornado touched down three tenths of a mile south southwest of Star Lake in Vilas County around 6:44 PM CST. The tornado produced a path of tree damage from the eastern shore of Start Lake to the Upper Bucktabon Springs State Natural Area. Peak winds were estimated at 95 mph. The tornado was 400 yards wide and was on the ground for 6.2 miles before dissipating 4.7 miles west of Conover around 6:58 PM CST.

Video / Still Image by Christopher Hofmeister

Event 156: August 9, 2020

The EF1 tornado touched down near 3.8 miles east southeast of St. Germain in Vilas County around 7:28 PM CST. The tornado produced tree damage from east of St. Germain to southwest of Eagle River with intermittent touchdowns along the Wisconsin River. Peak winds were estimated around 90 mph. The tornado was 250 yards wide and had a path length of nearly three quarters of a mile before dissipating around 7:36 PM CST.

Event 157: August 9, 2020

The EF1 tornado touched down 4.3 miles east of Alvin in Forest County around 8:12 PM CST. The tornado damaged trees in the remote forest areas east of Alvin in extreme northeast Forest County. The tornado continued to damage trees across extreme northwest Florence County before dissipating near Caspian, Michigan around 8:22 PM CST.

Event 158: July 28, 2021

The EF1 tornado formed at 7:40 PM CST near Pine River or 4.8 miles southeast of Merrill in southern Lincoln County, damaging dozens of trees. The tornado continued south into Marathon County around 7:42 PM CST, damaging dozens of more trees before ending near the intersection of Shady Lane Road and Hazelwood Lane at 7:44 PM CST. The tornado path was estimated at 2.7 miles long, a maximum width of 300 yards and winds estimated around 90 mph.

Event 159: August 8, 2021

The brief EF1 tornado touched down at 2:52 PM CST in Pleasant Lake, or 3.7 miles south-southwest of Coloma in Waushara County. The tornado moved north for nearly 3.5 miles before dissipating 2:58 PM CST just over a mile west of Coloma. The tornado produced damage to trees and houses. The total path length was estimated nearly 3.5 miles long with a maximum width of 350 yards. Peak winds were estimated at 90 to 95 mph.

Event 160: August 10, 2021

The EF1 tornado touched down at 4:58 PM CST northwest of Black Creek, or 1.3 miles southeast of Stinson in Outagamie County. The tornado continued southeast, damaging trees and to the siding and roof of a house before dissipating at 5:11 PM CST. The total path length was estimated just over 2 miles with a maximum width of 40 yards. Peak winds were estimated to be around 90 mph.

TORNADO REFERENCE GUIDE – F/EF1 TORNADOES

Event 161: June 15, 2022

The EF1 tornado formed at 4:34 PM CST near Wittenberg in western Shawano County and continued northeast before dissipating at 4:46 PM CST near Bowler. Total path length is estimated at 9.5 miles long, with a maximum width of 125 yards. The peak wind was estimated around 110 mph.

Event 162: June 15, 2022

The EF1 tornado formed at 4:41 PM CST near West Bloomfield in northeast Waushara County. The tornado continued northeast before dissipating at 4:47 PM CST. The total path length was estimated at 4.8 miles long with a maximum width of 100 yards. The peak wind was estimated to be around 95 mph.

Event 163: June 15, 2022

The EF1 tornado formed at 4:46 PM CST within the Stockbridge-Munsee Community in western Shawano County and continued northeast before dissipating at 4:47 PM CST. The total path length was estimated to be nearly six tenths of a mile long and had a maximum width of 50 yards. The peak wind was estimated to be around 95 mph.

Event 164: June 15, 2022

The EF1 tornado formed at 4:52 PM CST near Manawa in central Waupaca County. The tornado continued northeast before dissipating at 4:56 PM CST near Symco. The total path length was estimated to be 3.1 miles long with a maximum width of 120 yards. The peak wind was estimated to be around 90 mph.

Event 165: June 15, 2022

The EF1 tornado formed at 5:09 PM CST near Leeman in north-central Outagamie County and then continued northeast entering Shawano County at 5:11 PM CST. The tornado dissipated near Navarino in eastern Shawano County at 5:18 PM CST. The tornado path length was estimated at 8.2 miles long with a maximum width of 80 yards. The peak wind speed was estimated at 94 mph.

Event 166: June 15, 2022

The EF1 tornado formed at 5:34 PM CST near Middle Inlet in central Marinette County and tracked northeast before dissipating at 5:41 PM CST near Wausaukee. The total path length was estimated at 6.6 miles with a maximum width of 200 yards. The peak wind was estimated to be around 93 mph.

Event 167: June 15, 2022

The EF1 tornado formed at 5:45 PM CST near Amberg in northern Marinette County and tracked east-northeast before dissipating at 5:54 PM CST. The total path length was estimated at 8.5 miles long with a maximum width of 120 yards. The peak wind was estimated to be around 95 mph.

Event 168: June 15, 2022

The EF1 tornado formed at 6 PM CST northeast of Pembine in extreme northeastern Marinette County and tracked east-northeast before dissipating around 6:04 PM CST. The total path length was estimated to be nearly seven tenths of a mile long with a maximum width of 115 yards. The peak wind was estimated to be around 104 mph.

TORNADO REFERENCE GUIDE – F/EF0 TORNAOES / WATERSPOUTS

Event	Date			Time		TOR in GRB Service Area
#	Month	Day	Year	(CST)	Direction / Location	County or Counties
1	5	28	1959	15:30	6 SW De Pere	Brown
2	6	23	1962	19:00	15 E Stevens Point	Portage
3	5	30	1964	13:28	Green Bay - Bellevue	Brown
4	7	25	1966	18:20	0.5 E Maplewood	Door
5	7	2	1969	16:00	Symco	Waupaca
6	5	21	1970	20:10	Green Bay - north side	Brown
7	6	17	1970	18:35	3 S Wisconsin Rapids	Wood
8	4	22	1971	17:30	4 SW Hilbert	Calumet
9	7	30	1971	07:00	4 E Oshkosh (waterspout)	Winnebago
10	6	14	1980	14:22	5 N Rhinelander	Oneida
11	7	3	1983	19:11	5 NE Nekoosa	Wood
12	4	27	1984	04:05	Saratoga	Wood
13	7	14	1984	20:35	1 SE Peshtigo	Marinette
14	7	26	1984	13:00-13:10	5 E Oshkosh (waterspout)	Winnebago
15	7	4	1985	17:03-17:17	1 N Redgranite - 1 SW Pine River	Waushara
16	8	12	1985	19:30-19:45	1 N Richford	Waushara
17	5	8	1988	17:12	3 W Keene	Portage
18	8	1	1988	18:20	3 S Hazelhurst	Oneida
19	8	1	1988	19:22	2 SE Eagle River	Vilas
20	9	19	1988	16:05	1 E Plainfield	Waushara
21	9	19	1988	16:37	1 W Edgar	Marathon
22	5	24	1989	21:15	1 E Cooperstown	Manitowoc
23	7	28	1991	10:15	Near Rock Island (waterspout)	Door
24	7	28	1991	10:15	Near Washington Island (waterspout)	Door
25	9	14	1991	18:00	2 W Green Valley	Shawano
26	6	17	1992	12:55	2 NE Denmark	Brown
27	6	8	1993	18:38	2.5 S Spring Lake - 2 W Auroville	Waushara
28	6	8	1993	19:15	0.5 E Dakota - 2 S Redgranite	Waushara
29	6	8	1993	19:35-19:45	5 SE Redgranite - 3 SE Auroville	Waushara
30	6	8	1993	17:35	1 E Pickett	Winnebago
31	8	9	1993	20:15	1 N Tripoli	Oneida
32	4	24	1994	15:25	3 S Luxemburg	Kewaunee
33	7	4	1994	16:49	4 W Fremont	Waupaca
34	6	29	1995	11:05	10 SW Kewaunee	Kewaunee
35	4	25	1996	17:55-17:57	2 W Pensaukee	Oconto
36	6	11	1996	16:08-16:09	5 NW Chilton	Calumet
37	7	18	1996	17:45	5 NE Oshkosh (waterspout)	Winnebago
38	7	18	1996	18:10	5.9 S Chilton	Calumet
39	7	18	1996	18:15-18:16	2.2 WNW - 1.8 W St Anna	Calumet
40	7	16	1997	15:00-15:02	4 SW - 4.2 SW Hogarty	Marathon
41	7	16	1997	15:00-15:01	3 N Sunset	Marathon
42	7	16	1997	15:20-15:22	2 N - 1.8 N Elderon	Marathon

TORNADO REFERENCE GUIDE – F/EF0 TORNAOES / WATERSPOUTS

Event #	Date			Time (CST)	Direction / Location	TOR in GRB Service Area
	Month	Day	Year			County or Counties
43	7	16	1997	16:41-16:42	Hancock	Waushara
44	3	29	1998	19:28-19:35	3 W - 3 N Tomahawk	Lincoln
45	5	31	1998	00:20-00:21	4 WSW Mosinee	Marathon
46	6	16	1998	15:00	3 WNW Coloma	Waushara
47	8	23	1999	15:22	Menasha	Winnebago
48	5	5	1999	16:30-16:31	1 WNW Tomahawk	Lincoln
49	8	3	1999	17:45	3 W Pittsville	Wood
50	8	4	1999	16:05-16:15	21 ESE Sturgeon Bay (waterspout)	Door
51	9	9	1999	14:55	3 N Sister Bay (waterspout)	Door
52	9	19	1999	16:46-17:10	8 SE Sturgeon Bay (waterspout)	Door
53	5	12	2000	10:43	5 WNW St. Nazianz	Manitowoc
54	7	13	2000	14:55	1.5 NE Forestville	Door
55	7	20	2000	12:58	2 W Sister Bay	Door
56	7	27	2000	19:07-19:10	1.5 W - 1.1 WSW Harmony	Marinette
57	7	27	2000	19:30	1.7 W Peshtigo	Marinette
58	8	14	2000	19:10	Lake Tomahawk	Oneida
59	4	23	2001	13:26-13:46	12 NW - 9 NW Sturgeon Bay (waterspout)	Door
60	9	6	2001	18:09-18:14	0.3 SSW Pelican Lake - 1.3 NNE Pelican Lake	Oneida
61	4	18	2002	15:49	2 W Bradley	Lincoln
62	4	18	2002	15:57	6 SW Woodboro	Oneida
63	4	18	2002	16:33	4 E Rhinelander	Oneida
64	4	18	2002	18:32	6 SSW Wausau Airport	Marathon
65	5	6	2002	16:30-16:40	5 NW - 2.5 N Winneconne	Winnebago
66	5	6	2002	17:02	8 N Oshkosh - Wittman Field	Winnebago
67	7	30	2002	17:47-17:50	10.5- 9.5 NW Merrill	Lincoln
68	7	30	2002	18:08-18:28	5 N - 9.5 NE Merrill	Lincoln
69	7	30	2002	18:22-18:28	3 W - 0.8 W Central Wisconsin Airport	Marathon
70	7	30	2002	18:25	8.5 NE Merrill	Lincoln
71	9	2	2002	17:04-17:06	5.2 W - 5 W Athens	Marathon
72	6	8	2003	11:40	4 W Oshkosh - Wittman Field	Winnebago
73	6	8	2003	12:20-12:26	5 E - 5.5 ESE Oshkosh Wittman Field	Winnebago
74	6	8	2003	12:42-12:46	4.3 W - 4.1 WSW Brothertown	Calumet
75	6	8	2003	12:59-13:02	4 S - 4.1 S Marshfield Airport	Wood
76	5	23	2004	05:47	2.7 E Reedsville	Manitowoc
77	6	23	2004	18:47	Whiting	Portage
78	6	23	2004	20:27	Green Bay – northwest	Brown
79	7	11	2004	14:42-14:45	8 SW Harshaw	Oneida
80	7	11	2004	15:43	1 W Goodnow	Oneida
81	7	11	2004	15:45	Irma	Lincoln
82	7	11	2004	16:13	6 W Tomahawk	Lincoln
83	7	11	2004	16:13	6 W Tomahawk	Lincoln
84	7	11	2004	16:40	4 W Tomahawk	Lincoln

TORNADO REFERENCE GUIDE – F/EF0 TORNAOES / WATERSPOUTS

Event #	Date			Time (CST)	Direction / Location	TOR in GRB Service Area
	Month	Day	Year			County or Counties
85	5	6	2005	15:24-15:25	7 ESE - 7.8 ESE Oshkosh - Wittman Field	Winnebago
86	5	6	2005	15:25-15:29	5 WSW - 3.7 SW Brothertown	Calumet
87	6	4	2005	13:54	1 E - 1.1 ENE Auroraville	Waushara
88	6	4	2005	14:05	2 NW Borth	Waushara
89	6	4	2005	15:27	4 W - 4.5 WNW Edgar	Marathon
90	6	4	2005	15:39-15:42	1 W - 1.5 NW Athens	Marathon
91	6	4	2005	17:06	4 S Athens	Marathon
92	6	4	2005	17:20	3 W Marathon	Marathon
93	6	4	2005	17:30	5 E Kewaunee (waterspout)	Marathon
94	6	4	2005	19:18	7 S Hogarty	Marathon
95	6	9	2005	17:40-17:50	5 SE - 5 E Oshkosh	Winnebago
96	6	9	2005	18:14	4 NW Stockbridge	Calumet
97	6	10	2005	13:03	4 W Mosinee	Marathon
98	6	10	2005	15:05	1 N Winneconne	Winnebago
99	6	10	2005	15:10	2 W Clintonville	Waupaca
100	6	10	2005	19:10	4 ESE Oshkosh	Winnebago
101	6	10	2005	19:22	3 E Oshkosh	Winnebago
102	6	10	2005	19:48	3 E Oshkosh	Winnebago
103	6	13	2005	14:49-14:50	4.1 NNE - 4 NNE Black Creek	Outagamie
104	8	18	2005	17:32	6 WSW - 3.7 SW Wautoma	Waushara
105	8	18	2005	18:38-18:41	4 SSW- 3.4 SW New London	Waupaca
106	8	18	2005	18:40-18:48	4.5 W - 2.6 NW Neenah	Winnebago
107	9	13	2005	17:09-17:12	De Pere to Allouez	Brown
108	6	18	2006	16:43	3 NW Sister Bay (waterspout)	Door
109	6	24	2006	16:14-16:15	4 W Sherwood	Calumet
110	9	29	2006	09:20-09:55	Chambers Island – 12 SE Cedar River (waterspout)	Door
111	6	3	2007	18:11	1.6 ESE Shawano	Shawano
112	6	7	2007	15:26	2.2 W - 2.1 W Wisconsin Rapids Airport	Wood
113	6	20	2007	16:06	6 NW Ellison Bay (waterspout)	Door
114	5	25	2008	20:00-20:01	3 ENE Knowlton	Marathon
115	7	29	2008	15:27	3.6 NW Granite Heights	Marathon
116	7	29	2008	15:59-16:00	6.3 NNW of Kalinke	Marathon
117	7	29	2008	17:44-17:49	4.2 SE Nasonville - 4.7 WNW Bethel	Wood
118	5	4	2010	18:13-18:17	2.2 SSW Winchester - 0.8 NNW Larsen	Winnebago
119	7	14	2010	16:18-16:19	2.5 WSW Veedum - 2.2 WSW Veedum	Wood
120	5	22	2011	18:05	5 NE Algoma (waterspout)	Kewaunee
121	8	23	2011	16:58	0.3 NW Arpin	Wood
122	8	23	2011	17:56-17:57	0.9 - 1.1 SE Briarton	Shawano
123	8	23	2011	20:05-20:06	0.8 ENE - 1.3 E Sherwood	Calumet
124	5	24	2012	18:01-18:07	3.7 SSE - 4.8 ENE Marathon	Marathon
125	8	9	2012	12:10-12:20	6 S Kewaunee	Kewaunee

TORNADO REFERENCE GUIDE – F/EF0 TORNADES / WATERSPOUTS

Event	Date			Time		TOR in GRB Service Area
#	Month	Day	Year	(CST)	Direction / Location	County or Counties
126	8	9	2012	12:25-12:35	6 S Kewaunee	Kewaunee
127	9	18	2012	17:01	3 W Sister Bay	Door
128	7	9	2013	13:59-14:04	0.5 NE Schultz - 3.9 W Bloomville	Lincoln
129	7	9	2013	14:32-14:56	10.8 S Parrish - 3.1 W Deerbrook	Langlade
130	7	9	2013	16:44-16:45	4.2 S Bancroft	Portage
131	7	9	2013	18:50-18:54	4.4 NNE Oconto - 5.2 NNE Oconto	Oconto
132	7	27	2014	18:05	3.5 SE Oshkosh Wittman Field (waterspout)	Winnebago
133	8	18	2014	15:23-15:25	3.3 NE Winchester - 4.0 NNE Larsen	Winnebago
134	5	17	2015	14:31-14:40	1.6 WSW Morgan - 3.4 NE Morgan	Shawano
135	6	15	2015	14:09-14:10	1.5 NNW Glenmore - 1.4 NNW Glenmore	Brown
136	7	6	2015	16:03-16:04	1.1 E Pella Airport	Waupaca
137	6	4	2016	18:00-18:01	0.9 NE Shawano Lake	Shawano
138	6	10	2016	19:00-19:03	1.3 SW Mackville - 1.8 S Mackville	Outagamie
139	6	15	2016	17:47-17:49	3.3 WSW Harrison - 2.6 NW Stockbridge	Calumet
140	6	30	2016	18:16	0.8 WSW Poniatowski	Marathon
141	8	20	2016	09:03-09:06	1.1 W - 0.8 NW Kewaunee	Kewaunee
142	5	16	2017	19:12-19:13	5.9 - 5.5 WSW Enterprise	Oneida
143	6	14	2017	12:47	2 NE Gresham	Shawano
144	6	14	2017	14:30-14:34	2.9 SSW Mackville - 2 SE Mackville	Outagamie
145	6	14	2017	14:31-14:38	3.1 ENE Bear Creek - 2.3 WNW Leeman	Outagamie
146	6	14	2017	14:53-14:55	2 NW Hofa Park - 0.7 NE Frazier	Shawano
147	6	14	2017	14:53-14:55	1.2 SW Morrison - Morrison	Brown
148	6	14	2017	19:30-19:32	2.2 S Custer - 2.3 NNE Arnott	Portage
149	7	20	2018	11:55-11:56	1.4 NW Silver Lake	Waushara
150	10	3	2018	18:08-18:09	1.2 SW - 0.7 SSE Mattoon	Shawano
151	7	16	2019	16:35-16:36	3.2 NNE Hancock - 3.1 NNE Hancock	Waushara
152	7	19	2019	17:47-18:00	7.5 NNW Spirit Falls - 6.8 NW Tomahawk	Lincoln
153	7	19	2019	18:49-18:58	5.5 SW Lake George - 2.4 NW Enterprise	Oneida
154	7	20	2019	10:00-10:02	0.6 SSW Weyauwega - 1.1 E Weyauwega	Waupaca
155	7	20	2019	10:09-10:20	1.8 SSW New London - 2.9 SW Shiocton	Outagamie, Waupaca
156	7	20	2019	10:22-10:23	1.9 NE Greenville - 2.6 NE Greenville	Outagamie
157	7	20	2019	10:36-10:38	3.2 ENE Little Chute - 4.3 ENE Little Chute	Outagamie
158	8	7	2019	16:48-16:57	2.3 SE Green Bay - 1.9 N Pine Grove	Brown
159	10	15	2019	13:00-13:01	Deaths Door	Door
160	6	20	2020	16:01-16:02	0.7 N - 0.9 N Butte des Morts	Winnebago
161	6	20	2020	16:23-16:27	1.1 SSW - 0.5 SE Butte des Morts	Winnebago
162	6	20	2020	16:35-16:41	6.2 SE Oshkosh Wittman Field	Winnebago
163	7	28	2021	20:18-20:19	0.4 - 0.6 SSE Peplin	Marathon
164	7	28	2021	22:06-22:08	1.9 W - 1.8 WSW Borth	Waushara
165	8	11	2021	13:08-13:09	1 SW- 0.8 SSW Angelica	Shawano
166	8	11	2021	13:14-13:22	0.8 WNW - 1.5 E Pulaski	Brown

TORNADO REFERENCE GUIDE – F/EF0 TORNADOES / WATERSPOUTS

Event 1: May 28, 1959

The F0 tornado touched down 6 miles southwest of De Pere in Brown County around 3:30 PM CST.

Event 2: June 23, 1962

The F0 tornado touched down 15 miles east of Stevens Point in Portage County around 7 PM CST.

Event 3: May 30, 1964

The F0 tornado momentarily touched down in a field northeast of Bellevue in Brown County around 1:28 PM CST. The tornado was less than 50 yards wide and traveled about a mile before dissipating.

Event 4: July 25, 1966:

The F0 tornado touched down about a half mile east of Maplewood in Door County around 6:20 PM CST. The tornado was 20 yards wide and traveled approximately two miles. An interesting note to the local storm report from July 1966 indicated a strong waterspout was noted over the Bay of Green Bay. According to the local storm report, a waterspout lifted several boats out of the water dropping one on a car at Ephraim. It also dropped twelve large trees down at Gordon Lodge. This tornado/waterspout was not documented in this study.

Event 5: July 2, 1969

The F0 tornado touched down in Symco in Waupaca County around 4 PM CST. The tornado was 100 yards wide and traveled 4.3 miles before dissipating. The tornado produced extensive damage to buildings on the Howard Winter farm between Manawa and Big Falls. Utility wires were also damaged along Highway 22 near Symco.

Event 6: May 21, 1970:

An airplane pilot reported the F0 tornado just northeast of Green Bay along the shores of the bay of Green Bay in Brown County around 8:10 PM CST. The tornado became a waterspout about four miles northeast of Green Bay. The tornado/waterspout was less than 50 yards wide and was on the ground for about two miles

Event 7: June 17, 1970

The F0 touched down briefly 3 miles south of Wisconsin Rapids in Wood County around 6:35 PM CST. The tornado was 100 yards wide and only traveled a tenth of a mile. According to the monthly storm report, the tornado touched down in open country.

Event 8: April 22, 1971

The F0 tornado touched down briefly 4 miles southwest of Hilbert in Calumet County around 5:30 PM CST. The tornado was 25 yards wide and traveled three tenths of a mile.

Event 9: July 30, 1971

Numerous F0 waterspouts were reported about 4 miles east of Oshkosh in Winnebago County around 7 AM CST. The waterspouts formed east of Oshkosh as cold air with large cyclonic vorticity moved over the warm lake according to the monthly storm report.

Event 10: June 14, 1980

The F0 tornado was reported 5 miles north of Rhinelander by the Oneida County sheriff's department at 2:22 PM CST. The brief tornado touched down in a rural area. There was no documentation on path length or width of the tornado.

TORNADO REFERENCE GUIDE – F/EF0 TORNADOES / WATERSPOUTS

Event 11: July 3, 1983:

The F0 tornado briefly touched down 5 miles northeast of Nekoosa in Wood County around 7:11 PM CST. The tornado was approximately 10 yards wide and traveled three tenths of a mile before dissipating.

Event 12: April 27, 1984:

The F0 tornado briefly touched down in the township of Saratoga in Wood County around 4:05 AM CST. The tornado was 50 yards wide and traveled a mile before dissipating. Numerous trees were downed, and some residential damage occurred. Hail the size of three quarters of an inch also fell during the storm.

Event 13: July 14, 1984

The F0 touched down near County trunks BB and B one mile southeast of Peshtigo in Marinette County around 8:35 PM CST. The tornado was 25 yards wide and traveled only a tenth of a mile. Numerous trees and power lines were downed and there was minor damage to a home.

Event 14: July 26, 1984

The F0 waterspout was noted 5 miles east of Oshkosh on Lake Winnebago in Winnebago County between 1 PM and 1:10 PM CST.

Event 15: July 4, 1985:

The F0 tornado touched down one mile north of Redgranite in Waushara County around 5:03 PM CST. The tornado was 50 yards wide and skipped along for 5 miles before dissipating one mile southwest of Pine River around 5:17 PM CST. The tornado damaged a house one mile southwest of Pine River. The storm also produced hail up to three and a half inches in the Richford and Hancock areas. The large hail dented 47 new cars at a dealership in Coloma.

Event 16: August 12, 1985

The F0 tornado touched down one mile north of Richford in Waushara County around 7:30 PM CST. The tornado was 100 yards wide and traveled a half mile before dissipating. The tornado flattened 2 barns, damaged 5 homes and leveled many trees. Several sheds in Richford were destroyed and extensive window and roof damaged occurred.

Event 17: May 8, 1988

The F0 tornado touched down in rural areas 3 miles west of Keene in Portage County around 5:12 PM CST. The tornado was 25 yards wide and traveled a mile before dissipating.

Event 18: August 1, 1988

The brief F0 tornado occurred 3 miles south of Hazelhurst in Oneida County around 6:20 PM CST. The tornado was 25 yards wide and only traveled a tenth of a mile. The tornado damaged some trees.

Event 19: August 1, 1988

The brief F0 tornado occurred 2 miles southeast of Eagle River in Vilas County around 7:22 PM CST. The tornado was 25 yards wide and traveled three tenths of a mile. The tornado damaged some trees.

Event 20: September 19, 1988

The brief F0 tornado developed one mile east of Plainfield in Waushara County at 4:05 PM CST. The tornado was 25 yards wide and only traveled a tenth of a mile. Little damage noted in the monthly storm report.

TORNADO REFERENCE GUIDE – F/EF0 TORNADOES / WATERSPOUTS

Event 21: September 19, 1988

The brief F0 tornado developed one mile west of Edgar in Marathon County at 4:37 PM CST. The tornado was 25 yards wide and only traveled a tenth of a mile. Little damage noted in the monthly storm report.

Event 22: May 24, 1989

The brief F0 tornado touched down one mile east of Cooperstown in Manitowoc County at 9:15 PM CST. The tornado was 50 yards wide and traveled two tenths of a mile before dissipating.

Event 23: July 28, 1991

The F0 waterspout was reported near Rock Island at 10:15 AM CST. A second waterspout was reported near Washington Island.

Event 24: July 28, 1991

The F0 waterspout was reported near Washington Island around 10:15 AM CST. A second waterspout was reported near Rock Island around the same time.

Event 25: September 14, 1991

The F0 tornado touched down briefly 2 miles west of Green Valley in Shawano County around 6:00 PM CST. The tornado was 25 yards wide and only traveled a tenth of a mile. Damage was confined to some trees and a pair of sheds.

Event 26: June 17, 1992

The F0 tornado briefly touched down in an open field 2 miles northeast of Denmark in Brown County around 12:55 PM CST. The tornado was 25 yards wide and only traveled a tenth of a mile.

Event 27: June 8, 1993

Three weak tornadoes touched down across Waushara County during the evening. The F0 tornado developed two and a half miles south of Spring Lake around 6:38 PM CST. The tornado was 25 yards wide and traveled 8 miles before dissipating at 6:55 PM CST two miles west of Auroraville. Only minor damage was noted.

Event 28: June 8, 1993

Three weak tornadoes touched down across Waushara County during the evening. The F0 tornado developed a half mile east of Dakota around 7:15 PM CST. The tornado was 35 yards wide and traveled 12 miles before dissipating around 7:35 PM CST two miles south of Redgranite. Only minor damage was noted.

Event 29: June 8, 1993

Three weak tornadoes touched down across Waushara County during the evening. The F0 tornado touched down 5 miles southeast of Redgranite around 7:35 PM CST. The tornado was 25 yards wide and traveled 6 miles before dissipating at 7:45 PM three miles southeast of Auroraville. Only minor damage was noted.

Event 30: June 8, 1993

The F0 small tornado briefly touched down in an open field one mile east of Pickett in Winnebago County around 5:35 PM CST. The tornado was 25 yards wide and traveled a tenth of a mile.

Event 31: August 9, 1993

The F0 tornado touched down one mile north of Tripoli in Oneida County around 8:15 PM CST. The tornado was 50 yards wide and traveled three tenths of a mile. Little damage was noted with this tornado.

TORNADO REFERENCE GUIDE – F/EF0 TORNADOES / WATERSPOUTS

Event 32: April 24, 1994

The F0 tornado touched down 3 miles south of Luxemburg in Kewaunee County around 3:25 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. No damage was reported with this storm.

Event 33: July 4, 1994

The F0 tornado touched down 4 miles west of Fremont in Waupaca County around 4:49 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado did not produce any significant damage.

Event 34: June 29, 1995

The F0 tornado touched down 10 miles southwest of Kewaunee in Kewaunee County around 11:05 AM CST. The tornado was 10 yards wide and traveled a tenth of a mile. The weak tornado touched down only for a few seconds in southern Kewaunee County. Minimal crop damage was reported since this brief tornado occurred in open rural country. The tornado appeared to form on the Lake Michigan lake breeze.

Event 35: April 25, 1996

A cold-core F0 tornado briefly touched down 2 miles west of Pensaukee in Oconto County around 5:55 PM CST. The tornado was 40 yards wide and traveled a tenth of a mile before dissipating around 5:57 PM CST. Several 6 to 8 inches diameter birch trees were knocked down.

Event 36: June 11, 1996

The F0 tornado briefly touched down 5 miles northwest of Chilton in Calumet County near the intersection of County Trunk BB and Killsnake Road around 4:08 PM CST. The tornado was 30 yards wide and was on the ground for a tenth of a mile before dissipating around 4:09 PM CST. The tornado threw a pile of lumber 30 feet in the air, tore shingles off a shed and broke a window.

Event 37: July 18, 1996

The F0 waterspout was spotted 5 miles east of Oshkosh over Lake Winnebago in Winnebago County around 5:45 PM CST.

Event 38: July 18, 1996

The F0 developed 5.9 miles south of Chilton in Calumet County around 6:10 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado moved over a squad car, violently shaking it about. The tornado flattened portions of two nearby wheat fields.

Event 39: July 18, 1996

The F0 tornado developed 2.2 miles west northwest of St. Anna in Calumet County around 6:15 PM CST. The tornado was 50 yards wide and traveled a half mile before dissipating 1.8 miles west of St. Anna around 6:16 PM CST. The tornado damaged one farm, numerous trees, and some crops. Calf houses at the farm were thrown 1,000 feet. The tornado entered Fond Du Lac County 1.6 miles southeast of Jericho and then reentered Calumet County 2.2 west north of St. Anna.

Event 40: July 16, 1997

The F0 tornado developed 4 miles southwest of Hogarty in Marathon County around 3 PM CST. The tornado was 75 yards wide and traveled two tenths of a mile before dissipating 4.2 miles southwest of Hogarty around 3:01 PM CST.

Event 41: July 16, 1997

The F0 tornado touched down 3 miles north of Sunset in Marathon County around 3 PM CST. The tornado was 15 yards wide and was on the ground for a tenth of a mile before dissipating at 3:01 PM CST.

TORNADO REFERENCE GUIDE – F/EF0 TORNADOES / WATERSPOUTS

Event 42: July 16, 1997

The F0 tornado touched down 2 miles north of Elderon in Marathon County around 3:20 PM CST. The tornado was 75 yards wide and traveled two tenths of a mile before dissipating 1.8 miles north of Elderon around 3:22 PM CST.

Event 43: July 16, 1997

The F0 tornado touched down in Hancock in Waushara County at 4:41 PM CST. The tornado was 10 yards wide and traveled a tenth of a mile before dissipating at 4:42 PM CST. The tornado touched down in an open field in Hancock.

Event 44: March 29, 1998

The F0 tornado touched down in 3 miles west of Tomahawk in Lincoln County at 7:28 PM CST. The tornado was 75 yards wide and traveled four and a half miles before dissipating 3 miles north of Tomahawk at 7:35 PM CST. The tornado damaged several sheds, garages and a pole building west of Tomahawk. The storm also downed many power poles, disrupting power to thousands of customers.

Event 45: May 31, 1998

The brief F0 tornado touched down 4 miles west southwest of Mosinee in Marathon County at 12:20 AM CST. The tornado was 50 yards wide and was on the ground for two tenths of a mile before it dissipated 3.8 miles west southwest of Mosinee at 12:21 AM CST.

Event 46: June 16, 1998

The F0 was designated a landspout in the monthly storm report. The tornado touched down 3 miles west northwest of Coloma in Waushara County at 3 PM CST. The tornado was 20 yards wide and was on the ground for a tenth of a mile. No damage was reported.

Event 47: August 23, 1998

The brief F0 tornado touched down near Menasha in Winnebago County at 3:22 PM CST. The tornado was 10 yards wide and traveled a tenth of a mile before dissipating. No damage was noted on the monthly storm report.

Event 48: May 5, 1999

The F0 tornado touched down one-mile west northwest of Tomahawk in Lincoln County at 4:30 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile before dissipating at 4:31 PM CST.

Event 49: August 3, 1999

The F0 tornado briefly touched down 3 miles west of Pittsville in Wood County at 5:45 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile. The tornado knocked down trees 3 miles west of Pittsville.

Event 50: August 4, 1999

The F0 waterspout was reported by a vessel on the lake 21 miles east southeast of Sturgeon Bay at 4:05 PM CST. The crew of the vessel observed two other waterspouts about 21 miles east southeast of Sturgeon Bay. The U.S. Coast Guard relayed the report they received from the vessel on the lake.

Event 51: May 12, 2000:

The F0 tornado touched down 5 miles west northwest of St. Nazianz in Manitowoc County at 10:43 AM CST. The tornado was 50 yards wide and was on the ground for a tenth of a mile. No damage was reported with the tornado. The thunderstorms that produced the tornado were some of the most devastating thunderstorms to move across northeast Wisconsin. The combination of 100 mph straight line winds and 2 inch-hail produced serious damage in St. Nazianz. Thirty people were injured by the storm in Manitowoc County with 100 homes destroyed by the wind and hail.

TORNADO REFERENCE GUIDE – F/EF0 TORNADOES / WATERSPOUTS

Event 52: September 19, 1999

The crew of a ship off the Door County shoreline, 8 miles southeast of Sturgeon Bay, spotted an F0 waterspout at 4:46 PM CST and then dissipated around 5:10 PM CST. There may have been other waterspouts in the vicinity of the one reported.

Event 53: May 12, 2000:

The brief F0 tornado touched down 5 miles west northwest of St. Nazianz around 10:43 AM CST. The tornado was 50 yards wide and was on the ground for a tenth of a mile. No damage was reported with the tornado. The thunderstorms that produced the tornado were some of the most devastating thunderstorms to move across northeast Wisconsin. The combination of 100 mph straight line winds and 2 inch-hail produced very serious damage in St. Nazianz. Thirty people were injured by the storm in Manitowoc County with 100 homes destroyed by the wind and hail.

Event 54: July 13, 2000

The F0 tornado touched down 1.5 miles northeast of Forestville in Door County at 2:55 PM CST. The tornado was 50 yards wide and was on the ground for a tenth of a mile. The monthly local storm report did not indicate any damage.

Event 55: July 20, 2000:

Boaters spotted an F0 waterspout two miles west of Sister Bay at 12:58 PM CST.

Event 56: July 27, 2000

The F0 tornado first touched down 1.5 miles west of Harmony in Marinette County at 7:07 PM CST. The tornado was 50 yards wide and was on the ground for four tenths of a mile before it dissipated 1.1 miles west southwest of Harmony at 7:10 PM CST. Another EF0 tornado occurred at 7:30 PM CST 1.7 miles west of Peshtigo. The first tornado report was received even before the storm became visible on radar.

Event 57: July 27, 2000

The brief F0 tornado touched down 1.7 miles west of Peshtigo in Marinette County at 7:30 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile.

Event 58: August 14, 2000

The brief F0 tornado touched down at Lake Tomahawk in Oneida County at 7:10 PM CST. The tornado was 25 yards wide and was on the ground a tenth of a mile. The tornado damaged trees in the Lake Tomahawk area.

Event 59: April 23, 2001

The waterspout F0 developed 6 miles west southwest of Fairland around 1:26 PM CST. The waterspout moved north along the shoreline before it dissipated 9 miles northwest of Sturgeon Bay.

Event 60: September 6, 2001

The F0 tornado touched down three tenths of a mile south southwest of Pelican Lake in Oneida County around 6:09 PM CST. The tornado was 30 yards wide and was on the ground for a half mile before dissipating 1.3 miles north northeast of Pelican Lake around 6:14 PM CST. The tornado caused minor damage to the Pelican Lake Supper Club, blew the roof off a nearby house and destroyed a garage. The tornado also caused minor damage to the Pelican Lake Town Hall and uprooted several trees.

Event 61: April 18, 2002

The brief F0 tornado touched down 2 miles west of Bradley in Lincoln County at 3:49 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado snapped several trees.

TORNADO REFERENCE GUIDE – F/EF0 TORNADOES / WATERSPOUTS

Event 62: April 18, 2002

The brief F0 tornado touched down 6 miles southwest of Woodboro in Oneida County at 3:57 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado snapped several trees.

Event 63: April 18, 2002

The brief F0 tornado touched down 4 miles east of Rhinelander in Oneida County around 4:33 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado snapped several trees.

Event 64: April 18, 2002

The brief F0 tornado touched down 6 miles south southwest of the Wausau Airport in Marathon County around 6:32 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado snapped several trees.

Event 65: May 6, 2002

The F0 tornado touched down 5 miles northwest of Winneconne in Winnebago County around 4:30 PM CST. The tornado was 50 yards wide and traveled four miles on the ground before dissipating 2.5 miles north of Winneconne around 4:40 PM CST. The tornado moved across Lake Winneconne.

Event 66: May 6, 2002

The brief F0 tornado touched down 8 miles north of Wittman Field in Oshkosh in Winnebago County at 5:02 PM CST. The tornado was 20 yards wide and was only on the ground for a tenth of a mile. No damage was noted with the tornado.

Event 67: July 30, 2002

The F0 tornado touched down ten and a half miles west of Merrill in Lincoln County around 5:47 PM CST. The tornado was 150 yards wide and skipped along the ground for 1.2 miles before dissipating nine and a half miles west of Merrill around 5:50 PM CST.

Event 68: July 30, 2002

The F0 tornado developed 5 miles north of Merrill in Lincoln County at 6:08 PM CST. The tornado was 200 yards wide and traveled on the ground for 9 miles before dissipating nine and a half miles northeast of Merrill at 6:28 PM CST. The tornado destroyed a barn and another structure, tearing roofs from some buildings and moving others from their foundation.

Event 69: July 30, 2002

The F0 tornado developed 3 miles west of the Central Wisconsin Airport in Marathon County at 6:22 PM CST. The tornado was 100 yards wide and traveled just over 2 miles on the ground before dissipating eight tenths of a mile west of the Central Wisconsin Airport at 6:28 PM CST. The tornado caused significant tree damage on a hill east of the Wisconsin River.

Event 70: July 30, 2002

The F0 tornado formed 8.5 miles northeast of Merrill in Lincoln County at 6:25 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado demolished a mobile home and snapped trees and tree limbs.

Event 71: September 2, 2002

The F0 tornado touched down 5.2 miles west of Athens in Marathon County at 5:04 PM CST. The tornado was 75 yards wide and was on the ground for two tenths of a mile before dissipating at 5:06 PM CST. The tornado caused minimal damage.

TORNADO REFERENCE GUIDE – F/EF0 TORNADOES / WATERSPOUTS

Event 72: June 8, 2003

The brief F0 tornado touched down 4 miles west of Oshkosh in Winnebago County at 11:40 AM CST. The tornado was 15 yards wide and traveled a tenth of a mile before dissipating.



Event 73: June 8, 2003

The F0 waterspout was photographed about 5 miles east of Oshkosh Wittman Field in Winnebago County at 12:20 PM CST. The waterspout was 40 yards wide and traveled a half mile before dissipating 5.5 miles east southeast of Oshkosh Wittman Field. The waterspout was observed by numerous participants of a fishing tournament that was taking place on the lake.

Photo by Troy Peterson

Event 74: June 8, 2003

The F0 waterspout was reported 4.3 miles west of Brothertown in Calumet County at 12:42 PM CST. The waterspout was 40 yards wide and traveled four tenths of a mile before dissipating 4.1 miles west southwest of Brothertown at 12:46 PM CST.

Event 75: June 8, 2003

The F0 tornado touched down 4 miles south of the Marshfield Municipal Airport in Marshfield in Wood County at 12:59 PM CST. The tornado was 50 yards wide and traveled a tenth of a mile before dissipating 4.1 miles south of the Marshfield Municipal Airport at 1:02 PM CST. The tornado tore siding from a garage, broke windows, destroyed a playhouse, a dog-house and blew two 50 pound barrels 200 yards away.

Event 76: May 23, 2004

The F0 tornado touched down 2.7 miles east of Reedsville in Manitowoc County at 5:47 AM CST. The tornado was 75 yards wide and was on the ground for a tenth of a mile. The tornado damaged shingles and siding on a house and snapped trees and large branches.

Event 77: June 23, 2004

The F0 tornado touched down in Whiting in Portage County at 6:47 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile. The tornado caused minor tree damage in an industrial park in Whiting. Eyewitnesses observed water being sucked out of a pond at the same time as doors to an office was sucked open.

Event 78: June 23, 2004

The brief F0 tornado touched down on the northwest side of Green Bay in Brown County at 8:27 PM CST. The tornado was 10 yards wide and traveled a tenth of a mile. The tornado caused some tree damage.

Event 79: July 11, 2004

The brief F0 tornado touched down 8 miles southwest of Harshaw in Oneida County at 2:42 PM CST. The tornado was 60 yards wide and was on the ground for two tenths of a mile before dissipating at 2:45 PM CST. The tornado topped numerous trees onto power lines and damaged a pontoon boat.

Event 80: July 11, 2004

The brief F0 tornado touched down one mile west of Goodnow in Oneida County at 3:43 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile.

TORNADO REFERENCE GUIDE – F/EF0 TORNADOES / WATERSPOUTS

Event 81: July 11, 2004

The brief F0 tornado touched down in Irma in Lincoln County at 3:45 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile.

Event 82: July 11, 2004

The brief F0 tornado touched down 6 miles west of Tomahawk in Lincoln County at 4:13 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile. A pair of tornadoes touched down simultaneously west of the Tomahawk Airport.

Event 83: July 11, 2004

The brief F0 tornado touched down 6 miles west of Tomahawk in Lincoln County at 4:13 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile. A pair of tornadoes touched down simultaneously west of the Tomahawk Airport.

Event 84: July 11, 2004

The brief F0 tornado touched down 4 miles west of Tomahawk in Lincoln County at 4:40 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile.

Event 85: May 6, 2005

The F0 waterspout touched down 7 miles east southeast of Oshkosh Wittman Field in Winnebago County at 3:24 PM CST. The waterspout was 50 yards wide and was on the ground for eight tenths of a mile before dissipating 7.8 miles east southeast of Oshkosh Wittman Field at 3:25 PM CST.

Event 86: May 6, 2005

The F0 waterspout touched down 5 miles west southwest of Brothertown in Calumet County at 3:25 PM CST. The waterspout was 50 yards wide and was on the water for over a mile and a half before dissipating 3.7 miles southwest of Brothertown at 3:29 PM CST.

Event 87: June 4, 2005

The F0 touched down one mile east of Auroraville in Waushara County at 1:54 PM CST. The tornado was 75 yards wide and was on the ground for two tenths of a mile. No significant damage was noted from this tornado.

Event 88: June 4, 2005

The F0 touched down 2 miles northwest of Borth in Waushara County at 2:05 PM CST. The tornado was 50 yards wide and was on the ground for a tenth of a mile. No significant damage was noted from this tornado.

Event 89: June 4, 2005

The F0 touched down 4 miles west of Edgar in Marathon County at 3:27 PM CST. The tornado was 75 yards wide and was on the ground for 1.2 miles before dissipating four and a half miles west northwest of Edgar at 3:29 PM CST. No damage was noted in the month storm report for this tornado.

Event 90: June 4, 2005

The F0 touched down a mile west of Athens in Marathon County at 3:39 PM CST. The tornado was 100 yards wide and was on the ground for 1.3 miles before the tornado dissipated a mile and a half northwest of Athens at 3:42 PM CST. The tornado downed some trees, flattened a barn, and tore the roof from another barn.

Event 91: June 4, 2005

The F0 touched down 4 miles south of Athens in Marathon County at 5:06 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The monthly local storm report did not indicate any damage from this tornado.

TORNADO REFERENCE GUIDE – F/EF0 TORNADOES / WATERSPOUTS

Event 92: June 4, 2005

The F0 touched down 3 miles west of Marathon in Marathon County at 5:20 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The monthly local storm report did not indicate any damage from this tornado.

Event 93: June 4, 2005

The F0 waterspout touched down on Lake Michigan 5 miles east of Kewaunee at 5:30 PM CST.

Event 94: June 4, 2005

The F0 tornado touched down 7 miles south of Hogarty in Marathon County at 7:18 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The monthly local storm report did not indicate any damage from this tornado.

Event 95: June 9, 2005

The F0 waterspout touched down 5 miles southeast of Oshkosh on Lake Winnebago in Winnebago County at 5:40 PM CST. The waterspout was 40 yards wide and traveled 3 miles before dissipating 5 miles east of Oshkosh at 5:50 PM CST.

Event 96: June 9, 2005

The F0 waterspout touched down 4 miles northwest of Stockbridge on Lake Winnebago in Calumet County at 6:14 PM CST. The waterspout was 25 yards wide and was on the water for a tenth of a mile.

Event 97: June 10, 2005

The F0 tornado touched down 4 miles west of Mosinee in Marathon County at 1:03 PM CST. The tornado was 20 yards wide and was on the ground for a tenth of a mile. No damage was noted in the monthly storm data.

Event 98: June 10, 2005

The F0 tornado touched down one mile north of Winneconne in Winnebago County at 3:05 PM CST. The tornado was 20 yards wide and was on the ground a tenth of a mile.

Event 99: June 10, 2005

The F0 tornado touched down 2 miles west of Clintonville in Waupaca County at 3:10 PM CST. The tornado was 20 yards wide and was on the ground a tenth of a mile.

Event 100: June 10, 2005

The F0 waterspout was reported 4 miles east southeast of Oshkosh on Lake Winnebago in Winnebago County at 7:10 PM CST. The waterspout was 20 yards wide and was on the water a tenth of a mile. This was one of 3 waterspouts reported on Lake Winnebago on this evening.

Event 101: June 10, 2005

The F0 waterspout was reported 3 miles east southeast of Oshkosh on Lake Winnebago in Winnebago County at 7:22 PM CST. The waterspout was 20 yards wide and was on the water a tenth of a mile. This was one of 3 waterspouts reported on Lake Winnebago on this evening.

Event 102: June 10, 2005

The F0 waterspout was reported 3 miles east southeast of Oshkosh on Lake Winnebago in Winnebago County at 7:48 PM CST. The waterspout was 20 yards wide and was on the water a tenth of a mile. This was one of 3 waterspouts reported on Lake Winnebago on this evening.

TORNADO REFERENCE GUIDE – F/EF0 TORNADOES / WATERSPOUTS

Event 103: June 13, 2005

The F0 tornado touched down 4 miles north northeast of Black Creek in Outagamie County at 2:49 PM CST. The tornado was 75 yards wide and was on the ground two tenths of a mile before it dissipated 4.1 miles north northeast of Black Creek. The tornado knocked down a tree and caused damage to shingles at a residence.

Event 104: August 18, 2005

The F0 tornado touched down 6 miles west southwest of Wautoma in Waushara County at 5:32 PM CST. The tornado was 80 yards wide and was on the ground for two miles before dissipating 3.7 miles south of Wautoma at 5:36 PM CST. The tornado snapped off or uprooted many trees and caused damage to a few buildings and some farm equipment. A tree fell onto a large pole building, causing major damage to one of its sides. A porch at a residence was destroyed by a fallen tree limb while a portion of the metal roof of a barn was torn from it and thrown about 200 feet. An irrigation system was also damaged.

Event 105: August 18, 2005

The F0 tornado touched down 4 miles south southwest of New London in Waupaca County at 6:38 PM CST. The tornado was 40 yards wide and was on the ground for 1.2 miles before dissipating 3.4 miles southwest of New London at 6:41 PM CST. The tornado snapped large trees and a few buildings in its path. The tornado shifted a large barn, destroyed a small metal shed and threw it about a quarter of a mile. An outbuilding was overturned and thrown 30 to 40 feet into a stand of trees.

Event 106: August 18, 2005

The F0 tornado touched down four and a half miles west of Neenah in Winnebago County at 6:40 PM CST. The tornado was 50 yards wide and was on the ground for 4 miles before dissipating 2.6 miles northwest of Neenah at 6:48 PM CST. The tornado downed trees, stripping some siding from a home and destroying a corn crib.

Event 107: September 13, 2005

The F0 tornado touched down in De Pere in Brown County at 5:09 PM CST. The tornado was 50 yards-wide and the brief touchdowns lasted for 1.9 miles before the tornado dissipated in Allouez just north of Heritage Hill State Park at 5:12 PM CST. The tornado's occasional brief touchdowns topped numerous trees. Some of the trees caused damage to buildings and vehicles when they fell. The tornado caused little direct structural damage to any buildings.

Event 108: June 18, 2006

The F0 waterspout was reported 3 miles northwest of Sister Bay at 4:43 PM CST.

Event 109: June 24, 2006

The F0 waterspout was reported 4 miles west of Sherwood on Lake Winnebago in Calumet County at 4:14 PM CST. The waterspout remained nearly stationary for a minute before dissipating.

Event 110: September 29, 2006

The F0 waterspout was reported off Door County, from Chambers Island to 12 miles southeast of Cedar River, Michigan around 9:20 AM CST. The last report of the waterspout was around 9:55 AM CST.

Event 111: June 3, 2007

The brief EF0 landspout was reported about 2 miles east southeast of Shawano in Shawano County at 6:11 PM CST. The landspout lasted 20 seconds and was observed and photographed. No damage was reported.

TORNADO REFERENCE GUIDE – F/EF0 TORNADOES / WATERSPOUTS

Event 112: June 7, 2007

The EF0 tornado touched down 2 miles south of Wisconsin Rapids in Wood County at 3:26 PM CST. The brief tornado was seen by a storm chaser. The same storm also produced hail up to 5.5 inches in diameter in Port Edwards and Wisconsin Rapids.

Event 113: June 20, 2007

The EF0 waterspout was reported 6 miles northwest of Ellison Bay at 4:06 PM CST.

Event 114: May 25, 2008

The EF0 tornado touched down 3 miles east northeast of Knowlton in Marathon County at 8 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile before dissipating at 8:01 PM CST. Several apple trees were damaged in a narrow path. A pine tree fell on a shed as well. The tornado was on the ground for less than 30 seconds.

Event 115: July 29, 2008

The EF0 tornado briefly touched down 3.6 miles northwest of Granite Heights in Marathon County at 3:27 PM CST. The tornado was 15 yards wide and traveled a tenth of a mile. Law enforcement witnessed the brief tornado touchdown north of Brokaw near the Lincoln County border. No damage was reported.

Event 116: July 29, 2008

The EF0 tornado briefly touched down 6.2 miles north northwest of Kalinke in Marathon County at 3:59 PM CST. The tornado was 25 yards wide and traveled a quarter of a mile before dissipating at 4 PM CST. The tornado touched down just south of County Line Road near County Road Q. Several trees in an open field were knocked over.

Event 117: July 29, 2008

The EF0 tornado touched down 4.2 miles southeast of Nasonville in Wood County at 5:44 PM CST. The tornado was 25 yards wide and traveled a mile and a half before dissipating 4.7 miles west of Bethel at 5:49 PM CST. The tornado touched down north of Pittsville, tearing leaves and twigs from tops of trees. The tornado was seen by a county sheriff.

Event 118: May 4, 2010

The EF0 tornado touched down 2.2 miles south southwest of Winchester in Winnebago County at 6:13 PM CST. The tornado was 100 yards wide and traveled 3.4 miles before dissipating 0.8 miles north northwest of Larsen at 6:17 PM CST. The tornado damaged several structures. It destroyed a shed, swirling 2 by 4's in the air. The 2 by 4's struck a house, damaging the roof. The tornado threw a trailer about 200 yards into a field and ripped siding off a garage. A small camper was knocked over.

Event 119: July 14, 2010

The EF0 tornado touched down 2.5 miles west southwest of Veedum in Wood County at 4:18 PM CST. The tornado traveled a quarter of a mile and was 50 yards wide before it dissipated 2.2 miles west southwest of Veedum. The brief tornado was reported by the public and confirmed by local emergency management about 5 miles west of Pittsville. A dozen trees were knocked down and several large tree limbs fell onto a house. Wind speed estimated at 80 mph.

Event 120: May 22, 2011

The EF0 waterspout was observed over Lake Michigan about 5 miles northeast of Algoma.

Event 121: August 23, 2011

The EF0 tornado was witnessed by local law enforcement. The tornado touched down for less than 10 seconds in a corn field. A couple of stalks of corn were thrown in the air, but no damage was reported. The EF0 tornado was estimated to have winds around 60 mph.

TORNADO REFERENCE GUIDE – F/EF0 TORNADOES / WATERSPOUTS

Event 122: August 23, 2011

The EF0 tornado touched down near Briarton shortly before 6 PM CST along Shady Road in Shawano County just north of the Outagamie County line. Tall grass and a hay field were flattened in a cyclonic pattern. In addition, about a dozen trees had snapped limbed. Peak winds were estimated at 65 to 70 mph. The average path width was 50 yards.

Event 123: August 23, 2011

The EF0 tornado touched down less than a mile northeast of Sherwood at 8:05 PM CST. The EF0 tornado toppled two trees that damaged the roof of a house and snapped or uprooted six pine trees near Highway M. The tornado continued east-southeast moving over a swamp. Swirl marks were seen in the thick swamp grass. The tornado then hit a farm on Kesler Road. Two old barns were heavily damaged. Peak winds were estimated at 85 mph with an average width of 75 yards.



Event 124: May 24, 2012

The EF0 tornado formed 3.7 miles south southeast of Marathon at 6:01 PM CST and rapidly move northeast before dissipating 4.8 miles east northeast of Marathon at 6:07 PM. About 100 trees sustained large broken branches or were snapped by the tornado. No structures were damaged. The average path width was 50 yards.

Event 125: August 9, 2012

The EF0 waterspout was reported by a trained spotter over Lake Michigan six miles south of Kewaunee between 12:10 PM and 12:20 PM CST. An upper-level trough of low pressure rotated through Wisconsin, resulting in numerous showers and thunderstorms. Cold air aloft associated with the trough, coupled with the warm waters of Lake Michigan provided favorable conditions for the development of waterspouts.

Event 126: August 9, 2012

The EF0 waterspout was reported by a trained spotter over Lake Michigan six miles south of Kewaunee between 12:25 PM and 12:35 PM CST. An upper-level trough of low pressure rotated through Wisconsin, resulting in numerous showers and thunderstorms. Cold air aloft associated with the trough, coupled with the warm waters of Lake Michigan provided favorable conditions for the development of waterspouts.

Event 127: September 18, 2012

The brief EF0 waterspout was observed on the waters of the Bay of Green Bay three miles west of Sister Bay around 5:01 PM CST. The time of the event was estimated based on the time of 911 calls. A strong upper-level trough and cold air aloft produced conditions favorable for waterspout formation on the waters of Green Bay.

Event 128: July 9, 2013

The EF0 tornado touched down 0.5 NE of Schultz, or about six miles south of Irma in Lincoln County at 1:59 PM CST. The tornado moved east for about 4.1 miles and was 100 yards wide (average width was 75 yards). A few trees and power lines were knocked down. The tornado dissipated 3.9 miles west of Bloomville at 2:04 PM CST.

Event 129: July 9, 2013

The EF0 tornado touched down 10.8 miles south of Parrish in Langlade County (near the Lincoln / Langlade County line) around 2:32 PM CST. The tornado traveled east for about nine and a half miles, although the tornado track was not continuous. The maximum width of the tornado was 100 yards, with an average width of 75 yards. The tornado damage was to trees and tree limbs. The tornado dissipated 3.1 miles west of Deerbrook at 2:56 PM CST.

TORNADO REFERENCE GUIDE – F/EF0 TORNADOES / WATERSPOUTS

Event 130: July 9, 2013

The EF0 tornado touched down 4.2 miles south of Bancroft in Portage County around 4:44 PM CST in an open field just west of Interstate 39. The tornado was observed by a storm spotter and did no damage. The maximum width was 25 yards and traveled less than two tenths of a mile before dissipating at 4:45 PM CST.

Event 131: July 9, 2013

The EF0 tornado touched down about four and a half miles north northeast of Oconto in Oconto County at 6:40 PM CST. The tornado was observed by an eyewitness just east of Highway 41 near Swede Town Road and County Road A. The tornado moved east for about a mile and half toward the bay before dissipating at 6:54 PM CST. Dozens of trees were snapped and uprooted and blew over a recreational vehicle trailer along its path. The maximum width of the tornado was one hundred yards with an average width of seventy-five yards.

Event 132: July 27, 2014

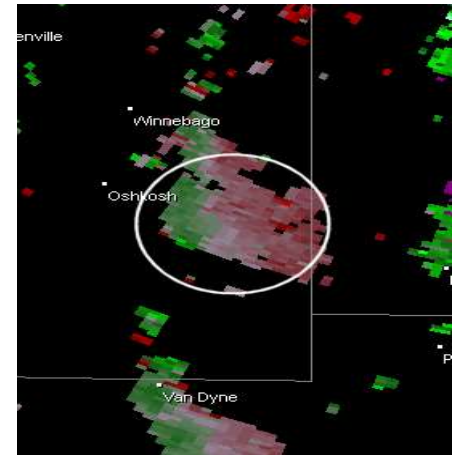
The very weak and brief EF0 waterspout formed under a rain shower over southern Lake Winnebago, about 5 miles southeast of Oshkosh around 6:05 PM CST. The waterspout (photo below) was on the water for a just a few seconds and then dissipated. The parent funnel was seen by hundreds of people across the area. No damage occurred.



Photograph submitted to NWS.



Radar image: Green Bay radar.



Velocity image: Green Bay radar.

Event 133: August 18, 2014

The EF0 tornado developed around 3:23 PM CST, causing minor damages it moved east near Shady Lane a little over three miles northeast of Winchester in northern Winnebago County. The weak tornado caused two single wood power poles to partially lean in saturated soil and knocked over a few trees and limbs. Swirl marks could be seen in a field of tall grass. The tornado was not in contact with the ground during the entire path length (a little over two miles) before ending around 3:25 PM CST. The maximum width of the tornado was 50 yards with estimated winds of 65 to 75 mph.

Event 134: May 17, 2015

The EF0 tornado touched down at 2:31 PM CST just over a mile and a half west-southwest of Morgan in Shawano County. The tornado produced intermittent damage along a nearly five-mile-long path, dissipating at 2:40 PM CST just over three miles northeast of Morgan. At least a dozen trees along the path sustained damaged and a barn lost several shingles. The tornado had a maximum width of 75 yards.

TORNADO REFERENCE GUIDE – F/EF0 TORNADOES / WATERSPOUTS

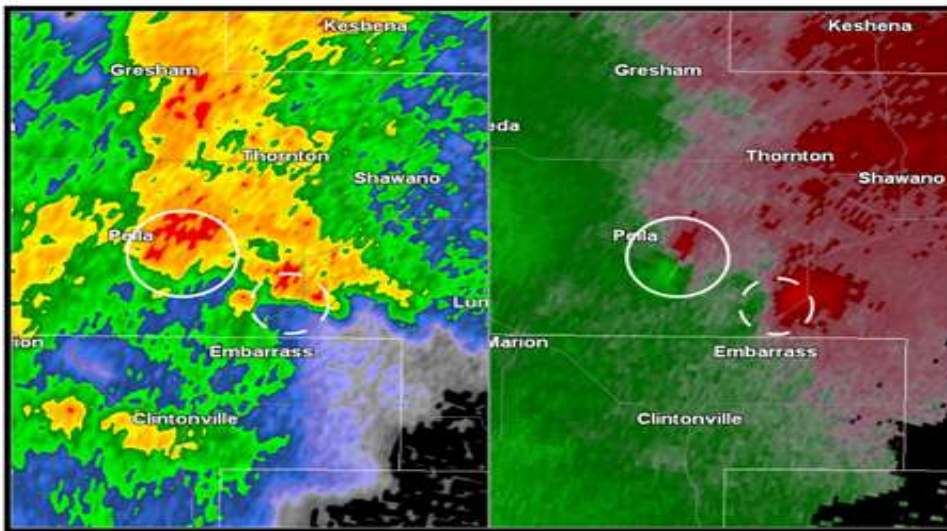
Event 135: June 15, 2015

The weak EF0 tornado touched down at 2:31 PM CST a mile and a half north-northwest of Glenmore in Brown County. The tornado traveled just over a quarter of a mile and was 25 yards wide before the tornado dissipated 1.4 miles north-northwest of Glenmore. A swing set was toppled, and a small metal shed was pushed twenty feet.

Event 136: July 6, 2015

The EF0 tornado touched down at 4:03 PM CST just over a mile east of the Pella Airport in Shawano County. The tornado traveled nearly a tenth of a mile and was 25 yards wide before dissipating at 4:04 PM CST. The tornado tore off part of a barn and sent wooden pallets into a nearby field.

As this cell continued to move northeast into Shawano County, it produced another very weak tornado (EF0) that briefly touched down near Pella in central Shawano County around 5 pm CDT (denoted by the white circle in the image below). The dashed circle in the image below denotes a new circulation associated with a different cell that was developing to the southeast of the Pella (just north of Embarrass).



Radar reflectivity (above left) and velocity image (above right) associated with brief tornado touchdown near Pella (denoted by solid circle in the image above). Dashed circle denotes a new circulation that eventually produces a tornado near Gillett about 50 minutes later.

Here are some damage photos from the Pella tornado:



TORNADO REFERENCE GUIDE – F/EF0 TORNADOES / WATERSPOUTS

Event 137: June 4, 2016

The EF0 tornado touched down at 6 PM nearly a mile northeast of Shawano Lake in Shawano County. The tornado traveled a tenth of mile and was 50 yards wide before dissipating at 6:01 PM CST. A very weak waterspout occurred on Loon Lake, about five miles northeast of the city of Shawano. The waterspout was photographed and recorded by law enforcement, remained nearly stationary for about a minute before dissipating. The tornado caused no damage.

Event 138: June 10, 2016

The EF0 tornado touched down at 6 PM 1.3 miles southwest of Mackville in Outagamie County. The tornado traveled nearly a mile and a half to the southeast before dissipating at 6:03 PM CST. The tornado was 25 yards wide. Damage was limited to broken tree branches and limbs with estimated peak winds of 55 to 60 mph. The tornado was photographed by a storm spotter.

Event 139: June 15, 2016

The EF0 tornado (waterspout) touched down on the eastern shores of Lake Winnebago in Calumet County at 5:47 PM CST. The waterspout was 25 yards wide and traveled nearly seven tenths of a mile to the southeast before dissipating at 5:49 PM CST. No damage was noted.

Event 140: June 30, 2016

The EF0 tornado touched down nearly a mile west southwest of Poniatowski in Marathon County around 6:16 PM CST. The tornado traveled less than a tenth of a mile and was 50 yards wide. Minor damage was reported at a farm near Poniatowski. The tornado dissipated at 6:16 PM CST.

Event 141: June 30, 2016

The EF0 tornado touched down on the west side of Kewaunee in Kewaunee County around 9:03 AM CST. The tornado was 125 yards wide with about 100 trees sustaining some damage. Several trees were uprooted to the saturated ground. Several homes on the west side of Kewaunee had shingle or siding damage. Also, a baseball dugout at a school was blown down. The tornado traveled seven tenths of a mile before dissipating 1.1 miles west of downtown Kewaunee around 9:06 AM CST.

Event 142: May 16, 2017

The EF0 tornado touched about five and a half miles west southwest of Enterprise in Oneida County around 7:12 PM CST. The brief tornado uprooted several hundred pine trees just north of Highway Q near the Oneida County/Langlade County line, or about 9.5 miles west-southwest of Pelican Lake. The EF0 tornado was approximately 175 yards wide and traveled about three tenths of a mile before dissipating at 7:13 PM CST about five and a half miles west southwest of Enterprise.

Event 143: June 14, 2017

The EF0 tornado touched down in an open field two miles northeast of Gresham near the Shawano/Menominee County line (tornado was photographed) at 12:47 PM CST. The tornado was twenty-five yards wide and traveled a tenth of a mile before dissipating at 12:47 PM CST.

Event 144: June 14, 2017

The EF0 tornado touched down nearly three miles south-southwest of Mackville in Outagamie County around 2:30 PM CST. The tornado caused minor damage to a house and ripped small limbs off trees. The tornado was 50 yards wide and traveled 2.8 miles before dissipating two miles southeast of Mackville around 2:34 PM CST.

Event 145: June 14, 2017

The EF0 tornado touched down nearly three miles east-northeast of Bear Creek in Outagamie County around 2:31 PM CST. The tornado uprooted several trees in a saturated soil and broke off limbs to a dozen more trees. A metal barn roof was blown off and another barn collapsed. The tornado was 50 yards wide and traveled four miles before dissipating around 2:38 PM CST.

TORNADO REFERENCE GUIDE – F/EF0 TORNADOES / WATERSPOUTS

Event 146: June 14, 2017

The EF0 tornado touched down two miles northwest of Hofa Park in Shawano County around 2:53 PM CST. The tornado heavily damaged an old barn and partially tore the roof off an outbuilding. Another barn had most of its roof blown off. A nearby home had roof damage and its garage door partially collapsed inward. The tornado was 50 yards wide and traveled just over three miles before dissipating 0.7 miles northeast of Frazier around 2:55 PM CST.

Event 147: June 14, 2017

The EF0 tornado touched down about a mile southwest of Morrison in Brown County around 2:53 PM CST. The tornado caused minor tree damage. The tornado was 50 yards wide and traveled 1.2 miles before dissipating in Morrison around 2:55 PM CST.

Event 148: June 14, 2017

The EF0 tornado touched down just over two miles south of Custer in Portage County around 7:30 PM CST. The tornado produced minor crop damage and damaged the roof of an outbuilding which resulted in the building losing a wall. The tornado was 30 yards wide and traveled seven tenths of a mile before dissipating just over two miles north-northeast of Arnott around 7:32 PM CST.

Event 149: July 20, 2018

The EF0 tornado touched down around 11:55 AM CST nearly a mile and a half northwest of Silver Lake, or near Highway 21 about mile southeast of Wautoma in Waushara County. Several witnesses observed the tornado on the ground for 10 to 15 seconds. A few white pine branches were broken. The tornado was 10 yards wide and traveled a tenth of a mile before dissipating at 11:56 AM CST.

Event 150: October 3, 2018

The EF0 tornado touched down around 6:08 PM CST just over a mile southwest of Mattoon in Shawano County. The weak fast-moving tornado caused only minor damage on the south side of the village of Mattoon. The tornado was 25 yards wide and traveled near a mile before dissipating less than a mile south-southeast of Mattoon at 6:09 PM CST.

Event 151: July 16, 2019

The brief, thin weak EF0 tornado touched down in an open field between Plainfield and Hancock in Waushara County around 4:35 PM CST. No damage was reported, but dust and a few small branches were lofted in the air by the funnel. The tornado was 10 yards wide and traveled nearly two tenths of a mile before dissipating at 4:36 PM CST.

Event 152: July 19, 2019

The EF0 tornado touched down just over seven miles north-northwest of Spirit Falls in Lincoln County around 5:47 PM CST. The tornado produced scattered tree damage and was seen by the public. Winds were estimated at 75 to 80 mph. The tornado was 50 yards wide and traveled six and a half miles before dissipating at 6 PM CST nearly seven miles northwest of the Tomahawk Regional Airport.

Event 153: July 19, 2019

The EF0 tornado touched down five and a half miles southwest of Lake George in Oneida County around 6:49 PM CST. The tornado produced a path of scattered tree damage west of Pelican Lake. Peak winds were estimated around 80 mph. The tornado was 50 yards wide and traveled nearly five and a half miles before dissipating just over two miles northwest of Enterprise around 6:58 PM CST.



TORNADO REFERENCE GUIDE – F/EF0 TORNADOES / WATERSPOUTS

Event 154: July 20, 2019

The EF0 tornado touched down just over a half mile south-southwest of Weyauwega in Waupaca County around 10 AM CST, damaging several trees on the south side of Weyauwega. Peak winds estimated at 75 mph. The tornado was 50 yards wide and traveled just short of a mile and a half before dissipating around 10:02 AM CST one mile east of Weyauwega.

Event 155: July 20, 2019

The EF0 tornado touched down nearly two miles south-southwest of New London in Waupaca County at 10:09 am CST. The tornado damaged a few trees before entering Outagamie County at 11:10 AM CST about 1.4 miles south of New London. In Outagamie County, the tornado continued northeast and destroyed a storage shed, heavily damaged trees and ripped shingles and siding off a house. A power pole also fell onto a car. Peak winds were estimated around 90 mph. The maximum width of the tornado was 90 yards and traveled seven and a half miles before dissipating around 10:20 AM CST nearly three miles southwest of Shiocton.

Event 156: July 20, 2019

The EF0 tornado touched down around 10:22 AM CST nearly two miles northeast of Greenville in Outagamie County. The brief tornado damaged a few tree limbs and took some shingles and siding off a house northeast of Greenville. A power pole was also damaged. Peak winds were estimated near 85 mph. The tornado was 50 yards wide and nearly three quarters of a mile before dissipating around 10:23 AM CST around two and a half miles northeast of Greenville.

Event 157: July 20, 2019

The EF0 tornado touched down around 10:36 AM CST just over three miles east-northeast of Little Chute in Outagamie County. The tornado damaged the roof of a barn and silo top northeast of Kaukauna. Peak winds were estimated at 80 mph. The tornado was 50 yards wide and traveled just over a mile before dissipating around 10:38 AM CST just over four miles east-northeast of Little Chute.

Event 158: August 7, 2019

The EF0 tornado touched down around 4:48 PM CST just over two miles southeast of downtown Green Bay in Brown County. Three power poles sustained damage and a business sign was heavily damaged in Green Bay. The tornado continued southeast and damaged at least 100 trees along the path. A poorly constructed carport lost part of its metal roof at an apartment building and a nearby house lost a couple of shingles. The tornado was 90 yards wide and traveled just over six miles before dissipating around 4:57 PM CST nearly two miles north of Pine Grove.

Event 159: October 15, 2019

The EF0 waterspout was observed around 1 PM CST by the Washington Island Coop observer near Deaths Door.

Event 160: June 20, 2020



The brief EF0 tornado touchdown was witnessed by the Oshkosh Fire Department around 4:01 PM CST near Highway 45 near Butte des Morts. No damage was reported. The tornado was 50 yards wide and traveled a quarter of a mile before dissipating at 4:02 PM CST.

Photo by Hunter Bolssen

TORNADO REFERENCE GUIDE – F/EF0 TORNADOES / WATERSPOUTS

Event 161: July 20, 2020

A storm chaser and the public reported an EF0 tornado over Lake Butte des Morts near County S around 4:23 PM CST. The tornado traveled just over a mile and was 75 yards wide, dissipating before reaching shore around 4:27 PM CST.



Event 162: July 20, 2020

Multiple eyewitness reported the EF0 tornado (waterspout) over Lake Winnebago 5 to 6 miles southeast around 4:35 PM CST. The tornado was 75 yards wide and traveled nearly 3.4 miles before dissipating around 4:41 PM CST.

Video / Still Image by Nate Laudolff

Event 163: July 28, 2021

The brief EF0 tornado touched down west of Bevent or four tenths of a mile south-southeast of Peplin in Marathon County around 8:18 PM CST. The tornado produced damage to trees and a power pole. The total path length was estimated to be two-tenths of a mile with a width of 100 yards before dissipating at 8:19 PM CST six tenths of a mile south-southeast of Peplin.

Event 164: July 28, 2021

The brief EF0 tornado touched down nearly 2 miles west of Borth in Waushara County at 10:06 PM CST. The tornado damaged an outbuilding. The tornado path length was estimated at nearly a half mile, with a width of 33 yards. Peak winds were estimated at 80 mph. The tornado dissipated 1.8 miles west-southwest of Borth around 10:08 PM CST.

Event 165: August 11, 2021

The EF0 tornado touched down at 1:08 PM CST one mile southwest of Angelica in Shawano County. The tornado uprooted trees and damaged an outbuilding before moving east and dissipating in a nearby field at 1:09 PM CST. The total path length was estimated at nearly four tenths of a mile and was 41 yards wide. Peak winds were estimated at 68 mph.

Event 166: August 11, 2021

The EF0 tornado touched down at 1:14 PM CST nearly one mile northwest of Pulaski in Brown County. The tornado moved east across the north side of Pulaski then dissipated about a mile and a half east of Pulaski around 1:22 PM CST. The tornado damaged trees. The total path length was estimated to be near 2.3 miles long with a maximum width of 75 yards. Peak winds were estimated around 70 mph.

Event 167: June 15, 2022

The EF0 tornado formed at 5:10 PM CST in the northeast corner of cemetery southwest of Black Creek in central Outagamie County. The tornado tracked northeast before dissipating at 5:20 PM CST a mile and a half east of Seymour. The total path length was estimated at 9.4 miles with a maximum width of 400 yards. The peak wind speed was estimated to be around 105 mph.

Event 168: July 27, 2023

The brief EF0 tornado formatted at 6:22 PM CST in the Hiles area of Forest County and continued southeast before dissipating at 6:26 PM CST. The total path length was estimated to be 1.68 miles long with a maximum width of 90 yards. Peak wind was estimated at 76 mph.

TORNADO REFERENCE GUIDE – WATERSPOUTS (Bay of Green Bay / Lake Michigan)

Event	Date			Time		TOR in GRB Service Area
#	Month	Day	Year	(CST)	Direction / Location	County or Counties
1	6	23	1962	16:30-16:35	2 W Champion	Brown
2	5	21	1970	20:10	Green Bay - north side	Brown
3	7	28	1991	10:15	Near Rock Island	Door
4	7	28	1991	10:15	Near Washington Island	Door
5	8	23	1998	17:30-17:44	3 SW Egg Harbor - 5 SE Egg Harbor	Door
6	8	4	1999	16:05-16:15	21 ESE Sturgeon Bay	Door
7	9	9	1999	14:55	3 N Sister Bay	Door
8	9	19	1999	16:46-17:10	8 SE Sturgeon Bay	Door
9	7	20	2000	12:58	2 W Sister Bay	Door
10	4	23	2001	13:26-13:46	12 NW - 9 NW Sturgeon Bay	Door
11	6	4	2005	17:30	5 E Kewaunee	Kewaunee
12	6	18	2006	16:43	3 NW Sister Bay	Door
13	9	29	2006	09:20-09:55	Chambers Is. - 12 SE Cedar River	Door
14	6	20	2007	16:06	6 NW Ellison Bay	Door
15	5	22	2011	18:05	5 NE Algoma	Kewaunee
16	8	9	2012	12:10-12:20	6 S Kewaunee	Kewaunee
17	8	9	2012	12:25-12:35	6 S Kewaunee	Kewaunee
18	9	18	2012	17:01	3 W Sister Bay	Door
19	10	15	2019	13:00-13:01	Deaths Door	Door

TORNADO REFERENCE GUIDE - WATERSPOUTS

(Bay of Green Bay / Lake Michigan)

Event 1: June 23, 1962

The F1 tornado touched down 2 miles west of Champion in eastern Brown County around 4:30 PM CST. According to the local storm report for June of 1962, the tornado became or originated as a waterspout near Point Sauble as the storm was picking up water at times. The tornado/waterspout had a maximum width of 33 yards and traveled 3 miles before dissipating.

Event 2: May 21, 1970:

An airplane pilot reported the tornado just northeast of Green Bay along the shores of the Bay of Green Bay in Brown County around 8:10 PM CST. The tornado became a waterspout about four miles northeast of Green Bay. The tornado/waterspout was less than 50 yards wide and was on the ground for about two miles.

Event 3: July 28, 1991

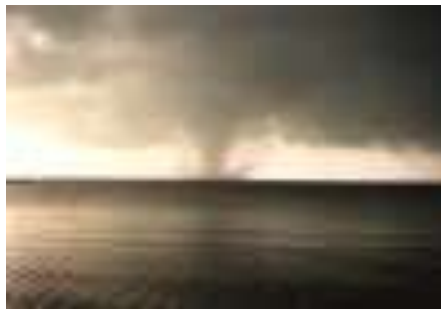
The F0 waterspout was reported near Rock Island across extreme northern Door County at 10:15 AM CST. A second waterspout was reported near Washington Island.

Event 4: July 28, 1991

The F0 waterspout was reported near Washington Island across extreme northern Door County around 10:15 AM CST. A second waterspout was reported near Rock Island around the same time.

Event 5: August 23, 1998

A large waterspout developed over the bay of Green Bay around 5:15 PM CST. The waterspout moved on land and became a strong F3 tornado across Door County.



These photos were taken by Tom Janssen II at Murphy Park, which was hit by the tornado. The two on the left show the waterspout just after it developed, around 5:15 PM CST. The third picture was taken a little after 5:20 PM CST. The tornado was off the Door County shore over the Bay of Green Bay.

TORNADO REFERENCE GUIDE – WATERSPOUTS LAKE MICHIGAN AND THE BAY OF GREEN BAY

Event 4 continued: August 23, 1998



These pictures were taken by Gary Gridley, from Egg Harbor. The photo on the left was taken at 5:25 PM CST. The picture on the right was taken around 5:30 PM CST, as the tornado was coming onshore at Murphy Park.

Event 6: August 4, 1999

The F0 waterspout was reported by a vessel on the lake 21 miles east southeast of Sturgeon Bay in Door County at 4:05 PM CST. The crew of the vessel observed two other waterspouts about 21 miles east southeast of Sturgeon Bay. The U.S. Coast Guard relayed the report they received from the vessel on the lake.

Event 7: September 9, 1999

The F0 waterspout was reported 3 miles north of Sister Bay in Door County at 2:55 PM CST.

Event 8: September 19, 1999

The crew of a ship off the Door County shoreline 8 miles southeast of Sturgeon Bay, spotted the F0 waterspout at 4:46 PM CST which dissipated at 5:10 PM CST. There may have been other waterspouts in the vicinity of the one reported.

Event 9: July 20, 2000:

Boaters spotted the F0 waterspout 2 miles west of Sister Bay in Door County at 12:58 PM CST.

Event 10: April 23, 2001

The F0 waterspout developed 6 miles west southwest of Fairland in Door County around 1:26 PM CST. The waterspout moved north along the shoreline before it dissipated 9 miles northwest of Sturgeon Bay around 1:46 PM CST.

Event 11: June 4, 2005

The F0 waterspout touched down on Lake Michigan 5 miles east of Kewaunee in Kewaunee County at 5:30 PM CST.

Event 12: June 18, 2006

The F0 waterspout was reported 3 miles northwest of Sister Bay in Door County at 4:43 PM CST.

TORNADO REFERENCE GUIDE - WATERSPOUTS

(Bay of Green Bay / Lake Michigan)

Event 13: September 29, 2006

The F0 waterspout was reported off Door County, from Chambers Island to 12 miles southeast of Cedar River, Michigan around 9:20 AM CST. The last report of the waterspout was around 9:55 AM CST.

Event 14: June 20, 2007

The EF0 waterspout was reported 6 miles northwest of Ellison Bay in Door County at 4:06 PM CST.

Event 15: May 22, 2011

The EF0 waterspout was observed over Lake Michigan about 5 miles northeast of Algoma.

Event 16: August 9, 2012

The EF0 waterspout was reported by a trained spotter over Lake Michigan six miles south of Kewaunee between 12:10 PM and 12:20 PM CST. An upper-level trough of low pressure rotated through Wisconsin, resulting in numerous showers and thunderstorms. Cold air aloft associated with the trough, coupled with the warm waters of Lake Michigan provided favorable conditions for the development of waterspouts.

Event 17: August 9, 2012

The EF0 waterspout was reported by a trained spotter over Lake Michigan six miles south of Kewaunee between 12:25 PM and 12:35 PM CST. An upper-level trough of low pressure rotated through Wisconsin, resulting in numerous showers and thunderstorms. Cold air aloft associated with the trough, coupled with the warm waters of Lake Michigan provided favorable conditions for the development of waterspouts.

Event 18: September 18, 2012

The brief EF0 waterspout was observed on the waters of the Bay of Green Bay three miles west of Sister Bay around 5:01 PM CST. The time of the event was estimated based on the time of 911 calls. A strong upper-level trough and cold air aloft produced conditions favorable for waterspout formation on the waters of Green Bay.

Event 19: Oct 15, 2019

The EF0 waterspout was observed around 1 PM CST by the Washington Island Coop observer near Deaths Door.

TORNADO REFERENCE GUIDE – KILLER TORNADOES

Deaths	Date			Time	Direction / Location	TOR in GRB Service Area
	Month	Day	Year	(CST)		County or Counties
2	6	25	1950	21:00	1 W Woodboro - 5 NE Rhinelander	Oneida
6	9	26	1951	15:45-16:08	9 SSW Amherst - 2 SW Bear Creek	Portage, Waupaca
2	4	3	1956	12:50	3 S Bancroft - 2 NW Amherst	Portage
2	8	19	1968	16:10	3 SW Pound - Marinette	Marinette
1	8	9	1979	18:20	Rockland Beach	Calumet
1	4	27	1984	14:37-15:07	Fawn Lake - Star Lake	Oneida, Vilas
1	4	27	1984	15:20-15:40	1 NE Winneconne - Freedom	Winnebago, Outagamie
2	6	8	1985	18:15-18:32	Park Falls - 3 SE Monico	Oneida
1	8	29	1992	19:10-19:55	1 N Wautoma - 3 SE Poysippi	Waushara
1	8	19	2011	15:45-15:56	2.9 NW - 5.2 ESE Wausaukee	Marinette

TORNADO REFERENCE GUIDE – KILLER TORNADOES

DEATHS: June 25, 1950

The F4 tornado touched down one mile west of Woodboro in Oneida County around 9 PM CST and traveled 13.1 miles to five miles northeast of Rhinelander. The tornado reached a maximum width of 880 yards. Two deaths were reported in Oneida County.

6 DEATHS: September 26, 1951

The F4 tornado developed 9 miles south southwest of Amherst in Portage County around 3:45 PM CST. The tornado cut through the towns of Waupaca and Lebanon in Waupaca County. The tornado traveled 22.3 miles and dissipated two miles southwest of Bear Creek in Waupaca County around 4:08 PM CST. The tornado reached a maximum width of 400 yards. A family of five was killed near Waupaca; while a 40-year-old woman was killed near New London when a farm home was flattened.

2 DEATHS: April 3, 1956

A strong spring storm killed 43 people nationwide, including eight in Wisconsin on this date. The F2 tornado developed 3 miles south of Bancroft in Portage County around 12:50 PM CST. The tornado traveled 18.2 miles to two miles northwest of Amherst before dissipating. The tornado reached a maximum width of 100 yards. Two fatalities were reported in Portage County.

2 DEATHS: August 19, 1968

The funnel was first observed at about 4 PM CST near Breed but remained aloft until three miles southwest of Pound. The F4 tornado developed 3 miles southwest of Pound around 4:15 PM CST and traveled 21 miles before dissipating in Marinette. The tornado moved east about 3 miles south of Highway 53, destroying farms near Pound and again just south of Marinette. Large hail three inches in diameter fell north of the tornado track. Two elderly brothers, John and Cecil Maloney were fatally injured as their farmhouse near Pound blew apart. A third brother James, who was in bed when the winds struck was found on some bed springs in a nearby cornfield. He was hospitalized in satisfactory condition. Two more people were injured at Marinette when the tornado struck near the airport. Nearly twenty counties were included in a series of thunderstorm warnings issued by the Weather Bureau.

1 DEATH: August 9, 1979

The F2 tornado touched down near Rockland Beach in Calumet County around 6:20 PM CST. The strong tornado only traveled about a mile and was fifty yards wide. One death was attributed to the tornado. A Rockland Beach woman died after the winds demolished the family home. She was crushed as the family's first floor fireplace fell through to the basement. The husband and three children were not hurt.

1 DEATH: April 27, 1984

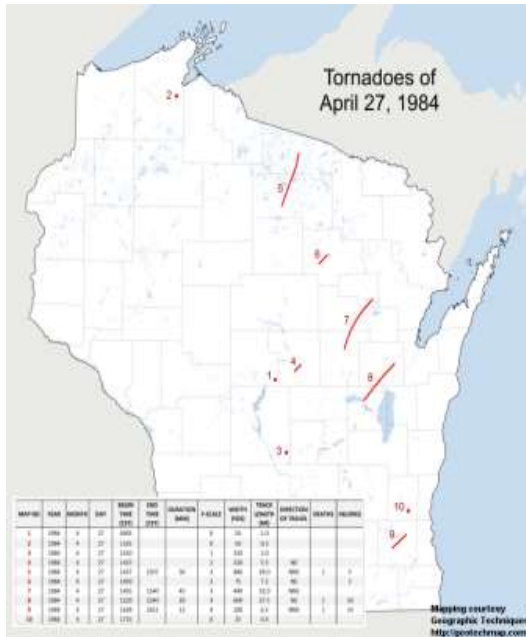
The F3 tornado developed near Fawn Lake in Oneida County around 2:37 PM CST. The tornado traveled to near Star Lake in Vilas County before dissipating around 3:07 PM CST. The tornado leveled several thousand acres of forest, destroyed or damaged 80 homes and cabins, ripped up docks and tossed boats in the air or wrapped them around trees. A Fawn Lake man was killed after getting his family to safety. The hardest hit areas were Fawn Lake, Two Lakes, Hasbrook and Gilmore Lakes in Oneida County. In Vilas County, the hardest hit areas were St. Germain Lake, Lost Lake and Star Lake. The tornado traveled 29 miles and reached a maximum width of 880 yards.

TORNADO REFERENCE GUIDE – KILLER TORNADOES

1 DEATH: April 27, 1984

The article for this date was written by Scott Cultice, forecaster at the National Weather Service in Green Bay. During the late afternoon of April 27, 1984, multiple super cell thunderstorms developed ahead of a strong cold front that moved across Wisconsin. Ten tornadoes were reported across the state, including three killer tornadoes: Tornadoes were reported in northern Wisconsin near St. Germain, one west of Appleton, and the third in southeast Wisconsin in Waukesha County. This outbreak of killer tornadoes was one of the bigger outbreaks in northeast Wisconsin since accurate tornado records began in 1950.

The Fox Valley Tornado - Continued



Around 3:20 PM CST, a tornado formed near the town of Butte des Morts in northern Winnebago County and quickly intensified into a destructive tornado. The violent storm moved northeast across the town of Clayton, killing one person, and destroying many houses. The tornado continued to track northeast toward the northwest side of the city of Appleton. By about 3:40 PM CST, the tornado wreaked havoc across the western edge of the Outagamie County Airport and near the town of Greenville. The tornado finally dissipated near Freedom.

An estimated two dozen homes were destroyed and many more were damaged across the Fox Valley that afternoon. The storm killed one person and injured 19 more. Total cost of the destruction over the Fox Valley was \$2.5 million (\$15 million in today's dollars). The tornado traveled on the ground at about 40 mph and, for a short time, was over one quarter mile wide. The twister was on the ground for over 27 miles. It was classified as an F4 tornado, now referred to as an EF4 on today's Enhanced Fujita Scale (wind speeds of 166-200 mph).

2 DEATHS: June 8, 1985

A severe thunderstorm spawned a killer F3 tornado and dropped large hail as it rolled through Price and Oneida Counties, causing widespread property, crop, and timber damage. The tornado skipped from Park Falls to about 15 miles southeast of Rhinelander. The tornado first touched down one mile west of Park Falls around 6:15 PM CST and moved through the southern portion of the city. In Park Falls, 125 buildings were damaged with 12 houses and businesses were heavily damaged or destroyed. 26 people received mostly minor injuries in Park Falls. The tornado continued southeast, cutting an eighteen mile and 1.5 miles wide swath through eastern Price County and into Minocqua in Oneida County where the tornado dissipated around 6:52 PM CST. Two people were killed and sixteen injured at Swamsauger Lake and Cedar Falls resort in the Willow Reservoir area in Oneida County. A man apparently drowned when the tornado lifted him and his house and deposited it into Swamsauger Lake. A woman was killed when a tree crashed through a vehicle in which she was seeking refuge. The tornado continued to the southwest portion of Rhinelander and then dissipated southeast of Monico. A total of 47 residences were heavily damaged or destroyed while another 43 more received some damage in Oneida County. 9,900 acres of timber and cranberry bogs were lost in Oneida County.

TORNADO REFERENCE GUIDE – KILLER TORNADOES

1 DEATH: August 29, 1992

The F3 tornado touched down east of Big Flats in Adams County around 7 PM CST. The tornado skipped along a five mile-path, toppling trees, and downing a 24 by 30-foot building. The killer tornado traveled a 28 mile-path across Waushara County. The tornado developed around 710 PM just CST north of Coloma and then moved to Wautoma to just north of Redgranite and then southeast of Poy Sippi before dissipating around 7:55 PM CST. The hardest hit area was just south of Wautoma where a woman was killed when her mobile home was hurled several hundred feet into a parking lot. In addition, 30 people were injured, several critically. The tornado caused over ten million dollars in damage. All-together, forty-eight homes were destroyed, and ninety-five other structures sustained major damage, 289 received minor damage. 950 acres of trees were toppled by the tornadic winds.

1 DEATH: August 19, 2011

The EF1 tornado quickly developed northwest of the city of Wausaukee during the late afternoon and moved southeast for nearly eight miles before dissipating. The twister touched down near Long Lake, snapping or uprooting hundreds of trees as it moved towards Wausaukee. A mobile home near Long Lake was heavily damaged by fallen trees, but the occupants escaped without injury. As the tornado moved into Wausaukee, it leveled another mobile home killing a 46-year-old male. Two additional buildings on the property sustained damage including a house that lost part of its roof. Two semi-trailers on the property were blown over. The tornado continued southeast, damaging a baseball field and hundreds of additional trees on the east side of Wausaukee. The tornado reached the Menominee River and briefly crossed into Upper Michigan before moving back into Wisconsin and dissipating near Highway 180. One tree fell on a home near Deer Lane Road.

TORNADO REFERENCE GUIDE – MORNING TORNADOES

MORNING TORNADOES (MID TO NOON LOCAL STANDARD TIME)

Event	EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
1	2	6	20	1954	02:30-02:40	Rothschild - 6 NE Mosinee	Marathon
2	2	6	20	1954	04:00	Brothertown	Calumet
3	1	5	4	1959	10:30	Wausau	Marathon
4	1	5	4	1959	11:45	Deerbrook	Langlade
5	2	5	6	1959	03:20	Symco - 3 SE Clintonville	Outagamie, Waupaca
6	2	9	3	1961	00:10	Fenwood	Marathon
7	1	9	3	1961	01:00	Athens	Marathon
8	1	7	1	1967	00:45	3 E Kiel	Manitowoc
9	2	6	30	1968	04:00	3 NW Cavour	Forest
10	1	6	30	1968	04:45	3 S Pembine	Marinette
11	1	12	1	1970	07:00	Hull	Portage
12	2	12	1	1970	09:00	12 SE Marshfield	Wood
13	2	12	1	1970	09:45-10:30	4 NW Iola - Pella	Shawano, Langlade, Oconto
14	3	12	1	1970	10:10-10:45	near Medina - Rose Lawn	Outagamie, Shawano
15	1	7	8	1971	02:00	Wisconsin Rapids	Wood
16	0	7	30	1971	07:00	4 E Oshkosh (waterspout)	Winnebago
17	1	3	11	1973	10:30	2 E Calumetville	Calumet
18	1	6	18	1973	11:00	2 W Athens	Marathon
19	1	7	12	1973	03:00	Boulder Junction - Sayner	Vilas
20	1	7	12	1973	07:30	Jacksonport	Door
21	1	7	12	1973	08:00	4 W Freedom	Outagamie
22	2	6	16	1979	09:30	Oconto Falls - 2 NE Lena	Oconto
23	1	8	4	1979	10:00	Manitowoc	Manitowoc
24	2	6	7	1980	00:20	Valders	Manitowoc
25	1	7	5	1980	00:30	Valders	Manitowoc
26	2	4	4	1981	00:35	4 W Kiel	Calumet
27	1	7	3	1983	04:39	Eagle River	Vilas
28	0	4	27	1984	04:05	Saratoga	Wood
29	0	7	28	1991	10:15	Near Rock Island (waterspout)	Door
30	0	7	28	1991	10:15	Near Washington Island (waterspout)	Door
31	0	6	29	1995	11:05	10 SW Kewaunee	Kewaunee
32	2	8	7	1996	01:45-01:49	6.5 N Stratford - 2.5 NNW Fernwood	Marathon
33	1	8	7	1996	01:46-01:47	1 N - 1.2 NE Stratford	Marathon
34	1	8	7	1996	02:19-02:21	0.4 SW Shantytown - Shantytown	Marathon
35	0	5	31	1998	00:20-00:21	4 WSW Mosinee	Marathon
36	1	5	31	1998	01:20-01:24	0.5 N Stockbridge - 2 NE Stockbridge	Calumet
37	0	6	8	2003	11:40	4 W Oshkosh Wittman Field	Winnebago
38	0	5	23	2004	05:47	2.7 E Reedsville	Manitowoc
39	0	9	29	2006	09:20-09:55	Chambers Is. - 12 SE Cedar River (waterspout)	Door

TORNADO REFERENCE GUIDE – MORNING TORNADOES

MORNING TORNADOES (MID TO NOON LOCAL STANDARD TIME)

Event	EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
40	1	8	7	2013	00:05-00:10	0.5 SSE Henrysville - 1 NE Stangelville	Brown, Calumet, Kewaunee
41	1	6	26	2016	01:30-01:35	4.2 ESE Symco - 6.4 NNE Northport	Waupaca
42	1	8	4	2016	10:20-10:26	1.3 NNE Cherokee - 4.4 SSW Stratford	Marathon
43	0	8	20	2016	09:03-09:06	1.1 W - 0.8 NW Kewaunee	Kewaunee
44	0	7	20	2018	11:55-11:56	1.4 NW Silver Lake	Waushara
45	1	7	20	2019	09:55-10:03	1.4 SSE Waupaca - 2.1 ESE White Lake	Waupaca
46	0	7	20	2019	10:00-10:02	0.6 SSW Weyauwega - 1.1 E Weyauwega	Waupaca
47	0	7	20	2019	10:09-10:20	1.8 SSW New London - 2.9 SW Shiocton	Outagamie, Waupaca
48	1	7	20	2019	10:18-10:22	2.6 E Hortonville - 3.3 ESE Stephenville	Outagamie
49	0	7	20	2019	10:22-10:23	1.9 NE Greenville - 2.6 NE Greenville	Outagamie
50	0	7	20	2019	10:36-10:38	3.2 ENE Little Chute - 4.3 ENE Little Chute	Outagamie

Event 1: June 20, 1954

The F2 tornado developed around 2:30 AM CST in Rothschild in Marathon County. The tornado traveled approximately 6.3 miles and dissipated six miles northeast of Mosinee around 2:40 AM CST. The maximum width of the tornado was 70 yards. Another tornado was reported in Brothertown in Calumet County around 4 AM CST.

Event 2: June 20, 1954

The F2 tornado developed around 4 AM CST in Brothertown in Calumet County. The tornado traveled one mile and had a maximum width of less than 50 yards.

Event 3: May 4, 1959

The F1 tornado was reported to touch down near Wausau in Marathon County around 10:30 AM CST. The tornado was 200 yards wide and traveled a mile before dissipating near Wausau.

Event 4: May 4, 1959

The F1 tornado struck Deerbrook in Langlade County around 11:45 AM CST. The tornado was 100 yards wide and was on the ground for a mile.

Event 5: May 6, 1959

The F2 tornado developed near Symco in Waupaca County and traveled a little over 7 miles to three miles southeast of Clintonville in Outagamie County around 3:20 AM CST. A second tornado hit Outagamie County later that afternoon.

Event 6: September 3, 1961

The F2 tornado touched down near Fenwood in Marathon County around 12:10 AM CST and traveled about 2 miles. The tornado was 35 yards wide. Damage was confined to farm buildings and crops in rural western Marathon County.

Event 7: September 3, 1961

The F1 tornado touched down near Athens in Marathon County around 1 AM CST. The tornado was 35 yards wide and was on the ground for 2 miles.

TORNADO REFERENCE GUIDE – MORNING TORNADOES

MORNING TORNADOES (MID TO NOON LOCAL STANDARD TIME)

Event 8: July 1, 1967

The F1 tornado struck 3 miles east of Kiel in Manitowoc County around 12:45 AM CST. The tornado was 50 yards wide and traveled a half mile before dissipating.

Event 9: June 30, 1968

The F2 tornado touched down 3 miles northwest of Cavour in Forest County around 4 AM CST. The tornado traveled east northeast approximately one mile and had a maximum width of 200 yards. Several buildings were damaged on the Aschenbrenner Farm near Cavour.

Event 10: June 30, 1968

The F1 tornado touched down on the Zern property 3 miles south of Pembine in Marinette County around 4:45 AM CST. The tornado was 100 yards wide and traveled on the ground for a half mile. Trees and a garage were destroyed by the tornado.

Event 11: December 1, 1970

A rare tornado event occurred across north central and northeast Wisconsin on this date. In all, there were four tornadoes on this date, including an F3. What made this event even more unusual was the time of day with all four tornadoes reported between 7 AM and 10:45 AM in the morning. The F1 tornado touched down on the Richard Rutta farm in the town of Hall north of Stevens Point in Portage County. The tornado was 200 yards wide and traveled nearly 3 miles before dissipating.

Event 12: December 1, 1970

Four rare December tornadoes were reported on this date across north-central and northeast Wisconsin. The F2 tornado touched down in Wood County 12 miles southeast of Marshfield or two miles southeast of Arpin on the Fred Cahler farm around 9 AM CST. The tornado traveled 2 miles while reaching a maximum width of 200 yards before dissipating. Several farm buildings were destroyed or damaged on the Fred Cahler farm. The tornadoes on this day are on the only December tornadoes recorded in the NWS Green Bay Service area.

Event 13: December 1, 1970

Four rare and only December tornadoes were reported on this date across north central and northeast Wisconsin. The F2 tornado touched down with severe damage around 9:45 AM CST on the Heschke farm 4 miles northwest of Iola in Waupaca County. The tornado moved east for 28 miles across Waupaca County into Shawano County before dissipating in Pella around 10:30 AM CST. The maximum width of the tornado was 200 yards. Additional damage occurred in the Marion and Pella areas. A lady and her three small children escaped injury when their mobile home was lifted by the tornado and exploded with debris scattered over the field.

Event 14: December 1, 1970

The F3 tornado developed around 10:15 AM CST near Medina in Outagamie County. The tornado moved northeastward at approximately 50 mph, destroying about twenty barns and five homes. The tornado caused additional property damage along a track from Medina to Black Creek and beyond to near County Trunk C in southeastern Shawano County. The tornado was 200 yards wide and dissipated around 10:45 AM CST near Rose Lawn in Shawano County. Damage to farm buildings was estimated at \$500,000 dollars. Damage to a transmission line a mile and a half east of Stephenville was estimated at \$100,000.

Event 15: July 8, 1971

The F1 tornado moved through open country just north of Wisconsin Rapids in Wood County around 2 AM CST. The tornado was 75 yards wide and traveled about two miles before it dissipated. One house trailer moved off its foundation while there was damage to trees in the area.

TORNADO REFERENCE GUIDE – MORNING TORNADOES

MORNING TORNADOES (MID TO NOON LOCAL STANDARD TIME)

Event 16: July 30, 1971

Numerous F0 waterspouts were reported about 4 miles east of Oshkosh in Winnebago County around 7 AM CST. The waterspouts formed east of Oshkosh as cold air with large cyclonic vorticity moved over the warm lake according to the monthly storm report.

Event 17: March 11, 1973

An early season F1 tornado struck Calumet County, 2 miles east of Calumetville around 10:30 AM CST. The tornado was 50 yards wide and traveled two miles before dissipating.

Event 18: June 18, 1973

The F1 tornado touched down on the Brunke Farm 2 miles west of Athens in Marathon County around 11 AM CST. The tornado was 200 yards wide and traveled east for two miles before dissipating.

Event 19: July 12, 1973

The F1 tornado was struck touchdown just south of Boulder Junction in Vilas County around 3 AM CST. The tornado was 100 yards wide and traveled 19.5 miles before dissipating near Sayner in Vilas County. Scattered damage to the woods was reported along the path of the tornado.

Event 20: July 12, 1973

The F1 tornado touched down in Jacksonport in Door County around 7:30 AM CST. The tornado was 100 yards wide and traveled 3 miles. Scattered damage was reported west and south of Jacksonport. As many as six waterspouts were reported by one observer off Jacksonport. A seiche caused a drop of two feet in water level locally about fifteen minutes after passage of the storms.

Event 21: July 12, 1973

The F1 tornado developed 4 miles west of Freedom in Outagamie County around 8 AM CST. The tornado was 100 yards wide and traveled one mile. Farm buildings were destroyed on the Ken Geiger farm 4 miles west of Freedom.

Event 22: June 16, 1979

The F2 tornado developed near Oconto Falls in Oconto County around 9:30 AM CST. The tornado traveled just over 15 miles and reached a maximum width of 100 yards before dissipating 2 miles northeast of Lena. At least 17 frame and mobile homes along with numerous barns were damaged or destroyed. Heavy rains and large hail accompanied the tornado destroying crops along the thunderstorm path.

Event 23: August 4, 1979

The F1 tornado struck near Manitowoc in Manitowoc County around 10 AM CST. Several buildings on a farm were destroyed. There was no documentation on path length or width of the tornado.

Event 24: June 7, 1980

A brief F2 tornado touched down in Valders in Manitowoc County around 12:20 AM CST. The tornado was less than 50 yards wide and was on the ground for less than a quarter of a mile. The brief touchdown resulted in the destruction of a large modern barn and heavy farm equipment. Field crops were beaten down in the vicinity of the storm.

TORNADO REFERENCE GUIDE – MORNING TORNADOES

MORNING TORNADOES (MID TO NOON LOCAL STANDARD TIME)

Event 25: July 5, 1980

The F1 tornado struck the farm of Warren Otto just south of Valders in Manitowoc County around 12:30 AM CST. There was no documentation on path length or width of the tornado. The tornado destroyed a barn and machine shed, and farm machinery on the Warren Otto farm. Other farm buildings in the area also sustained minor damage.

Event 26: April 4, 1981

A brief F2 tornado touched down around 12:35 AM CST 4 miles west of Kiel in Calumet County. The tornado was only 25 yards wide and traveled about a quarter of a mile. Six trailers in a line in the Country Aire Trailer Court were destroyed. One trailer was lifted into the air and deposited upside down.

Event 27: July 3, 1983

The Eagle River Municipal Airport in Vilas County was hit by the F1 tornado at 4:39 AM CST. The tornado was 20 yards wide and traveled a half mile before dissipating. Two single engine planes were destroyed, and thirteen others were damaged. Five eighths inch ropes holding the planes down were shredded. One plane cart-wheeled four hundred feet.

Event 28 April 27, 1984:

The F0 tornado briefly touched down in the township of Saratoga in Wood County around 4:05 AM CST. The tornado was 50 yards wide and traveled a mile before dissipating. Numerous trees were downed, and some residential damage occurred. Hail the size of three quarters of an inch also fell during the storm.

Event 29: July 28, 1991

The F0 waterspout was reported near Rock Island across extreme northern Door County at 10:15 AM CST. A second waterspout was reported near Washington Island.

Event 30: July 28, 1991

The F0 waterspout was reported near Washington Island across extreme northern Door County around 10:15 AM CST. A second waterspout was reported near Rock Island around the same time.

Event 31: June 29, 1995

The F0 tornado touched down 10 miles southwest of Kewaunee in Kewaunee County around 11:05 AM CST. The tornado was 10 yards wide and traveled a tenth of a mile. The weak tornado touched down only for a few seconds in southern Kewaunee County. Minimal crop damage was reported since this brief tornado occurred in open rural country. The tornado appeared to form on the Lake Michigan lake breeze.

Event 32: August 7, 1996

The F2 tornado touched down six and a half miles north of Stratford in Marathon County around 1:45 AM CST, tearing the top portion of a home off, flattened a garage, and snapped off several large trees. The tornado continued east northeast for two and a half miles and reached a maximum width of 200 yards before dissipating two and a half miles north northwest of Fenwood around 1:49 AM CST. As the storm moved east, there was damage to a storage shed and thirty trees on a farm. A dozen of Ginseng shelters were thrown about. The tornado was not on the ground for the entire path.

Event 33: August 7, 1996

The brief F1 tornado touched down one mile north of Stratford in Marathon County around 1:46 AM CST. The tornado was 100 yards wide and only traveled two tenths of a mile before dissipating 1.2 miles northeast of Stratford round 1:47 AM CST. The tornado snapped off numerous large trees, some of which fell on the top of homes. In addition: a barn was flattened while a semi-trailer was flipped over, and a car moved 75 feet.

TORNADO REFERENCE GUIDE – MORNING TORNADOES

MORNING TORNADOES (MID TO NOON LOCAL STANDARD TIME)

Event 34: August 7, 1996

The F1 tornado touched down four tenths of a mile southwest of Shantytown in Manitowoc County around 2:19 AM CST. The tornado was 100 yards wide and traveled nearly a half mile to Shantytown before dissipating around 2:21 AM CST. The tornado tore a 100 yard-swath through a cornfield. In Shantytown, the tornado tore the roof and garage off a home. Pieces of the roof were found one-quarter of a mile away from the home.

Event 35: May 31, 1998

The brief F0 tornado touched down 4 miles west southwest of Mosinee in Marathon County at 12:20 AM CST. The tornado was 50 yards wide and was on the ground for two tenths of a mile before it dissipated 3.8 miles west southwest of Mosinee at 12:21 AM CST.

Event 36: May 31, 1998

The F1 tornado developed a half mile north of Stockbridge in Calumet County around 1:20 AM CST. The EF1 tornado was 75 yards wide and traveled 1.4 miles before dissipating 2 miles northeast of Stockbridge around 1:24 AM CST. The tornado destroyed a garage and silo, damaged two barns and overturned farm vehicles. A 2-by-4 was driven through the exterior wall of a house, narrowly missing one of the sleeping children.

Event 37: June 8, 2003

The F0 waterspout was reported 4.3 miles west of Brothertown in Calumet County at 12:42 PM CST. The waterspout was 40 yards wide and traveled four tenths of a mile before dissipating 4.1 miles west southwest of Brothertown at 12:46 PM CST.

Event 38: May 23, 2004

The F0 tornado touched down 2.7 miles east of Reedsville in Manitowoc County at 5:47 AM CST. The tornado was 75 yards wide and was on the ground for a tenth of a mile. The tornado damaged shingles and siding on a house and snapped trees and large branches.

Event 39: September 29, 2006

The F0 waterspout was reported off Door County, from Chambers Island to 12 miles southeast of Cedar River, Michigan around 9:20 AM CST. The last report of the waterspout was around 9:55 AM CST.

Event 40: August 7, 2013

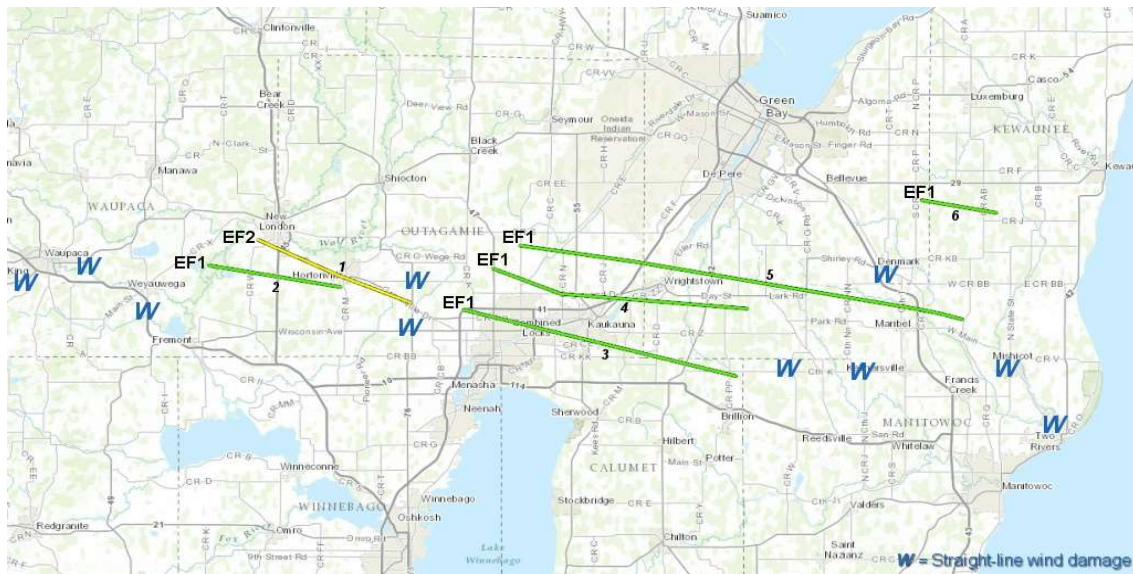
The last tornado of the night to strike Northeast Wisconsin on this date, the EF1 tornado touched down a half mile south southeast of Henrysville in Brown County around 12:05 CST. The tornado was traveling at a rate of 60 to 70 mph as it moved across the region. A couple dozen trees were damaged or uprooted. In Brown County, the maximum width of the tornado was one hundred yards with an average width of seventy-five yards. An EF1 tornado moved into Kewaunee County about three miles southwest of Pilsen around 12:06 AM CST. The tornado caused the walls and roof of a barn to collapse and damaged two silos. The tornado also uprooted several dozen trees along its path. In Kewaunee County, the maximum width of the tornado was 100 yards with an average width of seventy-five yards. The tornado traveled 5.6 miles before dissipating one mile northeast of Stangelville around 12:10 AM CST.

TORNADO REFERENCE GUIDE –MORNING TORNADOES

MORNING TORNADOES (MID TO NOON LOCAL STANDARD TIME)

Event 40: August 7, 2013 Continued

Rare Late Evening / Early Morning Tornadoes on August 6-7, 2013



Event 41: June 26, 2016

The EF1 tornado touched down 4.2 east southeast of Symco in Waupaca County around 1:30 AM CST. The tornado was 100 yards wide and traveled just over two and a half miles before dissipating 6.4 miles north northeast of Northport around 1:35 AM CST. At least half dozen trees were snapped along the path and several trees were uprooted. Several farm buildings were heavy damaged, with metal from the buildings strewn downwind hundreds of yards. A manufactured home was pushed off its block foundation.

Event 42: August 4, 2016

The EF1 tornado touched down a little over five miles of Colby (1.3 NNE Cherokee) in Marathon County around 10:20 AM CST. The tornado was 250 yards wide and affected sixteen homesteads and farms. One barn collapsed and three others sustained at least minor damage. Five homes sustained roof damage and several sheds were damaged or destroyed. A church steeple was damaged, and several dozen trees were snapped or uprooted. The average path wide was 125 yards with a maximum width of 250 yards. The tornado traveled just under four and a half miles before dissipating 4.4 miles south southwest of Stratford around 10:26 AM CST.

Event 43: August 20, 2016

The EF0 tornado touched down on the west side of Kewaunee in Kewaunee County around 9:03 AM CST. The tornado was 125 yards wide with about 100 trees sustaining some damage. Several trees were uprooted to the saturated ground. Several homes on the west side of Kewaunee had shingle or siding damage. Also, a baseball dugout at a school was blown down. The tornado traveled seven tenths of a mile before dissipating 1.1 miles west of downtown Kewaunee around 9:06 AM CST.

Event 44: July 20, 2018

The EF0 tornado touched down around 11:55 AM CST nearly a mile and a half northwest of Silver Lake, or near Highway 21 about mile southeast of Wautoma in Waushara County. Several witnesses observed the tornado on the ground for 10 to 15 seconds. A few white pine branches were broken. The tornado was 10 yards wide and traveled a tenth of a mile before dissipating at 11:56 AM CST.

TORNADO REFERENCE GUIDE –MORNING TORNADOES

MORNING TORNADOES (MID TO NOON LOCAL STANDARD TIME)

Event 45: July 20, 2019

The EF1 tornado touched down near one and a half miles south-southeast of Waupaca around 9:55 AM CST. The tornado formed south of Waupaca and moved east-northeast to near White Lake. The tornado damaged siding and shingles on six homes and an apartment in a new subdivision near the Waupaca Airport. The garage door of a newer home was blown completely in, causing damage to the roof of the house. Another house had a small part of its roof heavily damaged. Numerous trees were also damaged along the path. Peak winds were estimated around 90 mph. The tornado was 80 yards wide and traveled about seven and a half miles before dissipating at 10:03 AM CST two miles east-southeast of White Lake.

Event 46: July 20, 2019

The EF0 tornado touched down just over a half mile south-southwest of Weyauwega around 10 AM CST, damaging several trees on the south side of Weyauwega. Peak winds estimated at 75 mph. The tornado was 50 yards wide and traveled just short of a mile and a half before dissipating around 10:02 AM CST one mile east of Weyauwega.

Event 47: July 20, 2019

The EF0 tornado touched down nearly two miles south-southwest of New London at 10:09 AM CST. The tornado damaged a few trees before entering Outagamie County at 11:10 AM CST about 1.4 miles south of New London. In Outagamie County, the tornado continued northeast and destroyed a storage shed, heavily damaged trees and ripped shingles and siding off a house. A power pole also fell onto a car. Peak winds were estimated around 90 mph. The maximum width of the tornado was 90 yards and traveled seven and a half miles before dissipating around 10:20 AM CST nearly three miles southwest of Shiocton.

Event 48: July 20, 2019

The EF1 tornado touched down around 10:18 AM CST nearly two and a half miles east of Hortonville. The tornado damaged three power poles, destroyed a car port of an outbuilding, partially damaged two outbuildings, removed siding off a couple houses, and damaged trees along its path. Estimated peak winds were around 90 mph. The tornado was 5 yards wide and traveled around three and a half miles before dissipating around 10:22 AM CST just over three miles east-southeast of Stephenville.

Event 49: July 20, 2019

The EF0 tornado touched down around 10:22 AM CST nearly two miles northeast of Greenville. The brief tornado damaged a few tree limbs and took some shingles and siding off a house northeast of Greenville. A power pole was also damaged. Peak winds were estimated near 85 mph. The tornado was 50 yards wide and nearly three quarters of a mile before dissipating around 10:23 AM CST around two and a half miles northeast of Greenville.

Event 50: July 20, 2019

The EF0 tornado touched down around 10:36 AM CST just over three miles east-northeast of Little Chute. The tornado damaged the roof of a barn and silo top northeast of Kaukauna. Peak winds were estimated at 80 mph. The tornado was 50 yards wide and traveled just over a mile before dissipating around 10:38 am CST just over four miles east-northeast of Little Chute.

TORNADO REFERENCE GUIDE – EARLY SEASON TORNADOES (EARLIEST TORNADOES IN A CALENDAR YEAR)

Rank	Month	Day	Year	EF	TOR in GRB Service Area - County or Counties
1	3	11	1973	1	Calumet
2	3	29	1998	0	Lincoln
3	3	30	1982	1	Portage, Wood
4	3	31	1967	2	Wood
5T	4	3	1956	2	Portage
5T	4	3	1956	4	Waushara, Winnebago
7	4	4	1981	2	Calumet
8	4	6	1956	2	Waupaca
9	4	9	2017	1	Marathon
9T	4	10	2011	3	Marathon, Lincoln
9T	4	10	2011	1	Waushara
9T	4	10	2011	1	Langlade
9T	4	10	2011	1	Waushara, Waupaca, Outagamie
9T	4	10	2011	2	Forest, Florence
9T	4	10	2011	1	Waushara, Winnebago
9T	4	10	2011	1	Forest
9T	4	10	2011	2	Outagamie
9T	4	10	2011	1	Brown
9T	4	10	2011	1	Calumet
19T	4	12	1974	2	Marathon
19T	4	12	1974	2	Shawano
21	4	15	1954	2	Waushara
22T	4	18	2002	0	Lincoln
22T	4	18	2002	0	Oneida
22T	4	18	2002	0	Oneida
22T	4	18	2002	1	Marathon
22T	4	18	2002	0	Marathon
27T	4	19	1957	2	Waushara
27T	4	19	1957	1	Portage
29	4	20	1992	1	Wood

Note: EF scale indicates strongest tornado noted on the date of the event.

TORNADO REFERENCE GUIDE – LATE SEASON TORNADOES (LATEST TORNADOES IN A CALENDAR YEAR)

Rank	Month	Day	Year	EF	TOR in GRB Service Area - County or Counties
1T	12	1	1970	1	Portage
1T	12	1	1970	2	Wood
1T	12	1	1970	2	Shawano - Waupaca
1T	12	1	1970	3	Outagamie - Shawano
5	11	15	1960	2	Marathon
6T	10	8	1992	1	Waushara
6T	10	8	1992	1	Portage
8	10	3	2018	0	Shawano
9T	9	30	2002	1	Florence
9T	9	30	2002	2	Lincoln
11	9	29	2006	0	Door (waterspout)
12T	9	28	1971	2	Lincoln
12T	9	28	1971	3	Langlade, Lincoln, Marathon, Marinette, Oconto
12T	9	28	1971	3	Marathon
15	9	26	1951	4	Portage, Waupaca
16	9	24	1984	2	Marathon
17	9	20	1980	1	Shawano
18T	9	19	1999	0	Door (waterspout)
18T	9	19	1988	0	Marathon
18T	9	19	1988	0	Waushara
18T	9	19	1963	1	Forest
22T	9	18	2012	0	Door (waterspout)
22T	9	18	1950	3	Waupaca
24	9	16	1972	2	Forest, Marinette
25	9	14	1991	0	Shawano
26	9	13	2005	0	Brown
27	9	9	1999	0	Door (waterspout)
28	9	6	2001	0	Oneida
29T	9	3	1961	1	Lincoln
29T	9	3	1961	1	Marathon
29T	9	3	1961	2	Marathon

Note: EF scale indicates strongest tornado noted on the date of the event.

TORNADO REFERENCE GUIDE – LARGEST SINGLE DAY OUTBREAKS (ENTIRE YEAR)

				MAX	
# TOR	MONTH	DATE	YEAR	F/EF	COUNTY OR COUNTIES
10	6	15	2022	2	Marinette, Outagamie, Shawano, Waupaca, Waushara
10	6	14	2017	1	Outagamie, Shawano, Waushara, Winnebago
10	4	10	2011	3	Brown, Calumet, Florence, Forest, Langlade, Lincoln, Marathon, Outagamie, Waupaca, Waushara, Winnebago
8	6	4	2005	0	Marathon, Waushara
7	7	16	1997	2	Lincoln, Marathon, Waushara
6	7	20	2019	1	Outagamie, Waupaca
6	8	6-7	2013	2	Brown, Calumet, Kewaunee, Manitowoc, Outagamie, Waupaca
6	6	10	2005	0	Marathon, Waupaca, Winnebago
6	7	11	2004	0	Lincoln, Oneida
6	6	23	2004	2	Brown, Outagamie, Portage, Waupaca, Waushara
6	4	27	1984	4	Oneida, Vilas, Menominee, Shawano, Waupaca, Winnebago, Outagamie
6	6	13	1976	2	Langlade, Lincoln, Marathon, Oconto, Outagamie, Portage
6	4	22	1970	2	Brown, Door, Kewaunee
5	6	7	2007	3	Langlade, Marathon, Marinette, Oconto, Shawano, Wood
5	8	18	2005	1	Brown, Manitowoc, Waupaca, Waushara, Winnebago
5	4	18	2002	1	Lincoln, Marathon, Oneida
5	7	18	1996	1	Calumet, Lincoln, Winnebago
4	7	9	2013	0	Langlade, Lincoln, Oconto, Portage
4	6	8	2003	0	Calumet, Winnebago, Wood
4	6	8	1993	0	Waushara, Winnebago
4	5	16	1992	2	Brown, Outagamie, Portage, Waupaca
4	6	26	1969	3	Lincoln, Oconto, Outagamie, Shawano, Vilas

Note: EF scale indicates strongest tornado noted on the date of the event.

TORNADO REFERENCE GUIDE - TORNADO OUTBREAKS BY MONTH

LARGEST SINGLE DAY JANUARY TORNADO OUTBREAKS

#TOR	Month	Day	Year	F/EF	TOR in GRB Service Area - County or Counties
					No tornadoes were reported during the month

LARGEST SINGLE DAY FEBRUARY TORNADO OUTBREAKS

#TOR	Month	Day	Year	F/EF	TOR in GRB Service Area - County or Counties
					No tornadoes were reported during the month

LARGEST MARCH TORNADO OUTBREAKS

# TOR	Month	Date	Year	F/EF	TOR in GRB Service Area - County or Counties
1	3	29	1998	0	Lincoln
1	3	30	1982	1	Portage, Wood
1	3	11	1973	1	Calumet
1	3	31	1967	2	Wood

LARGEST APRIL TORNADO OUTBREAKS

# TOR	MONTH	DATE	YEAR	F/EF	TOR in GRB Service Area - County or Counties
10	4	10	2011	3	Brown, Calumet, Florence, Forest, Langlade, Lincoln, Marathon, Outagamie, Waupaca, Waushara, Winnebago
6	4	27	1984	4	Oneida, Vilas, Menominee, Shawano, Waupaca, Winnebago, Outagamie
6	4	22	1970	2	Brown, Door, Kewaunee
5	4	18	2002	1	Lincoln, Marathon, Oneida
3	4	3	1956	2	Portage, Winnebago, Waushara

Note: F/EF scale indicates strongest tornado noted on the date of the event.

TORNADO REFERENCE GUIDE - TORNADO OUTBREAKS BY MONTH

LARGEST MAY TORNADO OUTBREAKS

# TOR	MONTH	DATE	YEAR	F/EF	TOR in GRB Service Area - County or Counties
4	5	16	1992	2	Brown, Outagamie, Portage, Waupaca
3	5	24	1989	1	Calumet, Manitowoc, Winnebago
3	5	8	1988	2	Portage, Waushara, Winnebago
3	5	30	1980	1	Oconto, Outagamie, Shawano
3	5	8	1964	2	Brown, Calumet, Marathon, Outagamie, Waupaca, Winnebago
3	5	28	1959	1	Brown, Winnebago

LARGEST JUNE TORNADO OUTBREAKS

# TOR	MONTH	DATE	YEAR	F/EF	TOR in GRB Service Area - County or Counties
10	6	15	2022	2	Marinette, Outagamie, Shawano, Waupaca, Waushara
10	6	14	2017	1	Outagamie, Shawano, Waushara, Winnebago
7	6	4	2005	0	Marathon, Waushara
6	6	23	2004	2	Brown, Outagamie, Portage, Waupaca, Waushara
6	6	13	1976	2	Langlade, Lincoln, Marathon, Oconto, Outagamie, Portage
5	6	7	2007	3	Langlade, Marathon, Marinette, Oconto, Shawano, Wood
4	6	8	2003	0	Calumet, Winnebago, Wood
4	6	8	1993	0	Waushara, Winnebago
4	6	26	1969	3	Lincoln, Oconto, Outagamie, Shawano, Vilas
3	6	20	2020	0	Winnebago
3	6	10	2005	0	Marathon, Waupaca, Winnebago
3	6	13	1981	2	Oneida, Vilas
3	6	14	1980	1	Oneida, Vilas

Note: F/EF scale indicates strongest tornado noted on the date of the event.

TORNADO REFERENCE GUIDE - TORNADO OUTBREAKS BY MONTH

LARGEST JULY TORNADO OUTBREAKS

# TOR	MONTH	DATE	YEAR	F/EF	TOR in GRB Service Area - County or Counties
7	7	16	1997	2	Lincoln, Marathon, Waushara
6	7	20	2019	1	Outagamie, Waupaca
6	7	11	2004	0	Lincoln, Oneida
5	7	18	1996	1	Calumet, Lincoln, Winnebago
4	7	9	2013	0	Lincoln, Langlade, Oconto, Portage
4	7	30	2002	0	Lincoln, Marathon
4	7	3	1983	2	Marathon, Shawano, Vilas, Wood
3	7	19	2019	1	Lincoln, Marathon, Oneida
3	7	29	2008	0	Marathon, Marinette, Wood
3	7	12	1973	1	Door, Outagamie, Vilas

LARGEST AUGUST TORNADO OUTBREAKS

# TOR	MONTH	DATE	YEAR	F/EF	TOR in GRB Service Area - County or Counties
6	8	6-7	2013	2	Brown, Calumet, Kewaunee, Manitowoc, Outagamie, Waupaca
5	8	18	2005	1	Brown, Manitowoc, Waupaca, Waushara, Winnebago
3	8	9	2020	1	Florence, Forest, Vilas
3	7	6	2015	1	Oconto, Shawano, Waupaca
3	8	23	2011	0	Calumet, Shawano, Wood
3	8	7	1996	2	Marathon
3	8	1	1988	1	Oneida, Vilas
2	8	23	1998	3	Door, Winnebago
2	8	27	1994	1	Marinette, Waushara
2	8	12	1985	2	Waushara, Wood
2	8	9	1979	2	Brown, Calumet
2	8	19	1968	4	Marathon, Marinette
2	8	16	1968	2	Brown, Outagamie

Note: F/EF scale indicates strongest tornado noted on the date of the event.

TORNADO REFERENCE GUIDE - TORNADO OUTBREAKS BY MONTH

LARGEST SINGLE DAY SEPTEMBER TORNADO OUTBREAKS

#TOR	Month	Day	Year	F/EF	TOR in GRB Service Area - County or Counties
3	9	28	1971	3	Lincoln, Marathon, Marinette, Oconto
3	9	3	1961	2	Lincoln, Marathon
2	9	30	2002	2	Florence, Lincoln
2	9	2	2002	1	Marathon
2	9	19	1988	0	Marathon, Waushara

LARGEST SINGLE DAY OCTOBER TORNADO OUTBREAK

#TOR	Month	Day	Year	F/EF	TOR in GRB Service Area - County or Counties
2	10	8	1992	1	Portage, Waushara
1	10	3	2018	0	Shawano

LARGEST SINGLE DAY NOVEMBER TORNADO OUTBREAK

#TOR	Month	Day	Year	F/EF	TOR in GRB Service Area - County or Counties
1	11	15	1960	2	Marathon
					**Only tornado reported during the month in the month of November.

LARGEST SINGLE DAY DECEMBER TORNADO OUTBREAK

#TOR	Month	Day	Year	F/EF	TOR in GRB Service Area - County or Counties
4	12	1	1970	3	Outagamie, Shawano, Waupaca, Wood
					**Only tornado outbreak during the month of December.

Note: F/EF scale indicates strongest tornado noted on the date of the event.

TORNADO / WATERSPOUT REFERENCE GUIDE - JANUARY

JANUARY

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
NONE							

TORNADO / WATERSPOUT REFERENCE GUIDE – FEBRUARY

FEBRUARY

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
NONE							

TORNADO / WATERSPOUT REFERENCE GUIDE – MARCH

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
1	2	3	31	1967	23:49	Marshfield	Wood
2	1	3	11	1973	10:30	2 E Calumetville	Calumet
3	1	3	30	1982	14:05-14:40	Armenia - 3 SW Stevens Point	Portage, Wood
4	0	3	29	1998	19:28-19:35	3 W - 3 N Tomahawk	Lincoln

Event 1: March 31, 1967

The F2 tornado touched down in Marshfield around 11:49 PM CST. The tornado traveled approximately two miles and had a maximum width of 35 yards. The tornado destroyed or damaged several buildings including a mobile home plant.

Event 2: March 11, 1973

The early season F1 struck Calumet County, 2 miles east of Calumetville around 10:30 AM CST. The tornado was 50 yards wide and traveled two miles before dissipating.

Event 3: March 30, 1982

The tornado initially touched down in the township of Armenia in Juneau County where it destroyed a house and 3 nearby mobile homes. Two occupants of the house were injured. The F1 tornado then moved northeast to just southeast of Nekoosa in Wood County around 2:05 PM CST. The tornado traveled intermittently on a 28 mile-path before dissipating 3 miles southwest of Stevens Point in Portage County around 2:40 PM CST.

Event 4: March 29, 1998

The F0 tornado touched down in 3 miles west of Tomahawk in Lincoln County at 7:28 PM CST. The tornado was 75 yards wide and traveled four and a half miles before dissipating 3 miles north of Tomahawk at 7:35 PM CST. The tornado damaged several sheds, garages and a pole building west of Tomahawk. The storm also downed many power poles, disrupting power to thousands of customers.

TORNADO / WATERSPOUT REFERENCE GUIDE – APRIL

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
1	2	4	15	1954	15:00	2 NE Neshkoro - Redgranite	Marquette, Waushara
2	2	4	3	1956	12:50	3 S Bancroft - 2 NW Amherst	Portage
3	4	4	3	1956	13:45-13:53	Berlin - 2 W Omro	Waushara, Winnebago
4	2	4	6	1956	13:45-13:53	Ogdensburg - Symco	Waupaca
5	2	4	19	1957	16:00-16:15	3 W Wautoma - 2 NW West Bloomfield	Waushara
6	1	4	19	1957	16:00	Coddington - Bancroft	Portage
7	1	4	24	1960	16:00	7 SW Valders	Manitowoc
8	2	4	22	1970	20:40	Ashwaubenon to Green Bay north side	Brown
9	2	4	22	1970	21:00	De Pere to Green Bay	Brown
10	2	4	22	1970	21:00-21:10	1 N Casco - Rio Creek	Door, Kewaunee
11	2	4	22	1970	21:20-21:30	7 SE Maplewood	Door
12	2	4	22	1970	21:20	Algoma - 6 NE Algoma	Kewaunee
13	1	4	22	1970	21:10	2 NE Poland - 4 SE Luxemburg	Brown, Kewaunee
14	0	4	22	1971	17:30	4 SW Hilbert	Calumet
15	2	4	12	1974	14:05	5 W Athens	Marathon
16	2	4	12	1974	14:15	Wittenberg - Bowler	Shawano
17	4	4	21	1974	14:40-15:08	5 S Ripon - Oshkosh	Winnebago
18	2	4	21	1974	15:25	4 NNW Crivitz	Marinette
19	2	4	4	1981	00:35	4 W Kiel	Calumet
20	0	4	27	1984	04:05	Saratoga	Wood
21	2	4	27	1984	14:50	4 NW Antigo	Langlade
22	3	4	27	1984	14:37-15:07	Fawn Lake - Star Lake	Oneida, Vilas
23	3	4	27	1984	14:55-15:40	Union (Waupaca Co) - Legend Lake	Menominee, Shawano, Waupaca
24	4	4	27	1984	15:20-15:40	1 NE Winneconne - Freedom	Winnebago, Outagamie
25	2	4	27	1984	14:15	0.5 S Plover	Portage
26	1	4	20	1992	16:00-16:20	2 SW Arpin - Bakerville	Wood
27	0	4	24	1994	15:25	3 S Luxemburg	Kewaunee
28	1	4	26	1994	14:55-15:05	1.5 N Conover - 3 SE Land O'Lakes	Vilas
29	0	4	25	1996	17:55-17:57	2 W Pensaukee	Oconto
30	0	4	23	2001	13:26-13:46	12 NW - 9 NW Sturgeon Bay (waterspout)	Door
31	0	4	18	2002	15:49	2 W Bradley	Lincoln
32	0	4	18	2002	15:57	6 SW Woodboro	Oneida
33	0	4	18	2002	16:33	4 E Rhineland	Oneida
34	1	4	18	2002	18:13-18:27	3 SE Stratford - 6 NW Mosinee	Marathon
35	0	4	18	2002	18:32	6 SSW Wausau Airport	Marathon
36	3	4	10	2011	17:08-17:41	2 N Hamburg - 1 SW Bloomville	Marathon, Lincoln
37	1	4	10	2011	17:35-17:42	2 NW Coloma - 4 ESE Hancock	Waushara
38	1	4	10	2011	17:50-17:58	5 S Parrish	Langlade
39	1	4	10	2011	18:06-18:43	1 SW Saxeville - 1 SE Hortonville	Waushara, Waupaca, Outagamie
40	2	4	10	2011	18:30-18:46	3 SE Argonne - 6 SE Long Lake	Forest, Florence

TORNADO / WATERSPOUT REFERENCE GUIDE – APRIL

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
41	1	4	10	2011	18:53-19:04	0.3 NW Poy Sippi - 2.3 WSW Winchester	Waushara, Winnebago
42	1	4	10	2011	19:03-19:08	3 SE Argonne - 6 SE Long Lake	Forest, Florence
43	2	4	10	2011	19:43-19:46	0.3 NW Poy Sippi - 2.3 WSW Winchester	Waushara, Winnebago
44	1	4	10	2011	19:53-19:55	1.2 NNE Askeaton - 1.4 S Greenleaf	Brown
45	1	4	10	2011	19:59-20:01	1.6 NW Quinney - 1.5 SSE Stockbridge	Calumet
46	1	4	9	2017	23:54-23:55	5.0 SSW Taegesville - 4.9 S Taegesville	Marathon

TORNADO / WATERSPOUT REFERENCE GUIDE – APRIL

Event 1: April 15, 1954

The F2 tornado struck around 3 PM CST two miles northeast of Neshkoro in Waushara County. The tornado traveled approximately six miles and reached a maximum width of 30 yards before dissipating at Redgranite. Widespread damage was reported at Redgranite, Lohrville and Spring Lake. Numerous small buildings and trees were damaged. The greatest single property damage occurred at the St. Marks Catholic Church in Redgranite. The frame structure was badly shaken by the storm, resulting in jammed doors and dislodged staircases and shattered walls. In the Spring Lake-Lohrville area, the greatest damage was in the town of Marion where a large barn was leveled. The wind scattered the tin roof for hundreds of yards in several directions.

Event 2: April 3, 1956

A strong spring storm killed 43 people nationwide, including eight in Wisconsin on this date. The F2 tornado developed 3 miles south of Bancroft in Portage County around 12:50 PM CST. The tornado traveled 18.2 miles to two miles northwest of Amherst before dissipating. The tornado reached a maximum width of 100 yards. Two fatalities were reported in Portage County.

Event 3: April 3, 1956

Unseasonably warm air ahead of a strong cold front triggered showers and thunderstorms across the state. The F4 tornado developed near Berlin in Green Lake County around 1:45 PM CST and traveled 11.5 miles across rural areas of southeast Waushara County near the town of Aurora; then dissipated around 1:53 PM CST two miles west of Omro in Winnebago County. The tornado was 440 yards wide. Berlin was hit the hardest with six killed and 50 injured. Severe storms killed eight people across the state on this day.

Event 4: April 6, 1956

The F2 tornado developed near Ogdensburg in Waupaca County around 1:45 PM CST. The tornado traveled 7 miles to Symco before dissipating around 1:53 PM CST. The tornado reached a maximum width of 100 yards.

Event 5: April 19, 1957

The F2 tornado developed 3 miles west of Wautoma in Waushara County around 4 PM CST. The tornado traveled nearly 23 miles and reached a maximum width of 50 yards before dissipating two miles northwest of West Bloomfield around 4:15 PM CST. No fatalities were reported at a farmhouse that was leveled in rural Wild Rose. The farm of Reuben Anderson, Route 2 Wild Rose was the principal destruction point in Waushara County. The tornado destroyed a 34 by 56-foot barn, a 10 by 30-foot wood silo, a chicken coop, a milk house, and woodshed.

Event 6: April 19, 1957

The F1 tornado touched down in Coddington, 12 miles southwest of Bancroft, in Portage County around 4 PM CST. The tornado traveled about 12 miles and reached a maximum width of less than 50 yards before dissipating in Bancroft.

Event 7: April 24, 1960

The F1 tornado touched down 7 miles southwest of Valders in Manitowoc County around 4 PM CST. The tornado was less than 50 yards wide and traveled about a mile before dissipating.

TORNADO / WATERSPOUT REFERENCE GUIDE – APRIL

Event 8: April 22, 1970

Several tornadoes were reported across north-central and northeast Wisconsin on this date. The F2 tornado touched down around 8:40 PM CST in Ashwaubenon and moved northeast about four miles to the north side of Green Bay. Maximum width of the tornado was 800 yards. Much of the damage was concentrated in the Lambeau Field area. Among the most seriously damaged businesses were the Midway Motor Lodge motel and the nearby Forum Supper Club as well as property at Nanco Corporation. There were reports of damage to tunnels connecting the Brown County Arena to an annex. Several cars in the area parking lot were damaged by flying debris. Roofs of several houses were damaged, and garages and barns were reported destroyed. Meanwhile, snow was occurring across northwest Wisconsin. Superior reported six inches of snow on the ground during the evening of the 22nd.

Event 9: April 22, 1970

Several tornadoes were reported across north-central and northeast Wisconsin on this date. The F2 tornado touched down around 9 PM CST in De Pere and traveled northeast for 7 miles through Allouez and then into the southeast side of Green Bay. The maximum width of the tornado was 800 yards. A church steeple was toppled in De Pere. Damage was reported at a lumber yard and canning company at Baird and Main Streets in Green Bay. Meanwhile, snow was occurring across northwest Wisconsin. Superior reported six inches of snow on the ground during the evening of the 22nd.

Event 10: April 22, 1970

Several tornadoes were reported across north-central and northeast Wisconsin on this date. The F2 tornado touched down around 9 PM CST one mile north of Casco in Kewaunee County. The tornado moved northeast for 11 miles before dissipating near Rio Creek in southern Door County around 9:10 PM CST. The tornado reached a maximum width of 500 yards. Fifteen barns near Casco and Rio Creek were destroyed. Two persons were injured when their house trailer was upended south of Forestville. Meanwhile, snow was occurring across northwest Wisconsin. Superior reported six inches of snow on the ground during the evening of the 22nd.

Event 11: April 22, 1970

Several tornadoes were reported across north central and northeast Wisconsin on this date. The F2 tornado touched down around 9:20 PM CST seven miles southeast of Maplewood in Door County. This may be the same tornado that tore through eastern Kewaunee County from Algoma to 6 miles northeast of Algoma. The tornado traveled about four miles and reached 500 yards in width in Door County before dissipating.

Event 12: April 22, 1970

Several tornadoes were reported across north-central and northeast Wisconsin on this date. The F2 tornado touched down around 9:20 PM CST from Algoma to 6 miles northeast of Algoma in Kewaunee County. The tornado traveled about five miles and reached a maximum width of 500 yards. Extensive damage was reported near Algoma northeast along the Lake Michigan shoreline. Among the buildings destroyed were a warehouse and a church steeple. Meanwhile, snow was occurring across northwest Wisconsin. Superior reported six inches of snow on the ground during the evening of the 22nd.

Event 13: April 22, 1970

The F2 tornado developed 2 miles northeast of Poland in extreme eastern Brown County around 9:10 PM CST. The tornado was 500 yards wide and traveled just over 7 miles to near Luxemburg in Kewaunee County before dissipating. Several farms were damaged and leveled the Kewaunee County Fair Grandstand at Luxemburg.

Event 14: April 22, 1971

The F0 tornado touched down briefly 4 miles southwest of Hilbert in Calumet County around 5:30 PM CST. The tornado was 25 yards wide and traveled three tenths of a mile.

TORNADO / WATERSPOUT REFERENCE GUIDE – APRIL

Event 15: April 12, 1974

The F2 tornado briefly touched down 5 miles west of Athens in Marathon County around 2:05 PM CST. The tornado traveled 2 miles and reached a maximum width of 150 yards before dissipating. One barn was destroyed and wires down. Two horses in the field were rolled over by the tornado.

Event 16: April 12, 1974

The F2 tornado touched down in Wittenberg in Shawano County around 2:15 PM CST. The tornado traveled nearly 11 miles and reached a maximum width of 150 yards before dissipating near Bowler. Several farms between Wittenberg and Bowler were destroyed. The Wendler farm in the town of Morris and the Watters and Hintz farms in the town of Seneca sustained severe damage. One injury was reported when Mr. Hintz was injured when he was struck by a flying board.

Event 17: April 21, 1974

The F4 tornado first touched down 5 miles south of Ripon in Fond Du Lac County at about 2:40 PM CST. The tornado destroyed or severely damaged buildings on about 30 farms before approaching southwest Oshkosh at 2:58 PM CST. The tornado lifted 10 minutes later over northwest Oshkosh. The tornado traveled 26 miles and reached a maximum width of 200 yards. At Oshkosh, the tornado damaged 400 homes and business with 33 of the houses destroyed. Damage was estimated at 4.2 million dollars. In Oshkosh, thirty-five people were treated for injuries with only ten people injured seriously enough to be hospitalized.

Event 18: April 21, 1974

The F2 tornado touched down 4 miles north northwest of Crivitz in Marinette County around 3:25 PM CST. The tornado was 200 yards wide and traveled four miles before dissipating.

Event 19: April 4, 1981

The brief F2 tornado touched down around 12:35 AM CST 4 miles west of Kiel in Calumet County. The tornado was only 25 yards wide and traveled about a quarter of a mile. Six trailers in a line in the Country Aire Trailer Court were destroyed. One trailer was lifted into the air and deposited upside down.

Event 20 April 27, 1984:

The F0 tornado briefly touched down in the township of Saratoga in Wood County around 4:05 AM CST. The tornado was 50 yards wide and traveled a mile before dissipating. Numerous trees were downed, and some residential damage occurred. Hail the size of three quarters of an inch also fell during the storm.

Event 21: April 27, 1984

There were ten tornadoes on this date across the entire state. The F2 tornado touched 4 miles northwest of Antigo in Langlade County around 2:50 PM CST. The tornado was 20 yards wide and traveled 7.5 miles across Langlade County. One home and three barns were demolished, and twenty-five head of dairy cows were crushed to death in one barn.

Event 22: April 27, 1984

The F3 tornado developed near Fawn Lake in Oneida County around 2:37 PM CST. The tornado traveled to near Star Lake in Vilas County before dissipating around 3:07 PM CST. The tornado leveled several thousand acres of forest, destroyed or damaged 80 homes and cabins, ripped up docks and tossed boats in the air or wrapped them around trees. A Fawn Lake man was killed after getting his family to safety. The hardest hit areas were Fawn Lake, Two Lakes, Hasbrook and Gilmore Lakes in Oneida County. In Vilas County, the hardest hit areas were St. Germain Lake, Lost Lake and Star Lake. The tornado traveled 29 miles and reached a maximum width of 880 yards.

TORNADO / WATERSPOUT REFERENCE GUIDE – APRIL

Event 25: April 27, 1984

There were ten tornadoes on this date across the entire state. The F2 tornado touched down a half mile south of Plover in Portage County around 2:15 PM CST. The tornado was 220 yards wide and traveled five and a half miles before dissipating. At least nine homes and numerous sheds and barns were destroyed. A bun feeder wagon was thrown 150 yards which snapped a 65-foot cement silo. Ping pong size hail accompanied the storm.

Event 26: April 20, 1992:

The F1 tornado formed 2 miles southwest of Arpin in Wood County around 4 PM CST. The tornado was 25 yards wide and traveled 9.5 miles before dissipating a half mile south of Bethel or near Bakerville around 4:20 PM CST. Damage included: a shed was knocked down near Arpin, a mobile home was picked up and twisted around near Bethel and some roof damage was reported at Bakerville.

Event 27: April 24, 1994

The F0 tornado touched down 3 miles south of Luxemburg in Kewaunee County around 3:25 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. No damage was reported with this storm.

Event 28: April 26, 1994

The F1 tornado touched down a mile and a half north of Conover in Vilas County around 2:55 PM CST. The tornado was 150 yards wide and traveled four and a half miles before dissipating 3 miles southeast of Land O' Lakes around 3:05 PM CST. The tornado damaged a house just north of Conover and leveled hundreds of trees along its path into the Nicolet National Forest.

Event 29: April 25, 1996

A cold-core F0 tornado briefly touched down 2 miles west of Pensaukee in Oconto County around 5:55 PM CST. The tornado was 40 yards wide and traveled a tenth of a mile before dissipating at 5:57 PM CST. Several 6 to 8 inches diameter birch trees were knocked down.

Event 30: April 23, 2001

The F0 waterspout developed 6 miles west southwest of Fairland in Door County around 1:26 PM CST. The waterspout moved north along the shoreline before it dissipated 9 miles northwest of Sturgeon Bay.

Event 31: April 18, 2002

The brief F0 tornado touched down 2 miles west of Bradley in Lincoln County at 3:49 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado snapped several trees.

Event 32: April 18, 2002

The brief F0 tornado touched down 6 miles southwest of Woodboro in Oneida County at 3:57 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado snapped several trees.

Event 33: April 18, 2002

The brief F0 tornado touched down 4 miles east of Rhinelander in Oneida County at 4:33 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado snapped several trees.

Event 34: April 18, 2002

The F1 tornado formed 3 miles southeast of Stratford in Marathon County around 6:13 PM CST. The tornado was 100 yards wide and traveled 14 miles before dissipating 6 miles northwest of Mosinee around 6:27 PM CST. The tornado downed hundreds of trees, while numerous barns and farm sheds were destroyed by a combination of the tornado and straight-line winds. Plows had to be used to clear trees from some of the roads.

TORNADO / WATERSPOUT REFERENCE GUIDE – APRIL

Event 35: April 18, 2002

The brief F0 tornado touched down 6 miles south southwest of the Wausau Airport in Marathon County around 6:32 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado snapped several trees.

Event 36: April 10, 2011

The EF3 tornado developed about 2 miles north of Hamburg at 5:08 CST PM and moved northeast into Lincoln County at 5:10 PM CST. Pine trees were uprooted, and large branches were broken in the path of the storm. One house sustained damage to its siding and several barns were blown down or lost their roofs in Marathon County. The tornado was rated an EF0 in Marathon County. The average width of the tornado in Marathon County was 100 yards. The tornado reached EF3 intensity on the north side of Merrill in Lincoln County at approximately 5:22 PM CST where 22 homes and 7 businesses were destroyed. Several homes lost nearly all exterior and some interior walls. In addition, 22 homes and one business sustained major damage, and 20 homes and four businesses sustained minor damage. A 67-year-old male was thrown over 200 feet from his bedroom and suffered broken ribs, a ruptured spleen, and a bruised lung. Another person sustained minor injuries. The tornado tore a path over 20 miles long in Lincoln County before dissipating. The maximum width of the tornado was six tenths of a mile (1050 yards) wide. The average width was about 400 yards.



Photo by Julia Berg



Photo by Samuel Hall

Event 37: April 10, 2011

The EF1 tornado moved out of Adams County and entered Waushara County at 5:35 PM CST about 1.8 miles northwest of Coloma. The worst damage occurred just inside the Waushara County line. A mobile home roof was torn off and roof damage was noted to several homes. The average width of the tornado was about 80 yards.

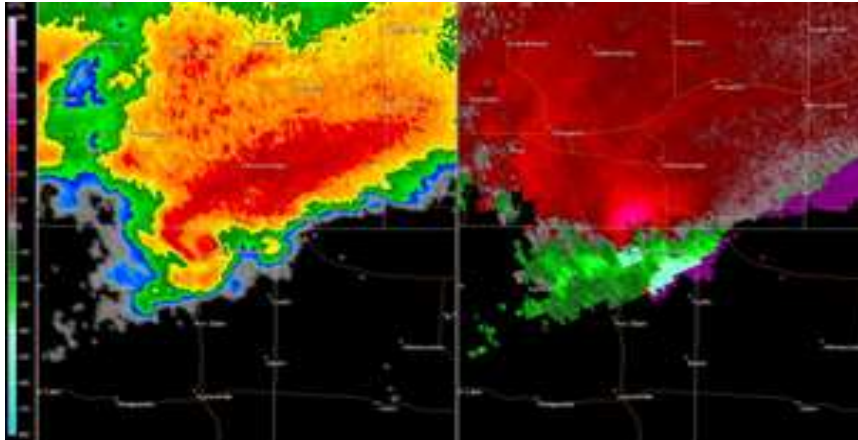
Event 38: April 10, 2011

The EF1 tornado formed about 5 miles south of Parrish around 5:50 PM CST and moved just east of north for a little over five miles. The tornado affected about 1600 acres of hardwood and softwood trees. It was estimated that over one million trees were snapped, uprooted, or suffered serious damage. The loss to timber alone is estimated at over one million dollars. One cabin was destroyed by fallen trees. The tornado was seen by a storm chaser at 5:55 PM CST. The average width of the tornado was 250 yards.

TORNADO / WATERSPOUT REFERENCE GUIDE – APRIL

Event 39: April 10, 2011

The EF1 tornado developed at approximately 6:06 PM CST one mile southwest of Saxeville in Waushara County and moved east-northeast across east-central Wisconsin. Numerous pine trees were snapped or uprooted near the initial point of contact. As the tornado moved into West Bloomfield, several farm buildings were heavily damaged, including a barn that collapsed. The tornado had an average width of 100 yards, but it was not on the ground continuously. The tornado entered Waupaca County at 6:20 PM CST southwest of Fremont. Several farm buildings were impacted by the tornado in addition to many trees. Near Readfield, a barn was lifted and rolled off its foundation. A poorly anchored house roof, which overhung the house walls was completely removed with the debris strewn nearly a quarter of a mile to the northeast. The average width of the tornado was 100 yards. The tornado moved into Outagamie County at 6:32 PM CST. The tornado, which was not on the ground the entire time, damaged a couple of farm buildings just south of Hortonville before it dissipated. One of the buildings lost part of its roof. The average width was 100 yards.



Note: Radar image from NWS Green Bay

Event 40: April 10, 2011

The EF2 tornado developed 3.5 miles southeast of Argonne and moved northeast across Forest County. The tornado uprooted and snapped hundreds of trees, some of which fell on vacation cabins along the path of the tornado. The hardest hit area was several miles east Argonne shortly after the tornado developed. A large part of the roof of a house was removed. The tornado continued northeast in Florence County 6:46 PM CST. The average width of the tornado was 250 yards in Forest County. In Florence County, several large tree branches were broken before the tornado dissipated. The average path width of the tornado in Florence County was 75 yards.

Event 41: April 10, 2011

The EF1 tornado developed 0.3 miles northwest of Poy Sippi, then moved east-northeast over the north shore of Lake Poygan. The tornado then entered Winnebago County at 7:04 PM CST. In Waushara County, the tornado damaged a house and destroyed a barn in the Poy Sippi area. Another barn was flattened near the north shore of Lake Poygan. Many pine trees were uprooted or snapped along the path of the storm. The average path width in Waushara County was 100 yards. In Winnebago County, the tornado moved along the north shore of Lake Poygan, causing most of the damage near Boom Bay on the northeast shore of Lake Poygan. Two homes were heavily damaged as portions of their roofs were partially ripped off. Several other houses sustained lesser damage in this area. In addition, two small mobile homes were rolled on their side and many trees were uprooted or snapped. The tornado dissipated about 2 miles west of Winchester, although damage occurred east and southeast of this location from straight-line thunderstorm winds. The average path width in Winnebago County was 100 yards.

TORNADO / WATERSPOUT REFERENCE GUIDE – APRIL

Event 42: April 10, 2011

The EF1 tornado (2nd tornado on this day) formed in Forest County about four miles west of Armstrong Creek at 7:03 PM CST. The tornado snapped and uprooted trees and damaged two houses. One of the houses sustained significant roof damage as the tornado moved across the area. The average width of the tornado was 125 yards.

Event 43: April 10, 2011

The EF2 tornado touched down in the southwest side of Kaukauna near County Road CE at 7:43 PM CST. The tornado cut through the center of a subdivision as it moved north-northeast to near the Fox River before lifting off the ground. Seven homes were destroyed, 24 homes and four businesses sustained major damage and 160 other homes sustained minor damage. Several houses lost large sections of their roofs in the hardest hit area of the city. The average path width was 125 yards.

Event 44: April 10, 2011

The brief EF1 tornado touched down about a mile and a half south of Greenleaf. The tornado damaged the tops of two silos and then ripped the roof off a barn. Average width of the tornado was 75 yards.

Event 45: April 10, 2011

The brief EF1 tornado moved off Lake Winnebago and onshore south of Stockbridge just before 8 PM CST. The waterspout was seen moving onshore, damaging two homes. A three-season room on one of the houses was ripped off the structure. The tornado moved northeast and tore a section off the roof of a large outbuilding. The tops of trees were snapped in two areas along the path of the tornado. The average width of the tornado was 75 yards.



TORNADO / WATERSPOUT REFERENCE GUIDE – APRIL

Event 46: April 9, 2017

The EF1 tornado touched about five miles south southwest of Taegesville (just west of Wausau) in Marathon County around 11:54 PM CST. The brief tornado developed in association with a small line of severe thunderstorms (straight line wind damage also reported) in Marathon County. Two structures sustained significant storm damage, with one building had its windows blown out along with roofing material ripped off the building. The other structure had a garage door blown off. Several other houses had minor damage. Around 100 mature pine trees were snapped. The tornado was approximately 100 yards wide and traveled just under a half of a mile before dissipating at 11:55 PM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – MAY

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
1	1	5	3	1955	18:00	Irma	Lincoln
2	1	5	28	1955	15:05	3 W Clintonville	Waupaca
3	2	5	17	1958	15:40	3 W - 2NE Wausaukee	Marinette
4	1	5	4	1959	10:30	Wausau	Marathon
5	1	5	4	1959	11:45	Deerbrook	Langlade
6	2	5	6	1959	03:20	Symco - SE Clintonville	Outagamie, Waupaca
7	2	5	6	1959	13:30	3 NE Shiocton	Outagamie
8	2	5	10	1959	20:50-20:55	Green Bay	Brown
9	1	5	28	1959	15:15	6 N - 9 NE Oshkosh	Winnebago
10	1	5	28	1959	15:38	1 SW Greenleaf	Brown
11	0	5	28	1959	15:30	6 SW De Pere	Brown
12	1	5	21	1960	17:30	15 W Oshkosh	Winnebago
13	1	5	4	1964	18:00-18:10	10 SW St. Germain - St. Germain	Oneida
14	2	5	7	1964	18:00	Wisconsin Rapids	Wood
15	2	5	8	1964	17:00	5 N Iola - 1 W Clintonville	Waupaca
16	2	5	8	1964	17:50	7 ESE Knowlton - 5 W Elderon	Marathon
17	2	5	8	1964	18:30-19:06	Winneconne - Wrightstown	Brown, Calumet, Winnebago, Outagamie
18	0	5	30	1964	13:28	Green Bay - Bellevue	Brown
19	0	5	21	1970	20:10	Green Bay - north side	Brown
20	1	5	18	1971	16:40-17:04	Adams-Friendship - Hancock	Waushara
21	1	5	9	1973	15:50	2 N Reedsville	Manitowoc
22	1	5	8	1978	16:50-17:00	1.5 SW - 2.5 SE Luxemburg	Kewaunee
23	1	5	30	1980	14:30	4 S Shawano	Shawano
24	1	5	30	1980	15:20	Oconto	Oconto
25	1	5	30	1980	16:05-16:14	Black Creek	Outagamie
26	2	5	6	1982	14:30	2 S Stephenville - 1 S Black Creek	Outagamie
27	2	5	8	1988	17:10	4.5 SW Hadler - Rib Falls	Marathon
28	1	5	8	1988	17:06-17:12	2 SE Wautoma - 1 S Mount Morris	Waushara
29	0	5	8	1988	17:12	3 W Keene	Portage
30	1	5	24	1989	20:10-20:15	3 S Oshkosh	Winnebago
31	1	5	24	1989	21:05	4 WNW Chilton	Calumet
32	0	5	24	1989	21:15	1 E Cooperstown	Manitowoc
33	1	5	16	1992	14:30	5 N Junction City	Portage
34	2	5	16	1992	18:10-18:30	4 W Keene - 5 SE Amherst	Portage
35	1	5	16	1992	18:30	2.5 NE Northland	Waupaca
36	1	5	16	1992	19:20-19:30	Kaukauna - 2 SW Wrightstown	Outagamie, Brown
37	2	5	30	1994	20:50-21:16	2 SW Crandon - 1 N Laona	Forest
38	0	5	31	1998	00:20-00:21	4 WSW Mosinee	Marathon
39	1	5	31	1998	01:20-01:24	0.5 N Stockbridge - 2 NE Stockbridge	Calumet
40	0	5	5	1999	16:30-16:31	1 WNW Tomahawk	Lincoln
41	0	5	12	2000	10:43	5 WNW St. Nazianz	Manitowoc

TORNADO / WATERSPOUT REFERENCE GUIDE – MAY

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
42	1	5	1	2001	20:55-21:00	0.4 NNE - NE Minocqua	Oneida
43	0	5	6	2002	16:30-16:40	5 NW - 2.5 N Winneconne	Winnebago
44	0	5	56	2002	17:02	8 N Oshkosh - Wittman Field	Winnebago
45	0	5	23	2004	05:47	2.7 E Reedsville	Manitowoc
46	0	5	6	2005	15:24-15:25	7 ESE - 7.8 ESE Oshkosh Wittman Field	Winnebago
47	0	5	6	2005	15:25-15:29	5 WSW - 3.7 SW Brothertown	Calumet
48	0	5	25	2008	20:00-20:01	3 ENE Knowlton	Marathon
49	1	5	4	2010	18:10-18:12	2.7 SE Zittau - 2.7 W Winchester	Winnebago
50	0	5	4	2010	18:13-18:17	2.2 SW Winchester - 0.8 NNW Larsen	Winnebago
51	0	5	22	2011	18:05	5 NE Algoma	Kewaunee
52	1	5	22	2011	17:03-17:20	5.5 SSE Cranmoor - 4.8 SE Arnott	Wood, Portage
53	0	5	24	2012	18:01-18:07	3.7 SSE - 4.8 ENE Marathon	Marathon
54	0	5	17	2015	14:31-14:40	1.6 WSW Morgan - 3.4 NE Morgan	Shawano
55	0	5	16	2017	19:12-19:13	5.9 - 5.5 WSW Enterprise	Oneida

TORNADO / WATERSPOUT REFERENCE GUIDE – MAY

Event 1: May 3, 1955

The F1 tornado touched down in Irma, approximately 9 miles north of Merrill, in Lincoln County around 6 PM CST. The tornado traveled 7 miles and had a maximum width less than 50 yards. Lincoln County Sheriff Alfred Giese stated in the Rhinelander Daily News that a tornado ripped through several farms and wooded lot country about 9 miles north of Merrill. Giese stated that three barns were blown down and that communications between Merrill and the State Traffic Patrol Headquarters in Tomahawk was disrupted for a while. Two people were trapped in the wreckage and were freed by sheriff officers and highway crews. No homes were damaged.

Event 2: May 28, 1955

The F1 tornado touched down 3 miles west of Clintonville in Waupaca County around 3:05 PM CST. The tornado traveled 2.7 miles and reached a maximum width of 75 yards before dissipating. The tornado ripped through a farm injuring two persons and knocking down trees and utility poles. Robert Malaueg, 13, and Leroy Ashauer, 23, were hurt and taken to Clintonville Community Hospital.

Event 3: May 17, 1958

The F2 tornado developed 3 miles west of Wausaukee in Marinette County around 3:40 PM CST and traveled northeast for 4.7 miles before dissipating 2 miles northeast of Wausaukee. The tornado reached a maximum width of 80 yards.

Event 4: May 4, 1959

The F1 tornado was reported to touch down near Wausau in Marathon County around 10:30 AM CST. The tornado was 200 yards wide and traveled a mile before dissipating near Wausau.

Event 5: May 4, 1959

The F1 tornado struck Deerbrook in Langlade County around 11:45 AM CST. The tornado was 100 yards wide and was on the ground for a mile.

Event 6: May 6, 1959

The F2 tornado developed near Symco in Waupaca County and traveled a little over 7 miles to three miles southeast of Clintonville in Outagamie County around 3:20 AM CST. A second tornado hit Outagamie County later that afternoon.

Event 7: May 6, 1959

The F2 tornado touched down 3 miles northeast of Shiocton and traveled nearly 2 miles before dissipating around 1:30 PM CST. The tornado reached a maximum width of 200 yards. The tornado flattened a barn on the farm of Mrs. Matilda Gehring. Numerous trees were damaged in a nearby wooded lot while a shed on a nearby farm sustained damage.

Event 8: May 10, 1959

The F2 tornado touched down in Ashwaubenon in Brown County around 8:50 PM CST and traveled northeast for approximately four miles into Preble and the city of Green Bay before dissipating at 8:55 PM CST. The maximum diameter of the tornado was less than 50 yards wide. One of the most severely damaged buildings in the Sunday night tornado was a one-year-old home moved nearly off its foundation in Ashwaubenon. Five members of the Julius Alberts family were inside the house when the tornado hit, escaped injury. The garage disappeared from the neighborhood and the car inside was twisted around and dumped in a field behind the house. Six homes were demolished and at least 50 others suffered heavy damage. Three injuries were noted with the tornado.

Event 9: May 28, 1959

The F1 tornado struck 6 miles north of Oshkosh in Winnebago County around 3:15 PM CST. The tornado traveled nine miles before dissipating 9 miles northeast of Oshkosh.

TORNADO / WATERSPOUT REFERENCE GUIDE – MAY

Event 10: May 28, 1959

The F1 tornado was spotted one mile southwest of Greenleaf in Brown County around 3:38 PM CST.

Event 11: May 28, 1959

The F0 tornado touched down 6 miles southwest of De Pere in Brown County around 3:30 PM CST.

Event 12: May 21, 1960

The F1 tornado touched down fifteen miles west of Oshkosh in Winnebago County around 5:30 PM CST.

Event 13: May 4, 1964

The F1 tornado was first reported 10 miles southwest of St. Germain in Vilas County around 6 PM CST. The tornado traveled just over 7 miles before dissipating in St. Germain at 6:10 PM CST. The tornado had a maximum width of 125 yards. The local storm report indicated the tornado touched down twice and crossed over the Big St. Germain drawing water to a height of 200 feet. There was considerable damage to resorts and woods in the path of the tornado.

Event 14: May 7, 1964

The F2 tornado touched down in the city of Wisconsin Rapids in Wood County around 6 PM CST and traveled a half mile. The maximum width of the tornado was 100 yards. The tornado tore through the Suburban Heights trailer court. There were fourteen injuries, none of them serious. Ten of the trailer homes were ripped from their foundation and tossed up into the air. The body of one was torn off and the frame was left lying upside down 100 yards from its original base. Many of the trailers were occupied by the Wisconsin Rapids Twins ballplayers and their wives. Some damage to roofs and television antennas was reported within the city limits.

Event 15: May 8, 1964

Several tornadoes were noted across the state on this date. In north central and northeast Wisconsin, the F2 tornado touched down from about five miles north of Iola in Waupaca County around 5 PM CST. The tornado traveled a little over 3 miles to one mile west of Clintonville. The tornado had a maximum width of 200 yards. At least five barns were reported down in the Clintonville area. Another tornado was noted across Marathon County from seven miles east southeast of Knowlton to five miles west of Elderon around 5:50 PM CST.

Event 16: May 8, 1964

The F2 tornado touched down 7 miles east southeast of Knowlton in Marathon County around 5:50 PM CST. The tornado traveled about twelve miles to 5 miles west of Elderon. The tornado had a maximum width of five hundred yards.

Event 17: May 8, 1964

Another long tracked F2 tornado was noted on this date across northeast Wisconsin. The tornado developed near Winneconne in Winnebago County around 6:30 PM CST. The tornado traveled northeast across Menasha, striking the John Strange Paper Company. The tornado continued into Neenah, near the Fox Point Shopping Center. The Fox Point Shopping Center suffered extensive damage where windows were blown in, and sections of the roof were blown off. The tornado continued into the southeast corner of Appleton near the Calumet Street power substation. The tornado finally dissipated in Wrightstown around 7:06 PM. At least ten barns were destroyed near Kaukauna.

Event 18: May 30, 1964

The F0 tornado momentarily touched down in a field northeast of Bellevue in Brown County around 1:28 PM CST. The tornado was less than 50 yards wide and traveled about a mile before dissipating.

TORNADO / WATERSPOUT REFERENCE GUIDE – MAY

Event 19: May 21, 1970:

An airplane pilot reported the F0 tornado just northeast of Green Bay along the shores of the bay of Green Bay in Brown County around 8:10 PM CST. The tornado became a waterspout about four miles northeast of Green Bay. The tornado/waterspout was less than 50 yards wide and was on the ground for about two miles

Event 20: May 18, 1971

The F1 tornado was first sighted northeast of Adams and Friendship in Adams County around 4:40 PM CST. The tornado traveled 15 miles as it moved across Highway 21 and then to Hancock in western Waushara County before dissipating around 5:04 PM CST. The tornado reached a maximum width of 100 yards. After crossing Highway 21, the tornado destroyed two house trailers injuring five people and smashed a barn. In Hancock, a large metal warehouse was severely damaged with sheet metal scattered a half mile downwind.

Event 21: May 9, 1973

The F1 was reported 2 miles north of Reedsville in Manitowoc County around 3:50 PM CST. The tornado was 50 yards wide and traveled about two miles before dissipating. Several outbuildings were destroyed on the John Zimmerman farm on Highway 32. Damage was also reported on the Sullivan and Fenlon farms.

Event 22: May 8, 1978

The F1 tornado developed a mile and a half southwest of Luxemburg in Kewaunee County around 4:50 PM CST, and then moved to two and a half miles southeast of Luxemburg before dissipating around 5 PM CST. Two buildings were destroyed a mile and a half west of Luxemburg on Highway 54. A large pole building was destroyed two and a half miles southeast of Luxemburg.

Event 23: May 30, 1980

The F1 tornado touched down at Highway 187 four miles south of Shawano in Shawano County around 2:30 PM CST. The tornado was 50 yards wide and traveled 2 miles before dissipating. A house trailer was destroyed and scattered debris two miles to the northeast.

Event 24: May 30, 1980

The F1 tornado touched down at Highway 22 and Highway J near Oconto in Oconto County around 3:20 PM CST. The tornado was 50 yards wide and traveled one mile. Several buildings and cars were damaged as well as twisting off several trees.

Event 25: May 30, 1980

The F1 tornado touched down about 2 miles outside of Black Creek in Outagamie County around 4:05 PM CST. The tornado traveled east around 4 miles before dissipating around 4:14 PM CST two miles east of Black Creek. An intermittent 4 miles path 50 yards wide resulted in damage to several garages in Black Creek.

Event 26: May 6, 1982

The F2 tornado cut a 9 mile-path from 2 miles south of Stephenville to one mile south of Black Creek in Outagamie County around 2:30 PM CST. The tornado reached a maximum width of 100 yards. Many small rural structures were destroyed. Some damage occurred to 12 large farm buildings and equipment inside. Two additional large barns were destroyed. Most of the damage occurred in Ellington Township.

TORNADO / WATERSPOUT REFERENCE GUIDE – MAY

Event 27: May 8, 1988

The F2 tornado developed four and a half miles southwest of Hadler in Marathon County around 5:10 PM CST. The tornado traveled 13 miles and reached a maximum width of 250 yards before dissipating in Rib Falls. Two people were injured in the town of Emmet when their mobile home trailer was rolled upside down. In all, three mobile homes, six large barns, three machine sheds and silos were destroyed with numerous buildings damaged. Thirty-nine acres of ginseng racks on sixteen farms were knocked off their posts causing \$450,000 in damage. The total cost of the tornado in Marathon County was over one million dollars in damage.

Event 28: May 8, 1988

In Waushara County, the F1 tornado traveled 5 miles from one mile south of Mount Morris to 3 miles northeast of Wild Rose between 5:06 and 5:12 PM CST. The tornado was 100 yards wide. Damage to structures and trees were reported along Silver Lake.

Event 29: May 8, 1988

The F0 tornado touched down in rural areas 3 miles west of Keene in Portage County around 5:12 PM CST. The tornado was 25 yards wide and traveled a mile before dissipating.

Event 30: May 24, 1989

The F1 tornado touched down 3 miles south of Oshkosh in Winnebago County between 8:10 and 8:15 PM CST. The tornado was 50 yards wide and traveled 1.2 miles before dissipating.

Event 31: May 24, 1989

The F1 tornado touched down 4 miles west northwest of Chilton in Calumet County around 9:05 PM CST. The tornado was 50 yards wide and was on the ground for a quarter of a mile.

Event 32: May 24, 1989

The brief F0 tornado touched down one mile east of Cooperstown in Manitowoc County at 9:15 PM CST. The tornado was 50 yards wide and traveled two tenths of a mile before dissipating.

Event 33: May 16, 1992

The F1 tornado touched down 5 miles north of Junction City in Portage County around 2:30 PM CST. The tornado was 400 yards wide and traveled 1.3 miles before dissipating. The tornado damaged three homes, two sheds, and a mobile home roof 5 miles north of Junction City.

Event 34: May 16, 1992

The F2 tornado touched down 4 miles west of Keene in Portage County around 6:10 PM CST. The tornado was 400 yards wide and traveled eleven miles to 5 miles southeast of Amherst before dissipating around 6:30 PM CST. The tornado tossed a mobile home in the middle of a road in Plover Township and damaged fourteen homes, two farms, and a large amount of irrigation equipment.

Event 35: May 16, 1992

In Waupaca County, the F1 tornado touched down two and a half miles northeast of Northland around 6:30 PM CST. The tornado was 100 yards wide and was on the ground for a mile and a half. Many trees and three homes were damaged by the tornado.

Event 36: May 16, 1992

The F1 tornado formed near Lamers and Clancy Roads near Kaukauna in Outagamie County around 7:20 PM CST. The tornado was 100 yards wide and traveled several miles into extreme southwest Brown County where the tornado dissipated two miles southwest of Wrightstown around 7:30 PM CST. Numerous trees were down, some of which landed on houses.

TORNADO / WATERSPOUT REFERENCE GUIDE – MAY

Event 37: May 30, 1994

The F2 tornado touched down 2 miles southwest of Crandon in Forest County around 8:50 PM CST. The tornado traveled 12 miles and reached a maximum width of 800 yards before dissipating one mile north of Laona around 9:16 PM CST. Three mobile homes and 25 homes were destroyed while 600 acres of timber was leveled. Three people were injured in a mobile that was destroyed by the tornado. The thunderstorms also produced tennis ball size hail as the storms passed through Rhinelander.

Event 38: May 31, 1998

The brief F0 tornado touched down 4 miles west southwest of Mosinee in Marathon County at 12:20 AM CST. The tornado was 50 yards wide and was on the ground for two tenths of a mile before it dissipated 3.8 miles west southwest of Mosinee at 12:21 AM CST.

Event 39: May 31, 1998

The tornado developed a half mile north of Stockbridge in Calumet County around 1:20 AM CST. The F1 tornado was 75 yards wide and traveled 1.4 miles before dissipating 2 miles northeast of Stockbridge around 1:24 AM CST. The tornado destroyed a garage and silo, damaged two barns and overturned farm vehicles. A 2-by-4 was driven through the exterior wall of a house, narrowly missing one of the sleeping children.

Event 40: May 5, 1999

The F0 tornado touched down one-mile west northwest of Tomahawk in Lincoln County at 4:30 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile before dissipating at 4:31 PM CST.

Event 41: May 12, 2000:

The brief F0 tornado touched down 5 miles west northwest of St. Nazianz in Manitowoc County around 10:43 AM CST. The tornado was 50 yards wide and was on the ground for a tenth of a mile. No damage was reported with the tornado. The thunderstorms that produced the tornado were some of the most devastating thunderstorms to move across northeast Wisconsin. The combination of 100 mph straight line winds and 2-inch hail produced very serious damage in St. Nazianz. Thirty people were injured by the storm in Manitowoc County with 100 homes destroyed by the wind and hail.

Event 42: May 1, 2001

The F1 tornado developed four tenths of a mile north of Minocqua in Oneida County around 8:55 PM CST. The tornado moved about a quarter of a mile before lifting off the ground. The tornado touched down again 1.8 miles east northeast of Minocqua and stayed on the ground for about 1.2 miles before dissipating. The tornado was 125 yards wide and was on the ground for about a mile and a half. Many pine trees were snapped 15 to 30 feet above the ground. A five-unit storage building was completely removed from its slab and a number of homes were damaged by fallen trees.

Event 43: May 6, 2002

The F0 tornado touched down 5 miles northwest of Winneconne in Winnebago County around 4:30 PM CST. The tornado was 50 yards wide and traveled four miles on the ground before dissipating 2.5 miles north of Winneconne around 4:40 PM CST. The tornado moved across Lake Winneconne.

Event 44: May 6, 2002

The brief F0 tornado touched down 8 miles north of Wittman Field in Oshkosh in Winnebago County at 5:02 PM CST. The tornado was 20 yards wide and was only on the ground for a tenth of a mile. No damage was noted with the tornado.

TORNADO / WATERSPOUT REFERENCE GUIDE – MAY

Event 45: May 23, 2004

The F0 tornado touched down 2.7 miles east of Reedsville in Manitowoc County at 5:47 AM CST. The tornado was 75 yards wide and was on the ground for a tenth of a mile. The tornado damaged shingles and siding on a house and snapped trees and large branches.

Event 46: May 6, 2005

The F0 waterspout touched down 7 miles east southeast of Oshkosh Wittman Field in Winnebago County at 3:24 PM CST. The waterspout was 50 yards wide and was on the ground for eight tenths of a mile before dissipating 7.8 miles east southeast of Oshkosh Wittman Field at 3:25 PM CST.

Event 47: May 6, 2005

The F0 waterspout touched down 5 miles west southwest of Brothertown in Calumet County at 3:25 PM CST. The waterspout was 50 yards wide and was on the water for over a mile and a half before dissipating 3.7 miles southwest of Brothertown at 3:29 PM CST.

Event 48: May 25, 2008

The EF0 tornado touched down 3 miles east northeast of Knowlton in Marathon County at 8 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile before dissipating at 8:01 PM CST. Several apple trees were damaged in a narrow path. A pine tree fell on a shed as well. The tornado was on the ground for less than 30 seconds.

Event 49: May 4, 2010

The EF0 tornado touched down 2.2 miles south southwest of Winchester in Winnebago County at 6:13 PM CST. The tornado was 100 yards wide and traveled 3.4 miles before dissipating 0.8 miles north northwest of Larsen at 6:17 PM CST. The tornado damaged several structures. It destroyed a shed, swirling 2 by 4's in the air. The 2 by 4's struck a house, damaging the roof. The tornado threw a trailer about 200 yards into a field and ripped siding off a garage. A small camper was knocked over.

Event 50: May 4, 2010

The EF0 tornado touched down 2.5 miles west southwest of Veedum in Wood County at 4:18 PM CST. The tornado traveled a quarter of a mile and was 50 yards wide before it dissipated 2.2 miles west southwest of Veedum. The brief tornado was reported by the public and confirmed by local emergency management about 5 miles west of Pittsville. A dozen trees were knocked down and several large tree limbs fell onto a house. Wind speed estimated at 80 mph.

Event 51: May 22, 2011

The EF0 waterspout was observed over Lake Michigan about 5 miles northeast of Algoma.

TORNADO / WATERSPOUT REFERENCE GUIDE – MAY

Event 52: May 22, 2011

The EF1 tornado moved out of Juneau County at 5:03 PM CST and moved across southern Wood County. The storm hit a campground on the east shore of the Wisconsin River about three miles south of Nekoosa. Over 100 pine trees were snapped and uprooted on the campground, some two feet in diameter. Several camper vehicles were damaged by fallen trees. The tornado was seen by campground visitors just before 5:15 PM CST. The tornado continued east-northeast and snapped or uprooted hundreds of additional trees south of Wisconsin Rapids. The storm damaged at least six homes and several other buildings about six miles south-southeast of Wisconsin Rapids. One of the houses lost the entire roof of a garage. A woman was in the garage at the time. She sustained injuries when the garage fell on the truck that she was taking shelter in. This area experienced a high-end EF1 damage with winds at least 95 to 105 mph. The tornado entered Portage County around 5:20 PM CST. The tornado moved across mainly farmland. The twister continued to snap trees and overturn agricultural irrigation systems. About six miles south of Plover, a nearly half-mile long row of power poles was bent over. The tornado crossed Interstate 39 at Coddington Road two miles west of Keene. The tornado grew to nearly 700 yards wide as it passed just north of Keene and heavily damaged a farmstead. A silo was damaged, and a barn was flattened. Several outbuildings were also damaged or destroyed. Along the path, at least two dozen irrigation systems were overturned and damaged resulting in over one million dollars in losses. Many hundreds of trees were snapped or uprooted. This area experienced high end EF1 damage with winds of 100 to 110 mph. The tornado dissipated about 9 miles southeast of Plover at 5:46 PM CST. The average width was 300 yards in Portage County.

Event 53: May 24, 2012

The EF0 tornado formed 3.7 miles south southeast of Marathon at 6:01 PM CST and rapidly move northeast before dissipating 4.8 miles east northeast of Marathon at 6:07 PM. About 100 trees sustained large broken branches or were snapped by the tornado. No structures were damaged. The average path width was 50 yards.

Event 54: May 17, 2015

The EF0 tornado touched down at 2:31 PM CST just over a mile and a half west-southwest of Morgan in Shawano County. The tornado produced intermittent damage along a nearly five miles-long-path before dissipating at 2:40 PM CST just over three miles northeast of Morgan. At least a dozen trees along the path sustained damaged and a barn lost several shingles. The tornado had a maximum width of 75 yards.

Event 55: May 16, 2017

An EF0 tornado touched about five and a half miles west southwest of Enterprise in Oneida County around 7:12 PM CST. The brief tornado uprooted several hundred pine trees just north of Highway Q near the Oneida County/Langlade County line, or about 9.5 miles west-southwest of Pelican Lake. The EF0 tornado was approximately 175 yards wide and traveled about three tenths of a mile before dissipating at 7:13 PM CST about five and a half miles west southwest of Enterprise.

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
1	4	6	25	1950	21:00	1 W Woodboro - 5 NE Rhinelander	Oneida
2	2	6	25	1950	21:00	3 W Colby - 3 NE Abbotsford	Marathon
3	1	6	20	1953	1800	Three Lakes	Oneida
4	2	6	20	1954	0230-240	Rothschild to 6 NE Mosinee	Marathon
5	2	6	20	1954	04:00	Brothertown	Calumet
6	1	6	14	1957	17:30	Florence	Florence
7	3	6	4	1958	19:30-20:06	6 SE Chippewa Falls to 2 NW Athens	Marathon
8	2	6	30	1958	17:30	1 NW Gleason	Lincoln
9	1	6	10	1959	13:20	De Pere	Brown
10	1	6	23	1962	16:30-16:35	2 W Champion	Brown
11	0	6	23	1962	19:00	15 E Stevens Point	Portage
12	1	6	9	1964	14:55	Belle Plaine	Shawano
13	2	6	9	1964	15:00	Pound	Marinette
14	2	6	4	1966	19:00	Gillett - 2 NE Oconto Falls	Oconto
15	2	6	4	1966	19:00	Suring	Oconto
16	2	6	30	1967	23:49-23:59	Chilton - 7 E Chilton	Calumet, Manitowoc
17	2	6	30	1968	04:00	3 NW Cavour	Forest
18	1	6	30	1968	04:45	3 S Pembine	Marinette
19	3	6	26	1969	11:15-11:30	Black Creek - 8 W Sobieski	Outagamie, Shawano, Oconto
20	1	6	26	1969	16:30	2 W Manitowish Waters - 3 SW Presque Is.	Vilas
21	2	6	26	1969	17:00	Lac Du Flambeau - 9 NW Land O' Lakes	Vilas
22	1	6	26	1969	17:00	Skawauk - Pelican Lake	Lincoln
23	0	6	17	1970	18:35	3 S Wisconsin Rapids	Wood
24	1	6	6	1971	23:15	5 SW Oshkosh	Winnebago
25	1	6	13	1971	16:30	8 NW Oshkosh	Winnebago
26	1	6	18	1971	13:45	5 W Marinette	Marinette
27	1	6	3	1973	18:15	2 NE Amberg	Marinette
28	1	6	18	1973	11:00	2 W Athens	Marathon
29	1	6	9	1974	14:45	Bancroft	Portage
30	1	6	14	1974	16:10	5 NW Gillett	Oconto
31	2	6	12	1976	20:30	1 W Alban	Portage
32	1	6	12	1976	21:00	Amherst	Portage
33	1	6	13	1976	18:40-19:20	4 Wisc. Rapids - 3 NE Stevens Point	Portage
34	2	6	13	1976	19:00	Plover	Portage
35	1	6	13	1976	20:00-2010	2 W Hogarty - Elton	Langlade, Marathon, Lincoln
36	1	6	13	1976	20:00	5 E Seymour	Outagamie
37	1	6	13	1976	20:15	Oconto Falls	Oconto
38	1	6	13	1976	20:45	9 E Merrill to 11 NW Antigo	Langlade, Lincoln
39	2	6	7	1978	15:15	2 NW Francis Creek	Manitowoc
40	2	6	16	1979	09:30	Oconto Falls - 2 NE Lena	Oconto
41	1	6	16	1979	15:30-15:45	2 N - 2 NE Irma	Lincoln

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
42	1	6	20	1979	13:45	3 S Oshkosh	Winnebago
43	1	6	20	1979	14:30	Goodman	Marinette
44	2	6	7	1980	00:20	Valders	Manitowoc
45	1	6	14	1980	12:30	5 NW Manawa - Manawa	Waupaca
46	1	6	14	1980	13:25	1 E Rhinelander - Lake Thompson	Oneida
47	0	6	14	1980	14:22	5 N Rhinelander	Oneida
48	1	6	13	1981	20:40	1 N Hazelhurst	Oneida
49	1	6	13	1981	20:45	Sayner - 3 NE Sayner	Vilas
50	2	6	13	1981	21:00	Three Lakes	Oneida
51	1	6	26	1984	16:55	13 N Wausau - Texas	Marathon
52	1	6	26	1984	19:00	Caroline	Shawano
53	3	6	8	1985	18:15-18:52	Park Falls - 3 SE Monico	Oneida
54	2	6	8	1985	20:00-20:30	Sand Bay - Sturgeon Bay	Door
55	1	6	12	1990	18:35	2 W Stratford	Marathon
56	1	6	14	1991	11:55	8 WNW Merrill	Lincoln
57	2	6	27	1991	18:20-18:30	12 WSW Minocqua - Marian Lake	Oneida
58	0	6	17	1992	12:55	2 NE Denmark	Brown
59	0	6	8	1993	18:38	2.5 S Spring Lake - 2 W Auroraville	Waushara
60	0	6	8	1993	19:15	0.5 E Dakota - 2 S Redgranite	Waushara
61	0	6	8	1993	19:35-19:45	5 SE Redgranite - 3 SE Auroraville	Waushara
62	0	6	8	1993	17:35	1 E Pickett	Winnebago
63	0	6	29	1995	11:05	10 SW Kewaunee	Kewaunee
64	0	6	11	1996	16:08-16:09	5 NW Chilton	Calumet
65	0	6	16	1998	15:00	3 WNW Coloma	Waushara
66	0	6	8	2003	11:40	4 W Oshkosh - Wittman Field	Winnebago
67	0	6	8	2003	12:20-12:26	5 E - 5.5 ESE Oshkosh Wittman Field (waterspout)	Winnebago
68	0	6	8	2003	12:42	4.3 W - 4.1 WSW Brothertown (waterspout)	Calumet
69	0	6	8	2003	12:59-13:02	4 S - 4.1 S Marshfield Airport	Wood
70	1	6	23	2004	18:46-18:48	3 NNW Almond - 3 NNE Almond	Portage
71	0	6	23	2004	18:47	Whiting	Portage
72	1	6	23	2004	18:53-18:56	3 SE Blaine - 5 ESE Blaine	Portage
73	2	6	23	2004	18:56-19:06	9 W Waupaca to 2 SW Lind Center	Waupaca
74	1	6	23	2004	20:00-20:08	Little Chute - Kaukauna	Outagamie
75	0	6	23	2004	20:27	Green Bay - northwest	Brown
76	0	6	4	2005	13:54	1 E - 1.1 ENE Auroraville	Waushara
77	0	6	4	2005	14:05	2 NW Borth	Waushara
78	0	6	4	2005	15:27	4 W - 4.5 WNW Edgar	Marathon
79	0	6	4	2005	15:39-15:42	1 W - 1.5 NW Athens	Marathon
80	0	6	4	2005	17:06	4 S Athens	Marathon
81	0	6	4	2005	17:20	3 W Marathon	Marathon
82	0	6	4	2005	17:30	5 E Kewaunee (waterspout)	Kewaunee

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
83	0	6	4	2005	19:18	7 S Hogarty	Marathon
84	0	6	9	2005	17:40-17:50	5 SE - 5 E Oshkosh	Winnebago
85	0	6	9	2005	18:14	4 NW Stockbridge	Calumet
86	0	6	10	2005	13:03	4 W Mosinee	Marathon
87	0	6	10	2005	15:05	1 N Winneconne	Winnebago
88	0	6	10	2005	15:10	2 W Clintonville	Waupaca
89	0	6	10	2005	19:10	4 ESE Oshkosh	Winnebago
90	0	6	10	2005	19:22	3 E Oshkosh	Winnebago
91	0	6	10	2005	19:48	3 E Oshkosh	Winnebago
92	0	6	13	2005	14:49-14:50	4.1 NNE - 4 NNE Black Creek	Outagamie
93	0	6	18	2006	16:43	3 NW Sister Bay	Door
94	0	6	24	2006	16:14-16:15	4 W Sherwood	Calumet
95	0	6	3	2007	18:11	1.6 ESE Shawano	Shawano
96	2	6	7	2007	15:01-15:14	1.4 W Peplin - 0.9 N Pike Lake	Marathon
97	0	6	7	2007	15:26	2.2 W - 2.1 W Wisconsin Rapids Airport	Wood
98	3	6	7	2007	15:31-16:18	2 ENE Mattoon - 9.5 ENE Lakewood	Shawano, Langlade, Oconto
99	1	6	7	2007	16:37-16:40	0.5 W -2.5 ENE Cedarville	Marinette
100	1	6	7	2007	17:16-17:20	3.5 W Harmony - 1.2 N Harmony	Marinette
101	0	6	20	2007	16:06	6 NW Ellison Bay (waterspout)	Door
102	0	6	15	2015	14:09-14:10	1.5 NNW Glenmore - 1.4 NNW Glenmore	Brown
103	0	6	4	2016	18:00-18:01	0.9 NE Shawano Lake	Shawano
104	0	6	10	2016	19:00-19:03	1.3 SW Mackville - 1.8 S Mackville	Outagamie
105	0	6	15	2016	17:47-17:49	3.3 WSW Harrison - 2.6 NW Stockbridge	Calumet
106	0	6	26	2016	01:30-01:35	4.2 ESE Symco - 6.4 NNE Northport	Waupaca
107	0	6	30	2016	18:16	0.8 WSW Poniatowski	Marathon
108	0	6	14	2017	12:47	2.0 NE Gresham	Shawano
109	1	6	14	2017	13:49-13:52	2.4 ENE Wild Rose - 3.2 NW Saxeville	Waushara
110	1	6	14	2017	14:28-14:37	2.6 SSW Appleton - 1.7 NNW Little Chute	Outagamie, Winnebago
111	0	6	14	2017	14:30-14:34	2.9 SSW Mackville - 2.0 SE Mackville	Outagamie
112	0	6	14	2017	14:31-14:38	3.1 ENE Bear Creek - 2.3 WNW Leeman	Outagamie
113	1	6	14	2017	14:40-14:45	1.9 W Nichols - 1.2 WNW Briarton	Outagamie, Shawano
114	1	6	14	2017	14:45-14:51	1 SE Briarton - 0.9 ESE Landstad	Shawano
115	1	6	14	2017	14:51-14:59	1.7 SSE Angelica - 1.7 SW Krakow	Shawano
116	0	6	14	2017	14:53-14:55	2 NW Hofa Park - 0.7 NE Frazier	Shawano
117	0	6	14	2017	14:53-14:55	1.2 SW Morrison - Morrison	Brown
118	0	6	20	2020	16:01-16:02	0.7 N to 0.9 N Butte des Morts	Winnebago
119	0	6	20	2020	16:23-16:27	1.1 SSW to 0.5 SE Butte des Morts	Winnebago
120	0	6	20	2020	16:35-16:41	6.2 SE Oshkosh Wittman Field	Winnebago
121	1	6	15	2022	16:34-16:46	1.2 ESE Wittenberg - 2.8 NNW Bowler	Shawano
122	1	6	15	2022	16:41-16:47	1.4 WNW Brushville - 1.4 NE West Bloomfield	Waushara
123	1	6	15	2022	16:46-16:47	4 NNE Bowler - 4.5 NNE Bowler	Shawano

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

Event 1: June 25, 1950

The F4 tornado touched down one mile west of Woodboro in Oneida County around 9 PM CST and traveled 13.1 miles to five miles northeast of Rhinelander. The tornado reached a maximum width of 880 yards. Two deaths were reported in Oneida County.

Event 2: June 25, 1950

The F2 tornado touched down 3 miles west of Colby in Marathon County and traveled to three miles northeast of Abbotsford around 9 PM CST. There was no additional information on this tornado. The tornado traveled approximately 3 miles with a maximum width of 20 yards.

Event 3: June 20, 1953

The brief F1 tornado touched down in Three Lakes in Oneida County around 6 PM CST. The tornado was 100 yards wide and traveled two miles before dissipating. Trees and power lines were downed along with some damage to summer homes.

Event 4: June 20, 1954

The F2 tornado developed around 2:30 AM CST in Rothschild in Marathon County. The tornado traveled approximately 6.3 miles and dissipated six miles northeast of Mosinee around 2:40 AM CST. The maximum width of the tornado was 70 yards. Another tornado was reported in Brothertown in Calumet County around 4 AM CST.

Event 5: June 20, 1954

The F2 tornado developed around 4 AM CST in Brothertown in Calumet County. The tornado traveled one mile and had a maximum width of less than 50 yards.

Event 6: June 14, 1957

The F1 tornado touched down at Florence in Florence County around 5:30 PM CST. The tornado traveled approximately 8 miles and reached a maximum width of 100 yards before dissipating.

Event 7: June 4, 1958

According to several sources, it appears that there was a long tracked F3 tornado that developed 6 miles southeast of Chippewa Falls in Chippewa County around 7:30 PM CST. The tornado then moved to the east northeast for just over 59 miles before dissipating 2 miles northwest of Athens in Marathon County around 8:06 PM CST. The tornado reached a maximum width of 880 yards. Newspaper accounts indicated there were three separate tornadoes during this event. The tornado or tornadoes killed 28 people across western Wisconsin. Four people died in Chippewa Falls and near Menominee while two deaths were reported Knapp and Boyd in western Wisconsin.

Event 8: June 30, 1958

The brief F2 tornado touched down around 5:30 PM CST one mile northwest of Gleason in Lincoln County. The tornado traveled approximately 2 miles and reached a maximum width of 50 yards. According to the Rhinelander Daily News, the United States Weather Bureau of a Northwest Orient Airlines plane and an Antigo radar station both reported radar echoes with the dangling hooks characteristic of tornado clouds.

Event 9: June 10, 1959

The F1 tornado touched down near De Pere in Brown County around 1:20 PM CST. The tornado traveled about a mile and was less than twenty yards wide.

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

Event 10: June 23, 1962

The F1 tornado touched down 2 miles west of Champion in eastern Brown County around 4:30 PM CST. According to the local storm report for June of 1962, the tornado became or originated as a waterspout near Point Sauble as the storm was picking up water at times. The tornado/waterspout had a maximum width of less than 50 yards and traveled 3 miles before dissipating at 4:35 PM CST.

Event 11: June 23, 1962

The F0 tornado touched down 15 miles east of Stevens Point in Portage County around 7 PM CST.

Event 12: June 9, 1964

The F1 tornado was sighted in Belle Plaine in Shawano County around 2:55 PM CST. The Adams Beach area was hit the hardest according to newspaper reports.

Event 13: June 9, 1964

The F2 tornado touched down near Pound in Marinette County around 3 PM CST. The tornado traveled approximately 3 miles and had a maximum width of 50 yards.

Event 14: June 4, 1966

There were two F2 tornadoes reported on this date in Oconto County. The EF2 tornado touched down near Gillett and then traveled nearly 5 miles to two miles northeast of Oconto Falls in Oconto County around 7 PM CST. The tornado was 50 yards wide. Another F2 tornado was reported near Suring around 7 PM CST. There was a total of three tornadoes across Oconto County on this night. The tornadoes brought 37 barns and many trees and wires down across the county near Gillett and Suring.

Event 15: June 4, 1966

There were two F2 tornadoes reported on this date in Oconto County. The EF2 tornado was reported near Suring around 7 PM CST. The tornado was 50 yards wide and traveled for 2 miles before dissipating. Another F2 tornado touched down near Gillett and then traveled nearly 5 miles to two miles northeast of Oconto Falls in Oconto County around 7 PM CST. There were a total of three tornadoes across Oconto County on this night. The tornadoes brought 37 barns and many trees and wires down across the county near Gillett and Suring.

Event 16: June 30, 1967

The F2 tornado struck Chilton in Calumet County around 11:49 PM CST. The tornado then traveled to 7 miles east of Chilton before dissipating around 11:59 PM CST. The maximum width of the tornado was 100 yards. The city of Chilton took the brunt of the damage. At least five buildings were destroyed beyond repair. A trailer home tumbled end over end across a lot and a good share of trees were torn up.

Event 17: June 30, 1968

The F2 tornado touched down 3 miles northwest of Cavour in Forest County around 4 AM CST. The tornado traveled east northeast approximately one mile and had a maximum width of 200 yards. Several buildings were damaged on the Aschenbrenner Farm near Cavour.

Event 18: June 30, 1968

The F1 tornado touched down on the Zern property 3 miles south of Pembine in Marinette County around 4:45 AM CST. The tornado was 100 yards wide and traveled on the ground for a half mile. Trees and a garage were destroyed by the tornado.

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

Event 19: June 26, 1969

A rare morning tornado was reported across northeast Wisconsin. Around 11:15 AM CST, the F3 tornado was noted moving northeast between Black Creek and near Pulaski in Outagamie County. The tornado traveled across far southeast Shawano County before dissipating 8 miles west of Sobieski in Oconto County around 11:30 AM CST. The tornado caused extensive damage to trees and buildings in Black Creek, Seymour, Hofa Park, Elm Lawn and near Pulaski. A seven year old girl was hospitalized from injuries when a barn fell on her. The tornado traveled 18 miles and reached a maximum width of 100 yards.

Event 20: June 26, 1969

According to the local storm report, the F1 tornado skipped northeast through the forests of Price, southeast Iron and western Vilas Counties. The tornado struck Vilas County from 2 miles west of Manitowish Waters around 4:30 PM CST and moved to three miles southwest of Presque Isle. Most of the damage occurred around Manitowish Waters.

Event 21: June 26, 1969

The F2 tornado formed near Lac Du Flambeau in Vilas County around 5 PM CST and skipped northeast for nearly 29 miles. The tornado dissipated along the Michigan border 9 miles northwest of Land O' Lakes. Maximum width of the tornado was 35 yards. Resort areas from Fence Lake northeastward across Big Crooked and High Lakes suffered damage.

Event 22: June 26, 1969

The F1 tornado traveled 22 miles across Clark, Taylor and Lincoln Counties. The tornado did major damage from the Withee area in northern Clark County around 4:10 PM CST. Two persons were injured and about ten farms sustained damage. Major damage from the tornado was reported at the Taylor County Airport near Medford around 4:30 PM CST. Seven planes and one hangar suffered severe damage. The tornado entered western Lincoln County and traveled to near Pelican Lake around 5 PM CST before dissipating. Five more farms suffered serious damage in northeast Lincoln County. Tree and wire damage termed "worst ever" by utilities in the northern resort areas.

Event 23: June 17, 1970

The F0 touched down briefly 3 miles south of Wisconsin Rapids in Wood County around 6:35 PM CST. The tornado was 100 yards wide and only traveled a tenth of a mile. According to the monthly storm report, the tornado touched down in open country.

Event 24: June 6, 1971

The F1 tornado was reported 5 miles southwest of Oshkosh in Winnebago County around 11:15 PM CST. The tornado was 50 yards wide and traveled nearly 4 miles before it dissipated. The tornado demolished one barn and damaged several others on highway 26 about five miles southwest of Oshkosh.

Event 25: June 13, 1971

The public reported the F1 tornado 8 miles northwest of Oshkosh in Winnebago County around 4:30 PM CST. The tornado was 50 yards wide and only traveled a quarter of a mile. Many trees were down in small grove eight miles northwest of Oshkosh.

Event 26: June 18, 1971

The F1 tornado struck about 5 miles west of Marinette in Marinette County, near Highway 64 and Right O Way Road around 1:45 PM CST. The tornado was 100 yards wide and traveled just over four miles before it dissipated. Many trees were uprooted and several resort and farm buildings were damaged.

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

Event 27: June 3, 1973

The F1 tornado first touched down just north of Amberg in Marinette County around 6:15 PM CST. The tornado was 100 yards wide and moved four and a half miles across Marinette County before dissipating. The tornado upended several house trailers and destroyed several wooden structures at the Sparkling Springs Campground just north of Amberg. Several acres of trees were leveled at the campsite and northeastward to Assembly of God Church in Beecher Township.

Event 28: June 18, 1973

The F1 tornado touched down on the Brunke Farm 2 miles west of Athens in Marathon County around 11 AM CST. The tornado was 200 yards wide and traveled east for two miles before dissipating.

Event 29: June 9, 1974

The F1 tornado formed in Adams County and then moved into southwest Portage County where it touched down briefly on the Sawyer Farm Route 1, Bancroft around 2:45 PM CST. The tornado was 30 yards wide and traveled two and a half miles. The tornado damaged a barn, a chicken coop and a porch on house. Only minor tree damage was noted.

Event 30: June 14, 1974

On the afternoon of June 14th, the F1 tornado touched down 5 miles northwest of Gillett in Oconto County around 4:10 PM CST. The tornado was 30 yards wide and traveled only a quarter of a mile. The tornado downed trees and power lines and threw a chopper wagon thirty yards.

Event 31: June 12, 1976

The F2 tornado touched down a mile west of Alban in Portage County around 8:30 PM CST. The tornado only traveled about a quarter of a mile and reached a maximum width of fifty yards. The tornado leveled a mobile home a mile west of Alban.

Event 32: June 12, 1976

The F1 tornado touched down near Amherst in Portage County around 9 PM CST. The tornado was 50 yards wide and traveled around a quarter of a mile. The Amherst High School roof was ripped off.

Event 33: June 13, 1976

The F1 tornado formed 4 miles west of Wisconsin Rapids in Wood County around 6:40 PM CST. The tornado continued to move east northeast to three miles northeast of Stevens Point near the intersection of Highway 51 and Business 51 before dissipating around 7:20 PM CST three miles northeast of Stevens Point. The tornado traveled nineteen miles and reached a maximum width of 100 yards. Many trees were flattened. In Stevens Point, scattered damage was reported just north of the city and a roof was blown off an apartment complex. Several other buildings also suffered damage. Two people in the apartment complex were injured from fallen debris.

Event 34: June 13, 1976

The F2 tornado was observed by the police chief of Plover in Portage County around 7 PM CST. The tornado touched down at the intersection of Highway 54 and County B. The tornado was only on the ground for about a quarter of a mile and had a maximum width of about fifty yards.

Event 35: June 13, 1976

The F1 tornado hit first about two miles west of Hogarty in Marathon County around 8 PM CST. The tornado skipped along and moved east northeast into extreme southwest Langlade County near Elmhurst and then continued to near Elton before dissipating at 8:10 PM. The tornado was 50 yards wide and traveled 21.3 miles. Some sheds were destroyed while windows of some buildings were damaged. Tree limbs and power lines were downed by the tornado.

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

Event 36: June 13, 1976

The F1 tornado developed near county highway H and Highway 54 about five miles east of Seymour in Outagamie County around 8 PM CST. The tornado was 50 yards wide and traveled a half mile. Three barns were destroyed.

Event 37: June 13, 1976

The F1 tornado developed just west of Oconto Falls in Oconto County around 8:15 PM CST. The tornado was 50 yards wide and traveled less than a quarter of a mile. The damage from the tornado included: a barn was destroyed, a farm house was damaged, trees and power lines were down and a good portion of an orchard was destroyed.

Event 38: June 13, 1976

The tornado first reached the ground near Highway 64 in extreme southeast Lincoln County around 8:45 PM CST. The tornado then moved into western Langlade County about 3 miles north of Highway 64. The tornado skipped along to near county Highway I about 11 miles northwest of Antigo where it was last reported. The tornado was 50 yards wide and traveled nearly eleven miles. The only report of damage was some downed trees.

Event 39: June 7, 1978

The F2 tornado touched down briefly 2 miles northwest of Francis Creek in Manitowoc County around 3:15 PM CST. The path length and maximum width of the tornado were not documented.

Event 40: June 16, 1979

The F2 tornado developed near Oconto Falls in Oconto County around 9:30 AM CST. The tornado traveled just over 15 miles and reached a maximum width of 100 yards before dissipating 2 miles northeast of Lena. At least 17 frame and mobile homes along with numerous barns were damaged or destroyed. Heavy rains and large hail accompanied the tornado destroying crops along the thunderstorm path.

Event 41: June 16, 1979

The F1 tornado developed 2 miles north of Irma in Lincoln County around 3:30 PM CST. The tornado moved to 2 miles northeast of Irma before dissipating at 3:45 PM CST.

Event 42: June 20, 1979

The F1 tornado touched down 3 miles south of Oshkosh in Winnebago County around 1:45 PM CST. The tornado on this date followed almost the same path as another more destructive twister that hit the city in April 1974. The tornado destroyed two mobile homes and severely damaged five others. Four people were hospitalized due to the injuries they suffered from the tornado.

Event 43: June 20, 1979

Goodman in Marinette County was hit by the F1 tornado around 2:30 PM CST. The tornado tore the roof off Louisiana Pacific Corps Seaway Division. Clarence Richards, personnel manager said 100 to 125 people were working inside the building when the tornado struck. Company officials said some of the workers were trapped when the roof collapsed. Only one injury was reported. There was no documentation on path length or width of the tornado.

Event 44: June 7, 1980

The brief F2 tornado touched down in Valders in Manitowoc County around 12:20 AM CST. The tornado was less than 50 yards wide and was on the ground for less than a quarter of a mile. The brief touchdown resulted in the destruction of a large modern barn and heavy farm equipment. Field crops were beaten down in the vicinity of the storm.

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

Event 45: June 14, 1980

The F1 tornado developed about 5 miles northwest of Manawa at Highway 161 near County Highway E in Waupaca County around 12:30 PM CST. The tornado crossed Highway 161 and then turned eastward and dissipated near Manawa. The tornado was 50 yards wide and traveled five miles before dissipating. Several residents in the area took several spectacular photographs of the twister.

Event 46: June 14, 1980

The small F1 tornado formed at Highway C one mile east of Rhinelander in Oneida County at 1:25 PM CST. The tornado was 50 yards wide and traveled eastward for a mile and a half before the tornado dissipated over Lake Thompson. A falling tree injured one person seriously and two other injuries were noted in a trailer court. One house and three trailers and several rural buildings suffered damage.

Event 47: June 14, 1980

The F0 tornado was reported 5 miles north of Rhinelander by the Oneida County sheriff's department at 2:22 PM CST. The brief tornado touched down in a rural area. There was no documentation on path length or width of the tornado.

Event 48: June 13, 1981

The F1 tornado touched down at the Timber Ridge Country Club on Route 51 one mile north of Hazelhurst in Oneida County around 8:40 PM. There was no documentation on path length or width of the tornado. The tornado destroyed about one thousand trees.

Event 49: June 13, 1981

The F1 tornado touched down at County Highway N about a half mile north Sayner. The tornado moved east for three miles through the dense forest and cross the intersection of Highway N and Highway G then dissipated. The tornado damaged electric lines, telephone poles and trees. The tornado was fifty yards wide.

Event 50: June 13, 1981

There is very little information available on this F2 tornado that struck Three Lakes in Oneida County around 9 PM. Path length and width were not available.

Event 51: June 26, 1984

The F1 tornado touched 13 miles north of Wausau in Marathon County around 4:55 PM CST. The tornado was 100 yards wide and skipped eastward for 8 miles before dissipating in the town of Texas. The tornado damaged four homes and three farm buildings. It also destroyed a few sheds and uprooted trees.

Event 52: June 26, 1984

The E1 tornado touched down on the west side of Caroline in Shawano County around 7 PM CST. The tornado was 50 yards wide and traveled 4 miles before dissipating east of Caroline. On the west side of Caroline, the tornado flattened sheds and knocking over several large trees and gravestones in a cemetery. A church roof was ripped off on the east side of Caroline. The entire town was without power for three hours.

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

Event 53: June 8, 1985

A severe thunderstorm spawned a killer F3 tornado and dropped large hail as it rolled through Price and Oneida Counties, causing widespread property, crop, and timber damage. The tornado skipped from Park Falls to about 15 miles southeast of Rhinelander. The tornado first touched down one mile west of Park Falls around 6:15 PM CST and moved through the southern portion of the city. In Park Falls, 125 buildings were damaged with 12 houses and businesses were heavily damaged or destroyed. 26 people received mostly minor injuries in Park Falls. The tornado continued southeast, cutting an eighteen mile and 1.5 miles wide swath through eastern Price County and into Minocqua in Oneida County where the tornado dissipated around 6:52 PM CST. Two people were killed and sixteen injured at Swamsauger Lake and Cedar Falls resort in the Willow Reservoir area in Oneida County. A man apparently drowned when the tornado lifted him and his house and deposited it into Swamsauger Lake. A woman was killed when a tree crashed through a vehicle in which she was seeking refuge. The tornado continued to the southwest portion of Rhinelander and then dissipated southeast of Monico. A total of 47 residences were heavily damaged or destroyed while another 43 more received some damage in Oneida County. 9,900 acres of timber and cranberry bogs were lost in Oneida County.

Event 54: June 8, 1985

The F2 tornado touched down around 8 PM CST near Sand Bay in Door County, causing some building damage. The tornado skipped east 5 miles across portions of Sturgeon Bay. The tornado was 150 yards wide. Garages, sheds and ten barns were leveled or blown away. Yachts were blown off cradles and hundreds of trees were downed. Property damage was estimated at \$1.8 million dollars. Hail up to five inches in diameter covered the ground to a depth of six inches just northeast of Sturgeon Bay. The storm caused an estimated \$1.5 million dollars in crop damage.

Event 55: June 12, 1990

The F1 tornado hit a farm 2 miles west of Stratford in Marathon County around 6:35 PM CST. The tornado was 25 yards wide and was only on the ground for a tenth of a mile. According to newspaper reports, there was damage to some farm structures.

Event 56: June 14, 1991

The F1 tornado touched down 8 miles west northwest of Merrill in Lincoln County around 11:55 AM CST. The tornado was 50 yards wide and was on the ground for a mile. The tornado destroyed several trees, a barn and damaged a roof and porch of a house.

Event 57: June 27, 1991

The F2 tornado touched down 12 miles west-southwest of Minocqua in Oneida County around 6:20 PM CST. The tornado cut a 6 miles swath from near Pine Lake to Franklin Lake to Marion Lake before dissipating around 6:30 PM CST. The tornado was 400 yards wide. Thirteen homes and one car were damaged along its path with damage estimated at \$350,000 dollars. In addition, 1,600 acres of industrial forest valued at \$240,000 were also damaged.

Event 58: June 17, 1992

The F0 tornado briefly touched down in an open field 2 miles northeast of Denmark in Brown County around 12:55 PM CST. The tornado was 25 yards wide and only traveled a tenth of a mile.

Event 210: June 8, 1993

Three weak tornadoes touched down across Waushara County during the evening. The F0 tornado developed two and a half miles south of Spring Lake around 6:38 PM CST. The tornado was 25 yards wide and traveled 8 miles before dissipating around 6:55 PM CST two miles west of Auroraville. Only minor damage was noted.

Event 60: June 8, 1993

Three weak tornadoes touched down across Waushara County during the evening. The F0 tornado developed a half mile east of Dakota around 7:15 PM CST. The tornado was 35 yards wide and traveled 12 miles before dissipating around 7:35 PM CST two miles south of Redgranite. Only minor damage was noted.

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

Event 61: June 8, 1993

Three weak tornadoes touched down across Waushara County during the evening. The F0 tornado touched down 5 miles southeast of Redgranite around 7:35 PM CST. The tornado was 25 yards wide and traveled 6 miles before dissipating at 7:45 PM three miles southeast of Auroraville. Only minor damage was noted.

Event 62: June 8, 1993

The F0 small tornado briefly touched down in an open field one mile east of Pickett in Winnebago County around 5:35 PM CST. The tornado was 25 yards wide and traveled a tenth of a mile.

Event 63: June 29, 1995

The F0 tornado touched down 10 miles southwest of Kewaunee in Kewaunee County around 11:05 AM CST. The tornado was 10 yards wide and traveled a tenth of a mile. The weak tornado touched down only for a few seconds in southern Kewaunee County. Minimal crop damage was reported since this brief tornado occurred in open rural country. The tornado appeared to form on the Lake Michigan lake breeze.

Event 64: June 11, 1996

The F0 tornado briefly touched down 5 miles northwest of Chilton in Calumet County near the intersection of County Trunk BB and Killsnake Road around 4:08 PM CST. The tornado was 30 yards wide and was on the ground for a tenth of a mile before dissipating around 4:09 PM CST. The tornado threw a pile of lumber 30 feet in the air, tore shingles off of a shed and broke a window.

Event 65: June 16, 1998

The F0 was designated a landspout in the monthly storm report. The tornado touched down 3 miles west northwest of Coloma in Waushara County at 3 PM CST. The tornado was 20 yards wide and was on the ground for a tenth of a mile. No damage was reported.

Event 66: June 8, 2003

The brief F0 tornado touched down 4 miles west of Oshkosh in Winnebago County at 11:40 AM CST. The tornado was 15 yards wide and traveled a tenth of a mile before dissipating.



Event 67: June 8, 2003

The F0 waterspout was photographed about 5 miles east of Oshkosh Wittman Field in Winnebago County at 12:20 PM CST. The waterspout was 40 yards wide and traveled a half mile before dissipating 5.5 miles east southeast of Oshkosh Wittman Field. The waterspout was observed by numerous participants of a fishing tournament that was taking place on the lake.

Event 68: June 8, 2003

The F0 waterspout was reported 4.3 miles west of Brothertown in Calumet County at 12:42 PM CST. The waterspout was 40 yards wide and traveled four tenths of a mile before dissipating 4.1 miles west southwest of Brothertown at 12:46 PM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

Event 69: June 8, 2003

The F0 tornado touched down 4 miles south of the Marshfield Municipal Airport in Marshfield in Wood County at 12:59 PM CST. The tornado was 50 yards wide and traveled a tenth of a mile before dissipating 4.1 miles south of the Marshfield Municipal Airport at 1:02 PM CST. The tornado tore siding from a garage, broke windows, destroyed a playhouse, and a dog-house and blew two 50-pound barrels 200 yards away.

Event 70: June 23, 2004

The F1 tornado touched down 3 miles west northwest of Almond around 6:46 PM CST. The tornado was 25 yards wide and was on the ground for a mile and a half before dissipating 3 miles north northeast of Almond around 6:48 PM CST. The tornado knocked down several trees and a fence, damaged the roof of a house and damaged some outbuildings.

Event 71: June 23, 2004

The F0 tornado touched down in Whiting in Portage County at 6:47 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile. The tornado caused minor tree damage in an industrial park in Whiting. Eyewitnesses observed water being sucked out of a pond at the same time as doors to an office were sucked open.

Event 72: June 23, 2004

The F1 tornado touched down 3 miles southeast of Blaine in southeastern Portage County around 6:53 PM CST. The tornado was 100 yards wide and traveled two and a half miles to 5 miles east southeast of Blaine at 6:56 PM CST. The tornado downed trees and overturned an irrigation system.

Event 73: June 23, 2004

The F2 tornado originally touched down in southeast Portage County. The tornado then strengthened as it moved into southwest Waupaca County 9 miles west of Waupaca around 6:56 PM CST. The tornado was 125 yards wide and traveled 11 miles before dissipating 2 miles southwest of Lind Center at 7:06 PM CST. The tornado scoured asphalt off a road, destroyed a barn, sheared off the top 50 feet of a silo crushing 3 calves, damaged a sheet metal outbuilding, and killed 3 sheep. The tornado tore the roof from a house and destroyed the garage, overturned a semi-trailer and moved it 50 feet. Many trees were snapped off or uprooted. Some of the debris from this tornado landed several miles to the east in the Fremont area of Waupaca County.

Event 74: June 23, 2004

The F1 tornado touched down in at least four locations from Little Chute to Kaukauna in Outagamie County between 8 PM and 8:08 PM CST. The tornado was 100 yards wide and traveled 3.5 miles before dissipating. The tornado toppled or twisted large trees, ripped parts of the roofs from residential and commercial buildings, destroyed storage sheds and an old barn. Semi-trailers were overturned, some of them onto other vehicles.

Event 75: June 23, 2004

The brief F0 tornado touched down on the northwest side of Green Bay in Brown County at 8:27 PM CST. The tornado was 10 yards wide and traveled a tenth of a mile. The tornado caused some tree damage.

Event 76: June 4, 2005

The F0 touched down one mile east of Auroraville in Waushara County at 1:54 PM CST. The tornado was 75 yards wide and was on the ground for two tenths of a mile. No significant damage was noted from this tornado.

Event 77: June 4, 2005

The F0 touched down 2 miles northwest of Borth in Waushara County at 2:05 PM CST. The tornado was 50 yards wide and was on the ground for a tenth of a mile. No significant damage was noted from this tornado.

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

Event 78: June 4, 2005

The F0 touched down 4 miles west of Edgar in Marathon County at 3:27 PM CST. The tornado was 75 yards wide and was on the ground for 1.2 miles before dissipating four and a half miles west northwest of Edgar at 3:29 PM CST. No damage was noted in the month storm report for this tornado.

Event 79: June 4, 2005

The F0 touched down a mile west of Athens in Marathon County at 3:39 PM CST. The tornado was 100 yards wide and was on the ground for 1.3 miles before the tornado dissipated a mile and a half northwest of Athens at 3:42 PM CST. The tornado downed some trees, flattened a barn and tore the roof from another barn.

Event 80: June 4, 2005

The F0 touched down 4 miles south of Athens in Marathon County at 5:06 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The monthly local storm report did not indicate any damage from this tornado.

Event 81: June 4, 2005

The F0 touched down 3 miles west of Marathon in Marathon County at 5:20 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The monthly local storm report did not indicate any damage from this tornado.

Event 82: June 4, 2005

The F0 waterspout touched down on Lake Michigan 5 miles east of Kewaunee in Kewaunee County at 5:30 PM CST.

Event 83: June 4, 2005

The F0 touched down 7 miles south of Hogarty in Marathon County at 7:18 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The monthly local storm report did not indicate any damage from this tornado.

Event 84: June 9, 2005

The F0 waterspout touched down 5 miles southeast of Oshkosh on Lake Winnebago in Winnebago County at 5:40 PM CST. The waterspout was 40 yards wide and traveled 3 miles before dissipating 5 miles east of Oshkosh at 5:50 PM CST.

Event 85: June 9, 2005

The F0 waterspout touched down 4 miles northwest of Stockbridge on Lake Winnebago in Calumet County at 6:14 PM CST. The waterspout was 25 yards wide and was on the water for a tenth of a mile.

Event 86: June 10, 2005

The F0 tornado touched down 4 miles west of Mosinee in Marathon County at 1:03 PM CST. The tornado was 20 yards wide and was on the ground for a tenth of a mile. No damage was noted in the monthly storm data.

Event 87: June 10, 2005

The F0 tornado touched down one mile north of Winneconne in Winnebago County at 3:05 PM CST. The tornado was 20 yards wide and was on the ground a tenth of a mile.

Event 88: June 10, 2005

The F0 tornado touched down 2 miles west of Clintonville in Waupaca County at 3:10 PM CST. The tornado was 20 yards wide and was on the ground a tenth of a mile.

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

Event 89: June 10, 2005

The F0 waterspout was reported 4 miles east southeast of Oshkosh on Lake Winnebago in Winnebago County at 7:10 PM CST. The waterspout was 20 yards wide and was on the water a tenth of a mile. This was one of 3 waterspouts reported on Lake Winnebago on this evening.

Event 90: June 10, 2005

The F0 waterspout was reported 3 miles east southeast of Oshkosh on Lake Winnebago in Winnebago County at 7:22 PM CST. The waterspout was 20 yards wide and was on the water a tenth of a mile. This was one of 3 waterspouts reported on Lake Winnebago on this evening.

Event 91: June 10, 2005

The F0 waterspout was reported 3 miles east southeast of Oshkosh on Lake Winnebago in Winnebago County at 7:48 PM CST. The waterspout was 20 yards wide and was on the water a tenth of a mile. This was one of 3 waterspouts reported on Lake Winnebago on this evening.

Event 92: June 13, 2005

The F0 tornado touched down 4.1 miles north northeast of Black Creek in Outagamie County at 2:49 PM CST. The tornado was 75 yards wide and was on the ground two tenths of a mile before it dissipated 4.1 miles north northeast of Black Creek at 2:50 PM CST. The tornado knocked down a tree and caused damage to shingles at a residence.

Event 93: June 18, 2006

The F0 waterspout was reported 3 miles northwest of Sister Bay in Door County at 4:43 PM CST.

Event 94: June 24, 2006

The F0 waterspout was reported 4 miles west of Sherwood on Lake Winnebago in Calumet County at 4:14 PM CST. The waterspout remained nearly stationary for a minute before dissipating.

Event 95: June 3, 2007

The brief EF0 landspout was reported about 2 miles east southeast of Shawano in Shawano County at 6:11 PM CST. The landspout lasted 20 seconds and was observed and photographed. No damage was reported.

Event 96: June 7, 2007

There were five tornadoes on this date across north central and northeast Wisconsin. The EF2 tornado developed nine tenths of a mile west Peplin in Marathon County around 3:01 PM CST. The tornado traveled just over 7 miles and reached a maximum width of 225 yards before it dissipated nearly a mile north of Pike Lane around 3:14 PM CST. At least 8 homes, 10 barns, and numerous trees were damaged.

Event 97: June 7, 2007

The EF0 tornado touched down 2.2 miles south of Wisconsin Rapids in Wood County at 3:26 PM CST. The brief tornado was seen by a storm chaser before dissipating 2.1 miles south of Wisconsin Rapids. The same storm also produced hail up to 5.5 inches in diameter in Port Edwards and Wisconsin Rapids.

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

Event 98: June 7, 2007

By National Weather Service Green Bay Staff



Fast moving supercell thunderstorms with damaging winds, hail larger than 5 inches in diameter, and tornadoes ripped across central and northeast Wisconsin on June 7, 2007. Five tornadoes touched down in central and northeast Wisconsin.

Map of northeast Wisconsin and tornado tracks. Not denoted on the map is an area of straight-line wind damage in the Thunder Mountain area of western Marinette County, caused by the same supercell that produced the long-track tornado.

Menominee-Langlade-Oconto Counties Long-Track Tornado

A long-track tornado touched down at 3:31 PM CST east of Mattoon in Shawano County and continued northeast to the Oconto-Marinette County line. The tornado was on the ground for at least 40 miles and was over 1/2 mile wide at times. Over 14,000 acres of trees were snapped or flattened, and many dozens of buildings were damaged or destroyed. The twister was rated an EF3 on the Enhanced Fujita scale, with estimated winds of 140 to 160 mph.



Picture on left: Tornado passing south of White Lake in Langlade Co. Picture courtesy: WAOW-TV.

Picture on right: Tornado as seen from HWY T in southwest Oconto Co. Picture courtesy of the Wisconsin Department of Natural Resources.

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

Event 98: June 7, 2007 Continued

June 7, 2007: Tornadoes and Monster Hail



Path of tornado damage: Viewed by Aqua MODIS satellite. Courtesy: ERSC, UW-Madison.

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

Event 98: June 7, 2007 Continued

June 7, 2007: Tornadoes and Monster Hail



Picture above: Damage at the Bear Paw Resort.



Picture on the left: More damage at the Bear Paw Resort.



Picture on the right: This is what remained of a double-wide mobile home in the town of Riverview. The owner heard the Tornado Warning and went into the bathtub (circled in large view), and escaped without a scratch!

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

Event 98: June 7, 2007 Continued



Looking northeast across Hwy 64 in Oconto Co. The damage path was as much as 3/4 mile wide in this area. Picture: Courtesy Wisconsin DNR

Event 99: June 7, 2007

The EF1 tornado developed a half mile west of Cedarville in Marinette County around 4:37 PM CST. The tornado was 200 yards wide and traveled three miles before it dissipated 2.5 miles east northeast of Cedarville around 4:40 PM CST. The tornado tore a significant portion of the roof from one home, snapped a few trees and uprooted numerous others. A manufactured home was moved off its foundation and down an embankment.

Event 100: June 7, 2007

The EF1 tornado developed three and a half miles west of Harmony in Marinette County around 5:16 PM CST. The tornado was 200 yards wide and traveled 3.6 miles before dissipating 1.2 miles north of Harmony, or 2.9 miles south-southwest of Porterfield around 5:20 PM CST. One person was injured by flying debris as she sought refuge in their home. The tornado flattened a barn, tore a significant part of a sheet metal roof from an outbuilding, blew in a garage door and tore part of a roof deck over the garage from a home that was under construction.

Event 101: June 20, 2007

The EF0 waterspout was reported 6 miles northwest of Ellison Bay in Door County at 4:06 PM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

Event 102: June 15, 2015

The weak EF0 tornado touched down at 2:31 PM CST a mile and a half north-northwest of Glenmore in Brown County. The tornado traveled just over a quarter of a mile and was 25 yards wide before the tornado dissipated 1.4 miles north-northwest of Glenmore. A swing set was toppled, and a small metal shed was pushed twenty feet.

Event 103: June 4, 2016

The EF0 tornado touched down at 6 PM nearly a mile northeast of Shawano Lake in Shawano County. The tornado traveled a tenth of mile and was 50 yards wide before dissipating at 6:01 PM CST. A very weak waterspout occurred on Loon Lake, about five miles northeast of the city of Shawano. The waterspout was photographed and recorded by law enforcement, remained nearly stationary for about a minute before dissipating. The tornado caused no damage.

Event 104: June 10, 2016

The EF0 tornado touched down at 6 PM 1.3 miles southwest of Mackville in Outagamie County. The tornado traveled nearly a mile and a half to the southeast before dissipating at 6:03 PM CST. The tornado was 25 yards wide. Damage was limited to broken tree branches and limbs with estimated peak winds of 55 to 60 mph. The tornado was photographed by a storm spotter.

Event 105: June 15, 2016

The EF0 tornado (waterspout) touched down on the eastern shores of Lake Winnebago in Calumet County at 5:47 PM CST. The waterspout was 25 yards wide and traveled nearly seven tenths of a mile to the southeast before dissipating at 5:49 PM CST. No damage was noted.

Event 106: June 26, 2016

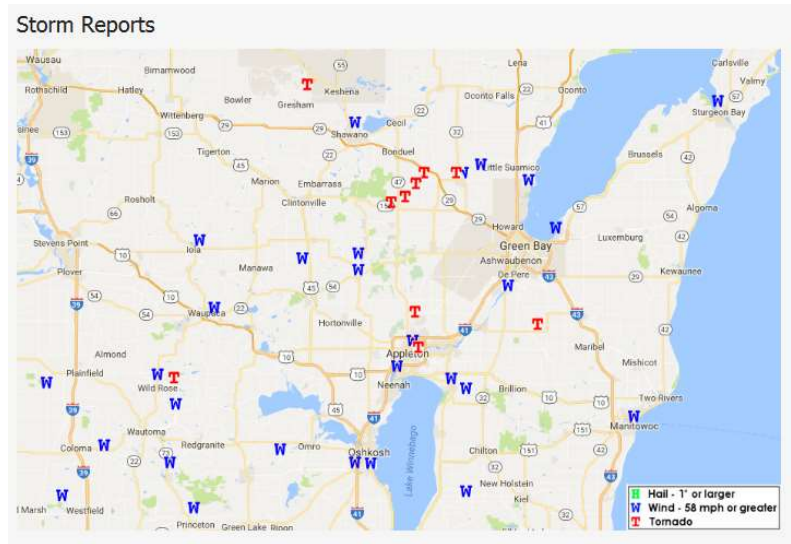
The EF1 tornado touched down 4.2 east southeast of Symco in Waupaca County around 1:30 AM CST. The tornado was 100 yards wide and traveled just over two and a half miles before dissipating 6.4 miles north northeast of Northport around 1:35 am CST. At least half dozen trees were snapped along the path and several trees were uprooted. Several farm buildings were heavy damaged, with metal from the buildings strewn downwind hundreds of yards. A manufactured home was pushed off its block foundation.

Event 107: June 30, 2016

The EF0 tornado touched down nearly a mile west southwest of Poniatowski in Marathon County around 6:16 PM CST. The tornado traveled less than a tenth of a mile and was 50 yards wide. Minor damage was reported at a farm near Poniatowski. The tornado dissipated at 6:16 PM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

June 14, 2017: 10 Tornadoes Reported On This Date



Event 108: June 14, 2017

The EF0 tornado touched down in an open field two miles northeast of Gresham near the Shawano/Menominee County line (tornado was photographed) at 12:47 PM CST. The tornado was twenty-five yards wide and traveled a tenth of a mile before dissipating at 12:47 PM CST.

Event 109: June 14, 2017

The EF1 tornado touched down over two miles east-northeast of Wild Rose in Waushara County around 1:49 PM CST. As the tornado moved northeast, it uprooted or snapped 100 pines trees while several houses sustained significant roof damage from fallen trees. The tornado was 100 yards wide and traveled nearly three miles before dissipating just over three miles northwest of Saxeville.

Event 110: June 14, 2017

The EF1 tornado touched down just over two and a half miles southwest of Appleton in far northeastern Winnebago County near the village of Fox Crossing around 2:28 PM CST. In Winnebago County, the tornado damaged nearly two dozen trees and uprooted several others. One house sustained roof damage by a fallen tree. The tornado then moved into Outagamie County about 1.8 miles south of Appleton at 2:29 PM CST. The tornado continued into Outagamie County as an EF0 tornado. In Outagamie County, the tornado uprooted or snapped several dozen trees, some of which fell on houses along its path across the southeast side of Appleton. Two large industrial buildings suffered damage on Appleton's east side. One building's large HVAC system was blown off its roof and another large building had several overhead doors blow in and lost portions of its roof and a wall. A self-service car wash lost its roof in Kimberly. In Little Chute, a building had an HVAC unit damaged and a couple of trees were knocked down. The tornado dissipated at 2:37 PM CST after crossing I-41 north of Kaukauna.

Event 111: June 14, 2017

The EF0 tornado touched down nearly three miles south-southwest of Mackville in Outagamie County around 2:30 PM CST. The tornado caused minor damage to a house and ripped small limbs off trees. The tornado was 50 yards wide and traveled 2.8 miles before dissipating two miles southeast of Mackville around 2:34 PM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

Event 112: June 14, 2017

The EF0 tornado touched down nearly three miles east-northeast of Bear Creek in Outagamie County around 2:31 PM CST. The tornado uprooted several trees in a saturated soil and broke off limbs to a dozen more trees. A metal barn roof was blown off and another barn collapsed. The tornado was 50 yards wide and traveled four miles before dissipating around 2:38 PM CST.

Event 113: June 14, 2017

The EF1 tornado touched down nearly two miles west of Nichols in Outagamie County (rated EF0) around 2:40 PM CST. The tornado removed some shingles and siding off a house. The tornado moved out of Outagamie County about 1.4 miles north of Nichols. The tornado strengthened into an EF1 tornado just south of Navarino. In Shawano County, a detached garage/outbuilding was swept off its foundation. Another garage/outbuilding collapsed with the walls falling outward. A stand of pines across the street had a 75 yards wide by 125 yard long area that were blown down and snapped in a convergent pattern. The tornado was 100 yards wide and traveled four miles before dissipating 1.2 west-northwest of Briarton around 2:45 PM CST.

Event 114: June 14, 2017

The EF1 tornado touched down a mile southeast of Briarton in Shawano County around 2:45 PM CST. The tornado heavily damaged a wood and sheet-metal pole barn. A mobile home was destroyed as it tumbled off its block foundation. Portions of the home were blown nearly a quarter of a mile into a nearby field and trees. Several trees along the storm's path were uprooted or snapped. The tornado was seventy-five yards wide and traveled 5.1 miles before dissipating about a mile east-southeast of Landstad around 2:51 PM CST.

Event 115: June 14, 2017

The EF1 tornado touched down nearly two miles south-southeast of Angelica in Shawano County around 2:51 PM CST. The tornado ripped off a garage door and one side of the garage collapsed inward. Another nearby garage door collapsed, and one was heavily damaged. Also, a barn's roof collapsed. Several dozen trees were uprooted due to wet soils from recent heavy rain. The tornado was 150 yards wide and traveled nearly six miles before dissipating 1.7 miles southwest of Krakow around 2:59 PM CST.

Event 116: June 14, 2017

The EF0 tornado touched down two miles northwest of Hofa Park in Shawano County around 2:53 PM CST. The tornado heavily damaged an old barn and partially tore the roof off an outbuilding. Another barn had most of its roof blown off. A nearby home had roof damage and its garage door partially collapsed inward. The tornado was 50 yards wide and traveled just over three miles before dissipating 0.7 miles northeast of Frazier around 2:55 PM CST.

Event 117: June 14, 2017

The EF0 tornado touched down about a mile southwest of Morrison in Brown County around 2:53 PM CST. The tornado caused minor tree damage. The tornado was 50 yards wide and traveled 1.2 miles before dissipating in Morrison around 2:55 PM CST.

Event 118: June 20, 2020

The brief EF0 tornado touchdown was witnessed by the Oshkosh Fire Department around 4:01 PM CST near Highway 45 near Butte des Morts. No damage was reported. The tornado was 50 yards wide and traveled a quarter of a mile before dissipating at 4:02 PM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

Event 119: June 20, 2020

A storm chaser and the public reported the EF0 tornado over Lake Butte des Morts near County S around 4:23 PM CST. The tornado traveled just over a mile and was 75 yards wide, dissipating before reaching shore around 4:27 PM CST.

Event 120: June 20, 2020

Multiple eyewitness reported the EF0 tornado over Lake Winnebago 5 to 6 miles southeast around 4:35 PM CST. The tornado was 75 yards wide and traveled nearly 3.4 miles before dissipating around 4:41 PM CST.



Event 118: EF0 near Butte des Morts
Photo by Hunter Bolssen



Event 120: EF0 over Lake Winnebago
Video / Still Image by Nate Laudolff

Event 121: June 15, 2022

The EF1 tornado formed at 4:34 PM CST near Wittenberg in western Shawano County and continued northeast before dissipating at 4:46 PM CST near Bowler. Total path length is estimated at 9.5 miles long, with a maximum width of 125 yards. The peak wind was estimated around 110 mph.

Event 122: June 15, 2022

The EF1 tornado formed at 4:41 PM CST near West Bloomfield in northeast Waushara County. The tornado continued northeast before dissipating at 4:47 PM CST. The total path length was estimated at 4.8 miles long with a maximum width of 100 yards. The peak wind was estimated to be around 95 mph.

Event 123: June 15, 2022

The EF1 tornado formed at 4:46 PM CST within the Stockbridge-Munsee Community in western Shawano County and continued northeast before dissipating at 4:47 PM CST. The total path length was estimated to be nearly six tenths of a mile long and had a maximum width of 50 yards. The peak wind was estimated to be around 95 mph.

Event 124: June 15, 2022

The EF1 tornado formed at 4:52 PM CST near Manawa in central Waupaca County. The tornado continued northeast before dissipating at 4:56 PM CST near Symco. The total path length was estimated to be 3.1 miles long with a maximum width of 120 yards. The peak wind was estimated to be around 90 mph.

TORNADO / WATERSPOUT REFERENCE GUIDE – JUNE

Event 125: June 15, 2022

The EF1 tornado formed at 5:09 PM CST near Leeman in north-central Outagamie County and then continued northeast entering Shawano County at 5:11 PM CST. The tornado dissipated near Navarino in eastern Shawano County at 5:18 PM CST. The tornado path length was estimated at 8.2 miles long with a maximum width of 80 yards. The peak wind speed was estimated at 94 mph.

Event 126: June 15, 2022

The EF0 tornado formed at 5:10 PM CST in the northeast corner of cemetery southwest of Black Creek in central Outagamie County. The tornado tracked northeast before dissipating at 5:20 PM CST a mile and a half east of Seymour. The total path length was estimated at 9.4 miles with a maximum width of 400 yards. The peak wind speed was estimated to be around 105 mph.

Event 127: June 15, 2022

The EF2 tornado formed at 5:31 PM CST in near Silver Cliff in western Marinette County and tracked northeast before dissipating at 5:35 PM CST. The total path length was estimated at 1.9 miles with a maximum width of 375 yards. The peak wind speed was estimated to be around 112 mph.

Event 128: June 15, 2022

The EF1 tornado formed at 5:34 PM CST near Middle Inlet in central Marinette County and tracked northeast before dissipating at 5:41 PM CST near Wausaukee. The total path length was estimated at 6.6 miles with a maximum width of 200 yards. The peak wind was estimated to be around 93 mph.

Event 129: June 15, 2022

The EF1 tornado formed at 5:45 PM CST near Amberg in northern Marinette County and tracked east-northeast before dissipating at 5:54 PM CST. The total path length was estimated at 8.5 miles long with a maximum width of 120 yards. The peak wind was estimated to be around 95 mph.

Event 130: June 15, 2022

The EF1 tornado formed at 6 PM CST northeast of Pembine in extreme northeastern Marinette County and tracked east-northeast before dissipating around 6:04 PM CST. The total path length was estimated to be nearly seven tenths of a mile long with a maximum width of 115 yards. The peak wind was estimated to be around 104 mph.

TORNADO / WATERSPOUT REFERENCE GUIDE – JULY

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
1	2	7	1	1956	12:05	5 E of Maplewood - 4 SE Institute	Door
2	1	7	11	1957	13:45	4 SW Denmark	Brown
3	1	7	11	1957	14:00	2.5 SE Whitelaw	Manitowoc
4	2	7	8	1959	16:54	Niagara	Marinette
5	2	7	24	1962	17:00	Corning	Lincoln
6	2	7	8	1965	17:00	1 W - 1N Sherwood	Calumet
7	1	7	10	1966	22:00	Plainfield - Wautoma	Waushara
8	0	7	25	1966	18:20	0.5 E Maplewood	Door
9	1	7	1	1967	00:45	3 E Kiel	Manitowoc
10	1	7	2	1967	14:00	Brillion	Calumet
11	2	7	22	1967	23:00-23:18	2S Loyal - 5 E Marshfield	Wood
12	0	7	2	1969	16:00	Symco	Waupaca
13	1	7	2	1969	16:20	3 SW Luxemburg - Ellisville	Kewaunee
14	2	7	7	1970	15:00	Bancroft	Portage
15	1	7	7	1970	19:00	Winchester - Boulder Junction - Conover	Vilas
16	1	7	14	1970	12:30	Marion	Waupaca
17	1	7	14	1970	14:00	McAllister	Marinette
18	1	7	30	1970	12:05	4 W Suamico	Brown
19	1	7	8	1971	02:00	Wisconsin Rapids	Wood
20	0	7	30	1971	07:00	4 E Oshkosh (waterspout)	Winnebago
21	1	7	12	1973	03:00	Boulder Junction - Sayner	Vilas
22	1	7	12	1973	07:30	Jacksonport	Door
23	1	7	12	1973	08:00	4 W Freedom	Outagamie
24	1	7	30	1977	22:45	0.5 N Forest Junction - 3 W Denmark	Brown
25	1	7	5	1980	00:30	Valders	Manitowoc
26	1	7	15	1982	19:15	Mayflower Lake	Marathon
27	1	7	3	1983	04:39	Eagle River	Vilas
28	2	7	3	1983	17:35	6 W Unity - Cherokee	Marathon
29	1	7	3	1983	19:00	Birnamwood	Shawano
30	0	7	3	1983	19:11	5 NE Nekoosa	Wood
31	1	7	19	1983	19:25	Stockbridge Harbor	Calumet
32	0	7	14	1984	20:35	1 SE Peshtigo	Marinette
33	0	7	26	1984	13:00-13:10	5 E Oshkosh (waterspout)	Winnebago
34	0	7	4	1985	17:03-17:17	1 N Redgranite - 1 SW Pine River	Waushara
35	3	7	4	1986	19:00-19:25	2 S Niagara - Carney/Nadeau, MI	Marinette
36	2	7	4	1986	19:35-19:40	5 SE Hazelhurst	Oneida
37	1	7	24	1986	14:15	Saint Germain	Vilas
38	1	7	2	1987	17:10-17:15	Pike Lake	Marathon
39	1	7	12	1987	11:27-11:30	1 S Francis Creek	Manitowoc
40	1	7	29	1988	20:30	Eagle River	Vilas
41	0	7	28	1991	10:15	** Near Rock Island	Door

TORNADO / WATERSPOUT REFERENCE GUIDE – JULY

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
42	0	7	28	1991	10:15	Near Washington Island (waterspout)	Door
43	1	7	19	1992	15:54	2 WSW Stratford	Marathon
44	0	7	4	1994	16:49	4 W Fremont	Waupaca
45	4	7	5	1994	15:43-15:55	2.5 NW Maribel - 0.5 W Cooperstown	Manitowoc
46	2	7	5	1994	15:53	2 SW Cooperstown	Manitowoc
47	1	7	8	1994	14:00	3 NW Elderon	Marathon
48	1	7	8	1994	14:16	3 SE Aniwa	Shawano
49	1	7	14	1995	16:40-16:47	Phelps	Vilas
50	1	7	18	1996	16:20-16:30	1.5 SW - 3 SSE Tomahawk	Lincoln
51	0	7	18	1996	17:45	5 NE Oshkosh (waterspout)	Winnebago
52	1	7	18	1996	18:05-18:07	1.1 S - 1.6 SE Jericho	Calumet
53	0	7	18	1996	18:10	5.9 S Chilton	Calumet
54	0	7	18	1996	18:15-18:16	2.2 WNW - 1.8 W St Anna	Calumet
55	2	7	16	1997	14:38-14:40	11.5 ESE - 12 SE Merrill	Lincoln
56	2	7	16	1997	14:40-14:45	8.5 NNE - 6.9 NE Nutterville	Marathon
57	0	7	16	1997	15:00-15:01	4 SW - 4.2 SW Hogarty	Marathon
58	0	7	16	1997	15:00	3 N Sunset	Marathon
59	1	7	16	1997	15:09-15:11	2 NE - 1.8 NE Ringle	Marathon
60	0	7	16	1997	15:20-15:22	2 N - 1.8 N Elderon	Marathon
61	0	7	16	1997	16:41-16:42	Hancock	Waushara
62	0	7	13	2000	14:55	1.5 NE Forestville	Door
63	0	7	20	2000	12:58	2 W Sister Bay (waterspout)	Door
64	0	7	27	2000	19:07-19:10	1.5 W - 1.1 WSW Harmony	Marinette
65	0	7	27	2000	19:30	1.7 W Peshtigo	Marinette
66	0	7	30	2002	17:47-17:50	10.5- 9.5 NW Merrill	Lincoln
67	0	7	30	2002	18:08-18:28	5 N - 9.5 NE Merrill	Lincoln
68	0	7	30	2002	18:22	3 W - 0.8 W Central Wisconsin Airport	Marathon
69	0	7	30	2002	18:25	8.5 NE Merrill	Lincoln
70	0	7	11	2004	14:42-14:45	8 SW Harshaw	Oneida
71	0	7	11	2004	15:43	1 W Goodnow	Oneida
72	0	7	11	2004	15:45	Irma	Lincoln
73	0	7	11	2004	16:13	6 W Tomahawk	Lincoln
74	0	7	11	2004	16:13	6 W Tomahawk	Lincoln
75	0	7	11	2004	16:40	4 W Tomahawk	Lincoln
76	1	7	13	2004	14:40-14:52	1.4 NW Clark Mills - 2.8 SE Clark Mills	Manitowoc
77	1	7	19	2008	21:44-21:45	3.8 WNW - 3.4 WNW Menasha	Winnebago
78	0	7	29	2008	15:27	3.6 NW Granite Heights	Marathon
79	0	7	29	2008	15:59-16:00	6.3 NNW Kalinke	Marathon
80	0	7	29	2008	17:44-17:49	4.2 SE Nasonville - 4.7 WNW Bethel	Wood
81	0	7	14	2010	16:18-16:19	2.5 WSW Veedum - 2.2 WSW Veedum	Wood
82	0	7	9	2013	13:59-14:04	0.5 NE Schultz - 3.9 W Bloomville	Lincoln

TORNADO / WATERSPOUT REFERENCE GUIDE – JULY

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
83	0	7	9	2013	14:32-14:56	10.8 S Parrish - 3.1 W Deerbrook	Langlade
84	0	7	9	2013	16:44-16:45	4.2 S Bancroft	Portage
85	0	7	9	2013	18:50-18:54	4.4 NNE Oconto - 5.2 NNE Oconto	Oconto
86	0	7	27	2014	18:05	3.5 SE Oshkosh Wittman Field (waterspout)	Winnebago
87	1	7	6	2015	15:38-15:40	3.4 W Marion - 2.7 W Marion	Waupaca
88	0	7	6	2015	16:03-16:04	1.1 E Pella Airport	Waupaca
89	1	7	6	2015	16:56-17:03	2.2 ENE Gillette - 2.6 SSW Kelly Brook	Oconto
90	0	7	12	2017	19:30-19:32	2.2 S Custer - 2.3 NNE Arnott	Portage
91	0	7	20	2018	11:55-11:56	1.4 NW Silver Lake	Waushara
92	0	7	16	2019	16:35-16:36	3.2 NNE Hancock - 3.1 NNE Hancock	Waushara
93	0	7	19	2019	17:47-18:00	7.5 NNW Spirit Falls - 6.8 NW Tomahawk	Lincoln
94	0	7	19	2019	18:49-18:58	5.5 SW Lake George - 2.4 NW Enterprise	Oneida
95	1	7	19	2019	19:20-19:30	1.5 SSW Moon - 3.9 ENE Knowlton	Marathon
96	1	7	20	2019	09:55-10:03	1.4 SSE Waupaca - 2.1 ESE White Lake	Waupaca
97	0	7	20	2019	10:00-10:02	0.6 SSW Weyauwega - 1.1 E Weyauwega	Waupaca
98	0	7	20	2019	10:09-10:20	1.8 SSW New London - 2.9 SW Shiocton	Outagamie, Waupaca
99	1	7	20	2019	10:18-10:22	2.6 E Hortonville - 3.3 ESE Stephenville	Outagamie
100	0	7	20	2019	10:22-10:23	1.9 NE Greenville - 2.6 NE Greenville	Outagamie
101	0	7	20	2019	10:36-10:38	3.2 ENE Little Chute - 4.3 ENE Little Chute	Outagamie
102	1	7	28	2021	19:39-19:44	4.8 SE Merrill - 2.8 NE Granite Heights	Lincoln, Marathon
103	0	7	28	2021	20:18-20:19	0.4 - 0.6 SSE Peplin	Marathon
104	0	7	28	2021	22:06-22:08	1.9 W - 1.8 WSW Borth	Waushara
105	0	7	27	2023	18:22-18:26	18.0 WSW - 17.0 WSW Long Lake	Florence

TORNADO / WATERSPOUT REFERENCE GUIDE – JULY

Event 1: July 1, 1956

The F2 tornado developed 5 miles east of Maplewood in Door County and traveled 11 miles to four miles southeast of Institute around 12:05 PM CST. The tornado had a maximum width of 50 yards.

Event 2: July 11, 1957

The F1 tornado touched down 4 miles southwest of Denmark in Brown County around 1:45 PM CST. There was no documentation on the path width or distance traveled. A tornado also touched down in Manitowoc County fifteen minutes later.

Event 3: July 11, 1957

The F1 tornado was first reported to touch down two and a half miles southeast of White Law in Manitowoc County around 2 PM CST. The tornado struck the Bernard Vogel farm, picking up 9 trees thirty feet high and pounded them into the ground. The tornado also broke windows and gouged the side of the house. A female neighbor of Bernard Vogel, who was seeking shelter, was pinned up to the wall of a silo as she was running towards the house.

Event 4: July 8, 1959

The F2 tornado touched down in Niagara in Marinette County around 4:54 PM CST. The tornado traveled approximately one mile and had a maximum width of 50 yards. The tornado downed trees, flattened a garage, tore the roof off a house, bounced an automobile off a house, and hit a tavern. There were three injuries when the twister picked up their trailer home and dumped it 100 feet away.

Event 5: July 24, 1962

The F2 tornado touched down briefly in the town of Corning in Lincoln County around 5 PM CST. The tornado traveled about a mile and had a maximum width of 50 yards. The tornado destroyed a barn and other buildings in the town of Corning.

Event 6: July 8, 1965

The F2 tornado touched down one mile west of Sherwood in Calumet County and traveled approximately 3 miles to the northeast before dissipating one mile north of Sherwood around 5 PM CST. The tornado was 100 yards wide. The twister, striking in a narrow path northeast from High Cliff Park broke trees, power and telephone poles, and leveled a barn at the farm of Mrs. Anna Goaz at Route 1 in Menasha. Several other farm properties were damaged. Two teenage girls received multiple cuts and bruises when they were picked up by the twister and thrown down on a road in the High Cliff Beach area.

Event 7: July 10, 1966

The F1 tornado was first reported to touch down in Plainfield in Waushara County around 10 PM CST. The tornado was 100 yards wide and traveled approximately fifteen and a half miles before dissipating at Wautoma.

Event 8: July 25, 1966:

The F0 tornado touched down about a half mile east of Maplewood in Door County around 6:20 PM CST. The tornado was 20 yards wide and traveled approximately two miles. An interesting note to the local storm report from July 1966 indicated a strong waterspout was noted over the Bay of Green Bay. According to the local storm report, a waterspout lifted several boats out of the water dropping one on a car at Ephraim. It also dropped twelve large trees down at Gordon Lodge. This tornado/waterspout was not documented in this study.

Event 9: July 1, 1967

The F1 tornado struck 3 miles east of Kiel in Manitowoc County around 12:45 AM CST. The tornado was 50 yards wide and traveled a half mile before dissipating.

TORNADO / WATERSPOUT REFERENCE GUIDE – JULY

Event 10: July 2, 1967

The city of Brillion in Calumet County was struck by the F1 tornado around 2 PM CST. The local storm report indicated a touchdown in the city of Brillion. The tornado was 35 yards wide and traveled a mile before dissipating.

Event 11: July 22, 1967

The F2 tornado developed around 11 PM CST near Loyal in Clark County. The tornado then moved east southeast into Wood County. The tornado traveled nearly 21 miles before dissipating five miles east of Marshfield around 11:18 PM CST. The maximum width of the tornado was 100 yards. The tornado destroyed three barns and killed sixteen cattle near Loyal in Clark County. Several buildings and mobile homes were destroyed at Marshfield in Wood County.

Event 12: July 2, 1969

The F0 tornado touched down in Symco in Waupaca County around 4 PM CST. The tornado was 100 yards wide and traveled 4.3 miles before dissipating. The tornado produced extensive damage to buildings on the Howard Winter farm between Manawa and Big Falls. Utility wires were also damaged along Highway 22 near Symco.

Event 13: July 2, 1969

The F1 tornado traveled just over 7 miles across Kewaunee County, from 3 miles southwest of Luxemburg through the Ellisville area around 4:20 PM CST. The tornado had a maximum width of 100 yards. Several farms were damaged by the tornado.

Event 14: July 7, 1970

The F2 tornado touched down in Bancroft in Portage County around 3 PM CST. The tornado moved east southeast for two miles and reached a maximum width of a hundred yards before dissipating. Damage was confined to a machine shed and tore the roof off a new school.

Event 15: July 7, 1970

The F1 tornado developed across Iron County in northwest Wisconsin. The tornado traveled east southeastward for nearly 38 miles across Vilas County around 7 PM CST. The tornado traveled from Winchester to Boulder Junction to Conover. Extensive damage to woods and lake property were noted in the path of the tornado.

Event 16: July 14, 1970

The F1 tornado briefly touched down in Marion in Waupaca County around 12:30 PM CST. The tornado was less than 50 yards wide and traveled approximately a half mile. The tornado ripped a door off a factory, flipping over a car and damaging trucks and signs in Marion.

Event 17: July 14, 1970

The F1 tornado was reported in Mc Allister in Marinette County around 2 PM CST. The tornado was less than 50 yards wide and traveled a mile. The tornado damaged a home and uprooted several trees.

Event 18: July 30, 1970

The brief EF1 tornado touchdown occurred 4 miles west of Suamico in Brown County. The tornado was less than 50 yards wide and traveled a mile before dissipating. According to the local storm report, the tornado struck in open country.

Event 19: July 8, 1971

The F1 tornado moved through open country just north of Wisconsin Rapids in Wood County around 2 AM CST. The tornado was 75 yards wide and traveled about two miles before it dissipated. One house trailer moved off its foundation while there was damage to trees in the area.

TORNADO / WATERSPOUT REFERENCE GUIDE – JULY

Event 20: July 30, 1971

Numerous F0 waterspouts were reported about 4 miles east of Oshkosh in Winnebago County around 7 AM CST. The waterspouts formed east of Oshkosh as cold air with large cyclonic vorticity moved over the warm lake according to the monthly storm report.

Event 21: July 12, 1973

The F1 tornado was struck touchdown just south of Boulder Junction in Vilas County around 3 AM CST. The tornado was 100 yards wide and traveled 19.5 miles before dissipating near Sayner in Vilas County. Scattered damage to the woods was reported along the path of the tornado.

Event 22: July 12, 1973

The F1 tornado touched down in Jacksonport in Door County around 7:30 AM CST. The tornado was 100 yards wide and traveled 3 miles. Scattered damage was reported west and south of Jacksonport. As many as six waterspouts were reported by one observer off Jacksonport. A seiche caused a drop of two feet in water level locally about fifteen minutes after passage of the storms.

Event 23: July 12, 1973

The F1 tornado developed 4 miles west of Freedom in Outagamie County around 8 AM CST. The tornado was 100 yards wide and traveled one mile. Farm buildings were destroyed on the Ken Geiger farm 4 miles west of Freedom.

Event 24: July 30, 1977

The F1 tornado initially developed a half mile west of Forest Junction in Brown County around 10:45 PM CST, destroying a rural farm including a large barn, milk house and several small sheds. The tornado was 100 yards and traveled twelve miles before dissipating in Denmark. In Denmark, a roof of an apartment building was blown off, a couple of garages were destroyed, and some farm machinery was toppled.

Event 25: July 5, 1980

The F1 tornado struck the farm of Warren Otto just south of Valders in Manitowoc County around 12:30 AM CST. There was no documentation on path length or width of the tornado. The tornado destroyed a barn and machine shed, and farm machinery on the Warren Otto farm. Other farm buildings in the area also sustained minor damage.

Event 26: July 15, 1982

The F1 tornado swept southeast from May Flower Lake into rural areas at the south end of the lake in Marathon County around 7:15 PM CST. The tornado was 50 yards wide and traveled three quarters of a mile. Several trees were downed and one residence was damaged.

Event 27: July 3, 1983

The Eagle River Municipal Airport in Vilas County was hit by the F1 tornado at 4:39 AM CST. The tornado was 20 yards wide and traveled a half mile before dissipating. Two single engine planes were destroyed, and thirteen others were damaged. Five eighths inch ropes holding the planes down were shredded. One plane cart-wheeled four hundred feet.

Event 28: July 3, 1983

The F2 tornado was first spotted near a home 6 miles west of Unity in Clark County around 5:35 PM CST. The tornado skipped across Clark County, skirting just north of Unity and crossed Highway 13 into Marathon County. In Marathon County, the tornado struck a farm just east of Highway 13, flipping a truck and camper as well as ripping a shed off its foundation. The tornado then struck a farm one mile east of Colby and just south of Highway N destroying many trees. The next farm to the east was struck and two hay wagons were flipped over, and a chimney was knocked off. The tornado hit a farm three miles east of Colby and one mile south of Highway N. A large barn was pushed off its foundation. The tornado moved across Highway F just south of Cherokee, and into an 18 acre-wooded lot destroying fifty large trees. Finally, a farm just east of Cherokee and south of Highway N took off the top of a silo. There were no further reports to the east. The tornado traveled approximately 6 miles and had a maximum width of fifty-five yards.

TORNADO / WATERSPOUT REFERENCE GUIDE – JULY

Event 29: July 3, 1983

The F1 tornado touched down in Birnamwood in Shawano County around 7 PM CST. The tornado was 50 yards wide and traveled a half mile.

Event 30: July 3, 1983:

The F0 tornado briefly touched down 5 miles northeast of Nekoosa in Wood County around 7:11 PM CST. The tornado was approximately 10 yards wide and traveled three tenths of a mile before dissipating.

Event 31: July 19, 1983

The F1 tornado touched down at Stockbridge Harbor in Calumet County around 7:25 PM CST. The tornado smashed a shed roof and damaged two homes near Lake Shore Drive. The tornado turned east southeast damaging two garages, one barn on Military Road, and then Hickory Hill Road where the roof of a mobile home was destroyed. The tornado was 100 yards wide and traveled 2 miles before dissipating.

Event 32: July 14, 1984

The F0 tornado touched down near County trunks BB and B one mile southeast of Peshtigo in Marinette County around 8:35 PM CST. The tornado was 25 yards wide and traveled only a tenth of a mile. Numerous trees and power lines were downed and there was minor damage to a home.

Event 33: July 26, 1984

The F0 waterspout was noted 5 miles east of Oshkosh on Lake Winnebago in Winnebago County between 1 PM and 1:10 PM CST.

Event 34: July 4, 1985:

The F0 tornado touched down one mile north of Redgranite in Waushara County around 5:03 PM CST. The tornado was 50 yards wide and skipped along for 5 miles before dissipating one mile southwest of Pine River around 5:17 PM CST. The tornado damaged a house one mile southwest of Pine River. The storm also produced hail up to three and a half inches in the Richford and Hancock areas. The large hail dented 47 new cars at a dealership in Coloma.

Event 35: July 4, 1986

The F3 tornado touched down 2 miles south of Niagara in Marinette County at Highway 8 and Highway 141 around 7 PM CST. The tornado demolished a building next to a restaurant and slashed some trees. The tornado then skipped east-southeast and destroyed a home and garage, carrying its roof a half mile away. The tornado crossed the Menominee River and into the Carney-Nadeau area of Menominee County, Michigan around 7:25 PM CST. The tornado traveled 8 miles and was 100 yards wide.

Event 36: July 4, 1986

The F2 tornado touched down on the south shore of Windpudding Lake or 5 miles southeast of Hazelhurst in Oneida County around 7:35 PM CST. The tornado heavily damaged seven cottages and leveled numerous trees. A shed was blown thirty feet through the air. A dog inside the shed survived. The tornado traveled a mile and a half and reached a maximum width of 100 yards before it dissipated around 7:40 PM CST.

Event 37: July 24, 1986

The F1 tornado briefly touched down around 2:15 PM CST on South Shore Drive near Little St. Germain Lake near St. Germain in Vilas County. The tornado was 50 yards wide and traveled a quarter of a mile. Five buildings, some garages, some boats and docks were damaged. A dozen trees were snapped off at the base.

TORNADO / WATERSPOUT REFERENCE GUIDE – JULY

Event 38: July 2, 1987

The brief F1 tornado touched down just east of Pike Lake in Marathon County around 5:10 PM CST. The tornado was 75 yards wide and traveled two tenths of a mile before dissipating around 5:15 PM CST. Numerous trees were twisted and knocked down causing damage to seven homes, a boat trailer and one boat foundation.

Event 39: July 12, 1987

The F1 tornado touched down one mile south of Francis Creek in Manitowoc County around 11:27 AM CST. The tornado was 75 yards wide and traveled two tenths of a mile before dissipating around 11:30 AM CST. One house and a garage were destroyed. One barn, a shed and several trees were also damaged. Debris from the house was found as far as several miles away.

Event 40: July 29, 1988

The brief F1 tornado touched down in the Eagle River in Vilas County around 8:30 PM CST. The tornado was 50 yards wide and only traveled a tenth of a mile. The tornado damaged the Northland Pines High School in Eagle River. Winds accompanying the storm downed signs and trees in the Eagle River area.

Event 41: July 28, 1991

The F0 waterspout was reported near Rock Island across extreme northern Door County at 10:15 AM CST. A second waterspout was reported near Washington Island.

Event 42: July 28, 1991

The F0 waterspout was reported near Washington Island across extreme northern Door County around 10:15 AM CST. A second waterspout was reported near Rock Island around the same time.

Event 43: July 19, 1992

The F1 tornado formed 2 miles west southwest of Stratford in Marathon County around 3:54 PM CST. The tornado was 400 yards wide and was on the ground for only a quarter of a mile. The damage from the tornado included: a destroyed barn, two houses and one garage damaged while several trees were downed.

Event 44: July 4, 1994

The F0 tornado touched down 4 miles west of Fremont in Waupaca County around 4:49 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado did not produce any significant damage.

Event 45: July 5, 1994

A powerful F4 tornado cut a short but devastating path in northern Manitowoc County from two and a half miles northwest of Maribel around 3:43 PM CST to a half mile west of Cooperstown before dissipating around 3:55 PM CST. A second small tornado also developed two miles southwest of Cooperstown and carved out a minor damage path leveling a shed and tossing a grain box 300 yards. Much of the \$2.1 million in damages was inflicted by the first tornado. The tornado damaged 26 homes, 19 vehicles and one mobile home. Four heifers and two sheep were also killed. One man was injured when he was struck by a 55 gallon-drum while a woman suffered minor injuries when pieces of a stone foundation fell on her. The tornado traveled three and a half miles and reached 150 yards in diameter.

Event 46: July 5, 1994

The F2 tornado touched down 2 miles southwest of Cooperstown in Manitowoc County around 3:53 PM CST. The tornado traveled about a mile and reached a maximum width of 150 yards. A shed was leveled, and a grain box was tossed about 300 yards. This was one of two tornadoes to hit Manitowoc County on this date. A stronger EF4 tornado touched down two and a half miles northwest of Maribel and traveled to a half mile west of Cooperstown between 3:43 PM and 3:55 PM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – JULY

Event 47: July 8, 1994

The F1 tornado touched 3 miles northwest of Elderon in Marathon County around 2 PM CST. The tornado was 75 yards wide and only traveled two tenths of a mile. The tornado moved a garage off its foundation and wrecked a house roof and shed three miles northwest of Elderon.

Event 48: July 8, 1994

The F1 tornado formed three miles southeast of Aniwa in Shawano County around 2:16 PM CST. The tornado was 75 yards wide. The tornado only traveled two tenths of a mile. The tornado destroyed a garage and toppled trees three miles southeast of Aniwa.

Event 49: July 14, 1995

The F1 tornado touched down a mile and a half southwest of Phelps in Vilas County around 4:40 PM CST. The tornado was 250 yards wide and traveled east for three and a half miles before dissipating just southeast of Phelps at 4:47 PM CST. Trees fell on cars, homes, and businesses.

Event 50: July 18, 1996

The F1 tornado touched down a mile and a half southwest of Tomahawk at 4:20 PM CST. The tornado uprooted two trees at Bradley Park, then moved southeast across Lake Mohawkskin, flipping two boats over. The tornado moved back on land and tore part of a roof off a tavern while a garage was removed from its foundation. It continued to move into the Road Lake area where it produced its most significant damage. Three cottages were damaged after trees fell on them. The tornado reached a maximum width of 100 yards before it dissipated nearly three miles southeast of Tomahawk around 4:30 PM CST.

Event 51: July 18, 1996

The F0 waterspout was spotted 5 miles east of Oshkosh over Lake Winnebago in Winnebago County around 5:45 PM CST.

Event 52: July 18, 1996

The F1 tornado touched down 1.1 miles south of Jericho in Calumet County around 6:05 PM CST. The tornado was 100 yards wide and was on the ground a mile and a half before it dissipated 1.6 miles southeast of Jericho at 6:07 PM CST.

Event 53: July 18, 1996

The F0 developed 5.9 miles south of Chilton in Calumet County around 6:10 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado moved over a squad car, violently shaking it about. The tornado flattened portions of two nearby wheat fields.

Event 54: July 18, 1996

The F0 tornado developed 2.2 miles west northwest of St. Anna in Calumet County around 6:15 PM CST. The tornado was 50 yards wide and traveled a half mile before dissipating 1.8 miles west of St. Anna around 6:16 PM CST. The tornado damaged one farm, numerous trees and some crops. Calf houses at the farm were thrown 1,000 feet. The tornado entered Fond Du Lac County 1.6 miles southeast of Jericho and then reentered Calumet County 2.2 west north of St. Anna.

Event 55: July 16, 1997

The F2 tornado touched down in southeast Lincoln County eleven and a half miles southeast of Merrill around 2:38 PM CST. The storm traveled under a mile to the southeast into Marathon County before dissipating 12 miles southeast of Merrill around 2:40 PM CST. The tornado reached a maximum width of 100 yards. As the storms rolled through Lincoln County, softball size hail was reported northeast of Merrill.

TORNADO / WATERSPOUT REFERENCE GUIDE – JULY

Event 56: July 16, 1997

The F2 tornado touched down eight and a half miles northeast of Nutterville in Marathon County around 2:40 PM CST. The storm traveled just over three miles and reached a maximum width of 100 yards before dissipating 6.9 miles northeast of Nutterville around 2:45 PM CST. The tornado damaged several homes, vehicles, silos, and destroyed numerous barns, sheds, and crops. Twenty head of dairy cattle were killed or had to be destroyed. There were two other tornadoes with this tornadic supercell. Total damage to crops and property from the five tornadoes, hail and straight-line winds in Marathon County alone topped \$10 million.

Event 57: July 16, 1997

The F0 tornado developed 4 miles southwest of Hogarty in Marathon County around 3 PM CST. The tornado was 75 yards wide and traveled two tenths of a mile before dissipating 4.2 miles southwest of Hogarty around 3:01 PM CST.

Event 58: July 16, 1997

The EF0 tornado touched down 3 miles north of Sunset in Marathon County around 3 PM CST. The tornado was 15 yards wide and was on the ground for a tenth of a mile before dissipating at 3:01 PM CST.

Event 59: July 16, 1997

The F1 tornado briefly touched down two miles northeast of Ringle in Marathon County around 3:09 PM CST. The tornado was 50 yards wide and only traveled two tenths of a mile before dissipating 1.8 miles northeast of Ringle around 3:11 PM CST.

Event 60: July 16, 1997

The F0 tornado touched down 2 miles north of Elderon in Marathon County around 3:20 PM CST. The tornado was 75 yards wide and traveled two tenths of a mile before dissipating 1.8 miles north of Elderon around 3:22 PM CST.

Event 61: July 16, 1997

The F0 tornado touched down in Hancock in Waushara County at 4:41 PM CST. The tornado was 10 yards wide and traveled a tenth of a mile before dissipating at 4:42 PM CST. The tornado touched down in an open field in Hancock.

Event 62: July 13, 2000

The F0 tornado touched down 1.5 miles northeast of Forestville in Door County at 2:55 PM CST. The tornado was 50 yards wide and was on the ground for a tenth of a mile. The monthly local storm report did not indicate any damage.

Event 63: July 20, 2000:

Boaters spotted the F0 waterspout two miles west of Sister Bay in Door County at 12:58 PM CST.

Event 64: July 27, 2000

The F0 tornado first touched down 1.5 miles west of Harmony in Marinette County at 7:07 PM CST. The tornado was 50 yards wide and was on the ground for four tenths of a mile before it dissipated 1.1 miles west southwest of Harmony at 7:10 PM CST. Another EF0 tornado occurred at 7:30 PM CST 1.7 miles west of Peshtigo. The first tornado report was received even before the storm became visible on radar.

Event 65: July 27, 2000

The brief F0 tornado touched down 1.7 miles west of Peshtigo in Marinette County at 7:30 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile.

TORNADO / WATERSPOUT REFERENCE GUIDE – JULY

Event 66: July 30, 2002

The F0 tornado touched down ten and a half miles west of Merrill in Lincoln County around 5:47 PM CST. The tornado was 150 yards wide and skipped along the ground for 1.2 miles before dissipating nine and a half miles west of Merrill around 5:50 PM CST.

Event 67: July 30, 2002

The F0 tornado developed 5 miles north of Merrill in Lincoln County at 6:08 PM CST. The tornado was 200 yards wide and traveled on the ground for 9 miles before dissipating nine and a half miles northeast of Merrill at 6:28 PM CST. The tornado destroyed a barn and another structure, tearing roofs from some buildings and moving others from their foundation.

Event 68: July 30, 2002

The F0 tornado developed 3 miles west of the Central Wisconsin Airport in Marathon County at 6:22 PM CST. The tornado was 100 yards wide and traveled just over 2 miles on the ground before dissipating eight tenths of a mile west of the Central Wisconsin Airport at 6:28 PM CST. The tornado caused significant tree damage on a hill east of the Wisconsin River.

Event 69: July 30, 2002

The F0 tornado formed 8.5 miles northeast of Merrill in Lincoln County at 6:25 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado demolished a mobile home and snapped trees and tree limbs.

Event 70: July 11, 2004

The brief F0 tornado touched down 8 miles southwest of Harshaw in Oneida County at 2:42 PM CST. The tornado was 60 yards wide and was on the ground for two tenths of a mile before dissipating at 2:45 PM CST. The tornado topped numerous trees onto power lines and damaged a pontoon boat.

Event 71: July 11, 2004

The brief F0 tornado touched down one mile west of Goodnow in Oneida County at 3:43 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile.

Event 72: July 11, 2004

The brief F0 tornado touched down in Irma in Lincoln County at 3:45 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile.

Event 73: July 11, 2004

The brief F0 tornado touched down 6 miles west of Tomahawk in Lincoln County at 4:13 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile. A pair of tornadoes touched down simultaneously west of the Tomahawk Airport.

Event 74: July 11, 2004

The brief F0 tornado touched down 6 miles west of Tomahawk in Lincoln County at 4:13 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile. A pair of tornadoes touched down simultaneously west of the Tomahawk Airport.

Event 75: July 11, 2004

The brief F0 tornado touched down 4 miles west of Tomahawk in Lincoln County at 4:40 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile.

TORNADO / WATERSPOUT REFERENCE GUIDE – JULY

Event 76: July 13, 2004

The F1 tornado touched down 1.4 miles northwest of Clark Mills in Manitowoc County around 2:40 PM CST. The tornado was 500 yards wide and traveled just over four miles before dissipating 2.8 miles southeast of Clark Mills around 2:52 PM CST. The tornado caused extensive damage to two farms. The tornado destroyed two garages, two barns, two milking parlors and three silos. The tornado also destroyed 45 calf hutches and about 80 acres of alfalfa. The tornado snapped and uprooted trees and carried a calf about a half a mile away where it was found still alive.

Event 77: July 19, 2008

The brief EF1 tornado touched down 3.8 miles west northwest of Menasha in Winnebago County around 10:44 PM CST. The tornado was 40 yards wide and traveled a half a mile before it dissipated 3.4 miles west northwest of Menasha at 10:45 PM CST. The tornado produced sporadic damage along a narrow path almost a half a mile long. An apartment complex sustained the heaviest damage. Four buildings were affected, two of which lost parts of their roofs.

Event 78: July 29, 2008

The EF0 tornado briefly touched down 3.6 miles northwest of Granite Heights in Marathon County at 3:27 PM CST. The tornado was 15 yards wide and traveled a tenth of a mile. Law enforcement witnessed the brief tornado touchdown north of Brokaw near the Lincoln County border. No damage was reported.

Event 79: July 29, 2008

The EF0 tornado briefly touched down 6.2 miles north northwest of Kalinke in Marathon County at 3:59 PM CST. The tornado was 25 yards wide and traveled a quarter of a mile before dissipating at 4 PM CST. The tornado touched down just south of County Line Road near County Road Q. Several trees in an open field were knocked over.

Event 80: July 29, 2008

The EF0 tornado touched down 4.2 miles southeast of Nasonville in Wood County at 5:44 PM CST. The tornado was 25 yards wide and traveled a mile and a half before dissipating 4.7 miles west of Bethel at 5:49 PM CST. The tornado touched down north of Pittsville, tearing leaves and twigs from tops of trees. The tornado was seen by a county sheriff.

Event 81: July 14, 2010

The EF0 tornado touched down 2.5 miles west southwest of Veedum in Wood County at 4:18 PM CST. The tornado traveled a quarter of a mile and was 50 yards wide before it dissipated 2.2 miles west southwest of Veedum. The brief tornado was reported by the public and confirmed by local emergency management about 5 miles west of Pittsville. A dozen trees were knocked down and several large tree limbs fell onto a house. Wind speed estimated at 80 mph.

Event 82: July 9, 2013

An EF0 tornado touched down 0.5 miles NE of Schultz, or about six miles south of Irma in Lincoln County at 1:59 PM CST. The tornado moved east for about 4.1 miles and was 100 yards wide (average width was 75 yards). A few trees and power lines were knocked down. The tornado dissipated 3.9 miles west of Bloomville at 2:04 PM CST.

Event 83: July 9, 2013

The EF0 tornado touched down 10.8 miles south of Parrish in Langlade County (near the Lincoln / Langlade County line) around 2:32 PM CST. The tornado traveled east for about nine and a half miles, although the tornado track was not continuous. The maximum width of the tornado was 100 yards, with an average width of 75 yards. The tornado damage was to trees and tree limbs. The tornado dissipated 3.1 miles west of Deerbrook at 2:56 PM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – JULY

Event 84: July 9, 2013

The EF0 tornado touched down 4.2 miles south of Bancroft in Portage County around 4:44 PM CST in an open field just west of Interstate 39. The tornado was observed by a storm spotter and did no damage. The maximum width was 25 yards and traveled less than two tenths of a mile before dissipating at 4:45 PM CST.

Event 85: July 9, 2013

The EF0 tornado touched down about four and a half miles north northeast of Oconto in Oconto County at 6:40 PM CST. The tornado was observed by an eyewitness just east of Highway 41 near Swede Town Road and County Road A. The tornado moved east for about a mile and half toward the bay before dissipating at 6:54 PM CST. Dozens of trees were snapped and uprooted, and also blew over a recreational vehicle trailer along its path. The maximum width of the tornado was one hundred yards with an average width of seventy-five yards.

Event 86: July 27, 2014

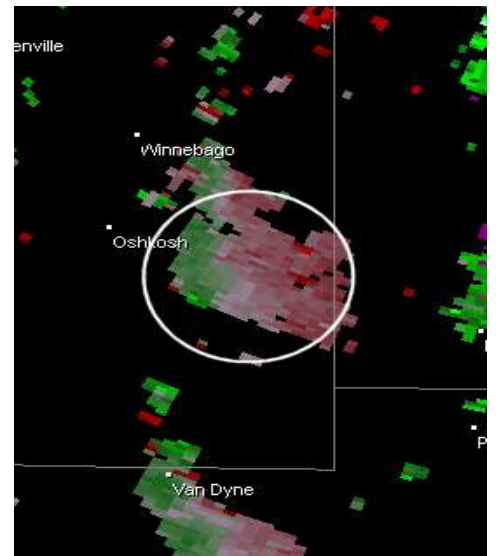
A very weak and brief EF0 waterspout formed under a rain shower over southern Lake Winnebago, about 5 miles southeast of Oshkosh around 6:05 PM CST. The waterspout (photo below) was on the water for a just a few seconds and then dissipated. The parent funnel was seen by hundreds of people across the area. No damage occurred.



Photograph submitted to NWS.



Radar image: Green Bay radar.



Velocity image: Green Bay radar.

TORNADO / WATERSPOUT REFERENCE GUIDE – JULY

Event 87: July 6, 2015

The EF0 tornado touched down at 2:31 PM CST 3.4 miles west of Marion (see map next page) in Waupaca County. The tornado traveled three quarters of a mile and had a maximum width of 75 yards wide before dissipating 2.7 miles west of Marion at 2:40 PM CST. The tornado heavily damaged a barn and adjacent garage. The roof of a nearby house was damaged and winds of another home were broken. At least two dozen trees were uprooted or snapped. The average path width was 50 yards.

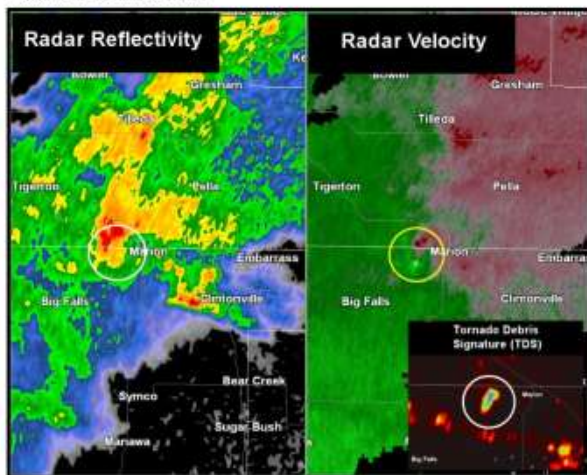
This was one of three tornadoes that touched down in northeast Wisconsin on this date. What was unusual about this event was there was no thunder noted with the tornadoes (very rare!). The radar image shows in the intense rotation west of Marion.



Preliminary Tornado Map (above). Red triangles denote approximate location of brief tornado touchdowns. Inset above denotes the location of the EF1 tornado west of Marion, Wisconsin.

Tornado	Begin	End	Path
Marion EF1	4:38 PM, 3 W Marion	4:40 PM, 2.6 W Marion	Length: 0.4 mi Width: 75 yards
Pella EF0	5:00 PM, 2 E Pella	5:03 PM, 2 E Pella	Length: 0.3 mi Width: 25 yards
Gillet EF1	5:56 PM, 2 E Gillet	6:03 PM, 3 ENE Gillet	Length: 2.2 mi Width: 50 yards

The first tornado developed just ahead of the main line of showers over northern Waupaca County. The storm quickly attained supercell characteristics and generated a brief EF1 tornado about three miles west of Marion in extreme northern Waupaca County (see map inset above and radar images below).



Radar reflectivity (above left) and radar velocity (above right) around time of the EF1 tornado west of Marion. Inset in the above image is the dual polarization correlation coefficient (CC) product denoting the location of debris produced by the tornado.

Here are some damage photos from the Marion tornado:

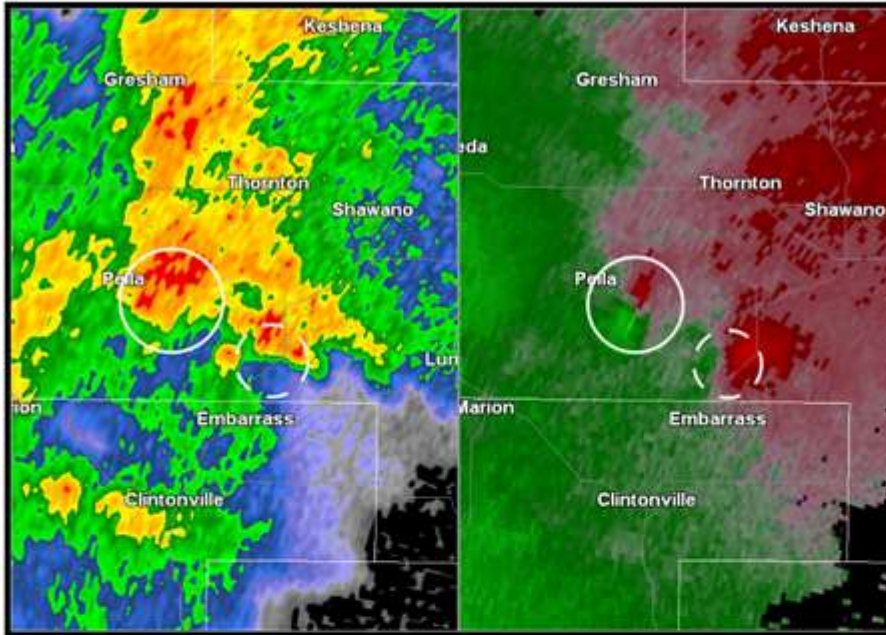


TORNADO / WATERSPOUT REFERENCE GUIDE – JULY

Event 88: July 6, 2015

The EF0 tornado touched down at 4:03 PM CST just over a mile east of the Pella Airport in Shawano County. The tornado traveled nearly a tenth of a mile and was 25 yards wide before dissipating at 4:04 PM CST. The tornado tore off part of a barn and sent wooden pallets into a nearby field.

As this cell continued to move northeast into Shawano County, it produced another very weak tornado (EF0) that briefly touched down near Pella in central Shawano County around 5 pm CDT (denoted by the white circle in the image below). The dashed circle in the image below denotes a new circulation associated with a different cell that was developing to the southeast of the Pella (just north of Embarrass).



Radar reflectivity (above left) and velocity image (above right) associated with brief tornado touchdown near Pella (denoted by solid circle in the image above). Dashed circle denotes a new circulation that eventually produces a tornado near Gillett about 50 minutes later.

Here are some damage photos from the Pella tornado:

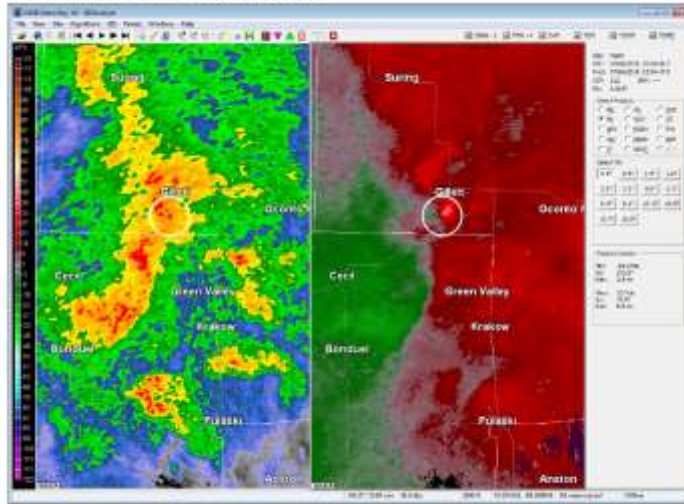


TORNADO / WATERSPOUT REFERENCE GUIDE – JULY

Event 89: July 6, 2015

The EF1 tornado touched down at 4:56 PM CST 2.2 miles east-northeast of Gillett in Oconto County. The tornado traveled two and one quarter miles and was 50 yards wide before dissipating 2.6 miles south-southwest of Kelly Brook at 5:03 PM CST. The tornado uprooted or snapped at least 20 trees and caused minor damage to a house.

This new cell north of Embarrass continued to organize and strengthen and eventually produced an EF1 Tornado near Gillett in western Oconto County around 5:55 pm CDT (see image below).



Radar reflectivity (above left) and velocity (above right) denoting the location of the storm that produced an EF1 tornado near Gillett around 5:55 pm CDT.

Here are some damage photos from the Gillett tornado:



TORNADO / WATERSPOUT REFERENCE GUIDE – JULY

Event 90: July 12, 2017

The EF0 tornado touched down just over two miles south of Custer in Portage County around 7:30 PM CST. The tornado produced minor crop damage and damaged the roof of an outbuilding which resulted in the building losing a wall. The tornado was 30 yards wide and traveled seven tenths of a mile before dissipating just over two miles north-northeast of Arnott around 7:32 PM CST.

Event 91: July 20, 2018

The EF0 tornado touched down around 11:55 AM CST nearly a mile and a half northwest of Silver Lake, or near Highway 21 about mile southeast of Wautoma in Waushara County. Several witnesses observed the tornado on the ground for 10 to 15 seconds. A few white pine branches were broken. The tornado was 10 yards wide and traveled a tenth of a mile before dissipating at 11:56 AM CST.

Event 92: July 16, 2019

The brief but weak EF0 tornado touched down in an open field between Plainfield and Hancock in Waushara County around 4:35 PM CST. No damage was reported, but dust and a few small branches were lofted in the air by the funnel. The tornado was 10 yards wide and traveled nearly two tenths of a mile before dissipating at 4:36 PM CST.

Event 93: July 19, 2019

The EF0 tornado touched down just over seven miles north-northwest of Spirit Falls in Lincoln County around 5:47 PM CST. The tornado produced scattered tree damage and was seen by the public. Winds were estimated at 75 to 80 mph. The tornado was 50 yards wide and traveled six and a half miles before dissipating at 6 PM CST nearly seven miles northwest of the Tomahawk Regional Airport.

Event 94: July 19, 2019

The EF0 tornado touched down five and a half miles southwest of Lake George in Oneida County around 6:49 PM CST. The tornado produced a path of scattered tree damage west of Pelican Lake. Peak winds were estimated around 80 mph. The tornado was 50 yards wide and traveled nearly five and a half miles before dissipating just over two miles northwest of Enterprise around 6:58 PM CST.



Tornado Track and Storm Damage

TORNADO / WATERSPOUT REFERENCE GUIDE – JULY

Event 95: July 19, 2019

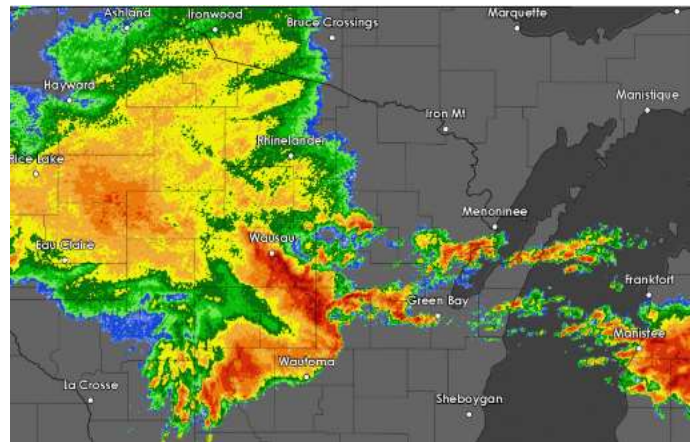
The EF1 tornado touched down one and a half miles south-southwest of Moon around 7:20 PM CST. The tornado produced damage to dozens of trees, damaged the roof of an outbuilding and demolished an old barn in the town of Knowlton. Peak winds were estimated near 90 mph. The tornado was part of a line of severe thunderstorms that rolled across north-central and northeast Wisconsin during the evening. The tornado was 100 yards wide and traveled nearly nine miles before dissipating around 7:30 PM CST nearly four miles east-northeast of Knowlton.

Event 96: July 20, 2019

The EF1 tornado touched down near one and a half miles south-southeast of Waupaca around 9:55 AM CST. The tornado formed south of Waupaca and moved east-northeast to near White Lake. The tornado damaged siding and shingles on six homes and an apartment in a new subdivision near the Waupaca Airport. The garage door of a newer home was blown completely in, causing damage to the roof of the house. Another house had a small part of its roof heavily damaged. Numerous trees were also damaged along the path. Peak winds were estimated around 90 mph. The tornado was 80 yards wide and traveled about seven and a half miles before dissipating at 10:03 AM CST two miles east-southeast of White Lake.



Tornado Tracks



Radar Image

Event 97: July 20, 2019

The EF0 tornado touched down just over a half mile south-southwest of Weyauwega around 10 AM CST, damaging several trees on the south side of Weyauwega. Peak winds estimated at 75 mph. The tornado was 50 yards wide and traveled just short of a mile and a half before dissipating around 10:02 AM CST one mile east of Weyauwega.

Event 98: July 20, 2019

The EF0 tornado touched down nearly two miles south-southwest of New London at 10:09 AM CST. The tornado damaged a few trees before entering Outagamie County at 11:10 AM CST about 1.4 miles south of New London. In Outagamie County, the tornado continued northeast and destroyed a storage shed, heavily damaged trees and ripped shingles and siding off a house. A power pole also fell onto a car. Peak winds were estimated around 90 mph. The maximum width of the tornado was 90 yards and traveled seven and a half miles before dissipating around 10:20 AM CST nearly three miles southwest of Shiocton.

TORNADO / WATERSPOUT REFERENCE GUIDE – JULY

Event 99: July 20, 2019

The EF1 tornado touched down around 10:18 AM CST nearly two and a half miles east of Hortonville. The tornado damaged three power poles, destroyed a car port of an outbuilding, partially damaged two outbuildings, removed siding off a couple houses, and damaged trees along its path. Estimated peak winds were around 90 mph. The tornado was 5 yards wide and traveled around three and a half miles before dissipating around 10:22 AM CST just over three miles east-southeast of Stephenville.

Event 100: July 20, 2019

The EF0 tornado touched down around 10:22 AM CST nearly two miles northeast of Greenville. The brief tornado damaged a few tree limbs and took some shingles and siding off a house northeast of Greenville. A power pole was also damaged. Peak winds were estimated near 85 mph. The tornado was 50 yards wide and nearly three quarters of a mile before dissipating around 10:23 AM CST around two and a half miles northeast of Greenville.

Event 101: July 20, 2019

The EF0 tornado touched down around 10:36 AM CST just over three miles east-northeast of Little Chute. The tornado damaged the roof of a barn and silo top northeast of Kaukauna. Peak winds were estimated at 80 mph. The tornado was 50 yards wide and traveled just over a mile before dissipating around 10:38 AM CST just over four miles east-northeast of Little Chute.

Event 102: July 28, 2021

The EF1 tornado formed at 7:40 PM CST near Pine River or 4.8 miles southeast of Merrill in southern Lincoln County, damaging dozens of trees. The tornado continued south into Marathon County around 7:42 PM CST, damaging dozens of more trees before ending near the intersection of Shady Lane Road and Hazelwood Lane at 7:44 PM CST. The tornado path was estimated at 2.7 miles long, a maximum width of 300 yards and winds estimated around 90 mph.

Event 103: July 28, 2021

The brief EF0 tornado touched down west of Bevent or four tenths of a mile south-southeast of Peplin in Marathon County around 8:18 PM CST. The tornado produced damage to trees and a power pole. The total path length was estimated to be two-tenths of a mile with a width of 100 yards before dissipating at 8:19 PM CST six tenths of a mile south-southeast of Peplin.

Event 104: July 28, 2021

The brief EF0 tornado touched down nearly 2 miles west of Borth in Waushara County at 10:06 PM CST. The tornado damaged an outbuilding. The tornado path length was estimated at nearly a half mile, with a width of 33 yards. Peak winds were estimated at 80 mph. The tornado dissipated 1.8 miles west-southwest of Borth around 10:08 PM CST.

Event 105: July 27, 2023

The brief EF0 tornado formatted at 6:22 PM CST in the Hiles area of Forest County and continued southeast before dissipating at 6:26 PM CST. The total path length was estimated to be 1.68 miles long with a maximum width of 90 yards. Peak wind was estimated at 76 mph.

TORNADO / WATERSPOUT REFERENCE GUIDE – AUGUST

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
1	1	8	30	1958	15:26	6 SE Wausaukee	Marinette
2	2	8	28	1959	14:04	3 N Appleton	Outagamie
3	2	8	22	1964	14:00	6 W Bancroft - Grant	Portage
4	1	8	5	1968	14:00	3 NW Seymour	Outagamie
5	2	8	16	1968	12:30	Kaukauna	Outagamie
6	2	8	16	1968	21:20	5 SE Hofa Park - 4 S Pulaski	Brown
7	4	8	19	1968	16:10	3 SW Pound - Marinette	Marinette
8	2	8	19	1968	17:30	4 W Fenwood - 11 E Fenwood	Marathon
9	1	8	21	1972	15:10	Goodwin - Two Rivers	Manitowoc
10	3	8	31	1977	18:15	1 SW Stratford - Wausau	Marathon
11	1	8	4	1979	10:00	Manitowoc	Manitowoc
12	2	8	9	1979	18:20	Rockland Beach	Calumet
13	1	8	9	1979	18:56	Green Bay - northeast	Brown
14	2	8	12	1985	18:13-18:30	6 S Marshfield - Auburndale	Wood
15	0	8	12	1985	19:30-19:45	1 N Richford	Waushara
16	1	8	14	1987	17:40-17:43	1 W Menasha	Winnebago
17	1	8	1	1988	18:52	1 W Saint Germain	Vilas
18	0	8	1	1988	18:20	3 S Hazelhurst	Oneida
19	0	8	1	1988	19:22	2 SE Eagle River	Vilas
20	1	8	4	1988	14:35-14:45	1 E Reedsville - 2 N Cato	Manitowoc
21	3	8	29	1992	19:10-19:55	1 N Wautoma - 3 SE Poysippi	Waushara
22	0	8	9	1993	20:15	1 N Tripoli	Oneida
23	1	8	27	1994	21:07	Hancock	Waushara
24	1	8	27	1994	21:41-21:50	1.5 S Wausaukee - 3 SE Wausaukee	Marinette
25	2	8	7	1996	01:45-01:49	6.5 N Stratford - 2.5 NNW Fernwood	Marathon
26	1	8	7	1996	01:46-01:47	1 N - 1.2 NE Stratford	Marathon
27	1	8	7	1996	02:19-02:21	0.4 SW Shantytown - Shantytown	Marathon
28	0	8	23	1998	15:22	Menasha	Winnebago
29	3	8	23	1998	17:30-17:44	3 SW Egg Harbor - 5 SE Egg Harbor	Door
30	0	8	3	1999	17:45	3 W Pittsville	Wood
31	0	8	4	1999	16:05-16:15	21 ESE Sturgeon Bay (waterspout)	Door
32	0	8	14	2000	19:10	Lake Tomahawk	Oneida
33	1	8	3	2003	13:59-14:03	0.3 W - 0.2 ENE Potter	Calumet
34	0	8	18	2005	17:32	6 WSW - 3.7 SW Wautoma	Waushara
35	0	8	18	2005	18:38-18:41	4 SSW - 3.4 SW New London	Waupaca
36	0	8	18	2005	18:40-18:48	4.5 W - 2.6 NW Neenah	Winnebago
37	1	8	18	2005	19:45-19:49	6 ENE - 6.8 ENE Wrightstown	Brown
38	1	8	18	2005	20:35	6.5 SSW - 5.7 S Manitowoc	Manitowoc
39	1	8	20	2010	15:20-15:22	2 SE - 2.7 ESE Greenleaf	Brown
40	1	8	19	2011	15:45-15:56	2.9 NW - 5.2 ESE Wausaukee	Marinette
41	0	8	23	2011	16:58	0.3 NW Arpin	Wood

TORNADO / WATERSPOUT REFERENCE GUIDE – AUGUST

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
42	0	8	23	2011	17:56-17:57	0.9 - 1.1 SE Briarton	Shawano
43	0	8	23	2011	20:05-20:06	0.8 ENE - 1.3 E Sherwood	Calumet
44	0	8	9	2012	12:10-12:20	6 S Kewaunee (waterspout)	Kewaunee
45	0	8	9	2012	12:25-12:35	6 S Kewaunee (waterspout)	Kewaunee
46	1	8	6	2013	23:22-23:33	4 NNE Partridge - 0.8 WSW Hortonville	Waupaca, Outagamie
47	2	8	6	2013	23:24-23:33	1.2 W New London - 0.4 WSW Greenville	Waupaca, Outagamie
48	1	8	6	2013	2338-2353	0.4 SE Mackville - 2.7 W Morrison	Outagamie, Brown
49	1	8	6	2013	23:38-23:52	3.5 E Greenville - 2.6 NNE Brillion	Outagamie, Brown, Calumet
50	1	8	6	2013	23:40-00:10	2.7 ENE Mackville - 1.1 NNE Larrabee	Outagamie, Brown, Manitowoc
51	1	8	6	2013	00:05-00:10	0.5 SSE Henrysville - 1 NE Stangelville	Brown, Calumet, Kewaunee
52	0	8	18	2014	15:23-15:25	3.3 NE Winchester - 4.0 NNE Larsen	Winnebago
53	1	8	4	2016	10:20-10:26	1.3 NNE Cherokee - 4.4 SSW Stratford	Marathon
54	0	8	20	2016	09:03-09:06	1.1 W - 0.8 NW Kewaunee	Kewaunee
55	1	8	28	2018	15:34-15:35	2.2 NNW - 2.1 N Kiel	Manitowoc
56	0	8	7	2019	16:48-16:57	2.3 SE Green Bay - 1.9 N Pine Grove	Brown
57	1	8	9	2020	18:44-18:58	0.3 SSW Star Lake - 4.7 W Conover	Vilas
58	1	8	9	2020	19:28-19:36	3.8 ESE S. Germain - 2.0 SW Eagle River	Vilas
59	1	8	9	2020	20:12-20:22	4.3 E Alvin - 5 S Caspian, MI	Florence, Forest
60	1	8	8	2021	14:52-14:58	7 SSW - 1.1 W Coloma	Waushara
61	1	8	10	2021	16:58-17:11	1.3 SE Stinson - 2.4 SW Drephal	Outagamie
62	0	8	11	2021	13:08-13:09	1 SW- 0.8 SSW Angelica	Shawano
63	0	8	11	2021	13:14-13:22	0.8 WNW - 1.5 E Pulaski	Brown

TORNADO / WATERSPOUT REFERENCE GUIDE – AUGUST

Event 1: August 30, 1958

The F1 tornado was reported 6 miles southeast of Wausaukee in Marinette County around 3:26 PM CST. The tornado was 100 yards wide and traveled a mile before dissipating.

Event 2: August 28, 1959

Several funnel clouds were reported near the Outagamie County Airport by a pilot, and several other funnel clouds were noted by the Kimberly, Little Chute and Kaukauna police. The F2 tornado touched down about 3 miles north of Appleton around 2:04 PM CST. The tornado traveled approximately a mile before dissipating and had a maximum width of 35 yards.

Event 3: August 22, 1964

The F2 tornado touched down six miles west of Bancroft and traveled approximately 7 miles to the town of Grant around 3 PM CST in Portage County. The tornado had a maximum width of 300 yards.

Event 4: August 5, 1968

The F1 tornado touched down 3 miles northwest of Seymour in Outagamie County around 2 PM CST. The tornado was 150 yards wide and was on the ground for two miles before dissipating. Nine barns and farm buildings were destroyed.

Event 5: August 16, 1968

The F2 tornado touched down near Kaukauna in Outagamie County and traveled 2 miles before dissipating around 12:30 PM CST. The maximum width of the tornado was 100 yards. The Mueleman farm near Kaukauna experienced severe damage. A barn was destroyed along with many trees. His home also suffered damage as the roof was torn off and windows were knocked out.

Event 6: August 16, 1968

The F2 tornado first formed about 5 miles southeast of Hofa Park in extreme western Brown County on the Brown - Shawano County line. The tornado moved east about a mile and dissipated four miles south of Pulaski around 9:20 PM CST. The tornado reached a maximum width of 100 yards. A 40 year old dance hall on Highway 29 at the Shawano - Brown County line was destroyed. The building exploded and debris was scattered over nearby fields. The 73 year old owner was hospitalized.

Event 7: August 19, 1968

The funnel was first observed at about 4 PM CST near Breed but remained aloft until three miles southwest of Pound in Marinette County. The F4 tornado developed 3 miles southwest of Pound around 4:10 PM CST and traveled nearly 22 miles before dissipating in Marinette. The tornado moved east about 3 miles south of Highway 53, destroying farms near Pound and again just south of Marinette. Large hail three inches in diameter fell north of the tornado track. Two elderly brothers, John and Cecil Maloney were fatally injured as their farmhouse near Pound blew apart. A third brother James, who was in bed when the winds struck was found on some bed springs in a nearby cornfield. He was hospitalized in satisfactory condition. Two more people were injured at Marinette when the tornado struck near the airport. Nearly twenty counties were included in a series of thunderstorm warnings issued by the Weather Bureau.

Event 8: August 19, 1968

The F2 tornado form about 4 miles east of Fenwood in Marathon County near County Trunk P just west of Highway 97 around 5:30 PM CST. The tornado traveled just over fourteen miles to the east before dissipating about eleven miles east of Fenwood. The maximum width of the tornado was 75 yards. Twenty-five barns mostly on the north side of County Trunk P were flattened. Damage was estimated at more than one million dollars.

TORNADO REFERENCE GUIDE BY MONTH - AUGUST

GREEN BAY FORECAST AREA TORNADOES / WATERSPOUTS

Event 9: August 21, 1972

The F1 tornado touched down near Goodwin in Manitowoc County around 3:10 PM CST. The tornado was 50 yards wide and traveled approximately 12 miles to Two Rivers. The tornado struck the Van Koevering residence, uprooting five large trees in the yard. Tree and wire damage occurred along Highway 147 one mile south of Mishicot and near Highway 42 and near Shambeau Road near Two Rivers. The tornado moved eastward out over Lake Michigan.

Event 10: August 31, 1977

On the evening of the 31st, a devastating F3 tornado spun out a 27 mile-path of destruction across Marathon County around 6:15 PM CST. The first sighting of the tornado came seven miles southwest of Fenwood. The funnel base was described as reaching tree top levels as it downed barns in the area. The tornado continued to near Marathon City where more barns were destroyed. The tornado caused extensive damage to Ginseng crops in the area. In Rib Mountain, 15 homes were demolished, and 30 others were severely damaged. The storm moved into southwest Wausau damaging a mill and lumber yard. As the funnel cloud moved across the southern end of Wausau, brief touchdowns were noted at Grand Avenue and at Tenth and Manson Streets. The funnel lifted and moved eastward out of the city limits of Wausau, touching down for a final time on Linden Street. Barns and sheds were destroyed on Linden. The tornado reached a maximum width of a thousand yards. Property damage was close to two million dollars.

Event 11: August 4, 1979

The F1 tornado struck near Manitowoc in Manitowoc County around 10 AM CST. Several buildings on a farm were destroyed. There was no documentation on path length or width of the tornado.

Event 12: August 9, 1979

The F2 tornado touched down near Rockland Beach in Calumet County around 6:20 PM CST. The strong tornado only traveled about a mile and was fifty yards wide. One death was attributed to the tornado. A Rockland Beach woman died after the winds demolished the family home. She was crushed as the family's first floor fireplace fell through to the basement. The husband and three children were not hurt.

Event 13: August 9, 1979

The northeast side of Green Bay in Brown County was struck by the F1 tornado around 6:56 PM CST. There was no documentation on path length or width of the tornado.

Event 14: August 12, 1985

A large F2 tornado touched down around 6:13 PM CST six miles south of Marshfield in Wood County along highway B. The tornado traveled northeast across Highway EE and then slammed Auburndale. The tornado was on the ground for ten miles before the tornado dissipated in Auburndale around 6:30 PM CST. At its peak, the tornado was a massive 880 yards wide. Damage was estimated at \$5.5 million dollars. Fifty-eight dwellings and forty farms suffered damage. The Apache Gardens subdivision and the Wishkershen Trailer Park in Auburndale received substantial damage.

Event 15: August 12, 1985

The F0 tornado touched down one mile north of Richford in Waushara County around 7:30 PM CST. The tornado was 100 yards wide and traveled a half mile before dissipating. The tornado flattened 2 barns, damaged 5 homes and leveled many trees. Several sheds in Richford were destroyed and extensive window and roof damaged occurred.

TORNADO / WATERSPOUT REFERENCE GUIDE – AUGUST

Event 16: August 14, 1987

Considerable damage from the F1 tornado occurred one mile west of Menasha in Winnebago County between 5:40 and 5:43 PM CST. The tornado was 100 yards wide and traveled a quarter of a mile. Most of the damage occurred at a warehouse where siding and a roof were twisted and ripped away. Two 100 square foot cement slabs were also torn from the building. Trees and power lines were downed as well.

Event 17: August 1, 1988

The F1 tornado touched one mile west of St. Germain in Vilas County around 6:52 PM CST. The tornado was 50 yards wide and traveled one mile. The tornado caused falling trees to damage cars and buildings one mile west of St. Germain. Another EF0 tornado was reported at 7:22 PM CST two miles southeast of Eagle River.

Event 18: August 1, 1988

The brief F0 tornado occurred 3 miles south of Hazelhurst in Oneida County around 6:20 PM CST. The tornado was 25 yards wide and only traveled a tenth of a mile. The tornado damaged some trees.

Event 19: August 1, 1988

The brief F0 tornado occurred 2 miles southeast of Eagle River in Vilas County around 7:22 PM CST. The tornado was 25 yards wide and traveled three tenths of a mile. The tornado damaged some trees.

Event 20: August 4, 1988

The F1 tornado developed one mile east of Reedsville in Manitowoc County around 2:35 PM CST. The tornado was 25 yards wide and traveled 4 miles before dissipating two miles north of Cato around 2:45 PM CST. Two barns, one shed and several trees were damaged by the tornado.

Event 21: August 29, 1992

The F3 tornado touched down east of Big Flats in Adams County around 7 PM CST. The tornado skipped along a five-mile path, toppling trees and downing a 24 by 30 foot building. The killer tornado traveled a 28 mile-path across Adams and Waushara Counties. The tornado was noted north of Coloma 710 PM just CST. The tornado then moved to Wautoma to just north of Redgranite and then to three miles southeast of Poy Sippi before dissipating around 7:55 PM CST. The hardest hit area was just south of Wautoma where a woman was killed when her mobile home was hurled several hundred feet into a parking lot. In addition, 30 people were injured, several critically. The tornado caused over ten million dollars in damage. All-together, forty-eight homes were destroyed, and ninety-five other structures sustained major damage, 289 received minor damage. 950 acres of trees were toppled by the tornadic winds.

Event 22: August 9, 1993

The F0 tornado touched down one mile north of Tripoli in Oneida County around 8:15 PM CST. The tornado was 50 yards wide and traveled three tenths of a mile. Little damaged was noted with this tornado.

Event 23: August 27, 1994

The F1 tornado formed in Hancock in Waushara County around 9:07 PM CST. The tornado was 75 yards wide and was on the ground for a mile and a half.

Event 24: August 27, 1994

The F1 tornado developed a mile and half south of Wausaukee in Marinette County around 9:41 PM CST. The tornado was 75 yards wide and was on the ground for 4 miles before dissipating three miles southeast of Wausaukee around 9:50 PM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – AUGUST

Event 25: August 7, 1996

The F2 tornado touched down six and a half miles north of Stratford in Marathon County around 1:45 AM CST, tearing the top portion of a home off, flattened a garage, and snapped off several large trees. The tornado continued east northeast for two and a half miles and reached a maximum width of 200 yards before dissipating two and a half miles north northwest of Fenwood around 1:49 AM CST. As the storm moved east, there was damage to a storage shed and thirty trees on a farm. A dozen of Ginseng shelters were thrown about. The tornado was not on the ground for the entire path.

Event 26: August 7, 1996

The brief F1 tornado touched down one mile north of Stratford in Marathon County around 1:46 AM CST. The tornado was 100 yards wide and only traveled two tenths of a mile before dissipating 1.2 miles northeast of Stratford round 1:47 AM CST. The tornado snapped off numerous large trees, some of which fell on the top of homes. In addition: a barn was flattened while a semi-trailer was flipped over, and a car moved 75 feet.

Event 27: August 7, 1996

The F1 tornado touched down four tenths of a mile southwest of Shantytown in Manitowoc County around 2:19 AM CST. The tornado was 100 yards wide and traveled nearly a half mile to Shantytown before dissipating around 2:21 AM CST. The tornado tore a 100 yard-swath through a cornfield. In Shantytown, the tornado tore the roof and garage off a home. Pieces of the roof were found one-quarter of a mile away from the home.

Event 28: August 23, 1998

The brief F0 tornado touched down near Menasha in Winnebago Count at 3:22 PM CST. The tornado was 10 yards wide and traveled a tenth of a mile before dissipating. No damage was noted on the monthly storm report.

Event 29: August 23, 1998

Article written by National Weather Service Green Bay Staff

The F3 tornado struck a rural section of central Door County in Northeast Wisconsin during the evening of August 23, 1998. The multiple-vortex tornado was on the ground for nearly 14 minutes while carving a path of damage 5.1 miles long and 1/4 to over 1/2 mile wide at times. Damage was estimated at nearly \$7 million. The tornado, which moved off the waters of Green Bay, moved on shore three miles southwest of Egg Harbor at 5:30 PM CST, near Horseshoe Bay. Thousands of trees were snapped or uprooted as the tornado moved across the heavily wooded area in Murphy Park. The width of the damage path just after it came on shore was nearly one-half mile! The tornado then crossed Highway 42 at about 5:34 PM CST, severely damaging several houses and businesses. Damage in this area was rated F2 on the Fujita Scale of F0 to F5. About three minutes later the tornado ripped a two-story farmhouse off its foundation, dropping it 20 yards away. Based on the house's construction, damage in this area was rated F3. Nearby, a campground was hit, causing considerable damage there to trees and campers. Amazingly, only two people were injured. The tornado weakened shortly thereafter, lifting off the ground three miles west-northwest of Jacksonport at around 5:44 PM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – AUGUST



AUGUST 23, 1998 DOOR COUNTY F-3 TORNADO

This photo was taken about the time the super cell thunderstorm was entering the Bay of Green Bay, off the Menominee, Michigan coast around 5:05 PM CST. The picture was taken 75 miles south of the storm. (Photograph © 1998 Michael Schardt)



This picture was taken around 5:15 PM CST, about the Time the supercell was producing a waterspout on the bay. The picture was taken 25 miles south of the storm. (Photograph © 1998 Ray Fulwiler)

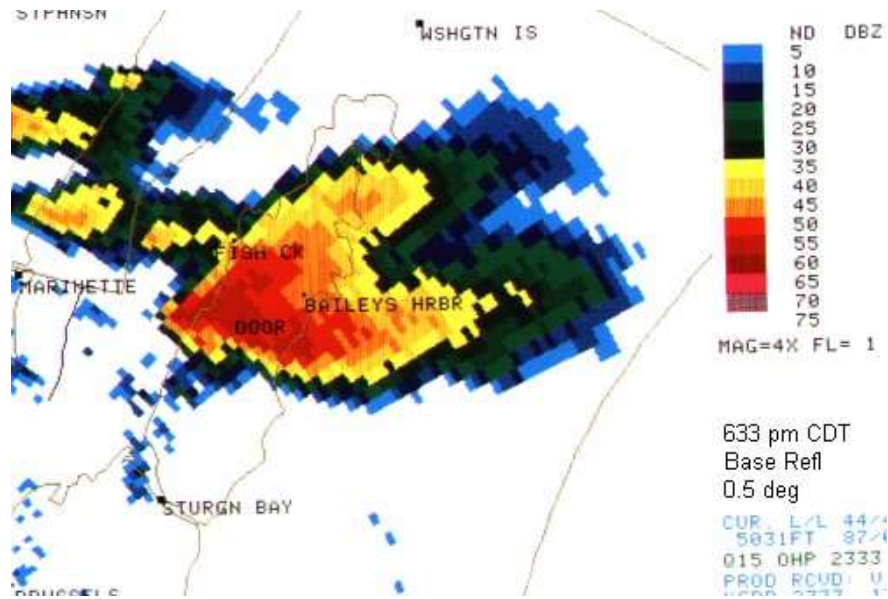


These photos were taken by Tom Janssen II at Murphy Park, which was hit by the tornado. The two on the left show the waterspout just after it developed, around 5:15 PM CST. The third picture was taken a little after 5:20 PM CST. The tornado was off the Door County shore over the Bay of Green Bay.

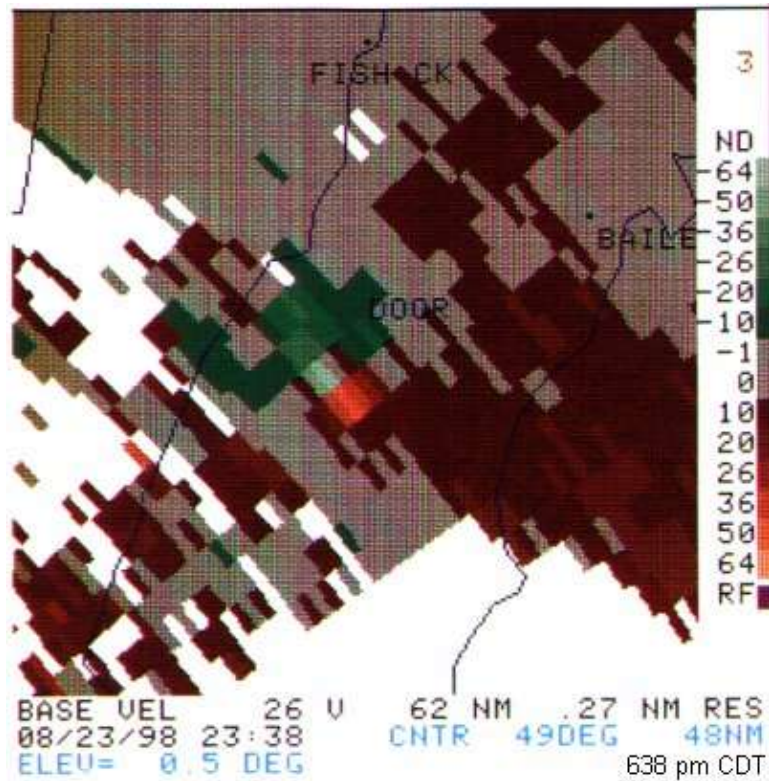


These pictures were taken by Gary Gridley, from Egg Harbor. The photo on the left was taken at 5:25 PM CST. The picture on the right was taken around 5:30 PM CST, as the tornado was coming onshore at Murphy Park.

TORNADO / WATERSPOUT REFERENCE GUIDE – AUGUST



This image shows the supercell thunderstorm as viewed by the radar. The image was taken at 5:33 PM CST.



The second image shows the tornado vortex signature 9 minutes later (5:38 PM CST) near the time it was producing F3 damage. At this point, the radar measured 94 knot (108 mph) winds (ground relative) at about 4,100 feet above the ground.

TORNADO / WATERSPOUT REFERENCE GUIDE – AUGUST

Door County Tornado

Damage



Here is a panoramic view looking east on Hwy 42. The damage width (which goes off the picture on both sides) was over ¼ mile wide as it passed over Hwy 42. (Photograph by Jeff Last)



This building (left picture) was on the south side of the tornado as it passed over Hwy 42 (Photograph by Jill Last, NWS Green Bay). There used to be a farmhouse and barn here (picture on right).

TORNADO / WATERSPOUT REFERENCE GUIDE – AUGUST

Event 30: August 3, 1999

The F0 tornado briefly touched down 3 miles west of Pittsville in Wood County at 5:45 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile. The tornado knocked down trees 3 miles west of Pittsville.

Event 31: August 4, 1999

The F0 waterspout was reported by a vessel on the lake 21 miles east southeast of Sturgeon Bay in Door County at 4:05 PM CST. The crew of the vessel observed two other waterspouts about 21 miles east southeast of Sturgeon Bay. The U.S. Coast Guard relayed the report they received from the vessel on the lake.

Event 32: August 14, 2000

The brief F0 tornado touched down at Lake Tomahawk in Oneida County at 7:10 PM CST. The tornado was 25 yards wide and was on the ground a tenth of a mile. The tornado damaged trees in the Lake Tomahawk area.

Event 33: August 3, 2003

The F1 tornado touched down three tenths of a mile west of Potter in Calumet County around 1:59 PM CST. The tornado was 75 yards wide and was on the ground for nearly a half mile before dissipating two tenths of a mile east northeast of Potter around 2:03 PM CST. The tornado damaged several houses, outbuildings, and trees around Potter.

Event 34: August 18, 2005

The F0 tornado touched down 6 miles west southwest of Wautoma in Waushara County at 5:32 PM CST. The tornado was 80 yards wide and was on the ground for two miles before dissipating 3.7 miles south of Wautoma at 5:36 PM CST. The tornado snapped off or uprooted many trees and caused damage to a few buildings and some farm equipment. A tree fell onto a large pole building, causing major damage to one of its sides. A porch at a residence was destroyed by a fallen tree limb while a portion of the metal roof of a barn was torn from it and thrown about 200 feet. An irrigation system was also damaged.

Event 35: August 18, 2005

The F0 tornado touched down 4 miles south southwest of New London in Waupaca County at 6:38 PM CST. The tornado was 40 yards wide and was on the ground for 1.2 miles before dissipating 3.4 miles southwest of New London at 6:41 PM CST. The tornado snapped large trees and a few buildings in its path. The tornado shifted a large barn, destroyed a small metal shed and threw it about a quarter of a mile. An outbuilding was overturned and thrown 30 to 40 feet into a stand of trees.

Event 36: August 18, 2005

The F0 tornado touched down four and a half miles west of Neenah in Winnebago County at 6:40 PM CST. The tornado was 50 yards wide and was on the ground for four miles before dissipating 2.6 miles northwest of Neenah at 6:48 PM CST. The tornado downed trees, stripping some siding from a home and destroying a corn crib.

Event 37: August 18, 2005

The F1 tornado developed 6 miles east northeast of Wrightstown in Brown County around 7:45 PM CST. The tornado was 100 yards wide and traveled one mile before dissipating 6.8 miles east northeast of Wrightstown at 7:49 PM CST. About 75 trees were downed or snapped and several structures along its path were destroyed. Two wooden garages were destroyed, and debris scattered for several hundred feet. The walls of a house that were under construction were blown down. A part of a steel roof of a commercial building was damaged. A heavy wooden bench was picked up from the front porch and thrown several hundred feet away behind the house. The tornado was part of a record tornado outbreak in Wisconsin.

TORNADO / WATERSPOUT REFERENCE GUIDE – AUGUST

Event 38: August 18, 2005

The F1 tornado developed six and a half miles south southwest of Manitowoc in Manitowoc County at 8:35 PM CST. The tornado was 100 yards wide and traveled one and a half miles before dissipating 5.7 miles south of Manitowoc at 8:39 PM CST. The tornado damaged a farm, snapped, or uprooted around 50 large trees while several hay wagons and trailers were overturned. A concrete silo was destroyed and another damaged. The roof of a barn sustained extensive damage. Part of the barn and silo were found in trees a third of a mile away. The tornado was part of a record tornado outbreak in Wisconsin.

Event 39: August 20, 2010

The EF1 tornado touched down 2 miles southeast of Greenleaf in Brown County at 3:20 PM CST. The tornado traveled just over 1.25 miles and was 75 yards wide before dissipating 2.7 ESE of Greenleaf at 3:22 PM CST. When the tornado initially touched down, several trees were snapped and uprooted. The tornado then destroyed a relatively new barn constructed of metal wall panels and roof. Pieces of the roof and wall were strewn over 100 yards from the site. About 50 to 100 yards on either side of the damaged barn small outbuildings and trees were untouched. The tornado continued east-northeast to another farm and heavily damaged a metal building which contained hay bales. Large parts of the metal roof were thrown over 200 yards. Numerous trees along the patch were snapped or uprooted. Estimated maximum winds were 90 mph. The tornado dissipated just north of the Holland State Wildlife Area.

Event 40: August 19, 2011

The EF1 tornado quickly developed northwest of the city of Wausaukee during the late afternoon and moved southeast for nearly eight miles before dissipating. The twister touched down near Long Lake, snapping or uprooting hundreds of trees as it moved towards Wausaukee. A mobile home near Long Lake was heavily damaged by fallen trees, but the occupants escaped without injury. As the tornado moved into Wausaukee, it leveled another mobile home killing a 46-year-old male. Two additional buildings on the property sustained damage including a house that lost part of its roof. Two semi-trailers on the property were blown over. The tornado continued southeast, damaging a baseball field and hundreds of additional trees on the east side of Wausaukee. The tornado reached the Menominee River and briefly crossed into Upper Michigan before moving back into Wisconsin and dissipating near Highway 180. One tree fell on a home near Deer Lane Road.

Event 41: August 23, 2011

The EF0 tornado was witnessed by local law enforcement. The tornado touched down for less than 10 seconds in a corn field. A couple of stalks of corn were thrown in the air, but no damage was reported. The EF0 tornado was estimated to have winds around 60 mph.

Event 42: August 23, 2011

The EF0 tornado touched down near Briarton shortly before 6 PM CST along Shady Road in Shawano County just north of the Outagamie County line. Tall grass and a hay field were flattened in a cyclonic pattern. In addition, about a dozen trees had snapped limbed. Peak winds were estimated at 65 to 70 mph. The average path width was 50 yards.

Event 43: August 23, 2011

The EF0 tornado touched down less than a mile northeast of Sherwood at 8:05 PM CST. The EF0 tornado toppled two trees that damaged the roof of a house and snapped or uprooted six pine trees near Highway M. The tornado continued east-southeast moving over a swamp. Swirl marks were seen in the thick swamp grass. The tornado then hit a farm on Kesler Road. Two old barns were heavily damaged. Peak winds were estimated at 85 mph with an average width of 75 yards.

Event 44: August 9, 2012

The EF0 waterspout was reported by a trained spotter over Lake Michigan six miles south of Kewaunee between 12:10 PM and 12:20 PM CST. An upper-level trough of low pressure rotated through Wisconsin, resulting in numerous showers and thunderstorms. Cold air aloft associated with the trough, coupled with the warm waters of Lake Michigan provided favorable conditions for the development of waterspouts.

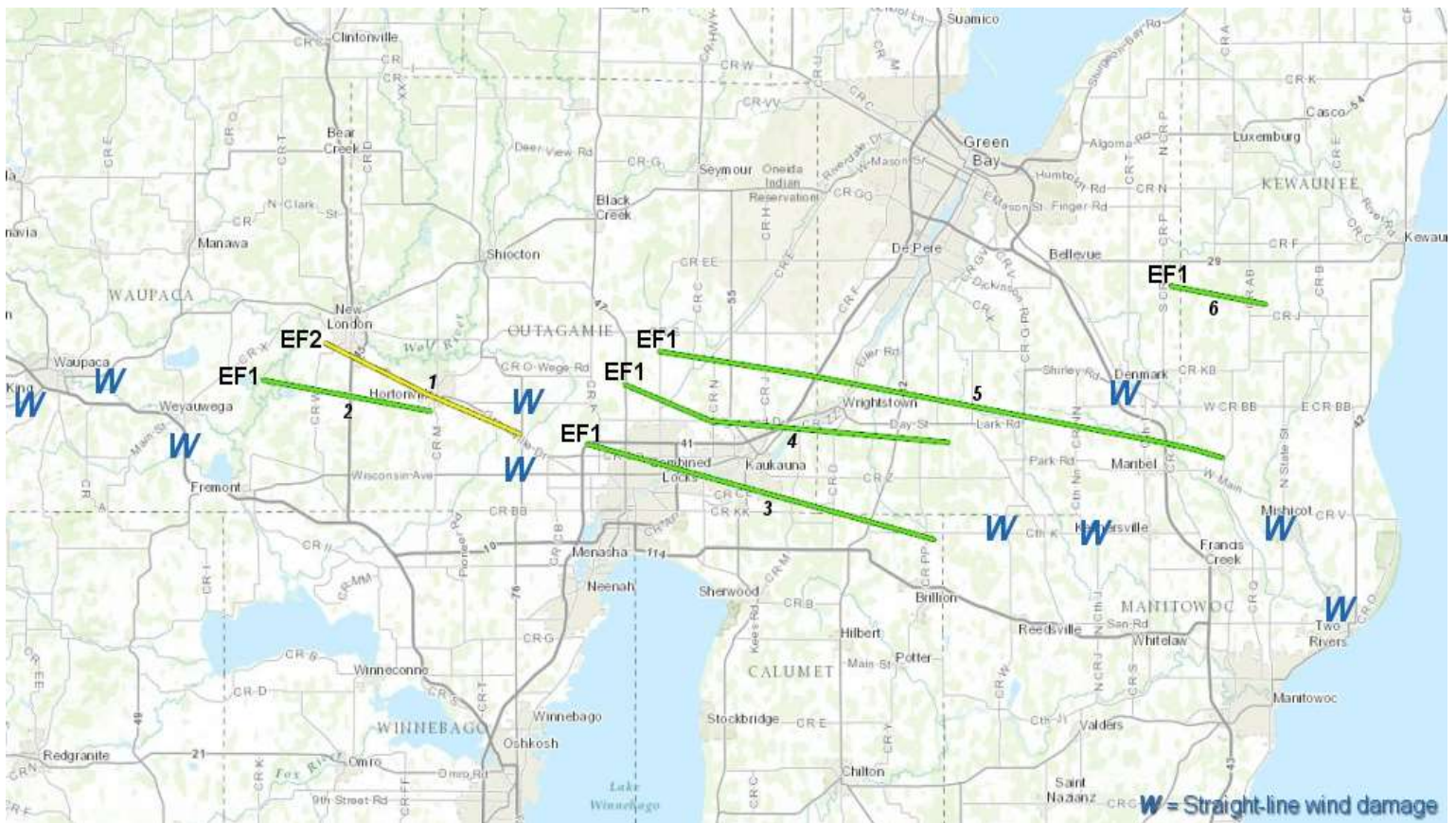
TORNADO / WATERSPOUT REFERENCE GUIDE – AUGUST

Event 45: August 9, 2012

The EF0 waterspout was reported by a trained spotter over Lake Michigan six miles south of Kewaunee between 12:25 PM and 12:35 PM CST. An upper-level trough of low pressure rotated through Wisconsin, resulting in numerous showers and thunderstorms. Cold air aloft associated with the trough, coupled with the warm waters of Lake Michigan provided favorable conditions for the development of waterspouts.

Event 46-51: August 6-7, 2013

Rare Late Evening / Early Morning Tornadoes on August 6-7, 2013



TORNADO / WATERSPOUT REFERENCE GUIDE – AUGUST

Event 46: August 6, 2013

The first of six late night tornadoes to strike Northeast Wisconsin on this date, the EF0 tornado touched down four miles north northeast of Partridge Lake in Waupaca County at 11:22 PM CST. The tornado was traveling at a rate of 60 to 70 mph. The tornado hit a campground, blowing several camper trailers over. Two people sustained minor injuries at the campground. Over one hundred trees were snapped or uprooted along the path in Waupaca County. The tornado moved into Outagamie County about 3.1 miles south of New London at 11:26 PM CST. The tornado damaged or uprooted trees as it moved across Outagamie County. Based on radar analysis, the circulation of this tornado may have merged with the other tornado that was occurring concurrently in the county near Hortonville. The tornado traveled 9.8 miles before dissipating eight tenths of a mile west southwest of Hortonville at 11:30 PM CST. The maximum width of the tornado in Outagamie and Waupaca Counties was 125 yards, with an average width of 75 yards in both counties.

Event 47: August 6, 2013

The second of six late night tornadoes to strike Northeast Wisconsin on this date, the EF2 tornado touched down 1.2 miles west of New London in Waupaca County at 11:24 PM CST. The tornado was traveling at a rate of 60 to 70 mph. The tornado struck a church (figure 1 below), causing severe damage. A large portion of the roof collapsed, causing failure to two walls. A wall on the new portion of the church was pushed in. In addition, hundreds of trees were snapped or uprooted. Several homes along the path sustained damage, mainly from fallen trees. The average path width in Waupaca County was 100 yards with a maximum width of 175 yards. The tornado now an EF1 entered Outagamie County at 11:25 PM CST a little over a mile southeast of New London, damaging or uprooting hundreds of trees along the path. Several homes in a two-block area of Hortonville were damaged (roof and siding) by falling trees. The average path width was 100 yards with a maximum width of 175 in Outagamie County. The tornado traveled 13.1 miles before dissipating four tenths of a mile west southwest of Greenville.



Figure 1: Church (southeast New London) damaged by a tornado. Peak winds were estimated at 115 to 120 mph.

TORNADO / WATERSPOUT REFERENCE GUIDE – AUGUST

Event 48: August 6, 2013

The third of six late night tornadoes to strike Northeast Wisconsin on this date, the EF1 tornado touched down four tenths of a mile west of Mackville in Outagamie County at 11:38 PM CST. The tornado was traveling at a rate of 60 to 70 mph. The tornado caused a barn to collapse, and heavily damaged a boat showroom in Little Chute. Another barn lost part of its roof northwest of Kaukauna. Damage to trees was sporadic as it moved through Outagamie County. The maximum width of the tornado in Outagamie County 175 yards, with an average width of one hundred yards. The tornado moved into southern Brown County, about 2 miles southwest of Wrightstown around 11:48 PM CST. In Brown County, the tornado uprooted or snapped dozens of trees as it moved east, just south of Greenleaf. A house lost an attached garage when winds blew in the garage door and caused a large portion of the garage roof to lift off. The walls of a nearby building collapsed. The maximum width of the tornado in Brown County was 175 yards and average width was 125 yards. The tornado traveled 19.2 miles before dissipating 2.7 miles west of Morrison at 11:53 PM CST.

Event 49: August 6, 2013

The fourth of six late night tornadoes to strike Northeast Wisconsin on this date, the EF1 tornado touched down three and a half miles east of Greenville in Outagamie County at 11:38 22CST. The tornado was traveling at a rate of 60 to 70 mph as it moved across northern portions of Appleton, Kimberly, and Kaukauna. The tornado caused some roof damage to the Northland Mall and caused roof and window damage to two small retail buildings. The storm then knocked over four wood electrical poles and uprooted or heavily damaged hundreds of trees in a nearby neighborhood. Although houses in the area sustained relatively minor wind directly, fallen trees caused considerable collateral damage to roofs, siding and vehicles. The maximum width of the tornado in Outagamie County was 150 yards, with an average width of 125 yards. The EF1 tornado entered Brown County a little over a mile west of Holland around 11:49 PM CST. A few trees were knocked over by the tornado. The average path width in Brown County was 150 yards. An EF1 tornado moved into Calumet County 1.6 miles northwest of Forest Junction around 11:50 PM CST. In Calumet County, the tornado damaged about three dozen trees. Two metal truss towers collapsed under the weight of several high voltage power lines which were likely moving in unison as their resonance frequency was reached. Engineers inspected the damaged estimated winds around 100 mph. The maximum width in Calumet County was 175 yards with an average width of 125 yards. The tornado traveled 20.7 miles before dissipating a little over two and a half miles north northeast of Brillion around 11:52 PM CST.

Event 50: August 6, 2013

The fifth of six late night tornadoes to strike Northeast Wisconsin on this date, the EF1 tornado touched down 2.7 miles east northeast of Mackville in Outagamie County at 11:40 PM CST. The tornado was traveling at a rate of 60 to 70 mph as it moved across the Fox Valley. The tornado caused significant damage to several outbuildings and barns and flattened sections of mature corn fields. The roof of a power substation was damaged. The maximum path width was 200 yards, with an average width of 150 yards. The EF0 tornado now moved into Brown County just under two miles northwest of Wrightstown near Highway 41 around 11:48 PM CST. The tornado first hit the Apple Creek Campground, snapping fifty trees, and knocking over two camping trailers. As the tornado moved across southern Brown County, at least seventy homes sustained at least minor damage, many from fallen trees. A large free-standing garage was heavily damaged when the tornadic winds blew in two garage doors, causing the roof to be ripped off. The maximum width of the tornado in Brown County was 250 yards, with an average width of 175 yards. The tornado moved into Manitowoc County 4.1 miles northwest of Rosencrans around 12:01 AM CST. The tornado strengthened to an EF1 in Manitowoc County. The tornado damaged several outbuildings and a roof of a barn. A 110-year-old stone structure at the Maribel Caves County Park was knocked over by the strong winds. The damage survey revealed the tornado ended a couple miles east of Maribel, but straight-line wind damaged continued into the east part of the county. The tornado in Manitowoc County has a maximum width of 250 yards and average width of 125 yards. The tornado traveled thirty-three miles across three counties before dissipating.

TORNADO / WATERSPOUT REFERENCE GUIDE – AUGUST

Event 51: August 7, 2013

The last tornado of the night to strike Northeast Wisconsin on this date, the EF1 tornado touched down a half mile south southeast of Henrysville in Brown County around 12:05 AM CST. The tornado was traveling at a rate of 60 to 70 mph as it moved across the region. A couple dozen trees were damaged or uprooted. In Brown County, the maximum width of the tornado was one hundred yards with an average width of 75 yards. An EF1 tornado moved into Kewaunee County about three miles southwest of Pilsen around 12:06 AM CST. The tornado caused the walls and roof of a barn to collapse and damaged two silos. The tornado also uprooted several dozen trees along its path. In Kewaunee County, the maximum width of the tornado was 100 yards with an average width of seventy-five yards. The tornado traveled 5.6 miles before dissipating one mile northeast of Stangelville around 12:10 AM CST.

Event 52: August 18, 2014

The EF0 tornado developed around 3:23 PM CST, causing minor damage as it moved east near Shady Lane a little over three miles northeast of Winchester in northern Winnebago County. The weak tornado caused two single wood power poles to partially lean in saturated soil and knocked over a few trees and limbs. Swirl marks could be seen in a field of tall grass. The tornado was not in contact with the ground during the entire path length (a little over two miles) before ending around 3:25 PM CST. The maximum width of the tornado was 50 yards with estimated winds of 65 to 75 mph.

Event 53: August 4, 2016

The EF1 tornado touched down a little over five miles of Colby (1.3 NNE Cherokee) in Marathon County around 10:20 AM CST. The tornado was 250 yards wide and affected sixteen homesteads and farms. One barn collapsed and three others sustained at least minor damage. Five homes sustained roof damage and several sheds were damaged or destroyed. A church steeple was damaged, and several dozen trees were snapped or uprooted. The average path wide was 125 yards with a maximum width of 250 yards. The tornado traveled just under four and a half miles before dissipating 4.4 miles south southwest of Stratford around 10:26 AM CST.

Event 54: August 20, 2016

The EF0 tornado touched down on the west side of Kewaunee in Kewaunee County around 9:03 AM CST. The tornado was 125 yards wide with about 100 trees sustaining some damage. Several trees were uprooted to the saturated ground. Several homes on the west side of Kewaunee had shingle or siding damage. Also, a baseball dugout at a school was blown down. The tornado traveled seven tenths of a mile before dissipating 1.1 miles west of downtown Kewaunee around 9:06 AM CST.

Event 55: August 28, 2018

The EF1 tornado touched down around 3:34 PM CST just over two miles north-northwest of Kiel in Manitowoc County. The tornado developed near the Manitowoc/Calumet County line near Meggers Road which destroyed a barn and produced sporadic tree damage. The tornado was 75 yards wide and traveled near a mile before dissipating at 3:35 PM CST just over two miles north of Kiel.

Event 56: August 7, 2019

The EF0 tornado touched down around 4:48 PM CST just over two miles southeast of downtown Green Bay. Three power poles sustained damage and a business sign was heavily damaged in Green Bay. The tornado continued southeast and damaged at least 100 trees along the path. A poorly constructed carport lost part of its metal roof at an apartment building and a nearby house lost a couple of shingles. The tornado was 90 yards wide and traveled just over six miles before dissipating around 4:57 PM CST nearly two miles north of Pine Grove.

TORNADO / WATERSPOUT REFERENCE GUIDE – AUGUST



Event 57: July 20, 2020

The EF1 tornado touched down three tenths of a mile south southwest of Star Lake in Vilas County around 6:44 PM CST. The tornado produced a path of tree damage from the eastern shore of Start Lake to the Upper Bucktabon Springs State Natural Area. Peak winds were estimated at 95 mph. The tornado was 400 yards wide and was on the ground for 6.2 miles before dissipating 4.7 miles west of Conover around 6:58 PM CST.

Video / Still Image by Christopher Hofmeister

Event 58: August 9, 2020

The EF1 tornado touched down near 3.8 miles east southeast of St. Germain in Vilas County around 7:28 PM CST. The tornado produced tree damage from east of St. Germain to southwest of Eagle River with intermittent touchdowns along the Wisconsin River. Peak winds were estimated around 90 mph. The tornado was 250 yards wide and had a path length of nearly three quarters of a mile before dissipating around 7:36 PM CST.

Event 59: August 9, 2020

The EF1 tornado touched down 4.3 miles east of Alvin in Forest County around 8:12 PM CST. The tornado damaged trees in the remote forest areas east of Alvin in extreme northeast Forest County. The tornado continued to damage trees across extreme northwest Florence County before dissipating near Caspian, Michigan around 8:22 PM CST.

Event 60: August 8, 2021

The brief EF1 tornado touched down at 2:52 PM CST in Pleasant Lake, or 3.7 miles south-southwest of Coloma in Waushara County. The tornado moved north for nearly 3.5 miles before dissipating 2:58 PM CST just over a mile west of Coloma. The tornado produced damage to trees and houses. The total path length was estimated nearly 3.5 miles long with a maximum width of 350 yards. Peak winds were estimated at 90 to 95 mph.

Event 61: August 10, 2021

The EF1 tornado touched down at 4:58 PM CST northwest of Black Creek, or 1.3 miles southeast of Stinson in Outagamie County. The tornado continued southeast, damaging trees and to the siding and roof of a house before dissipating at 5:11 PM CST. The total path length was estimated just over 2 miles with a maximum width of 40 yards. Peak winds were estimated to be around 90 mph.

Event 62: August 11, 2021

The EF0 tornado touched down at 1:08 PM CST one miles southwest of Angelica in Shawano County. The tornado uprooted trees and damaged an outbuilding before moving east and dissipating in a nearby field at 1:09 PM CST. The total path length was estimated at nearly four tenths of a mile and was 41 yards wide. Peak winds were estimated at 68 mph.

Event 63: August 11, 2021

The EF0 tornado touched down at 1:14 PM CST nearly one mile northwest of Pulaski in Brown County. The tornado moved east across the north side of Pulaski then dissipated about a mile and a half east of Pulaski around 1:22 PM CST. The tornado damaged trees. The total path length was estimated to be near 2.3 miles long with a maximum width of 75 yards. Peak winds were estimated around 70 mph.

TORNADO / WATERSPOUT REFERENCE GUIDE – SEPTEMBER

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
1	3	9	18	1950	14:30	2 N Waupaca - Weyauwega	Waupaca
2	4	9	26	1951	15:45-16:08	9 SSW Amherst - 2 SW Bear Creek	Portage, Waupaca
3	2	9	3	1961	00:10	Fenwood	Marathon
4	1	9	3	1961	01:00	Athens	Marathon
5	1	9	3	1961	17:00	12 W Merrill	Lincoln
6	1	9	19	1963	18:00	Laona	Forest
7	3	9	28	1971	14:00-16:05	23 NE Eau Claire - Athens	Marathon
8	3	9	28	1971	16:00-17:20	3 NE Brokaw - Middle Inlet	Marathon, Langlade, Oconto, Marinette
9	2	9	28	1971	14:15-16:05	19 SW Merrill - Merrill	Lincoln
10	2	9	16	1972	16:05	4 NW Wabeno - 2 N McAllister	Forest, Marinette
11	1	9	20	1980	23:15	Mattoon	Shawano
12	2	9	24	1984	16:50	13.5 WSW Wausau - Wausau	Marathon
13	0	9	19	1988	16:05	1 E Plainfield	Waushara
14	0	9	19	1988	16:37	1 W Edgar	Marathon
15	0	9	14	1991	18:00	2 W Green Valley	Shawano
16	0	9	9	1999	14:55	3 N Sister Bay (waterspout)	Door
17	0	9	19	1999	16:46-17:10	8 SE Sturgeon Bay (waterspout)	Door
18	0	9	6	2001	18:09-18:14	0.3 SSW - 1.3 NNE Pelican Lake	Oneida
19	0	9	2	2002	17:04-17:06	5.2 W - 5 W Athens	Marathon
20	1	9	2	2002	17:35-17:43	6 NW Wausau - 4 NE Wausau	Marathon
21	1	9	30	2002	18:10-18:11	5.5 SSE - 5.5 SE Spread Eagle	Florence
22	2	9	30	2002	18:30-18:35	8 W - 4.5 WNW Tomahawk	Lincoln
23	0	9	13	2005	17:09-17:12	De Pere - Allouez	Brown
24	0	9	29	2006	09:20-09:55	Chambers Is. - 12 SE Cedar River (waterspout)	Door
25	0	9	18	2012	17:01	3 W Sister Bay	Door

TORNADO / WATERSPOUT REFERENCE GUIDE – SEPTEMBER

Event 1: September 18, 1950

The F3 tornado touched down in Waupaca County 2 miles north of Waupaca around 2:30 PM CST. The tornado traveled to Weyauwega before dissipating. Storm data was not available, and I could not find any additional newspaper articles on this tornado event.

Event 2: September 26, 1951

The F4 tornado touched down 9 miles south southwest of Amherst in Portage County around 3:45 PM CST. The tornado then cut through the towns of Waupaca and Lebanon in Waupaca County. The tornado traveled 22.3 miles and reached a maximum width of 400 yards before dissipating 2 miles southwest of Bear Creek in Waupaca County around 4:08 PM CST. A family of five was killed near Waupaca while a 40-year-old woman was killed near New London in a farm home.

Event 3: September 3, 1961

The F2 tornado touched down near Fenwood in Marathon County around 12:10 AM CST and traveled about 2 miles. The tornado was 35 yards wide. Damage was confined to farm buildings and crops in rural western Marathon County.

Event 4: September 3, 1961

The F1 tornado touched down near Athens in Marathon County around 1 AM CST. The tornado was 35 yards wide and was on the ground for 2 miles.

Event 5: September 3, 1961

The F1 tornado touched down 12 miles west of Merrill in Lincoln County around 5 PM CST. The tornado was 50 yards wide and was on the ground for a mile.

Event 6: September 19, 1963

The F1 tornado tore through the village of Laona in Forest County around 6 PM CST. The tornado was less than 50 yards wide and traveled one mile before dissipating.

Event 7: September 28, 1971

A cold front moving through the state triggered scattered thunderstorms across the state. On this date, two long tracked F3 tornadoes were noted from near Stanley in western Wisconsin to Oconto County. The first tornado touched down 23 miles northeast of Eau Claire just south of Boyd and Stanley in Chippewa County around 2 PM CST. The tornado continued just south of Owen, north of Curtiss and south of Dorchester in Clark County. The tornado then moved into Marathon County south of Athens then weakened over Hamburg before finally dissipating just north of Merrill in Lincoln County around 4:05 PM CST. The tornado reached a maximum width of 300 yards and traveled 75 miles before dissipating. Damage was estimated near two million dollars.

Event 8: September 28, 1971

The second F3 tornado developed over the town of Hewitt northeast of Wausau in Marathon County around 4 PM CST. The town hall and four barns were destroyed in Hewitt. The tornado continued east northeast into Langlade County, passing about 6 miles south of Antigo and moved across the extreme northwest corner of Menominee County just south of White Lake. The tornado moved into Oconto County near Mountain, and then into Marinette County to Middle Inlet where the tornado dissipated around 5:20 PM CST. The tornado traveled 78 miles and reached a maximum width of 300 yards. The most severe damage occurred at Mountain where damage to buildings and trailers were estimated at \$200,000 dollars. Extensive damage to property and trees was reported in the Boulder Lake area where the lake level was reported to have dropped 5 inches. One person was injured at White Lake and four injuries were noted at Mountain, none seriously.

TORNADO / WATERSPOUT REFERENCE GUIDE – SEPTEMBER

Event 9: September 28, 1971

The F2 tornado was first sighted across portions of Clark and Taylor Counties. The tornado moved into Lincoln County 19 miles west southwest of Merrill around 2:15 PM CST. The tornado traveled 19 miles and reached a maximum width of 300 yards before dissipating near Merrill. Several farms were damaged or destroyed by the tornado across Clark, Taylor, and Lincoln counties. The storm summary does not indicate where the heaviest damage occurred.

Event 10: September 16, 1972

The F2 tornado formed 4 miles northwest of Wabeno in Forest County around 4:05 PM CST. The tornado tracked south of Athelstane, north of Wausaukee and into upper Michigan. The track reentered Wisconsin about 2 miles north of McAllister and cross over the Wisconsin Public Service Corporation Grand Rapids Power Dam. The tornado reentered upper Michigan 3 miles southwest of Ingalls around 5:15 PM CST moving across Highway 41 about two miles north of Wallace. The final path length of the tornado was 53 miles with the tornado reaching a maximum width of 200 yards. Several barns were flattened in the Wabeno area, otherwise damage was mainly to woods and overhead wires.

Event 11: September 20, 1980

The Mattoon area of Shawano County was struck by the F1 tornado around 11:15 PM CST. The tornado was 35 yards wide and traveled a half mile before dissipating. Several buildings were damaged by the tornado.

Event 12: September 24, 1984

The F2 tornado touched down thirteen and a half miles west southwest of Wausau in Marathon County around 4:50 PM CST, or one mile south of Highway P and one mile west of Highway 107. The tornado was 150 yards wide and traveled 12 miles before lifting on the east side of the Wisconsin River near Wausau. The tornado caused \$2.2 million dollars in damage in the townships of Emmett, Mosinee, Marathon, and Rib Mountain. Three homes were destroyed, eight sustained major damage and several barns and sheds were leveled. Numerous trees were reported down. The storm was accompanied by baseball size hail one mile northeast of Rothschild.

Event 13: September 19, 1988

The brief F0 tornado developed one mile east of Plainfield in Waushara County at 4:05 PM CST. The tornado was 25 yards wide and only traveled a tenth of a mile. Little damage noted in the monthly storm report.

Event 14: September 19, 1988

The brief F0 tornado developed one mile west of Edgar in Marathon County at 4:37 PM CST. The tornado was 25 yards wide and only traveled a tenth of a mile. Little damage noted in the monthly storm report.

Event 15: September 14, 1991

The EF0 tornado touched down briefly 2 miles west of Green Valley in Shawano County around 6:00 PM CST. The tornado was 25 yards wide and only traveled a tenth of a mile. Damage was confined to some trees and a pair of sheds.

Event 16: September 9, 1999

The F0 waterspout was reported 3 miles north of Sister Bay in Door County at 2:55 PM CST.

Event 17: September 19, 1999

The crew of a ship off the Door County shoreline, 8 miles southeast of Sturgeon Bay, spotted the F0 waterspout at 4:46 PM CST and then dissipated around 5:10 PM CST. There may have been other waterspouts in the vicinity of the one reported.

TORNADO / WATERSPOUT REFERENCE GUIDE – SEPTEMBER

Event 18: September 6, 2001

The F0 tornado touched down three tenths of a mile south southwest of Pelican Lake in Oneida County around 6:09 pm CST. The tornado was 30 yards wide and was on the ground for a half mile before dissipating 1.3 miles north northeast of Pelican Lake around 6:14 pm CST. The tornado caused minor damage to the Pelican Lake Supper Club, blew the roof off a nearby house and destroyed a garage. The tornado also caused minor damage to the Pelican Lake Town Hall and uprooted several trees.

Event 19: September 2, 2002

The F0 tornado touched down 5.2 miles west of Athens in Marathon County at 5:04 pm CST. The tornado was 75 yards wide and was on the ground for two tenths of a mile before dissipating at 5:06 pm CST. The tornado caused minimal damage.

Event 20: September 2, 2002

The F1 tornado developed 6 miles northwest of Wausau in Marathon County around 5:35 PM CST. The tornado was 200 yards wide and was on the ground for five miles before dissipating 4 miles northeast of Wausau around 5:43 PM CST. The tornado destroyed two barns, a garage, and a shed. It also snapped hundreds of trees, heavily damaged 6 homes and caused minor damage to 25 others. At least two vehicles traveling on Highway 51 were blown off the road. A trailer being towed by one of the vehicles was blown over and a large road sign hit the vehicle. The driver was injured and transported to the hospital.

Event 21: September 30, 2002

The F1 tornado touched down in southeast Florence County, five and a half miles south southeast of Spread Eagle around 6:10 PM CST. The tornado was 400 yards wide and traveled seven tenths of a mile before dissipating five and a half miles southeast of Spread Eagle around 6:11 PM CST. The tornado destroyed a pole barn, a garage that was under construction and 6 to 10 outbuildings. 150 to 250 trees and power lines were downed, causing numerous power outages. The tornado tracked east-northeast across the Menominee River into upper Michigan where it continued to do damage.

Event 22: September 30, 2002

The F2 tornado developed 8 miles west of Tomahawk in Lincoln County around 6:30 PM CST. The tornado traveled approximately 3 miles to the northeast and reached a maximum width of 250 yards before dissipating four and a half miles northwest of Tomahawk around 6:35 PM CST. The tornado did significant damage, uprooting or snapping off thousands of trees along its path. A house in the path of the tornado suffered major structural damage, a camping trailer was thrown 300 feet, and a car was thrown into a tree coming to rest at least fifteen feet above the ground. Two barns were also destroyed.

Event 23: September 13, 2005

The EF0 tornado touched down in De Pere in Brown County at 5:09 PM CST. The tornado was 50 yards-wide and the brief touchdown lasted for 1.9 miles before the tornado dissipated in Allouez just north of Heritage Hill State Park at 5:12 PM CST. The tornado's occasional brief touchdowns topped numerous trees. Some of the trees caused damage to buildings and vehicles when they fell. The tornado caused little direct structural damage to any buildings.

Event 24: September 29, 2006

The F0 waterspout was reported off Door County, from Chambers Island to 12 miles southeast of Cedar River, Michigan around 9:20 AM CST. The last report of the waterspout was around 9:55 AM CST.

Event 25: September 18, 2012

The brief EF0 waterspout was observed on the waters of the Bay of Green Bay three miles west of Sister Bay around 5:01 PM CST. The time of the event was estimated based on the time of 911 calls. A strong upper-level trough and cold air aloft produced conditions favorable for waterspout formation on the waters of Green Bay.

TORNADO / WATERSPOUT REFERENCE GUIDE – OCTOBER

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
1	1	10	8	1992	16:48	5 NE Wild Rose	Waushara
2	1	10	8	1992	17:12	4 NE Blaine	Portage
3	0	10	3	2018	18:08-18:09	1.2 SW - 0.7 SSE Mattoon	Shawano
4	0	10	15	2019	13:00-13:01	Deaths Door (waterspout)	Door

Event 1: October 8, 1992

The F1 tornado touched down in the Gilbert Lakes area about 5 miles northeast of Wild Rose in Waushara County around 4:48 PM CST. The tornado was 400 yards wide and was on the ground for a mile. Fifteen homes and buildings were damaged. 500 oak and pine trees were also damaged.

Event 2: October 8, 1992

The F1 tornado touched down about 4 miles northeast of Blaine in Portage County and moved through the township of Lanark around 5:12 PM CST. The tornado was 100 yards wide and was on the ground for 2 miles. Ten homes and buildings were damaged, a barn and garage destroyed, and numerous trees were knocked down.

Event 3: October 3, 2018

The EF0 tornado touched down around 6:08 PM CST just over a mile southwest of Mattoon in Shawano County. The weak fast-moving tornado caused only minor damage on the south side of the village of Mattoon. The tornado was 25 yards wide and traveled near a mile before dissipating less than a mile south-southeast of Mattoon at 6:09 PM CST.

Event 4: October 15, 2019

The EF0 waterspout was observed around 1 PM CST by the Washington Island Coop observer near Deaths Door.

TORNADO / WATERSPOUT REFERENCE GUIDE – NOVEMBER

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
1	2	11	15	1960	14:25	2 NE Chili - near Rib Mountain	Marathon

Event 1: November 15, 1960

The F2 tornado developed near Chili in southeast Clark County. The tornado traveled for 36 miles into central Marathon County around 2:25 PM CST where the tornado dissipated near Rib Mountain. The tornado reached a maximum width of 100 yards. Main damage with the storm occurred near Chili and near the Town of Rib Mountain.

TORNADO / WATERSPOUT REFERENCE GUIDE – DECEMBER

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Direction / Location	County or Counties
1	1	12	1	1970	07:00	Hull	Portage
2	2	12	1	1970	09:00	12 SE Marshfield	Wood
3	2	12	1	1970	09:45-10:30	4 NW Iola - Pella	Shawano,
4	3	12	1	1970	10:10-10:45	near Medina - Rose Lawn	Outagamie, Shawano

Event 1: December 1, 1970

A rare tornado event occurred across north central and northeast Wisconsin on this date. In all, there were four tornadoes on this date, including an F3. What made this event even more unusual was the time of day with all four tornadoes reported between 7 AM and 10:45 AM in the morning. The F1 tornado touched down on the Richard Rutta farm in the town of Hall north of Stevens Point in Portage County. The tornado was 200 yards wide and traveled nearly 3 miles before dissipating.

Event 2: December 1, 1970

Four rare December tornadoes were reported on this date across north-central and northeast Wisconsin. The F2 tornado touched down in Wood County 12 miles southeast of Marshfield or two miles southeast of Arpin on the Fred Cahler farm around 9 AM CST. The tornado traveled 2 miles while reaching a maximum width of 200 yards before dissipating. Several farm buildings were destroyed or damaged on the Fred Cahler farm. The tornadoes on this day are on the only December tornadoes recorded in the NWS Green Bay Service area.

Event 3: December 1, 1970

Four rare and only December tornadoes were reported on this date across north central and northeast Wisconsin. The F2 tornado touched down with severe damage around 9:45 AM CST on the Heschke farm 4 miles northwest of Iola in Waupaca County. The tornado moved east for 28 miles across Waupaca County into Shawano County before dissipating in Pella around 10:30 AM CST. The maximum width of the tornado was 200 yards. Additional damage occurred in the Marion and Pella areas. A lady and her three small children escaped injury when their mobile home was lifted by the tornado and exploded with debris scattered over the field.

Event 4: December 1, 1970

The F3 tornado developed around 10:15 AM CST near Medina in Outagamie County. The tornado moved northeastward at approximately 50 mph destroying about twenty barns and five homes. The tornado caused additional property damage along a track from Medina to Black Creek and beyond to near County Trunk C in southeastern Shawano County. The tornado was 200 yards wide and dissipated around 10:45 AM CST near Rose Lawn in Shawano County. Damage to farm buildings was estimated at \$500,000 dollars. Damage to a transmission line a mile and a half east of Stephenville was estimated at \$100,000.

TORNADO / WATERSPOUT REFERENCE GUIDE – BROWN COUNTY

Event	Date			Time		F/EF	Width	Path
#	Month	Day	Year	(CST)	Direction / Location	Rank	(Yards)	(Miles)
1	7	11	1957	13:45	4 SW Denmark	1	N/A	N/A
2	5	10	1959	20:50-20:55	Green Bay	2	33	4.0
3	5	28	1959	15:30	6 SW De Pere	0	N/A	N/A
4	5	28	1959	15:38	1 SW Greenleaf	1	N/A	N/A
5	6	10	1959	13:20	De Pere	1	17	1.0
6	6	23	1962	16:30-16:35	2 W Champion	1	33	3.0
7	5	8	1964	18:30-19:06	Winneconne - Wrightstown	2	100	35.0
8	5	30	1964	13:28	Green Bay - east side	0	33	1.0
9	8	16	1968	21:20	4 S Pulaski	2	100	1.0
10	6	26	1969	11:15-11:30	Black Creek - 2 NE Pulaski	2	100	15.3
11	4	22	1970	20:40	Ashwaubenon - Green Bay - north side	2	800	4.0
12	4	22	1970	21:00	De Pere - Green Bay	2	800	7.0
13	4	22	1970	21:10	2 NE Poland	1	500	7.0
14	5	21	1970	20:10	Green Bay - north side	0	33	2.0
15	7	30	1970	12:05	4 W Suamico	1	33	1.0
16	7	30	1977	22:45	0.5 N Forest Junction - Denmark	1	100	12.0
17	8	9	1979	18:56	Green Bay - northeast	1	N/A	N/A
18	5	16	1992	19:20-19:30	2 SW Wrightstown	1	100	1.0
19	6	17	1992	12:55	2 NE Denmark	0	23	0.1
20	6	23	2004	20:27	Green Bay - northwest	0	10	0.1
21	8	18	2005	19:45-19:49	6 ENE - 6.8 ENE Wrightstown	1	100	1.0
22	9	13	2005	17:09-17:12	De Pere - Allouez	0	50	1.9
23	8	20	2010	15:20-15:22	2 SE - 2.7 ESE Greenleaf	1	75	1.3
24	4	10	2011	19:53-19:55	1.2 NNE Askeaton - 1.4 S Greenleaf	1	75	1.2
25	8	6	2013	23:38-23:53	0.4 SE Mackville - 2.7 W Morrison	1	175	19.2
26	8	6	2013	23:38-23:52	3.5 E Greenville - 2.6 NNE Brillion	1	150	20.7
27	8	6	2013	23:40-00:10	2.7 ENE Mackville - 1.1 NNE Larrabee	0	250	33.1
28	8	7	2013	00:05-00:10	0.5 SSE Henrysville - 1 NE Stangelville	1	100	5.6
29	6	15	2015	14:09-14:10	1.5 NNW Glenmore - 1.4 NNW Glenmore	0	25	0.4
30	6	14	2017	14:53-14:55	1.2 SW Morrison - Morrison	0	50	1.4
31	8	7	2019	16:48-16:57	2.3 SE Green Bay - 1.9 N Pine Grove	0	90	6.2
32	8	11	2021	13:14-13:22	0.8 WNW - 1.5 E Pulaski	0	75	2.3

TORNADO / WATERSPOUT REFERENCE GUIDE – BROWN COUNTY

Event 1: July 11, 1957

The F1 tornado touched down 4 miles southwest of Denmark around 1:45 PM CST. There was no documentation on the path width or distance traveled.

Event 2: May 10, 1959

The F2 tornado touched down in Ashwaubenon around 8:50 PM CST and traveled northeast for approximately four miles into Preble and the city of Green Bay before dissipating at 8:55 PM CST. The maximum diameter of the tornado was less than 50 yards wide. One of the most severely damaged buildings in the Sunday night tornado was a year-old home moved nearly off its foundation in Ashwaubenon. Five members of the Julius Alberts family were inside the house when the tornado hit, escaped injury. The garage disappeared from the neighborhood and the car inside was twisted around and dumped in a field behind the house. Six homes were demolished and at least 50 others suffered heavy damage. Three injuries were noted with the tornado.

Event 3: May 28, 1959

The F0 tornado touched down 6 miles southwest of De Pere around 3:30 PM CST.

Event 4: May 28, 1959

The F1 tornado was spotted one mile southwest of Greenleaf around 3:38 PM CST.

Event 5: June 10, 1959

The F1 tornado touched down near De Pere around 1:20 PM CST. The tornado traveled about a mile and was less than twenty yards wide.

Event 6: June 23, 1962

The F1 tornado touched down 2 miles west of Champion in eastern Brown County around 4:30 PM CST. According to the local storm report for June of 1962, the tornado became or originated as a waterspout near Point Sauble as the storm was picking up water at times. The tornado/waterspout had a maximum width of less than 50 yards and traveled 3 miles before dissipating at 4:35 PM CST.

Event 7: May 8, 1964

Another long tracked F2 tornado was noted on May 8, 1964 across northeast Wisconsin. The tornado developed near Winneconne in Winnebago County around 6:30 PM CST. The tornado traveled northeast across Menasha, striking the John Strange Paper Company. The tornado continued into Neenah, near the Fox Point Shopping Center. The Fox Point Shopping Center suffered extensive damage where windows were blown in, and sections of the roof were blown off. The tornado continued into the southeast corner of Appleton near the Calumet Street power substation. The tornado finally dissipated in Wrightstown around 7:06 PM. At least ten barns were destroyed near Kaukauna.

Event 8: May 30, 1964

The F0 tornado momentarily touched down in a field northeast of Bellevue around 1:28 PM CST. The tornado was less than 50 yards wide and traveled about a mile before dissipating.

Event 9: August 16, 1968

The F2 tornado first formed about 5 miles southeast of Hofa Park in extreme western Brown County on the Brown - Shawano County line. The tornado moved east about a mile and dissipated four miles south of Pulaski around 9:20 PM CST. The tornado reached a maximum width of 100 yards. A forty-year-old dance hall on Highway 29 at the Shawano - Brown County line was destroyed. The building exploded and debris was scattered over nearby fields. The 73-year-old owner was hospitalized.

TORNADO / WATERSPOUT REFERENCE GUIDE – BROWN COUNTY

Event 10: June 26, 1969

A rare morning tornado was reported across northeast Wisconsin. Around 11:15 AM CST, the F3 tornado was noted moving northeast between Black Creek and near Pulaski in Outagamie County. The tornado traveled across far southeast Shawano County before dissipating 8 miles west of Sobieski in Oconto County around 11:30 AM CST. The tornado hit the far western portion of Brown County near Pulaski. The tornado caused extensive damage to trees and buildings in Black Creek, Seymour, Hofa Park, Elm Lawn and near Pulaski. A seven year old girl was hospitalized from injuries when a barn fell on her. The tornado traveled 18 miles and reached a maximum width of 100 yards.

Event 11: April 22, 1970

Several tornadoes were reported across north-central and northeast Wisconsin on this date. The F2 tornado touched down around 8:40 PM CST in Ashwaubenon and moved northeast about four miles to the north side of Green Bay. Maximum width of the tornado was 800 yards. Much of the damage was concentrated in the Lambeau Field area. Among the most seriously damaged businesses were the Midway Motor Lodge motel and the nearby Forum Supper Club as well as property at Nanco Corporation. There were reports of damage to tunnels connecting the Brown County Arena to an annex. Several cars in the area parking lot were damaged by flying debris. Roofs of several houses were damaged, and garages and barns were reported destroyed. Meanwhile, snow was occurring across northwest Wisconsin. Superior reported six inches of snow on the ground during the evening of the 22nd.

Event 12: April 22, 1970

Several tornadoes were reported across north-central and northeast Wisconsin on this date. The F2 tornado touched down around 9 PM CST in De Pere and traveled northeast for 7 miles through Allouez and then into the southeast side of Green Bay. The maximum width of the tornado was 800 yards. A church steeple was toppled in De Pere. Damage was reported at a lumber yard and canning company at Baird and Main Streets in Green Bay. Meanwhile, snow was occurring across northwest Wisconsin. Superior reported six inches of snow on the ground during the evening of the 22nd.

Event 13: April 22, 1970

The F2 tornado developed 2 miles northeast of Poland in extreme eastern Brown County around 9:10 PM CST. The tornado was 500 yards wide and traveled just over 7 miles to near Luxemburg in Kewaunee County before dissipating. Several farms were damaged and leveled the Kewaunee County Fair Grandstand at Luxemburg.

Event 14: May 21, 1970:

An airplane pilot reported the F0 tornado just northeast of Green Bay along the shores of the bay of Green Bay around 8:10 PM CST. The tornado became a waterspout about four miles northeast of Green Bay. The tornado/waterspout was less than 50 yards wide and was on the ground for about two miles.

Event 15: July 30, 1970

The brief F1 tornado touchdown occurred 4 miles west of Suamico. The tornado was less than 50 yards wide and traveled a mile before dissipating. According to the local storm report, the tornado struck in open country.

Event 16: July 30, 1977

The F1 tornado initially developed a half mile west of Forest Junction in Calumet County around 10:45 PM CST, destroying a rural farm including a large barn, milk house and several small sheds. The tornado was 100 yards and traveled twelve miles before dissipating in Denmark. In Denmark, a roof of an apartment building was blown off, a couple of garages were destroyed, and some farm machinery was toppled.

Event 17: August 9, 1979

The northeast side of Green Bay was struck by the F1 tornado around 6:56 PM CST. There was no documentation on path length or width of the tornado.

TORNADO / WATERSPOUT REFERENCE GUIDE – BROWN COUNTY

Event 18: May 16, 1992

The F1 tornado formed near Lamers and Clancy Roads near Kaukauna in Outagamie County around 7:20 PM CST. The tornado was 100 yards wide and traveled several miles into extreme southwest Brown County where it dissipated 2 miles southwest of Wrightstown around 7:30 PM CST. Numerous trees were down, some of which landed on houses.

Event 19: June 17, 1992

The F0 tornado briefly touched down in an open field 2 miles northeast of Denmark around 12:55 PM CST. The tornado was 25 yards wide and only traveled a tenth of a mile.

Event 20: June 23, 2004

The brief F0 tornado touched down on the northwest side of Green Bay at 8:27 PM CST. The tornado was 10 yards wide and traveled a tenth of a mile. The tornado caused some tree damage.

Event 21: August 18, 2005

The F1 tornado developed 6 miles east northeast of Wrightstown around 7:45 PM CST. The tornado was 100 yards wide and traveled one mile before dissipating 6.8 miles east northeast of Wrightstown at 7:49 PM CST. About 75 trees were downed or snapped and several structures along its path were destroyed. Two wooden garages were destroyed, and debris scattered for several hundred feet. The walls of a house that were under construction were blown down. A part of a steel roof of a commercial building was damaged. A heavy wooden bench was picked up from the front porch and thrown several hundred feet away behind the house. The tornado was part of a record tornado outbreak in Wisconsin.

Event 22: September 13, 2005

The F0 tornado touched down in De Pere around 5:09 pm CST. The tornado was 50 yards-wide and the brief touchdowns lasted for 1.9 miles before the tornado dissipated in Allouez just north of Heritage Hill State Park at 5:12 PM CST. The tornado's occasional brief touchdowns topped numerous trees. Some of the trees caused damage to buildings and vehicles when they fell. The tornado caused little direct structural damage to any buildings.

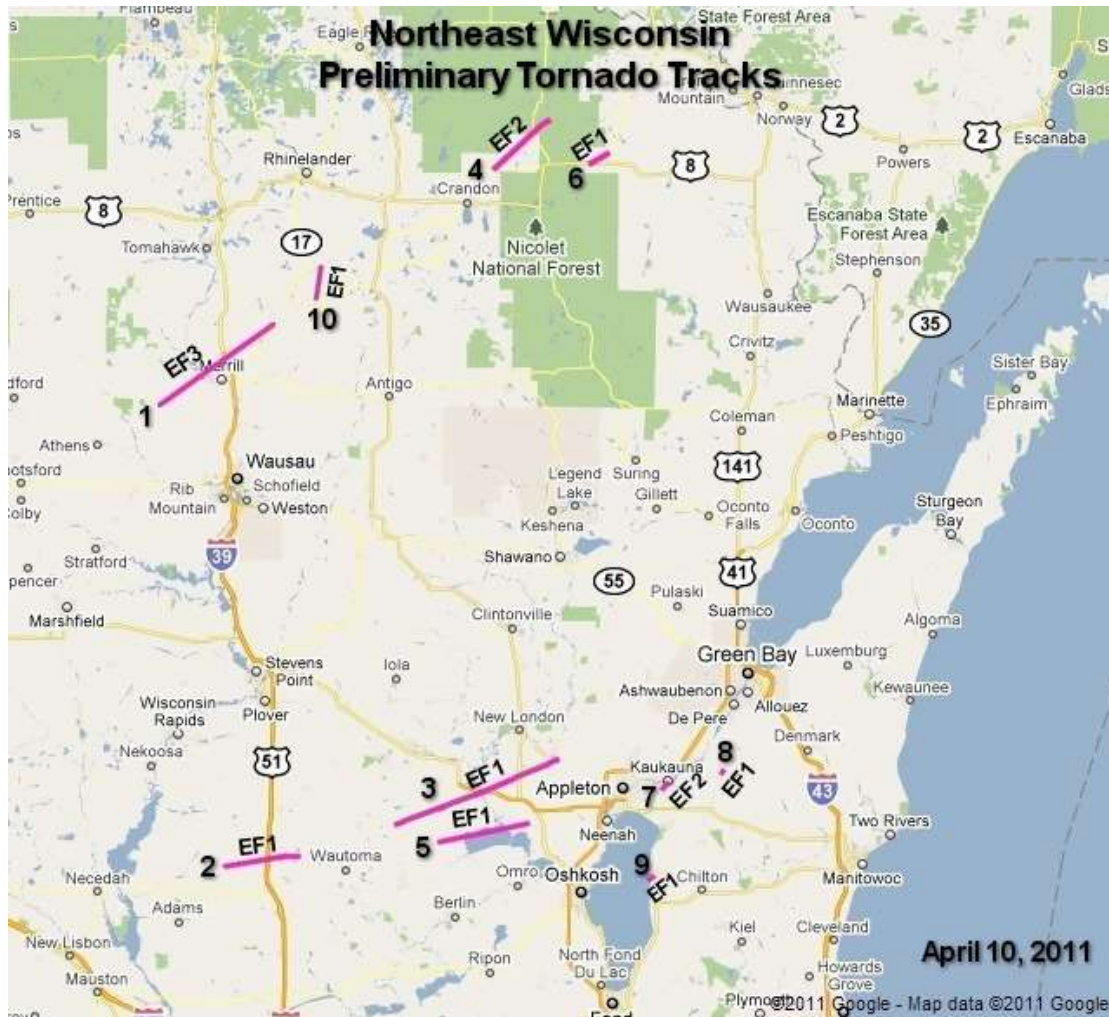
Event 23: August 20, 2010

The EF1 tornado touched down 2 miles southeast of Greenleaf at 3:20 PM CST. The tornado traveled just over 1.25 miles and was 75 yards wide before dissipating 2.7 ESE of Greenleaf at 3:22 PM CST. When the tornado initially touched down, several trees were snapped and uprooted. The tornado then destroyed a relatively new barn constructed of metal wall panels and roof. Pieces of the roof and wall were strewn over 100 yards from the site. About 50 to 100 yards on either side of the damaged barn small outbuildings and trees were untouched. The tornado continued east-northeast to another farm and heavily damaged a metal building which contained hay bales. Large parts of the metal roof were thrown over 200 yards. Numerous trees along the patch were snapped or uprooted. Estimated maximum winds were 90 mph. The tornado dissipated just north of the Holland State Wildlife Area.

TORNADO / WATERSPOUT REFERENCE GUIDE – BROWN COUNTY

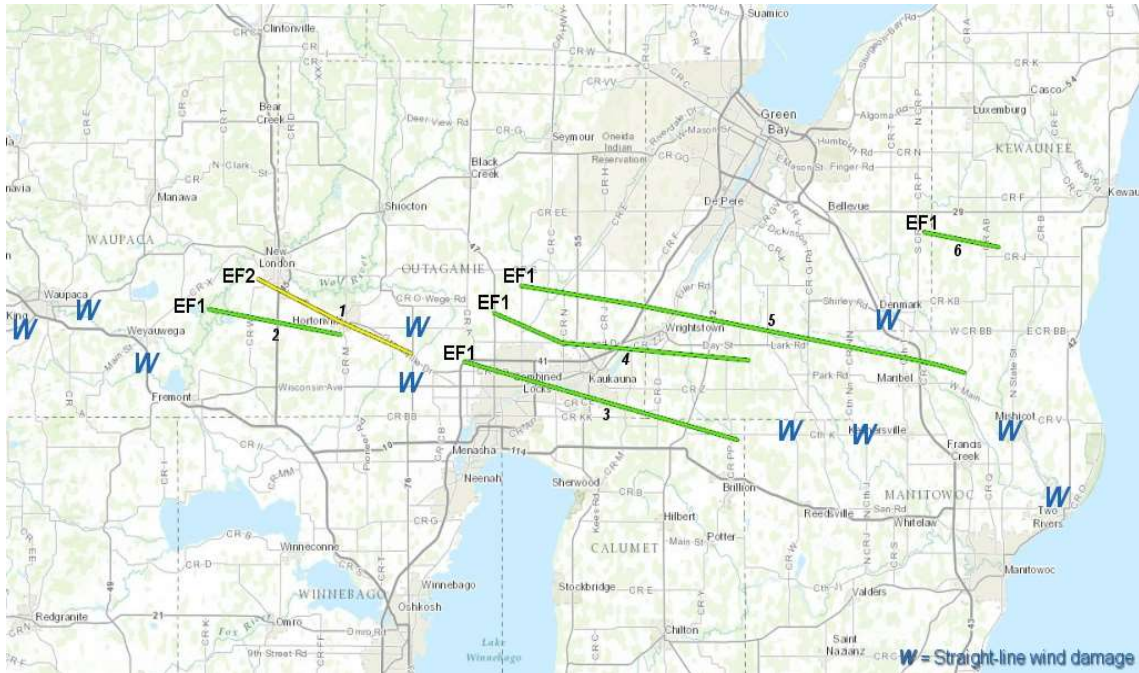
Event 24: April 10, 2011

The brief EF1 tornado touched down about a mile and a half south of Greenleaf. The tornado damaged the tops of two silos and then ripped the roof off a barn. Average width of the tornado was 75 yards.



TORNADO / WATERSPOUT REFERENCE GUIDE – BROWN COUNTY

Rare Late Evening / Early Morning Tornadoes on August 6-7, 2013



Event 25: August 6, 2013

The third of six late night tornadoes to strike Northeast Wisconsin on this date, the EF1 tornado touched down four tenths of a mile west of Mackville in Outagamie County at 11:38 PM CST. The tornado was traveling at a rate of 60 to 70 mph. The tornado caused a barn to collapse, and heavily damaged a boat showroom in Little Chute. Another barn lost part of its roof northwest of Kaukauna. Damage to trees was sporadic as it moved through Outagamie County. The maximum width of the tornado in Outagamie County 175 yards, with an average width of one hundred yards. The tornado moved into southern Brown County, about two miles southwest of Wrightstown around 11:48 PM CST. In Brown County, the tornado uprooted or snapped dozens of trees as it moved east, just south of Greenleaf. A house lost an attached garage when winds blew in the garage door and caused a large portion of the garage roof to lift off. The walls of a nearby building collapsed. The maximum width of the tornado in Brown County was 175 yards and average width was 125 yards. The tornado traveled 19.2 miles before dissipating 2.7 miles west of Morrison at 23:53 PM CST.

Event 26: August 6, 2013

The fourth of six late night tornadoes to strike Northeast Wisconsin on this date, the EF1 tornado touched down three and a half miles east of Greenville in Outagamie County at 11:38 PM CST. The tornado was traveling at a rate of 60 to 70 mph as it moved across northern portions of Appleton, Kimberly, and Kaukauna. The tornado caused some roof damage to the Northland Mall and caused roof and window damage to two small retail buildings. The storm then knocked over four wood electrical poles and uprooted or heavily damaged hundreds of trees in a nearby neighborhood. Although houses in the area sustained relatively minor wind directly, fallen trees caused considerable collateral damage to roofs, siding and vehicles. The maximum width of the tornado in Outagamie County was 150 yards, with an average width of 125 yards. The EF1 tornado entered Brown County a little over a mile west of Holland around 11:49 PM CST. A few trees were knocked over by the tornado. The average path width in Brown County was 150 yards. An EF1 tornado moved into Calumet County 1.6 miles northwest of Forest Junction around 11:50 PM CST. In Calumet County, the tornado damaged about three dozen trees. Two metal truss towers collapsed under the weight of several high voltage power lines which were likely moving in unison as their resonance frequency was reached. Engineers inspected the damaged estimated winds around 100 mph. The maximum width in Calumet County was 175 yards with an average width of 125 yards. The tornado traveled 20.7 miles before dissipating a little over two and a half miles north northeast of Brillion around 11:52 PM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – BROWN COUNTY

Event 27: August 6, 2013

The fifth of six late night tornadoes to strike Northeast Wisconsin on this date, the EF1 tornado touched down 2.7 miles east northeast of Mackville in Outagamie County at 11:40 PM CST. The tornado was traveling at a rate of 60 to 70 mph as it moved across the Fox Valley. The tornado caused significant damage to several outbuildings and barns and flattened sections of mature corn fields. The roof of a power substation was damaged. The maximum path width was 200 yards, with an average width of 150 yards. The tornado now an EF0 moved into Brown County just under two miles northwest of Wrightstown near Highway 41 around 11:48 PM CST. The tornado first hit the Apple Creek Campground, snapping fifty trees, and knocking over two camping trailers. As the tornado moved across southern Brown County, at least seventy homes sustained at least minor damage, many from fallen trees. A large free-standing garage was heavily damaged when the tornadic winds blew in two garage doors, causing the roof to be ripped off. The maximum width of the tornado in Brown County was 250 yards, with an average width of 175 yards. The tornado moved into Manitowoc County 4.1 miles northwest of Rosencrans around 12:01 AM CST. The tornado strengthened to an EF1 in Manitowoc County. The tornado damaged several outbuildings and a roof of a barn. A 110-year-old stone structure at the Maribel Caves County Park was knocked over by the strong winds. The damage survey revealed the tornado ended a couple miles east of Maribel, but straight-line wind damaged continued into the east part of the county. The tornado in Manitowoc County has a maximum width of 250 yards and average width of 125 yards. The tornado traveled thirty-three miles across three counties before dissipating.

Event 28: August 7, 2013

The last tornado of the night to strike Northeast Wisconsin on this date, the EF1 tornado touched down a half mile south southeast of Henrysville in Brown County around 12:05 AM CST. The tornado was traveling at a rate of 60 to 70 mph as it moved across the region. A couple dozen trees were damaged or uprooted. In Brown County, the maximum width of the tornado was one hundred yards with an average width of seventy-five yards. An EF1 tornado moved into Kewaunee County about three miles southwest of Pilsen around 12:06 AM CST. The tornado caused the walls and roof of a barn to collapse and damaged two silos. The tornado also uprooted several dozen trees along its path. In Kewaunee County, the maximum width of the tornado was 100 yards with an average width of seventy-five yards. The tornado traveled 5.6 miles before dissipating one mile northeast of Stangelville around 12:10 AM CST.

Event 29: June 15, 2015

The weak EF0 tornado touched down at 2:31 PM CST a mile and a half north-northwest of Glenmore in Brown County. The tornado traveled just over a quarter of a mile and was 25 yards wide before the tornado dissipated 1.4 miles north-northwest of Glenmore. A swing set was toppled, and a small metal shed was pushed twenty feet.

Event 30: June 14, 2017

The EF0 tornado touched down about a mile southwest of Morrison in Brown County around 2:53 PM CST. The tornado caused minor tree damage. The tornado was 50 yards wide and traveled 1.2 miles before dissipating in Morrison around 2:55 PM CST.

Event 31: August 7, 2019

The EF0 tornado touched down around 4:48 PM CST just over two miles southeast of downtown Green Bay in Brown County. Three power poles sustained damage and a business sign was heavily damaged in Green Bay. The tornado continued southeast and damaged at least 100 trees along the path. A poorly constructed carport lost part of its metal roof at an apartment building and a nearby house lost a couple of shingles. The tornado was 90 yards wide and traveled just over six miles before dissipating around 4:57 PM CST nearly two miles north of Pine Grove.

Event 32: August 11, 2021

The EF0 tornado touched down at 1:14 PM CST nearly one mile northwest of Pulaski in Brown County. The tornado moved east across the north side of Pulaski then dissipated about a mile and a half east of Pulaski around 1:22 PM CST. The tornado damaged trees. The total path length was estimated to be near 2.3 miles long with a maximum width of 75 yards. Peak winds were estimated around 70 mph.

TORNADO / WATERSPOUT REFERENCE GUIDE – CALUMET COUNTY

Event	Date			Time		F/EF	Width	Path
#	Month	Day	Year	(CST)	Direction / Location	Rank	(Yards)	(Miles)
1	6	20	1954	04:00	Brothertown	2	33	1.0
2	5	8	1964	18:30-19:06	Winneconne-Wrightstown	2	65	14.0
3	7	8	1965	17:00	Lake Winnebago - 1 N Sherwood	2	100	3.0
4	6	30	1967	23:49-23:59	Chilton - 7 E Chilton	2	100	6.0
5	7	2	1967	14:00	Brillion	1	35	1.0
6	4	22	1971	17:30	4 SW Hilbert	0	25	0.3
7	3	11	1973	10:30	2 E Calumetville	1	50	2.0
8	8	9	1979	18:20	Rockland Beach	2	50	1.0
9	4	4	1981	00:35	4 W Kiel	2	25	0.1
10	7	19	1983	19:25	Stockbridge Harbor	1	100	2.0
11	5	24	1989	21:05	4 WNW Chilton	1	50	0.3
12	6	11	1996	16:08-16:09	5 NW Chilton	0	30	0.1
13	7	18	1996	18:05-18:07	1.1 S - 1.6 SE Jericho	1	100	1.5
14	7	18	1996	18:10	5.9 S Chilton	0	25	0.1
15	7	18	1996	18:15-18:16	2.2 WNW - 1.8 W St Anna	0	50	0.5
16	5	31	1998	01:20-01:24	0.5 N Stockbridge - 2 NE Stockbridge	1	75	1.4
17	6	8	2003	12:42-12:46	4.3 W - 4.1 WSW Brothertown	0	40	0.4
18	8	3	2003	13:59-14:03	0.3 W - 0.2 ENE Potter	1	75	0.4
19	5	6	2005	15:25-15:29	5 WSW - 3.7 SW Brothertown	0	50	1.7
20	6	9	2005	18:14	4 NW Stockbridge	0	25	0.1
21	6	24	2006	16:14-16:15	4 W Sherwood	0	10	0.1
22	4	10	2011	19:59-20:01	1.6 NW Quinney - 1.5 SSE Stockbridge	1	100	1.7
23	8	23	2011	20:05-20:06	0.8 ENE - 1.3 E Sherwood	0	100	0.5
24	8	6	2013	23:38-23:52	3.5 E Greenville - 2.6 NNE Brillion	1	175	20.7
25	8	7	2013	00:00-00:15	0.5 SSE Henrysville - 1 NE Stangelville	1	100	5.6
26	6	15	2016	17:47-17:49	3.3 WSW Harrison - 2.6 NW Stockbridge	0	25	0.7

TORNADO / WATERSPOUT REFERENCE GUIDE – CALUMET COUNTY

Event 1: June 20, 1954

The F2 tornado developed around 4 AM CST in Brothertown. The tornado traveled one mile and had a maximum width of less than 50 yards.

Event 2: May 8, 1964

Another long tracked F2 tornado was noted across northeast Wisconsin. The tornado developed near Winneconne in Winnebago County around 6:30 PM CST. The tornado traveled northeast across Menasha, striking the John Strange Paper Company. The tornado continued into Neenah, near the Fox Point Shopping Center. The Fox Point Shopping Center suffered extensive damage where windows were blown in, and sections of the roof were blown off. The tornado continued into the southeast corner of Appleton near the Calumet Street power substation. The tornado finally dissipated in Wrightstown around 7:06 PM. At least ten barns were destroyed near Kaukauna.

Event 3: July 8, 1965

The F2 tornado touched down one mile west of Sherwood and traveled approximately 3 miles to the northeast before dissipating one mile north of Sherwood around 5 PM CST. The tornado was 100 yards wide. The twister, striking in a narrow path northeast from High Cliff Park broke trees, power lines and telephone poles, and leveled a barn at the farm of Mrs. Anna Goaz at Route 1 in Menasha. Several other farm properties were damaged. Two teenage girls received multiple cuts and bruises when they were picked up by the twister and thrown down on a road in the High Cliff Beach area.

Event 4: June 30, 1967

The F2 tornado struck Chilton around 11:49 PM CST. The tornado then traveled to 7 miles east of Chilton before dissipating around 11:59 PM CST. The maximum width of the tornado was 100 yards. The city of Chilton took the brunt of the damage. At least five buildings were destroyed beyond repair. A trailer home tumbled end over end across a lot and a good share of trees were torn up.

Event 5: July 2, 1967

The city of Brillion was struck by the F1 tornado around 2 PM CST. The local storm report indicated a touchdown in the city of Brillion. The tornado was 35 yards wide and traveled a mile before dissipating.

Event 6: April 22, 1971

The F0 tornado touched down briefly 4 miles southwest of Hilbert around 5:30 PM CST. The tornado was 25 yards wide and traveled three tenths of a mile.

Event 7: March 11, 1973

The early season F1 tornado struck two miles east of Calumetville around 10:30 AM CST. The tornado was 50 yards wide and traveled two miles before dissipating.

Event 8: August 9, 1979

The F2 tornado touched down near Rockland Beach around 6:20 PM CST. The strong tornado only traveled about a mile and was fifty yards wide. One death was attributed to the tornado. A Rockland Beach woman died after the winds demolished the family home. She was crushed as the family's first floor fireplace fell into the basement. The husband and three children were not hurt.

Event 9: April 4, 1981

The brief F2 tornado touched down around 12:35 AM CST 4 miles west of Kiel. The tornado was only 25 yards wide and traveled about a quarter of a mile. Six trailers in a line in the Country Aire Trailer Court were destroyed. One trailer was lifted into the air and deposited upside down.

TORNADO / WATERSPOUT REFERENCE GUIDE – CALUMET COUNTY

Event 10: July 19, 1983

The F1 tornado touched down at Stockbridge Harbor around 7:25 PM CST. The tornado smashed a shed roof and damaged two homes near Lake Shore Drive. The tornado turned east southeast damaging two garages and one barn on Military Road and then Hickory Hill Road where the roof of a mobile home was destroyed. The tornado was 100 yards wide and traveled 2 miles before dissipating.

Event 11: May 24, 1989

The F1 tornado touched down 4 miles west northwest of Chilton around 9:05 PM CST. The tornado was 50 yards wide and was on the ground for a quarter of a mile.

Event 12: June 11, 1996

The F0 tornado briefly touched down 5 miles northwest of Chilton near the intersection of County Trunk BB and Killsnake Road around 4:08 PM CST. The tornado was 30 yards wide and was on the ground for a tenth of a mile before dissipating around 4:09 PM CST. The tornado threw a pile of lumber 30 feet in the air, tore shingles off a shed and broke a window.

Event 13: July 18, 1996

The F1 tornado touched down 1.1 miles south of Jericho around 6:05 PM CST. The tornado was 100 yards wide and was on the ground a mile and a half before it dissipated 1.6 miles southeast of Jericho at 6:07 PM CST.

Event 14: July 18, 1996

The F0 developed 5.9 miles south of Chilton around 6:10 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado moved over a squad car, violently shaking it about. The tornado flattened portions of two nearby wheat fields.

Event 15: July 18, 1996

The F0 tornado developed 2.2 miles west northwest of St. Anna around 6:15 PM CST. The tornado was 50 yards wide and traveled a half mile before dissipating 1.8 miles west of St. Anna around 6:16 PM CST. The tornado damaged one farm, numerous trees, and some crops. Calf houses at the farm were thrown 1,000 feet. The tornado entered Fond Du Lac County 1.6 miles southeast of Jericho and then reentered Calumet County 2.2 miles west north of St. Anna.

Event 16: May 31, 1998

The F1 tornado developed a half mile north of Stockbridge around 1:20 AM CST. The tornado was 75 yards wide and traveled 1.4 miles before dissipating 2 miles northeast of Stockbridge around 1:24 AM CST. The tornado destroyed a garage and silo, damaged two barns and overturned farm vehicles. A 2-by-4 was driven through the exterior wall of a house, narrowly missing one of the sleeping children.

Event 17: June 8, 2003

The F0 waterspout was reported 4.3 miles west of Brothertown at 12:42 PM CST. The waterspout was 40 yards wide and traveled four tenths of a mile before dissipating 4.1 miles west southwest of Brothertown at 12:46 PM CST.

Event 18: August 3, 2003

The F1 tornado touched down three tenths of a mile west of Potter around 1:59 PM CST. The tornado was 75 yards wide and was on the ground for nearly a half mile before dissipating two tenths of a mile east northeast of Potter around 2:03 PM CST. The tornado damaged several houses, outbuildings, and trees around Potter.

Event 19: May 6, 2005

The F0 waterspout touched down 5 miles west southwest of Brothertown at 3:25 PM CST. The waterspout was 50 yards wide and was on the water for over a mile and a half before dissipating 3.7 miles southwest of Brothertown at 3:29 PM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – CALUMET COUNTY

Event 20: June 9, 2005

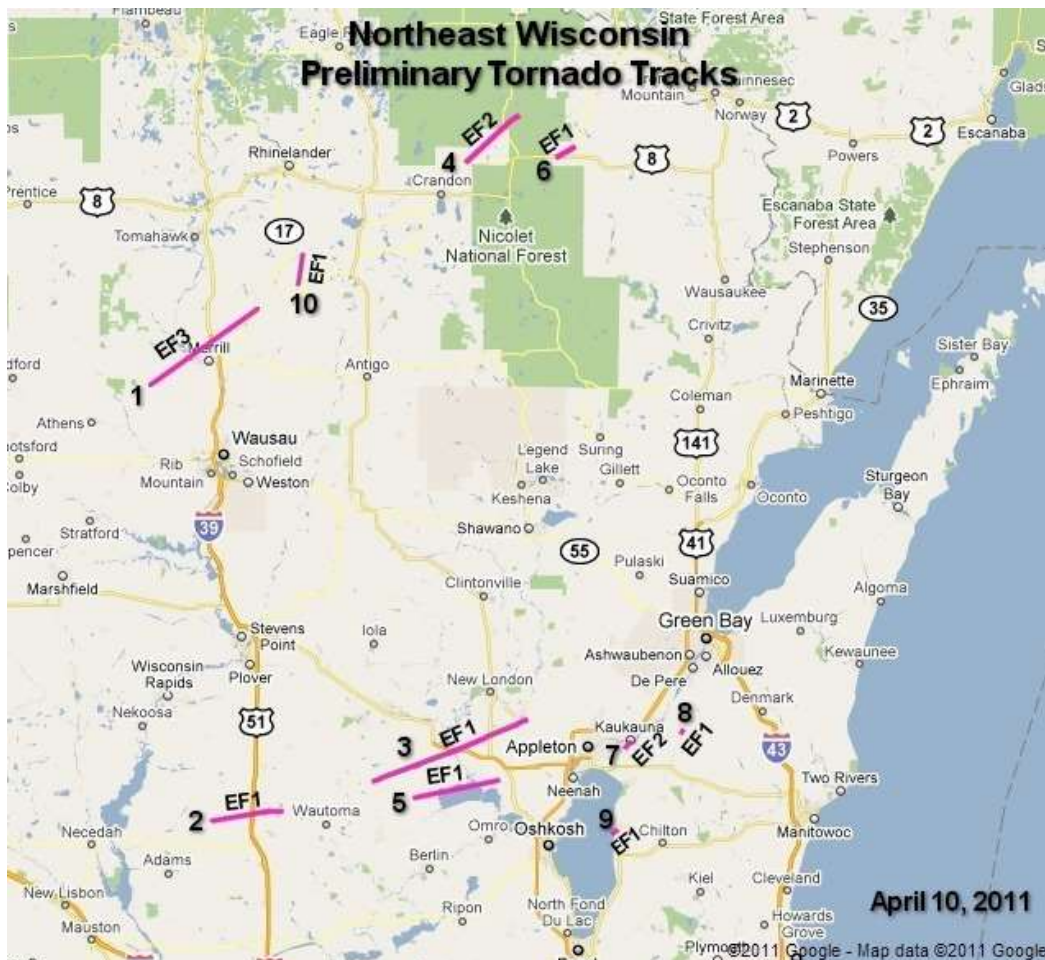
The F0 waterspout touched down 4 miles northwest of Stockbridge on Lake Winnebago in Calumet County at 6:14 PM CST. The waterspout was 25 yards wide and was on the water for a tenth of a mile.

Event 21: June 24, 2006

The F0 waterspout was reported 4 miles west of Sherwood on Lake Winnebago in Calumet County at 4:14 PM CST. The waterspout remained nearly stationary for a minute before dissipating.

Event 22: April 10, 2011

The brief EF1 tornado moved off Lake Winnebago and onshore south of Stockbridge just before 8 PM CST. The waterspout was seen, as it moved onshore damaging two homes. A three-season room on one of the houses was ripped off the structure. The tornado moved northeast and tore a section off the roof of a large outbuilding. The tops of trees were snapped in two areas along the path of the tornado. The average width of the tornado was 75 yards.



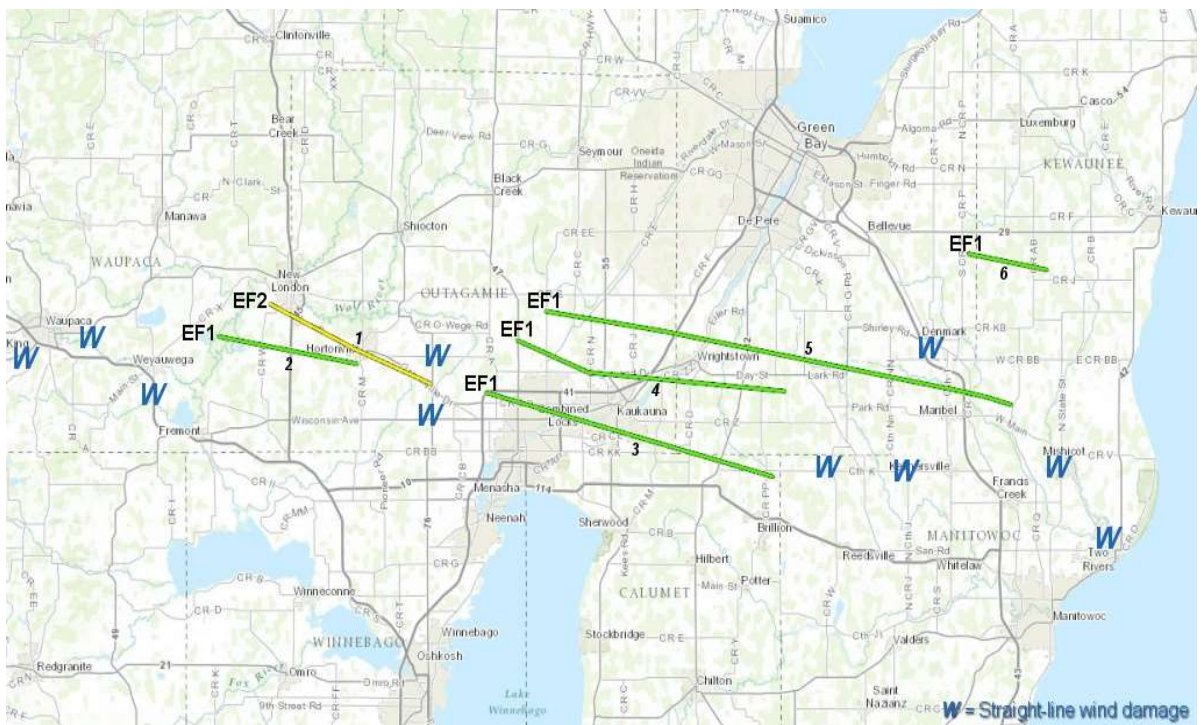
TORNADO / WATERSPOUT REFERENCE GUIDE – CALUMET COUNTY

Event 23: August 23, 2011

The EF0 tornado touched down less than a mile northeast of Sherwood at 8:05 PM CST. The EF0 tornado toppled two trees that damaged the roof of a house and snapped or uprooted six pine trees near Highway M. The tornado continued east-southeast moving over a swamp. Swirl marks were seen in the thick swamp grass. The tornado then hit a farm on Kesler Road. Two old barns were heavily damaged. Peak winds were estimated at 85 mph with an average width of 75 yards.

Event 24: August 6, 2013

The fourth of six late night tornadoes to strike Northeast Wisconsin on this date, the EF1 tornado touched down three and a half miles east of Greenville in Outagamie County at 11:38 PM CST. The tornado was traveling at a rate of 60 to 70 mph as it moved across northern portions of Appleton, Kimberly, and Kaukauna. The tornado caused some roof damage to the Northland Mall and caused roof and window damage to two small retail buildings. The storm then knocked over four wood electrical poles and uprooted or heavily damaged hundreds of trees in a nearby neighborhood. Although houses in the area sustained relatively minor wind directly, fallen trees caused considerable collateral damage to roofs, siding and vehicles. The maximum width of the tornado in Outagamie County was 150 yards, with an average width of 125 yards. The EF1 tornado entered Brown County a little over a mile west of Holland around 11:49 PM CST. A few trees were knocked over by the tornado. The average path width in Brown County was 150 yards. An EF1 tornado moved into Calumet County 1.6 miles northwest of Forest Junction around 11:50 PM CST. In Calumet County, the tornado damaged about three dozen trees. Two metal truss towers collapsed under the weight of several high voltage power lines which were likely moving in unison as their resonance frequency was reached. Engineers inspected the damaged estimated winds around 100 mph. The maximum width in Calumet County was 175 yards with an average width of 125 yards. The tornado traveled 20.7 miles before dissipating a little over two and a half miles north northeast of Brillion around 11:52 PM CST.



TORNADO / WATERSPOUT REFERENCE GUIDE – CALUMET COUNTY

Event 25: August 7, 2013

The last tornado of the night to strike Northeast Wisconsin on this date, the EF1 tornado touched down a half mile south southeast of Henrysville in Brown County around 12:05 AM CST. The tornado was traveling at a rate of 60 to 70 mph as it moved across the region. A couple dozen trees were damaged or uprooted. In Brown County, the maximum width of the tornado was one hundred yards with an average width of seventy-five yards. An EF1 tornado moved into Kewaunee County about three miles southwest of Pilsen around 12:06 AM CST. The tornado caused the walls and roof of a barn to collapse and damaged two silos. The tornado also uprooted several dozen trees along its path. In Kewaunee County, the maximum width of the tornado was 100 yards with an average width of seventy-five yards. The tornado traveled 5.6 miles before dissipating one mile northeast of Stangelville around 12:10 AM CST.

Event 26: June 15, 2016

The EF0 tornado (waterspout) touched down on the eastern shores of Lake Winnebago in Calumet County at 5:47 PM CST. The waterspout was 25 yards wide and traveled nearly seven tenths of a mile to the southeast before dissipating at 5:49 PM CST. No damage was noted.

TORNADO / WATERSPOUT REFERENCE GUIDE – DOOR COUNTY

Event	Date			Time		F/EF	Width	Path
#	Month	Day	Year	(CST)	Direction / Location	Rank	(Yards)	(Miles)
1	7	1	1956	12:05	5 E of Maplewood - 4 SE Institute	2	50	11.0
2	7	25	1966	18:20	0.5 E Maplewood	0	20	2.0
3	4	22	1970	21:00-21:10	1 N Casco - Rio Creek	2	500	2.0
4	4	22	1970	21:20-21:30	7 SE Maplewood	2	500	4.0
5	7	12	1973	07:30	Jacksonport	1	100	3.0
6	6	8	1985	20:00-20:30	Sand Bay - Sturgeon Bay	2	150	5.0
7	7	28	1991	10:15	Near Rock Island (waterspout)	0	N/A	N/A
8	7	28	1991	10:15	Near Washington Island (waterspout)	0	N/A	N/A
9	8	23	1998	17:30-17:44	3 SW Egg Harbor - 5 SE Egg Harbor	3	1300	5.1
10	8	4	1999	16:05-16:15	21 ESE Sturgeon Bay (waterspout)	0	N/A	N/A
11	9	9	1999	14:55	3 N Sister Bay (waterspout)	0	N/A	N/A
12	9	19	1999	16:46-17:10	8 SE Sturgeon Bay (waterspout)	0	N/A	N/A
13	7	13	2000	14:55	1.5 NE Forestville	0	50	0.1
14	7	20	2000	12:58	2 W Sister Bay (waterspout)	0	N/A	N/A
15	4	23	2001	13:26-13:46	12 NW - 9 NW Sturgeon Bay (waterspout)	0	N/A	N/A
16	6	18	2006	16:43	3 NW Sister Bay	0	N/A	N/A
17	9	29	2006	09:20-09:55	Chambers Is. - 12 SE Cedar River (waterspout)	0	N/A	N/A
18	6	20	2007	16:06	6 NW Ellison Bay (waterspout)	0	N/A	N/A
19	9	18	2012	17:01	3 W Sister Bay (waterspout)	0	N/A	N/A
20	10	15	2019	13:00	Deaths Door (Waterspout)	0	N/A	N/A

TORNADO / WATERSPOUT REFERENCE GUIDE – DOOR COUNTY

Event 1: July 1, 1956

The F2 tornado developed 5 miles east of Maplewood and traveled 11 miles to four miles southeast of Institute around 12:05 PM CST. The tornado had a maximum width of 50 yards.

Event 2: July 25, 1966:

The F0 tornado touched down about a half mile east of Maplewood around 6:20 PM CST. The tornado was 20 yards wide and traveled approximately two miles. An interesting note to the local storm report from July 1966 indicated a strong waterspout was noted over the Bay of Green Bay. According to the local storm report, a waterspout lifted several boats out of the water dropping one on a car at Ephraim. It also dropped twelve large trees down at Gordon Lodge. This tornado/waterspout was not documented in this study.

Event 3: April 22, 1970

Several tornadoes were reported across north-central and northeast Wisconsin on this date. The F2 tornado touched down around 9 PM CST one mile north of Casco in Kewaunee County. The tornado moved northeast for 11 miles before dissipating near Rio Creek in southern Door County around 9:10 PM CST. The tornado reached a maximum width of 500 yards. Fifteen barns near Casco and Rio Creek were destroyed. Two persons were injured when their house trailer was upended south of Forestville. Meanwhile, snow was occurring across northwest Wisconsin. Superior reported six inches of snow on the ground during the evening of the 22nd.

Event 4: April 22, 1970

Several tornadoes were reported across north central and northeast Wisconsin on this date. The F2 tornado touched down around 9:20 PM CST seven miles southeast of Maplewood. This may be the same tornado that tore through eastern Kewaunee County from Algoma to 6 miles northeast of Algoma. The tornado traveled about four miles and reached 500 yards in width in Door County before dissipating.

Event 5: July 12, 1973

The F1 tornado touched down in Jacksonport in Door County around 7:30 AM CST. The tornado was 100 yards wide and traveled 3 miles. Scattered damage was reported west and south of Jacksonport. As many as six waterspouts were reported by one observer off Jacksonport. A seiche caused a drop of two feet in water level locally about fifteen minutes after passage of the storms.

Event 6: June 8, 1985

The F2 tornado touched down around 8 PM CST near Sand Bay, causing some building damage. The tornado skipped east 5 miles across portions of Sturgeon Bay. The tornado was 150 yards wide. Garages, sheds and ten barns were leveled or blown away. Yachts were blown off cradles and hundreds of trees were downed. Property damage was estimated at \$1.8 million dollars. Hail up to five inches in diameter covered the ground to a depth of six inches just northeast of Sturgeon Bay. The storm caused an estimated \$1.5 million dollars in crop damage.

Event 7: July 28, 1991

The F0 waterspout was reported near Rock Island at 10:15 AM CST. A second waterspout was reported near Washington Island.

Event 8: July 28, 1991

The F0 waterspout was reported near Washington Island around 10:15 AM CST. A second waterspout was reported near Rock Island around the same time.

TORNADO / WATERSPOUT REFERENCE GUIDE – DOOR COUNTY

Event 9: August 23, 1998

The F3 tornado struck a rural section of central Door County in Northeast Wisconsin during the evening of August 23, 1998. The multiple-vortex tornado was on the ground for nearly 14 minutes and carved a path of damage 5.1 miles long and 1/4 to over 1/2 mile wide at times. Damage was estimated at nearly \$7 million. The tornado, which moved off the waters of Green Bay, moved on shore three miles southwest of Egg Harbor at 5:30 PM CST, near Horseshoe Bay. Thousands of trees were snapped or uprooted as the tornado moved across the heavily wooded area in Murphy Park. The width of the damage path just after it came on shore was nearly one-half mile! The tornado then crossed Highway 42 at about 5:34 PM CST, severely damaging several houses and businesses. Damage in this area was rated F2 on the Fujita Scale of F0 to F5. About three minutes later the tornado ripped a two-story farmhouse off its foundation, dropping it 20 yards away. Based on the house's construction, damage in this area was rated F3. Nearby, a campground was hit, causing considerable damage there to trees and campers. Amazingly, only two people were injured. The tornado weakened shortly thereafter, lifting off the ground three miles west-northwest of Jacksonport at around 5:44 PM CST.



AUGUST 23, 1998 DOOR COUNTY F3 TORNADO

This photo was taken about the time the super cell thunderstorm was entering the Bay of Green Bay, off the Menominee, Michigan coast around 5:05 PM CST. The picture was taken 75 miles south of the storm. (Photograph © 1998 Michael Schardt)



This picture was taken around 5:15 PM CST, about the time the supercell was producing a waterspout on the bay. The picture was taken 25 miles south of the storm. (Photograph © 1998 Ray Fulwiler)



These photos were taken by Tom Janssen II at Murphy Park, which was hit by the tornado. The two on the left show the waterspout just after it developed, around 5:15 PM CST. The third picture was taken a little after 5:20 PM CST. The tornado was off the Door county shore over the Bay of Green Bay.

TORNADO / WATERSPOUT REFERENCE GUIDE – DOOR COUNTY

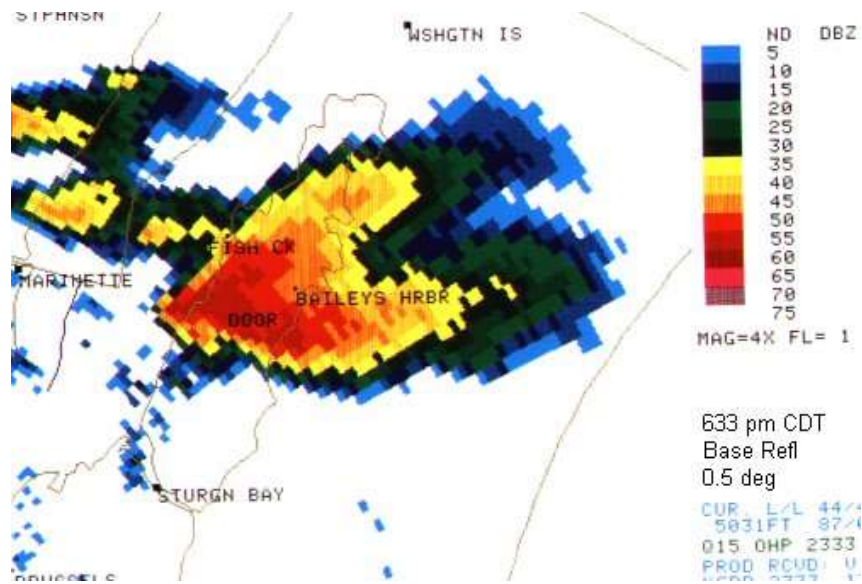
Event 9: August 23, 1998 Continued



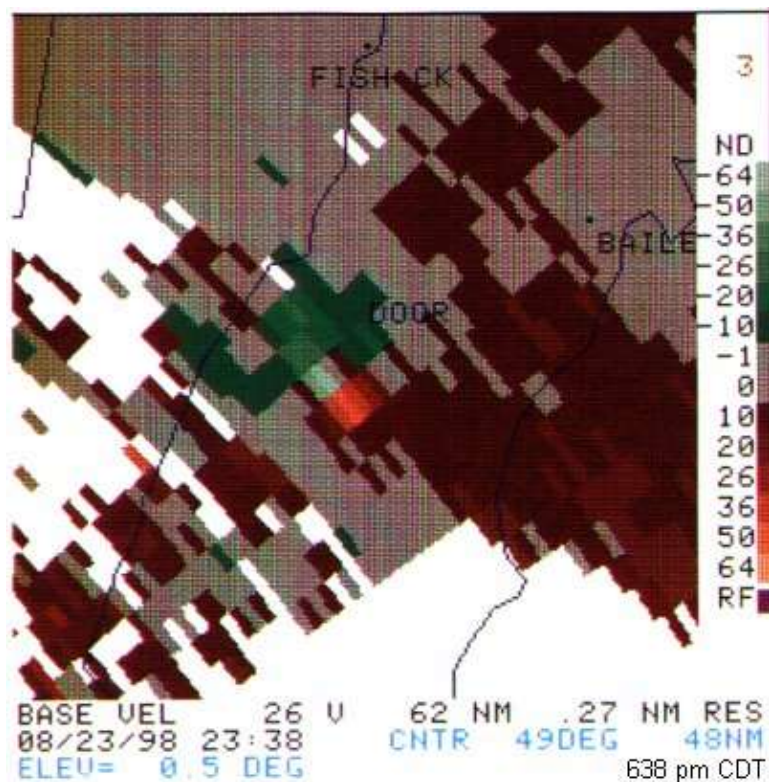
These pictures were taken by Gary Gridley, from Egg Harbor. The photo on the left was taken at 5:25 PM CST. The picture on the right was taken around 5:30 PM CST, as the tornado was coming onshore at Murphy Park.

TORNADO / WATERSPOUT REFERENCE GUIDE – DOOR COUNTY

Event 9: August 23, 1998 Continued



This image shows the supercell thunderstorm as viewed by the radar. The image was taken at 5:33 PM CST.



The second image shows the tornado vortex signature 9 minutes later (5:38 PM CST) near the time it was producing F3 damage. At this point, the radar measured 94 knot (108 mph) winds (ground relative) at about 4,100 feet above the ground.

TORNADO / WATERSPOUT REFERENCE GUIDE – DOOR COUNTY

Door County Tornado Damage

Event 9: August 23, 1998 Continued



Here is a panoramic view looking east on Hwy 42. The damage width (which goes off the picture on both sides) was over ¼ mile wide as it passed over Hwy 42. (Photograph by Jeff Last)



This building (left picture) was on the south side of the tornado as it passed over Hwy 42 (Photograph by Jill Last, NWS Green Bay). There used to be a farmhouse and barn here (picture on right).

TORNADO / WATERSPOUT REFERENCE GUIDE – DOOR COUNTY

Event 10: August 4, 1999

The F0 waterspout was reported by a vessel on the lake 21 miles east southeast of Sturgeon Bay at 4:05 PM CST. The crew of the vessel observed two other waterspouts about 21 miles east southeast of Sturgeon Bay. The U.S. Coast Guard relayed the report they received from the vessel on the lake.

Event 11: September 9, 1999

The F0 waterspout was reported 3 miles north of Sister Bay at 2:55 PM CST.

Event 12: September 19, 1999

The crew of a ship off the Door County shoreline, 8 miles southeast of Sturgeon Bay, spotted the F0 waterspout at 4:46 PM CST and then dissipated around 5:10 PM CST. There may have been other waterspouts in the vicinity of the one reported.

Event 13: July 13, 2000

The F0 tornado touched down 1.5 miles northeast of Forestville at 2:55 PM CST. The tornado was 50 yards wide and was on the ground for a tenth of a mile. The monthly local storm report did not indicate any damage.

Event 14: July 20, 2000:

Boaters spotted the F0 waterspout two miles west of Sister Bay at 12:58 PM CST.

Event 15: April 23, 2001

The F0 waterspout developed 6 miles west southwest of Fairland around 1:26 PM CST. The waterspout moved north along the shoreline before it dissipated 9 miles northwest of Sturgeon Bay.

Event 16: June 18, 2006

The F0 waterspout was reported 3 miles northwest of Sister Bay at 4:43 PM CST.

Event 17: September 29, 2006

The F0 waterspout was reported off Door County, from Chambers Island to 12 miles southeast of Cedar River, Michigan around 9:20 AM CST. The last report of the waterspout was around 9:55 AM CST.

Event 18: June 20, 2007

The EF0 waterspout was reported 6 miles northwest of Ellison Bay at 4:06 PM CST.

Event 19: September 18, 2012

The brief EF0 waterspout was observed on the waters of the Bay of Green Bay three miles west of Sister Bay around 5:01 PM CST. The time of the event was estimated based on the time of 911 calls. A strong upper-level trough and cold air aloft produced conditions favorable for waterspout formation on the waters of Green Bay.

Event 20: July 20, 2019

The EF0 waterspout was observed around 1 PM CST by the Washington Island Coop observer near Deaths Door.

TORNADO / WATERSPOUT REFERENCE GUIDE – FLORENCE COUNTY

Event	Date			Time		F/EF	Width	Path
#	Month	Day	Year	(CST)	Direction / Location	Rank	(Yards)	(Miles)
1	6	14	1957	17:30	Florence	1	100	8.0
2	9	30	2002	18:10-18:11	5.5 SSE - 5.5 SE Spread Eagle	1	400	0.7
3	4	10	2011	18:30-18:46	3 SE Argonne - 6 SSE Long Lake	0	100	12.1
4	8	9	2020	2012:20:22	4.3 E Alvin - 5 S Caspian, MI	1	250	4.6
5	7	27	2023	18:22-18:26	18.1 – 17.0 WSW Long Lake	0	90	1.7

Event 1: June 14, 1957

The F1 tornado touched down at Florence around 5:30 PM CST. The tornado traveled approximately 8 miles and reached a maximum width of 100 yards before dissipating.

Event 2: September 30, 2002

The F1 tornado touched down five and a half miles south southeast of Spread Eagle around 6:10 PM CST. The tornado was 400 yards wide and traveled seven tenths of a mile before dissipating five and a half miles southeast of Spread Eagle around 6:11 PM CST. The tornado destroyed a pole barn, a garage that was under construction and 6 to 10 outbuildings. 150 to 250 trees and power lines were downed, causing numerous power outages. The tornado tracked east-northeast across the Menominee River into upper Michigan where it continued to do damage.

Event 3: April 10, 2011

The EF2 tornado developed 3.5 miles southeast of Argonne and moved northeast across Forest County. The tornado uprooted and snapped hundreds of trees, some of which fell on vacation cabins along the path of the tornado. The hardest hit area was several miles east Argonne shortly after the tornado developed. A large part of the roof of a house was removed. The tornado continued northeast in Florence County 6:46 PM CST. The average width of the tornado was 250 yards in Forest County. In Florence County, several large tree branches were broken before the tornado dissipated. The average path width of the tornado in Florence County was 75 yards.



Event 4: August 9, 2020

The EF1 tornado touched down 4.3 miles east of Alvin in Forest County around 8:12 PM CST. The tornado damaged trees in the remote forest areas east of Alvin in extreme northeast Forest County. The tornado continued to damage trees across extreme northwest Florence County before dissipating near Caspian, Michigan around 8:22 PM CST.

Event 5: July 27, 2023

The brief EF0 tornado formed at 6:22 PM CST in the Hiles area of Forest County and continued southeast before dissipating at 6:26 PM CST. The total path length was estimated to be 1.68 miles long with a maximum width of 90 yards. Peak wind was estimated at 76 mph.

TORNADO / WATERSPOUT REFERENCE GUIDE – FOREST COUNTY

Event	Date			Time		F/EF	Width	Path
#	Month	Day	Year	(CST)	Direction / Location	Rank	(Yards)	(Miles)
1	9	19	1963	18:00	Laona	1	33	1.0
2	6	30	1968	04:00	3 NW Cavour	2	200	1.0
3	9	16	1972	16:05	4 NW Wabeno - 2 N McAllister	2	200	53.1
4	5	30	1994	20:50-21:16	2 SW Crandon - 1 N Laona	2	800	12.0
5	4	10	2011	18:30-18:46	3 SE Argonne - 6 SE Long Lake	2	600	12.1
6	4	10	2011	19:03-19:08	4.2 WNW - 3.2 N Armstrong Creek	1	250	3.3
7	8	9	2020	2012:20:22	4.3 E Alvin - 5 S Caspian, MI	1	250	??

Event 1: September 19, 1963

The F1 tornado tore through the village of Laona around 6 PM CST. The tornado was less than 50 yards wide and traveled one mile before dissipating.

Event 2: June 30, 1968

The F2 tornado touched down 3 miles northwest of Cavour around 4 AM CST. The tornado traveled east northeast approximately one mile and had a maximum width of 200 yards. Several buildings were damaged on the Aschenbrenner Farm near Cavour.

Event 3: September 16, 1972

The F2 tornado formed 4 miles northwest of Wabeno around 4:05 PM CST. The tornado tracked south of Athelstane, north of Wausaukee and into upper Michigan. The track reentered Wisconsin about 2 miles north of McAllister and cross over the Wisconsin Public Service Corporation Grand Rapids Power Dam. The tornado reentered upper Michigan 3 miles southwest of Ingalls around 5:15 PM CST moving across Highway 41 about two miles north of Wallace. The final path length of the tornado was 53 miles with the tornado reaching a maximum width of 200 yards. Several barns were flattened in the Wabeno area, otherwise damage was mainly to woods and overhead wires.

Event 4: May 30, 1994

The F2 tornado touched down 2 miles southwest of Crandon around 850 PM CST. The tornado traveled 12 miles and reached a maximum width of 800 yards before dissipating one mile north of Laona around 9:16 PM CST. Three mobile homes and 25 homes were destroyed while 600 acres of timber was leveled. Three people were injured in a mobile that was destroyed by the tornado. The thunderstorms also produced tennis ball size hail as the storms passed through Rhineland.

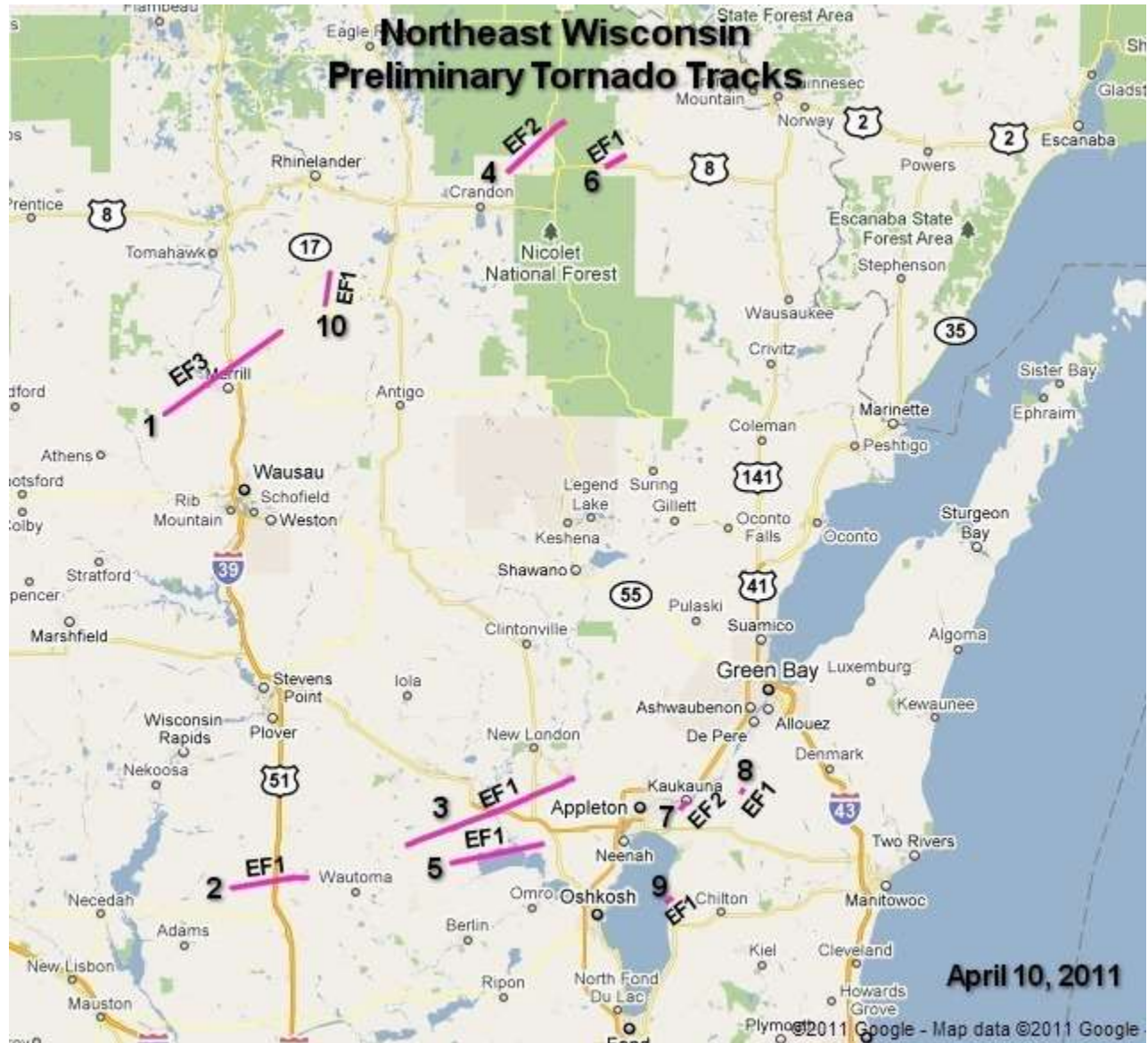
Event 5: April 10, 2011

The EF2 tornado developed 3.5 miles southeast of Argonne and moved northeast across Forest County. The tornado uprooted and snapped hundreds of trees, some of which fell on vacation cabins along the path of the tornado. The hardest hit area was several miles east Argonne shortly after the tornado developed. A large part of the roof of a house was removed. The tornado continued northeast in Florence County 6:46 PM CST. The average width of the tornado was 250 yards in Forest County. In Florence County, several large tree branches were broken before the tornado dissipated. The average path width of the tornado in Florence County was 75 yards.

TORNADO / WATERSPOUT REFERENCE GUIDE – FOREST COUNTY

Event 6: April 10, 2011

The EF1 tornado (2nd tornado on this day) formed in Forest County about four miles west of Armstrong Creek at 7:03 PM CST. The tornado snapped and uprooted trees and damaged two houses. One of the houses sustained significant roof damage as the tornado moved across the area. The average width of the tornado was 125 yards.



Event 7: August 9, 2020

The EF1 tornado touched down 4.3 miles east of Alvin in Forest County around 8:12 PM CST. The tornado damaged trees in the remote forest areas east of Alvin in extreme northeast Forest County. The tornado continued to damage trees across extreme northwest Florence County before dissipating near Caspian, Michigan around 8:22 PM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – KEWAUNEE COUNTY

Event	Date			Time		F/EF	Width	Path
#	Month	Day	Year	(CST)	Direction / Location	Rank	(Yards)	(Miles)
1	7	2	1969	16:20	3 SW Luxemburg - Ellisville	1	100	7.0
2	4	22	1970	21:00-21:10	1 N Casco - Rio Creek	2	500	9.0
3	4	22	1970	21:10	6 SW - 4 SE Luxemburg	1	500	7.2
4	4	22	1970	21:20-21:30	Algoma - 6 NE Algoma	2	500	5.0
5	5	8	1978	16:50-17:00	1.5 SW - 2.5 SE Luxemburg	1	N/A	N/A
6	4	24	1994	15:25	3 S Luxemburg	0	25	0.1
7	6	29	1995	11:05	10 SW Kewaunee	0	10	0.1
8	6	4	2005	17:30	5 E Kewaunee (waterspout)	0	N/A	N/A
9	5	22	2011	18:05	5 NE Algoma	0	N/A	N/A
10	8	9	2012	12:10-12:20	6 S Kewaunee	0	N/A	N/A
11	8	9	2012	12:25-12:35	6 S Kewaunee	0	N/A	N/A
12	8	7	2013	00:06-00:10	0.5 SSE Henrysville - 1 NE Stangelville	1	100	5.6
13	8	20	2016	09:03-09:06	1.1 W - 0.8 NW Kewaunee	0	125	0.7

Event 1: July 2, 1969

The F1 tornado traveled just over 7 miles across Kewaunee County, from 3 miles southwest of Luxemburg through the Ellisville area around 4:20 PM CST. The tornado had a maximum width of 100 yards. Several farms were damaged by the tornado.

Event 2: April 22, 1970

Several tornadoes were reported across north-central and northeast Wisconsin on this date. The F2 tornado touched down around 9 PM CST one mile north of Casco. The tornado moved northeast for 11 miles before dissipating near Rio Creek in southern Door County around 9:10 PM CST. The tornado reached a maximum width of 500 yards. Fifteen barns near Casco and Rio Creek were destroyed. Two persons were injured when their house trailer was upended south of Forestville. Meanwhile, snow was occurring across northwest Wisconsin. Superior reported six inches of snow on the ground during the evening of the 22nd.

Event 3: April 22, 1970

The F2 tornado developed 2 miles northeast of Poland in extreme eastern Brown County around 9:10 PM CST. The tornado was 500 yards wide and traveled just over 7 miles to near Luxemburg before dissipating. Several farms were damaged and leveled the Kewaunee County Fair Grandstand at Luxemburg.

Event 4: April 22, 1970

Several tornadoes were reported across north-central and northeast Wisconsin on this date. The F2 tornado touched down around 9:20 PM CST from Algoma to 6 miles northeast of Algoma. The tornado traveled about five miles and reached a maximum width of 500 yards. Extensive damage was reported near Algoma northeast along the Lake Michigan shoreline. Among the buildings destroyed were a warehouse and a church steeple. Meanwhile, snow was occurring across northwest Wisconsin. Superior reported six inches of snow on the ground during the evening of the 22nd.

Event 5: May 8, 1978

The F1 tornado developed a mile and a half southwest of Luxemburg around 4:50 PM CST, and then moved to two and a half miles southeast of Luxemburg before dissipating around 5 PM CST. Two buildings were destroyed a mile and a half west of Luxemburg on Highway 54. A large pole building was destroyed two and a half miles southeast of Luxemburg.

TORNADO / WATERSPOUT REFERENCE GUIDE – FOREST COUNTY

Event 6: April 24, 1994

The F0 tornado touched down 3 miles south of Luxemburg around 3:25 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. No damage was reported with this storm.

Event 7: June 29, 1995

The F0 tornado touched down 10 miles southwest of Kewaunee around 11:05 AM CST. The tornado was 10 yards wide and traveled a tenth of a mile. The weak tornado touched down only for a few seconds in southern Kewaunee County. Minimal crop damage was reported since this brief tornado occurred in open rural country. The tornado appeared to form on the Lake Michigan lake breeze.

Event 8: June 4, 2005

An F0 waterspout touched down on Lake Michigan 5 miles east of Kewaunee at 5:30 PM CST.

Event 9: May 22, 2011

The EF0 waterspout was observed over Lake Michigan about 5 miles northeast of Algoma.

Event 10: August 9, 2012

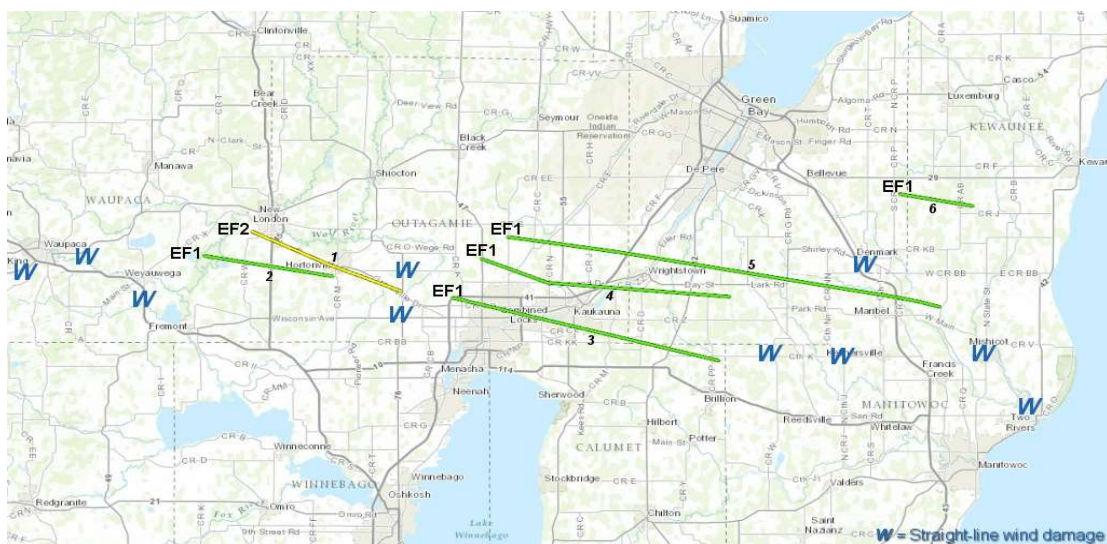
The EF0 waterspout was reported by a trained spotter over Lake Michigan six miles south of Kewaunee between 12:10 PM and 12:20 PM CST. An upper-level trough of low pressure rotated through Wisconsin, resulting in numerous showers and thunderstorms. Cold air aloft associated with the trough, coupled with the warm waters of Lake Michigan provided favorable conditions for the development of waterspouts.

Event 11: August 9, 2012

The EF0 waterspout was reported by a trained spotter over Lake Michigan six miles south of Kewaunee between 12:25 PM and 12:35 PM CST. An upper-level trough of low pressure rotated through Wisconsin, resulting in numerous showers and thunderstorms. Cold air aloft associated with the trough, coupled with the warm waters of Lake Michigan provided favorable conditions for the development of waterspouts.

Event 12: August 7, 2013

Rare Late Evening / Early Morning Tornadoes on August 6-7, 2013



TORNADO / WATERSPOUT REFERENCE GUIDE – FOREST COUNTY

Event 12: August 7, 2013 continued

The last tornado of the night to strike Northeast Wisconsin on this date, the EF1 tornado touched down a half mile south southeast of Henrysville in Brown County around 12:05 AM CST. The tornado was traveling at a rate of 60 to 70 mph as it moved across the region. A couple dozen trees were damaged or uprooted. In Brown County, the maximum width of the tornado was one hundred yards with an average width of seventy-five yards. An EF1 tornado moved into Kewaunee County about three miles southwest of Pilsen around 12:06 AM CST. The tornado caused the walls and roof of a barn to collapse and damaged two silos. The tornado also uprooted several dozen trees along its path. In Kewaunee County, the maximum width of the tornado was 100 yards with an average width of seventy-five yards. The tornado traveled 5.6 miles before dissipating one mile northeast of Stangelville around 12:10 AM CST.

Event 13: August 20, 2016

The EF0 tornado touched down on the west side of Kewaunee in Kewaunee County around 9:03 AM CST. The tornado was 125 yards wide with about 100 trees sustaining some damage. Several trees were uprooted to the saturated ground. Several homes on the west side of Kewaunee had shingle or siding damage. Also, a baseball dugout at a school was blown down. The tornado traveled seven tenths of a mile before dissipating 1.1 miles west of downtown Kewaunee around 9:06 AM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – LANGLADE COUNTY

Event #	Date			Time (CST)	Direction / Location	F/EF Rank	Width (Yards)	Path (Miles)
	Month	Day	Year					
1	5	4	1959	11:45	Deerbrook	1	100	1.0
2	9	28	1971	16:00-17:20	23 NE Eau Claire - 2 E Merrill	3	300	78.4
3	6	13	1976	20:00-20:10	2 W Hogarty - Elton	1	50	21.3
4	6	13	1976	20:45-21:00	Rural Langlade Co - Rural Lincoln County	1	33	10.8
5	4	27	1984	14:50	4 NW Antigo	2	17	7.5
6	6	7	2007	1548-1558	3.7 S White Lake - 3.5 NNE Markton	3	1000	7.4
7	4	10	2011	17:50-17:58	5 S Parrish	1	400	5.3
8	7	9	2013	14:32-14:56	10.8 S Parrish - 3.1 W Deerbrook	0	100	9.5

Event 1: May 4, 1959

The F1 tornado struck Deerbrook around 11:45 AM CST. The tornado was 100 yards wide and was on the ground for a mile.

Event 2: September 28, 1971

The second F3 tornado developed over the town of Hewitt northeast of Wausau in Marathon County around 4 PM CST. The town hall and four barns were destroyed in Hewitt. The tornado continued east northeast into Langlade County, passing about 6 miles south of Antigo and moved across the extreme northwest corner of Menominee County just south of White Lake. The tornado moved into Oconto County near Mountain, and then into Marinette County to Middle Inlet where the tornado dissipated around 5:20 PM CST. The tornado traveled 78 miles and reached a maximum width of 300 yards. The most severe damage occurred at Mountain where damage to buildings and trailers were estimated at \$200,000 dollars. Extensive damage to property and trees was reported in the Boulder Lake area where the lake level was reported to have dropped 5 inches. One person was injured at White Lake and four injuries were noted at Mountain, none seriously.

Event 3: June 13, 1976

The F1 tornado hit first about two miles west of Hogarty in Marathon County around 8 PM CST. The tornado skipped along and moved east northeast into extreme southwest Langlade County near Elmhurst and then continued to near Elton before dissipating at 8:10 PM. The tornado was 50 yards wide and traveled 21.3 miles. Some sheds were destroyed while windows of some buildings were damaged. Tree limbs and power lines were downed by the tornado.

Event 4: June 13, 1976

The F1 tornado first reached the ground near Highway 64 in extreme southeast Lincoln County around 8:45 PM CST. The tornado then moved into western Langlade County about 3 miles north of Highway 64. The tornado skipped along to near county Highway I about 11 miles northwest of Antigo where it was last reported. The tornado was 50 yards wide and traveled nearly eleven miles. The only report of damage was some downed trees.

Event 5: April 27, 1984

There were ten tornadoes on this date across the entire state. The F2 tornado touched 4 miles northwest of Antigo around 2:50 PM CST. The tornado was 20 yards wide and traveled 7.5 miles across Langlade County. One home and three barns were demolished and twenty-five head of dairy cows were crushed to death in one barn.

TORNADO / WATERSPOUT REFERENCE GUIDE – LANGLADE COUNTY

Event 6: June 7, 2007

By National Weather Service Green Bay Staff



Fast moving supercell thunderstorms with damaging winds, hail larger than 5 inches in diameter, and tornadoes ripped across central and northeast Wisconsin on June 7, 2007. Five tornadoes touched down in central and northeast Wisconsin.

Map of northeast Wisconsin and tornado tracks. Not denoted on the map is an area of straight-line wind damage in the Thunder Mountain area of western Marinette County, caused by the same supercell that produced the long-track tornado.

Menominee-Langlade-Oconto Counties Long-Track Tornado

A long-track tornado touched down at 3:31 PM CST east of Mattoon in Shawano County and continued northeast to the Oconto-Marquette County line. The tornado was on the ground for at least 40 miles and was over 1/2 mile wide at times. Over 14,000 acres of trees were snapped or flattened, and many dozens of buildings were damaged or destroyed. The twister was rated an EF3 on the Enhanced Fujita scale, with estimated winds of 140 to 160 mph.



Jerome Wahleithner
White Lake, WI



Ben Christianson
Oconto Co.

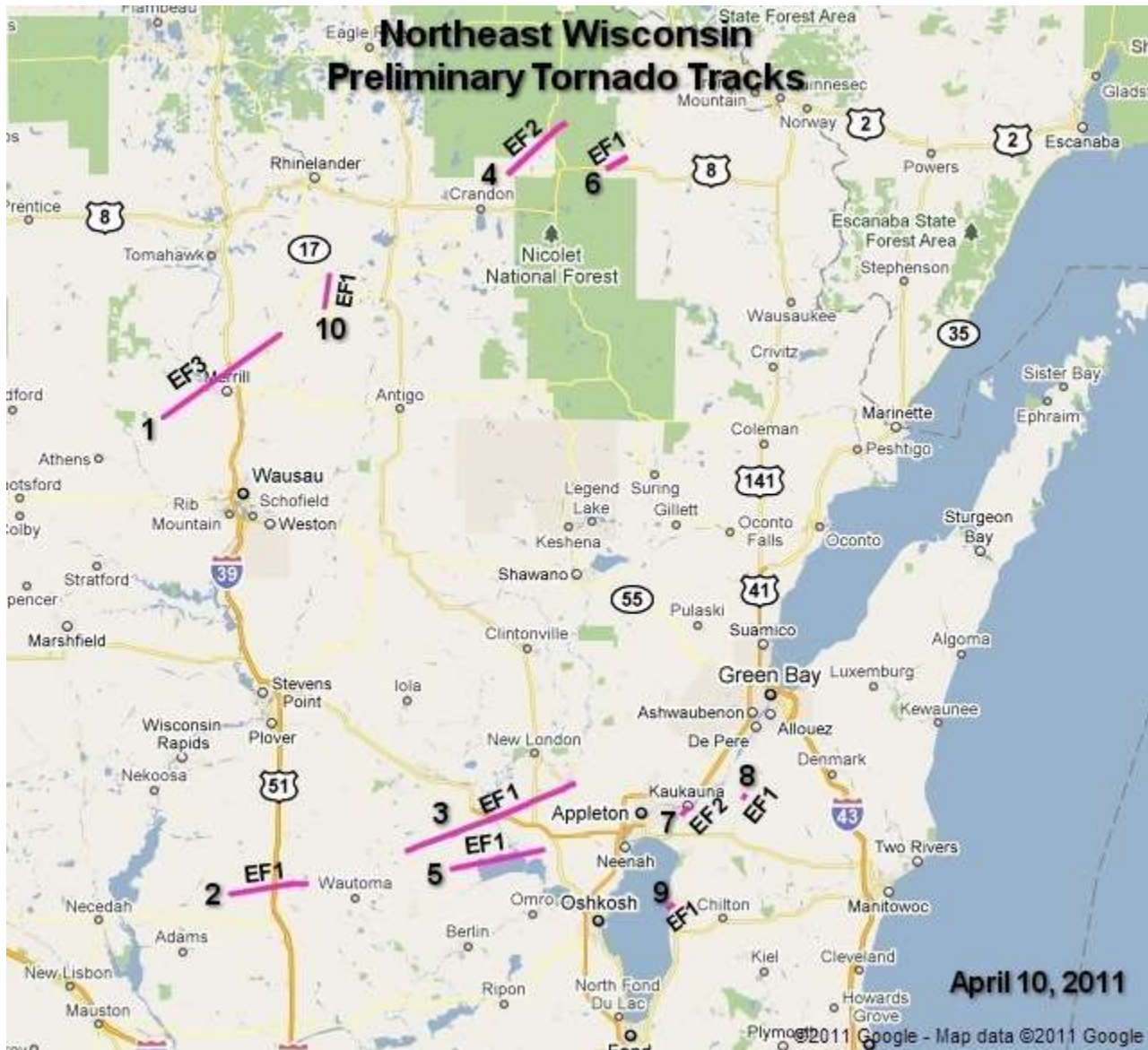
Picture on left: Tornado passing south of White Lake in Langlade Co. Picture courtesy: WAOW-TV.

Picture on right: Tornado as seen from HWY T in southwest Oconto Co. Picture courtesy: Wisconsin Department of Natural Resources.

TORNADO / WATERSPOUT REFERENCE GUIDE – LANGLADE COUNTY

Event 7: April 10, 2011

The EF1 tornado formed about 5 miles south of Parrish around 5:50 PM CST and moved just east of north for a little over five miles. The tornado affected about 1600 acres of hardwood and softwood trees. It was estimated that over one million trees were snapped, uprooted, or suffered serious damage. The loss to timber alone is estimated at over one million dollars. One cabin was destroyed by fallen trees. The tornado was seen by a storm chaser at 5:55 PM CST. The average width of the tornado was 250 yards.



TORNADO / WATERSPOUT REFERENCE GUIDE – LINCOLN COUNTY

Event	Date			Time		F/EF	Width	Path
#	Month	Day	Year	(CST)	Direction / Location	Rank	(Yards)	(Miles)
1	5	3	1955	18:00	Irma	1	33	7.0
2	6	30	1958	17:30	1 NW Gleason	2	50	2.0
3	9	3	1961	17:00	12 W Merrill	1	50	1.0
4	7	24	1962	17:00	Corning	2	50	1.0
5	6	26	1969	17:00	2 SE Tomahawk - Pelican Lake	1	50	22.0
6	9	28	1971	14:15-16:05	19 W Merrill - Merrill	2	300	19.0
7	6	13	1976	20:45-21:00	9 E Merrill - 11 NW Antigo	1	50	10.8
8	6	16	1979	15:30-15:45	2 N Irma	1	-9999	-9999
9	6	14	1991	11:55	8 WNW Merrill	1	50	1.0
10	7	18	1996	16:20-16:30	1.5 SW - 3 SSE Tomahawk	1	100	3.0
11	7	16	1997	14:38-14:40	11.5 ESE - 12 SE Merrill	2	100	1.4
12	3	29	1998	19:28-19:35	3 W - 3 N Tomahawk	0	75	4.5
13	5	5	1999	16:30-16:31	1 WNW Tomahawk	0	25	0.1
14	4	18	2002	15:49	2 W Bradley	0	25	0.1
15	7	30	2002	17:47-17:50	10.5 - 9.5 NW Merrill	0	150	1.2
16	7	30	2002	18:08-18:28	5 N - 9.5 NE Merrill	0	200	9.0
17	7	30	2002	18:25	8.5 NE Merrill	0	25	0.1
18	9	30	2002	18:30-18:35	8 W - 4.5 WNW Tomahawk	2	250	3.0
19	7	11	2004	15:45	Irma	0	10	0.1
20	7	11	2004	16:13	6 W Tomahawk	0	10	0.1
21	7	11	2004	16:13	6 W Tomahawk	0	10	0.1
22	7	11	2004	16:40	4 W Tomahawk	0	10	0.1
23	4	10	2011	17:08-17:41	2 N Hamburg - 1 SW Bloomville	3	1,050	21.2
24	7	9	2013	13:59-14:04	0.5 NE Schultz - 3.9 W Bloomville	0	100	4.1
25	7	19	2019	17:47-18:00	7.5 NNW Spirit Falls - 6.8 NW Tomahawk	0	50	6.5
26	7	28	2021	19:39-19:44	4.8 SE Merrill - 2.8 NE Granite Heights	1	300	2.7

TORNADO / WATERSPOUT REFERENCE GUIDE – LINCOLN COUNTY

Event 1: May 3, 1955

The F1 tornado touched down in Irma, approximately 9 miles north of Merrill around 6 PM CST. The tornado traveled 7 miles and had a maximum width less than 50 yards. Lincoln County Sheriff Alfred Giese stated in the Rhinelander Daily News that a tornado ripped through several farms and wooded lot country about 9 miles north of Merrill. Giese stated that three barns were blown down and that communications between Merrill and the State Traffic Patrol Headquarters in Tomahawk was disrupted for a while. Two people were trapped in the wreckage and were freed by sheriff officers and highway crews. No homes were damaged.

Event 2: June 30, 1958

The brief F2 tornado touched down around 5:30 PM CST one mile northwest of Gleason. The tornado traveled approximately 2 miles and reached a maximum width of 50 yards. According to the Rhinelander Daily News, the United States Weather Bureau stated a Northwest Orient Airlines plane and an Antigo radar station both reported radar echoes with the dangling hooks characteristic of tornado clouds.

Event 3: September 3, 1961

The F1 tornado touched down 12 miles west of Merrill around 5 PM CST. The tornado was 50 yards wide and was on the ground for a mile.

Event 4: July 24, 1962

The F2 tornado touched down briefly in the town of Corning around 5 PM CST. The tornado traveled about a mile and had a maximum width of 50 yards. The tornado destroyed a barn and other buildings in the town of Corning.

Event 5: June 26, 1969

The F1 tornado traveled 22 miles across Clark, Taylor, and Lincoln counties. The tornado did major damage from the Withee area in northern Clark County around 4:10 PM CST. Two persons were injured and about ten farms sustained damage. Major damage from the tornado was reported at the Taylor County Airport near Medford around 4:30 PM CST. Seven planes and one hangar suffered severe damage. The tornado entered western Lincoln County and traveled to near Pelican Lake around 5 PM CST before dissipating. Five more farms suffered serious damage in northeast Lincoln County. Tree and wire damage termed “worst ever” by utilities in the northern resort areas.

Event 6: September 28, 1971

The F2 tornado was first sighted across portions of Clark and Taylor Counties. The tornado moved into Lincoln County 19 miles west southwest of Merrill around 2:15 PM CST. The tornado traveled 19 miles and reached a maximum width of 300 yards before dissipating near Merrill. Several farms were damaged or destroyed by the tornado across Clark, Taylor, and Lincoln counties. The storm summary does not indicate where the heaviest damage occurred.

Event 7: June 13, 1976

The F1 tornado first reached the ground near Highway 64 in extreme southeast Lincoln County around 8:45 PM CST. The tornado then moved into western Langlade County about 3 miles north of Highway 64. The tornado skipped along to near county Highway I about 11 miles northwest of Antigo where it was last reported. The tornado was 50 yards wide and traveled nearly eleven miles. The only report of damage was some downed trees.

Event 8: June 16, 1979

The F1 tornado developed 2 miles north of Irma around 3:30 PM CST. The tornado moved to 2 miles northeast of Irma before dissipating at 3:45 PM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – LINCOLN COUNTY

Event 9: June 14, 1991

The F1 tornado touched down 8 miles west northwest of Merrill around 11:55 AM CST. The tornado was 50 yards wide and was on the ground for a mile. The tornado destroyed several trees, a barn and damaged a roof and porch of a house.

Event 10: July 18, 1996

The F1 tornado touched down a mile and a half southwest of Tomahawk at 4:20 PM CST. The tornado uprooted two trees at Bradley Park, then moved southeast across Lake Mohawkskin, flipping two boats over. The tornado moved back on land and tore part of a roof off a tavern while a garage was removed from its foundation. It continued to move into the Road Lake area where it produced its most significant damage. Three cottages were damaged after trees fell on them. The tornado reached a maximum width of 100 yards before it dissipated nearly three miles southeast of Tomahawk around 4:30 PM CST.

Event 11: July 16, 1997

The F2 tornado touched down eleven and a half miles southeast of Merrill around 2:38 PM CST. The storm traveled under a mile to the southeast into Marathon County before dissipating 12 miles southeast of Merrill around 2:40 PM CST. The tornado reached a maximum width of 100 yards. As the storms rolled through Lincoln County, softball size hail was reported northeast of Merrill.

Event 12: March 29, 1998

The F0 tornado touched down in 3 miles west of Tomahawk at 7:28 PM CST. The tornado was 75 yards wide and traveled four and a half miles before dissipating 3 miles north of Tomahawk at 7:35 PM CST. The tornado damaged several sheds, garages and a pole building west of Tomahawk. The storm also downed many power poles, disrupting power to thousands of customers.

Event 13: May 5, 1999

The F0 tornado touched down a mile west northwest of Tomahawk at 4:30 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile before dissipating at 4:31 PM CST.

Event 14: April 18, 2002

The brief F0 tornado touched down 2 miles west of Bradley at 3:49 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado snapped several trees.

Event 15: July 30, 2002

The F0 tornado touched down ten and a half miles west of Merrill around 5:47 PM CST. The tornado was 150 yards wide and skipped along the ground for 1.2 miles before dissipating nine and a half miles west of Merrill around 5:50 PM CST.

Event 16: July 30, 2002

The F0 tornado developed 5 miles north of Merrill at 6:08 PM CST. The tornado was 200 yards wide and traveled on the ground for 9 miles before dissipating nine and a half miles northeast of Merrill at 6:28 PM CST. The tornado destroyed a barn and another structure, tearing roofs from some buildings and moving others from their foundation.

Event 17: July 30, 2002

The F0 tornado formed 8.5 miles northeast of Merrill at 6:25 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado demolished a mobile home and snapped trees and tree limbs.

TORNADO / WATERSPOUT REFERENCE GUIDE – LINCOLN COUNTY

Event 18: September 30, 2002

The F2 tornado developed 8 miles west of Tomahawk around 6:30 PM CST. The tornado traveled approximately 3 miles to the northeast and reached a maximum width of 250 yards before dissipating four and a half miles northwest of Tomahawk around 6:35 PM CST. The tornado did significant damage, uprooting or snapping off thousands of trees along its path. A house in the path of the tornado suffered major structural damage, a camping trailer was thrown 300 feet, and a car was thrown into a tree coming to rest at least fifteen feet above the ground. Two barns were also destroyed.

Event 19: July 11, 2004

The brief F0 tornado touched down in Irma at 3:45 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile.

Event 20: July 11, 2004

The brief F0 tornado touched down 6 miles west of Tomahawk at 4:13 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile. A pair of tornadoes touched down simultaneously west of the Tomahawk Airport.

Event 21: July 11, 2004

The brief F0 tornado touched down 6 miles west of Tomahawk at 4:13 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile. A pair of tornadoes touched down simultaneously west of the Tomahawk Airport.

Event 22: July 11, 2004

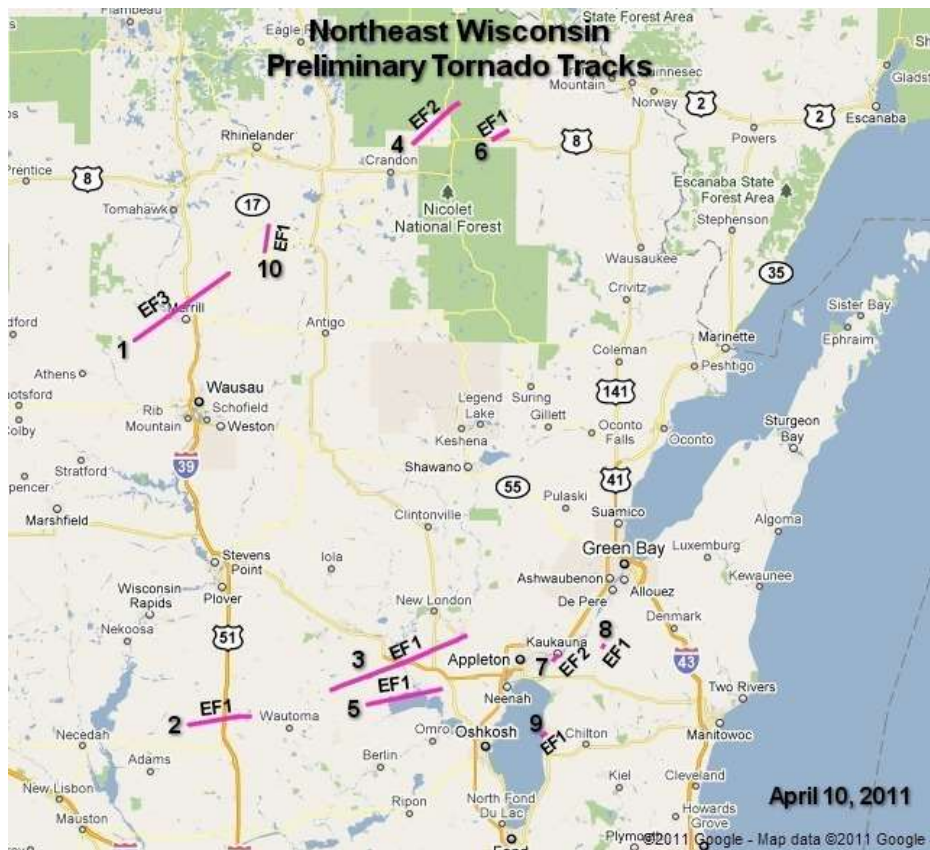
The brief F0 tornado touched down 4 miles west of Tomahawk at 4:40 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile.

Event 23: April 10, 2011

The EF3 tornado developed about 2 miles north of Hamburg at 5:08 CST PM and moved northeast into Lincoln County at 5:10 PM CST. Pine trees were uprooted, and large branches were broken in the path of the storm. One house sustained damage to its siding and several barns were blown down or lost their roofs in Marathon County. The tornado was rated an EF0 in Marathon County. The average width of the tornado in Marathon County was 100 yards. The tornado reached EF3 intensity on the north side of Merrill in Lincoln County at approximately 5:22 PM CST where 22 homes and 7 businesses were destroyed. Several homes lost nearly all exterior and some interior walls. In addition, 22 homes and one business sustained major damage, and 20 homes and four businesses sustained minor damage. A 67-year-old male was thrown over 200 feet from his bedroom and suffered broken ribs, a ruptured spleen, and a bruised lung. Another person sustained minor injuries. The tornado tore a path over 20 miles long in Lincoln County before dissipating. The maximum width of the tornado was six tenths of a mile (1050 yards) wide. The average width was about 400 yards.

TORNADO / WATERSPOUT REFERENCE GUIDE – LINCOLN COUNTY

Event 23: April 10, 2011 Continued



TORNADO / WATERSPOUT REFERENCE GUIDE – LINCOLN COUNTY

Event 24: July 9, 2013

The EF0 tornado touched down a half mile northeast of Schultz, or about six miles south of Irma in Lincoln County at 1:59 PM CST. The tornado moved east for about 4.1 miles and was 100 yards wide (average width was 75 yards). A few trees and power lines were knocked down. The tornado dissipated 3.9 miles west of Bloomville at 2:04 PM CST.

Event 25: July 19, 2019

The EF0 tornado touched down just over seven miles north-northwest of Spirit Falls in Lincoln County around 5:47 PM CST. The tornado produced scattered tree damage and was seen by the public. Winds were estimated at 75 to 80 mph. The tornado was 50 yards wide and traveled six and a half miles before dissipating at 6 PM CST nearly seven miles northwest of the Tomahawk Regional Airport.

Event 26: July 28, 2021

The EF1 tornado formed at 7:40 PM CST near Pine River or 4.8 miles southeast of Merrill in southern Lincoln County, damaging dozens of trees. The tornado continued south into Marathon County around 7:42 PM CST, damaging dozens of more trees before ending near the intersection of Shady Lane Road and Hazelwood Lane at 7:44 PM CST. The tornado path was estimated at 2.7 miles long, a maximum width of 300 yards and winds estimated around 90 mph.

TORNADO / WATERSPOUT REFERENCE GUIDE – MANITOWOC COUNTY

Event	Date			Time		F/EF	Width	Path
#	Month	Day	Year	(CST)	Direction / Location	Rank	(Yards)	(Miles)
1	7	11	1957	14:00	Whitelaw	1	N/A	N/A
2	4	24	1960	16:00	7 SW Valders	1	33	1.0
3	6	30	1967	23:49-23:59	Chilton - 7 SW Valders	2	100	7.0
4	7	1	1967	00:45	3 E Kiel	1	50	0.5
5	8	21	1972	15:10	Goodwin - Two Rivers	1	50	12.0
6	5	9	1973	15:50	2 N Reedsville	1	50	2.0
7	6	7	1978	15:15	2 NW Francis Creek	2	N/A	N/A
8	8	4	1979	10:00	Manitowoc	1	N/A	N/A
9	6	7	1980	00:20	Valders	2	33	0.2
10	7	5	1980	00:30	Valders	1	N/A	N/A
11	7	12	1987	11:27-11:30	1 S Francis Creek	1	75	0.2
12	8	4	1988	14:35	1 E Reedsville - 2 N Cato	1	25	4.0
13	5	24	1989	21:15	1 E Cooperstown	0	50	0.2
14	7	5	1994	15:43-15:55	3 NW Maribel - 0.5 W Cooperstown	4	150	3.5
15	7	5	1994	1553	2 SW Cooperstown	2	150	1.0
16	5	12	2000	10:43	5 WNW St. Nazianz	0	50	0.1
17	5	23	2004	17:47	2.7 E Reedsville	0	75	0.1
18	7	13	2004	14:40-14:52	1.4 NW Clark Mills - 2.8 SE Clark Mills	1	500	4.2
19	8	18	2005	20:35-20:39	6.5 SSW - 5.7 S Manitowoc	1	100	1.5
20	8	6	2013	23:40-00:10	2.7 ENE Mackville - 1.1 NNE Larrabee	1	250	33.1
21	8	28	2018	15:34-15:35	2.2 NNW - 2.1 N Kiel	1	75	1.0

TORNADO / WATERSPOUT REFERENCE GUIDE – MANITOWOC COUNTY

Event 1: July 11, 1957

The F1 tornado was first reported to touch down two and a half miles southeast of White Law around 2 PM CST. The tornado struck the Bernard Vogel farm, picking up 9 trees thirty feet high and pounded them into the ground. The tornado also broke windows and gouged the side of the house. A female neighbor of Bernard Vogel, who was seeking shelter, was pinned up to the wall of a silo as she was running towards the house.

Event 2: April 24, 1960

The F1 tornado touched down 7 miles southwest of Valders around 4 PM CST. The tornado was less than 50 yards wide and traveled about a mile before dissipating.

Event 3: June 30, 1967

The F2 tornado struck Chilton around 11:49 PM CST. The tornado then traveled to 7 miles east of Chilton before dissipating around 11:59 PM CST in extreme western Manitowoc County. The maximum width of the tornado was 100 yards. The city of Chilton took the brunt of the damage. At least five buildings were destroyed beyond repair. A trailer home tumbled end over end across a lot and a good share of trees were torn up.

Event 4: July 1, 1967

The F1 tornado struck 3 miles east of Kiel around 12:45 AM CST. The tornado was 50 yards wide and traveled a half mile before dissipating.

Event 5: August 21, 1972

The F1 tornado touched down near Goodwin around 3:10 PM CST. The tornado was 50 yards wide and traveled approximately 12 miles to Two Rivers. The tornado struck the Van Koevering residence, uprooting five large trees in the yard. Tree and wire damage occurred along Highway 147 one mile south of Mishicot and near Highway 42 and near Shambeau Road near Two Rivers. The tornado moved eastward out over Lake Michigan.

Event 6: May 9, 1973

The F1 was reported 2 miles north of Reedsville around 3:50 PM CST. The tornado was 50 yards wide and traveled about two miles before dissipating. Several outbuildings were destroyed on the John Zimmerman farm on Highway 32. Damage was also reported on the Sullivan and Fenlon farms.

Event 7: June 7, 1978

The F2 tornado touched down briefly 2 miles northwest of Francis Creek around 3:15 PM CST. The path length and maximum width of the tornado were not documented.

Event 8: August 4, 1979

The EF1 tornado struck near Manitowoc around 10 AM CST. Several buildings on a farm were destroyed. There was no documentation on path length or width of the tornado.

Event 9: June 7, 1980

The brief F2 tornado touched down in Valders around 12:20 AM CST. The tornado was less than 50 yards wide and was on the ground for less than a quarter of a mile. The brief touchdown resulted in the destruction of a large modern barn and heavy farm equipment. Field crops were beaten down in the vicinity of the storm.

Event 10: July 5, 1980

The F1 tornado struck the farm of Warren Otto just south of Valders around 12:30 AM CST. There was no documentation on path length or width of the tornado. The tornado destroyed a barn and machine shed, and farm machinery on the Warren Otto farm. Other farm buildings in the area also sustained minor damage.

TORNADO / WATERSPOUT REFERENCE GUIDE – MANITOWOC COUNTY

Event 11: July 12, 1987

The F1 tornado touched down one mile south of Francis Creek around 11:27 AM CST. The tornado was 75 yards wide and traveled two tenths of a mile before dissipating around 11:30 AM CST. One house and a garage were destroyed. One barn, a shed and several trees were also damaged. Debris from the house was found as far as several miles away.

Event 12: August 4, 1988

The F1 tornado developed one mile east of Reedsville around 2:35 PM CST. The tornado was 25 yards wide and traveled 4 miles before dissipating two miles north of Cato around 2:45 PM CST. Two barns, one shed and several trees were damaged by the tornado.

Event 13: May 24, 1989

The brief F0 tornado touched down one mile east of Cooperstown at 9:15 PM CST. The tornado was 50 yards wide and traveled two tenths of a mile before dissipating.

Event 14: July 5, 1994

A powerful F4 tornado cut a short but devastating path in northern Manitowoc County from two and a half miles northwest of Maribel around 3:43 PM CST to a half mile west of Cooperstown before dissipating around 3:55 PM CST. A second small tornado also developed two miles southwest of Cooperstown and carved out a minor damage path leveling a shed and tossing a grain box 300 yards. Much of the \$2.1 million in damages was inflicted by the first tornado. The tornado damaged 26 homes, 19 vehicles and one mobile home. Four heifers and two sheep were also killed. One man was injured when he was struck by a 55 gallon-drum while a woman suffered minor injuries when pieces of a stone foundation fell on her. The tornado traveled three and a half miles and reached 150 yards in diameter.

Event 15: July 5, 1994

The F2 tornado touched down 2 miles southwest of Cooperstown around 3:53 PM CST. The tornado traveled about a mile and reached a maximum width of 150 yards. A shed was leveled, and a grain box was tossed about 300 yards. This was one of two tornadoes to hit Manitowoc County on this date. A stronger EF4 tornado touched down two and a half miles northwest of Maribel and traveled to a half mile west of Cooperstown between 3:43 PM and 3:55 PM CST.

Event 16: May 12, 2000:

The brief F0 tornado touched down 5 miles west northwest of St. Nazianz around 10:43 AM CST. The tornado was 50 yards wide and was on the ground for a tenth of a mile. No damage was reported with the tornado. The thunderstorms that produced the tornado were some of the most devastating thunderstorms to move across northeast Wisconsin. The combination of 100 mph straight line winds and 2 inch-hail produced serious damage in St. Nazianz. Thirty people were injured by the storm in Manitowoc County with 100 homes destroyed by the wind and hail.

Event 17: May 23, 2004

The F0 tornado touched down 2.7 miles east of Reedsville at 5:47 AM CST. The tornado was 75 yards wide and was on the ground for a tenth of a mile. The tornado damaged shingles and siding on a house and snapped trees and large branches.

Event 18: July 13, 2004

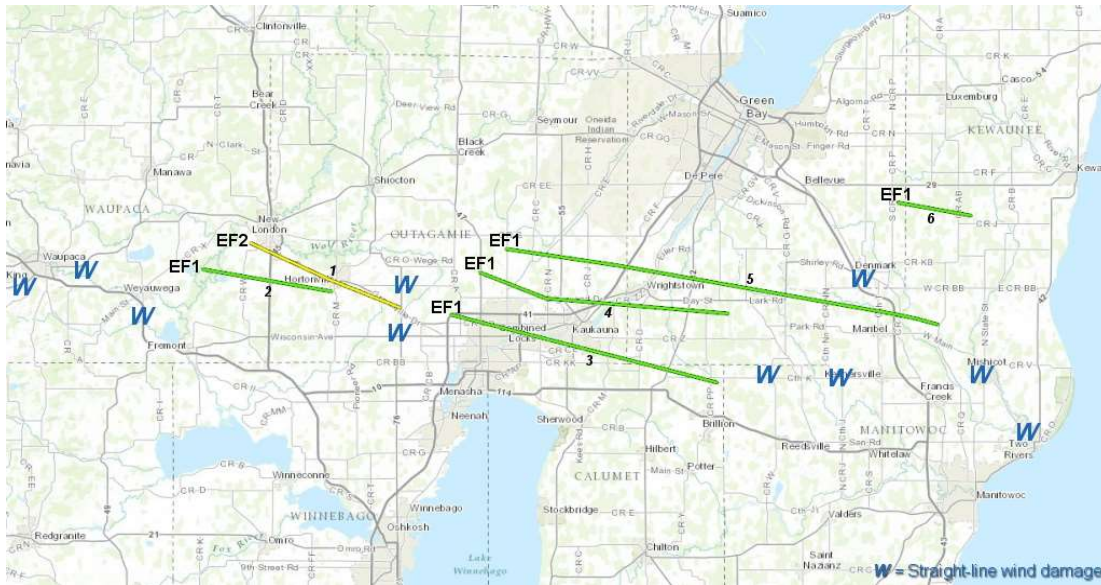
The F1 tornado touched down 1.4 miles northwest of Clark Mills around 2:40 PM CST. The tornado was 500 yards wide and traveled just over four miles before dissipating 2.8 miles southeast of Clark Mills around 2:52 PM CST. The tornado caused extensive damage two farms. The tornado destroyed two garages, two barns, two milking parlors and three silos. The tornado also destroyed 45 calf hutches and about 80 acres of alfalfa. The tornado snapped and uprooted trees and carried a calf about a half a mile away where it was found still alive.

TORNADO / WATERSPOUT REFERENCE GUIDE – MANITOWOC COUNTY

Event 19: August 18, 2005

The F1 tornado developed six and a half miles south southwest of Manitowoc at 8:35 PM CST. The tornado was 100 yards wide and traveled one and a half miles before dissipating 5.7 miles south of Manitowoc at 8:39 PM CST. The tornado damaged a farm, snapped, or uprooted around 50 large trees while several hay wagons and trailers were overturned. A concrete silo was destroyed and another damaged. The roof of a barn sustained extensive damage. Part of the barn and silo were found in trees a third of a mile away. The tornado was part of a record tornado outbreak in Wisconsin.

Rare Late Evening / Early Morning Tornadoes on August 6-7, 2013



Event 20: August 6, 2013

The fifth of six late night tornadoes to strike Northeast Wisconsin on this date, the EF1 tornado touched down 2.7 miles east northeast of Mackville in Outagamie County at 11:40 PM CST. The tornado was traveling at a rate of 60 to 70 mph as it moved across the Fox Valley. The tornado caused significant damage to several outbuildings and barns and flattened sections of mature corn fields. The roof of a power substation was damaged. The maximum path width was 200 yards, with an average width of 150 yards. The tornado now an EF0 moved into Brown County just under two miles northwest of Wrightstown near Highway 41 around 11:48 PM CST. The tornado first hit the Apple Creek Campground, snapping fifty trees, and knocking over two camping trailers. As the tornado moved across southern Brown County, at least seventy homes sustained at least minor damage, many from fallen trees. A large free-standing garage was heavily damaged when the tornadic winds blew in two garage doors, causing the roof to be ripped off. The maximum width of the tornado in Brown County was 250 yards, with an average width of 175 yards. The tornado moved into Manitowoc County 4.1 miles northwest of Rosencrans around 12:01 AM CST. The tornado strengthened to an EF1 in Manitowoc County. The tornado damaged several outbuildings and a roof of a barn. A 110-year-old stone structure at the Maribel Caves County Park was knocked over by the strong winds. The damage survey revealed the tornado ended a couple miles east of Maribel, but straight-line wind damaged continued into the east part of the county.

Event 21: August 28, 2018

The EF1 tornado touched down around 3:34 PM CST just over two miles north-northwest of Kiel in Manitowoc County. The tornado developed near the Manitowoc/Calumet County line near Meggers Road which destroyed a barn and produced sporadic tree damage. The tornado was 75 yards wide and traveled near a mile before dissipating at 3:35 PM CST just over two miles north of Kiel.

TORNADO / WATERSPOUT REFERENCE GUIDE – MARATHON COUNTY

Event	Date			Time		F/EF	Width	Path
#	Month	Day	Year	(CST)	Direction / Location	Rank	(Yards)	(Miles)
1	6	25	1950	21:10	2 W Unity - 3 NE Abbotsford	2	20	3.0
2	6	20	1954	02:30	Rothschild - 6 NE Mosinee	2	70	6.3
3	6	4	1958	19:30	6 SE Chippewa Falls - 2 NW Athens	3	880	59.2
4	5	4	1959	10:30	Wausau	1	200	1.0
5	11	15	1960	14:25	Chili - near Rib Mountain	2	100	36.0
6	9	3	1961	00:10	Fenwood	2	35	2.0
7	9	3	1961	01:00	Athens	1	35	2.0
8	5	8	1964	17:50	7 ESE Knowlton - 5 W Elderon	2	500	12.0
9	8	19	1968	17:30	4 W Fenwood - 11 E Fenwood	2	75	14.3
10	9	28	1971	14:15-16:05	3 NE Brokaw - 6 NE Hogarty	3	200	18.0
11	9	28	1971	16:00	1 NE Abbotsford - Merrill	3	300	11.6
12	6	18	1973	11:00	2 W Athens	1	200	2.0
13	4	12	1974	14:05	5 W Athens	2	150	2.0
14	6	13	1976	20:00-20:10	2 W Hogarty - Elton	1	50	4.0
15	8	31	1977	18:15	1 SW Stratford - Wausau	3	1000	27.0
16	7	15	1982	19:15	Mayflower Lake	1	50	0.7
17	7	3	1983	17:35	6 W Unity - Cherokee	2	55	6.0
18	6	26	1984	16:55	13 N Wausau - Texas	1	100	8.0
19	9	24	1984	16:50	13.5 WSW Wausau - Wausau	2	150	12.0
20	7	2	1987	17:10	Pike Lake	1	75	0.2
21	5	8	1988	17:10	4.5 SW Hadler - Rib Falls	2	250	13.0
22	9	19	1988	16:37	1 W Edgar	0	25	0.1
23	6	12	1990	18:35	2 W Stratford	1	25	0.1
24	7	19	1992	15:54	2 WSW Stratford	1	400	0.3
25	7	8	1994	14:00	3 NW Elderon	1	75	0.2
26	8	7	1996	01:45-01:49	6.5 N Stratford - 2.5 NNW Fernwood	2	200	2.5
27	8	7	1996	01:46-01:47	1 N - 1.2 NE Stratford	1	100	0.2
28	8	7	1996	02:19-02:21	4 SW Shantytown - Shantytown	1	100	0.4
29	7	16	1997	14:40-14:45	8.5 NNE - 6.9 NE Nutterville	2	100	2.0
30	7	16	1997	15:00-15:02	4 SW - 4.2 SW Hogarty	0	75	0.2
31	7	16	1997	15:00-15:01	3 N Sunset	0	15	0.1
32	7	16	1997	15:09-15:11	2 NE - 1.8 NE Ringle	1	50	0.2
33	7	16	1997	15:20-15:22	2 N - 1.8 N Elderon	0	75	0.2
34	5	31	1998	00:20-00:21	4 WSW Mosinee	0	50	0.2
35	4	18	2002	18:13-18:27	3 SE Stratford - 6 NW Mosinee	1	100	14.0
36	4	18	2002	18:32	6 SSW Wausau Airport	0	25	0.1
37	7	30	2002	18:22-18:28	3 W - 0.8 W Central Wisconsin Airport	0	100	2.2
38	9	2	2002	17:04-17:06	5.2 W - 5 W Athens	0	75	0.2
39	9	2	2002	17:35-17:43	6 NW Wausau - 4 NE Wausau	1	200	5.0
40	6	4	2005	15:27-15:29	4 W - 4.5 WNW Edgar	0	75	1.2
41	6	4	2005	15:39-15:42	1 W - 1.5 NW Athens	0	100	1.3

TORNADO / WATERSPOUT REFERENCE GUIDE – MARATHON COUNTY

Event	Date			Time		F/EF	Width	Path
#	Month	Day	Year	(CST)	Direction / Location	Rank	(Yards)	(Miles)
42	6	4	2005	17:06	1 W - 1.5 NW Athens	0	100	1.3
43	6	4	2005	17:20	3 W Marathon	0	25	0.1
44	6	4	2005	19:18	7 S Hogarty	0	25	0.1
45	6	10	2005	13:03	4 W Mosinee	0	20	0.1
46	6	7	2007	15:01-15:14	1.4 W Peplin - 0.9 N Pike Lake	2	225	7.3
47	5	25	2008	20:00-20:01	3 ENE Knowlton	0	20	0.1
48	7	29	2008	15:27	3.6 NW Granite Heights	0	15	0.1
49	7	29	2008	15:59-16:00	6.3 NNW of Kalinke	0	25	0.1
50	4	10	2011	17:08-17:41	2 N Hamburg - 1 SW Bloomville	0	150	21.3
51	5	24	2012	18:01-18:07	3.7 SSE - 4.8 ENE Marathon	0	50	4.8
52	6	30	2016	18:16	0.8 WSW Poniatowski	0	50	0.1
53	8	4	2016	10:20-10:26	1.3 NNE Cherokee - 4.4 SSW Stratford	1	250	4.4
54	4	9	2017	23:54-23:55	5 SSW Taegesville - 4.9 S Taegesville	1	100	0.4
55	7	19	2019	19:20-19:30	1.5 SSW Moon - 3.9 ENE Knowlton	1	100	9.0
56	7	28	2021	19:39-19:44	4.8 SE Merrill - 2.8 NE Granite Heights	1	300	2.7
57	7	28	2021	20:18-20:19	0.4 SSE Peplin - 0.6 SSE Peplin	0	100	0.2

TORNADO / WATERSPOUT REFERENCE GUIDE – MARATHON COUNTY

Event 1: June 25, 1950

The F2 tornado touched down 3 miles west of Colby and traveled to three miles northeast of Abbotsford around 9 PM CST. There was no additional information on this tornado. The tornado traveled approximately 3 miles with a maximum width of 20 yards.

Event 2: June 20, 1954

The F2 tornado developed around 2:30 AM CST in Rothschild. The tornado traveled approximately 6.3 miles and dissipated six miles northeast of Mosinee around 2:40 AM CST. The maximum width of the tornado was 70 yards. Another tornado was reported in Brothertown in Calumet County around 4 AM CST.

Event 3: June 4, 1958

According to several sources, it appears that there was a long tracked F3 tornado that developed 6 miles southeast of Chippewa Falls in Chippewa County around 7:30 PM CST. The tornado then moved to the east northeast for just over 59 miles before dissipating 2 miles northwest of Athens in Marathon County around 8:06 PM CST. The tornado reached a maximum width of 880 yards. Newspaper accounts indicated there were three separate tornadoes during this event. The tornado or tornadoes killed 28 people across western Wisconsin. Four people died in Chippewa Falls and near Menomonie while two deaths were reported Knapp and Boyd in western Wisconsin.

Event 4: May 4, 1959

The F1 tornado was reported to touch down near Wausau around 10:30 AM CST. The tornado was 200 yards wide and traveled a mile before dissipating near Wausau.

Event 5: November 15, 1960

The F2 tornado developed near Chili in southeast Clark County. The tornado traveled for 36 miles into central Marathon County around 2:25 PM CST where the tornado dissipated near Rib Mountain. The tornado reached a maximum width of 100 yards. Main damage with the storm occurred near Chili and near the Town of Rib Mountain.

Event 6: September 3, 1961

The F2 tornado touched down near Fenwood around 12:10 AM CST and traveled about 2 miles. The tornado was 35 yards wide. Damage was confined to farm buildings and crops in rural western Marathon County.

Event 7: September 3, 1961

The F1 tornado touched down near Athens around 1 AM CST. The tornado was 35 yards wide and was on the ground for 2 miles.

Event 8: May 8, 1964

The F2 tornado touched down 7 miles east southeast of Knowlton around 5:50 PM CST. The tornado traveled about twelve miles to 5 miles west of Elderon. The tornado had a maximum width of five hundred yards.

Event 9: August 19, 1968

The F2 tornado formed about 4 miles east of Fenwood near County Trunk P just west of Highway 97 around 5:30 PM CST. The tornado traveled just over fourteen miles to the east before dissipating about eleven miles east of Fenwood. The maximum width of the tornado was 75 yards. Twenty-five barns mostly on the north side of County Trunk P were flattened. Damage was estimated at more than one million dollars.

TORNADO / WATERSPOUT REFERENCE GUIDE – MARATHON COUNTY

Event 10: September 28, 1971

A cold front moving through the state triggered scattered thunderstorms across the state. On this date, two long tracked F3 tornadoes were noted from near Stanley in western Wisconsin to Oconto County. The first tornado touched down 23 miles northeast of Eau Claire just south of Boyd and Stanley in Chippewa County around 2 PM CST. The tornado continued just south of Owen, north of Curtiss and south of Dorchester in Clark County. The tornado then moved into Marathon County south of Athens then weakened over Hamburg before finally dissipating just north of Merrill in Lincoln County around 4:05 PM CST. The tornado reached a maximum width of 300 yards and traveled 75 miles before dissipating. Damage was estimated near two million dollars.

Event 11: September 28, 1971

The second F3 tornado developed over the town of Hewitt northeast of Wausau around 4 PM CST. The town hall and four barns were destroyed in Hewitt. The tornado continued east northeast into Langlade County, passing about 6 miles south of Antigo and moved across the extreme northwest corner of Menominee County just south of White Lake. The tornado moved into Oconto County near Mountain, and then into Marinette County to Middle Inlet where the tornado dissipated around 5:20 PM CST. The tornado traveled 78 miles and reached a maximum width of 300 yards. The most severe damage occurred at Mountain where damage to buildings and trailers were estimated at \$200,000 dollars. Extensive damage to property and trees was reported in the Boulder Lake area where the lake level was reported to have dropped 5 inches. One person was injured at White Lake and four injuries were noted at Mountain, none seriously.

Event 12: June 18, 1973

The F1 tornado touched down on the Brunke Farm 2 miles west of Athens around 11 AM CST. The tornado was 200 yards wide and traveled east for two miles before dissipating.

Event 13: April 12, 1974

The F2 tornado briefly touched down 5 miles west of Athens around 2:05 PM CST. The tornado traveled 2 miles and reached a maximum width of 150 yards before dissipating. One barn was destroyed and wires down. Two horses in the field were rolled over by the tornado.

Event 14: June 13, 1976

The F1 tornado hit first about two miles west of Hogarty around 8 PM CST. The tornado skipped along and moved east northeast into extreme southwest Langlade County near Elmhurst and then continued to near Elton before dissipating at 8:10 PM. The tornado was 50 yards wide and traveled 21.3 miles. Some sheds were destroyed while windows of some buildings were damaged. Tree limbs and power lines were downed by the tornado.

Event 15: August 31, 1977

On the evening of the 31st, a devastating F3 tornado spun out a 27-mile-path of destruction across Marathon County around 6:15 PM CST. The first sighting of the tornado came seven miles southwest of Fenwood. The funnel base was described as reaching tree top levels as it downed barns in the area. The tornado continued to near Marathon City where more barns were destroyed. The tornado caused extensive damage to Ginseng crops in the area. In Rib Mountain, 15 homes were demolished, and 30 others were severely damaged. The storm moved into southwest Wausau damaging a mill and lumber yard. As the funnel cloud moved across the southern end of Wausau, brief touchdowns were noted at Grand Avenue and at Tenth and Manson Streets. The funnel lifted and moved eastward out of the city limits of Wausau, touching down for a final time on Linden Street. Barns and sheds were destroyed on Linden. The tornado reached a maximum width of a thousand yards. Property damage was close to two million dollars.

Event 16: July 15, 1982

The F1 tornado swept southeast from May Flower Lake into rural areas at the south end of the lake in Marathon County around 7:15 PM CST. The tornado was 50 yards wide and traveled three quarters of a mile. Several trees were downed, and one residence was damaged.

TORNADO / WATERSPOUT REFERENCE GUIDE – MARATHON COUNTY

Event 17: July 3, 1983

The F2 tornado was first spotted near a home 6 miles west of Unity in Clark County around 5:35 PM CST. The tornado skipped across Clark County, skirting just north of Unity and crossed Highway 13 into Marathon County. In Marathon County, the tornado struck a farm just east of Highway 13, flipping a truck and camper as well as ripping a shed off its foundation. The tornado then struck a farm one mile east of Colby and just south of Highway N destroying many trees. The next farm to the east was struck and two hay wagons were flipped over, and a chimney was knocked off. The tornado hit a farm three miles east of Colby and one mile south of Highway N. A large barn was pushed off its foundation. The tornado moved across Highway F just south of Cherokee, and into an 18-acre wooded lot destroying fifty large trees. Finally, a farm just east of Cherokee and south of Highway N took off the top of a silo. There were no further reports to the east. The tornado traveled approximately 6 miles and had a maximum width of fifty-five yards.

Event 18: June 26, 1984

The F1 tornado touched 13 miles north of Wausau around 4:55 PM CST. The tornado was 100 yards wide and skipped eastward for 8 miles before dissipating in the town of Texas. The tornado damaged four homes and three farm buildings. It also destroyed a few sheds and uprooted trees.

Event 19: September 24, 1984

The F2 tornado touched down thirteen and a half miles west southwest of Wausau around 4:50 PM CST, or one mile south of Highway P and one mile west of Highway 107. The tornado was 150 yards wide and traveled 12 miles before lifting on the east side of the Wisconsin River near Wausau. The tornado caused \$2.2 million dollars in damage in the townships of Emmett, Mosinee, Marathon, and Rib Mountain. Three homes were destroyed, eight sustained major damage and several barns and sheds were leveled. Numerous trees were reported down. The storm was accompanied by baseball size hail one mile northeast of Rothschild.

Event 20: July 2, 1987

A brief F1 tornado touched down just east of Pike Lake around 5:10 PM CST. The tornado was 75 yards wide and traveled two tenths of a mile before dissipating around 5:15 PM CST. Numerous trees were twisted and knocked down causing damage to seven homes, a boat trailer and one boat foundation.

Event 21: May 8, 1988

The F2 tornado developed four and a half miles southwest of Hadler around 5:10 PM CST. The tornado traveled 13 miles and reached a maximum width of 250 yards before dissipating in Rib Falls. Two people were injured in the town of Emmet when their mobile home trailer was rolled upside down. In all, three mobile homes, six large barns, three machine sheds and silos were destroyed with numerous buildings damaged. Thirty-nine acres of ginseng racks on sixteen farms were knocked off their posts causing \$450,000 in damage. The total cost of the tornado in Marathon County was over one million dollars in damage.

Event 22: September 19, 1988

The brief F0 tornado developed one mile west of Edgar at 4:37 PM CST. The tornado was 25 yards wide and only traveled a tenth of a mile. Little damage noted in the monthly storm report.

Event 23: June 12, 1990

The F1 tornado hit a farm 2 miles west of Stratford around 6:35 PM CST. The tornado was 25 yards wide and was only on the ground for a tenth of a mile. According to newspaper reports, there was damage to some farm structures.

Event 24: July 19, 1992

The F1 tornado formed 2 miles west southwest of Stratford around 3:54 PM CST. The tornado was 400 yards wide and was on the ground for only a quarter of a mile. The damage from the tornado included: a destroyed barn, two houses and one garage damaged while several trees were downed.

TORNADO / WATERSPOUT REFERENCE GUIDE – MARATHON COUNTY

Event 25: July 8, 1994

The F1 tornado touched 3 miles northwest of Elderon around 2 PM CST. The tornado was 75 yards wide and only traveled two tenths of a mile. The tornado moved a garage off its foundation and wrecked a house roof and shed three miles northwest of Elderon.

Event 26: August 7, 1996

The F2 tornado touched down six and a half miles north of Stratford around 1:45 AM CST, tearing the top portion of a home off, flattened a garage, and snapped off several large trees. The tornado continued east northeast for two and a half miles and reached a maximum width of 200 yards before dissipating two and a half miles north northwest of Fenwood around 1:49 AM CST. As the storm moved east, there was damage to a storage shed and thirty trees on a farm. A dozen of Ginseng shelters were thrown about. The tornado was not on the ground for the entire path.

Event 27: August 7, 1996

The brief F1 tornado touched down one mile north of Stratford around 1:46 AM CST. The tornado was 100 yards wide and only traveled two tenths of a mile before dissipating 1.2 miles northeast of Stratford around 1:47 AM CST. The tornado snapped off numerous large trees, some of which fell on the top of homes. In addition: a barn was flattened while a semi-trailer was flipped over, and a car moved 75 feet.

Event 28: August 7, 1996

The F1 tornado touched down four tenths of a mile southwest of Shantytown around 2:19 AM CST. The tornado was 100 yards wide and traveled nearly a half mile to Shantytown before dissipating around 2:21 AM CST. The tornado tore a 100 yard-swath through a cornfield. In Shantytown, the tornado tore the roof and garage off a home. Pieces of the roof were found one-quarter of a mile away from the home.

Event 29: July 16, 1997

The F2 tornado touched down eight and a half miles northeast of Nutterville around 2:40 PM CST. The storm traveled just over three miles and reached a maximum width of 100 yards before dissipating 6.9 miles northeast of Nutterville around 2:45 PM CST. The tornado damaged several homes, vehicles, silos, and destroyed numerous barns, sheds and crops. Twenty head of dairy cattle were killed or had to be destroyed. There were two other tornadoes with this tornadic supercell. Total damage to crops and property from the five tornadoes, hail and straight-line winds in Marathon County alone topped \$10 million.

Event 30: July 16, 1997

The F0 tornado developed 4 miles southwest of Hogarty around 3 PM CST. The tornado was 75 yards wide and traveled two tenths of a mile before dissipating 4.2 miles southwest of Hogarty around 3:01 PM CST.

Event 31: July 16, 1997

The F0 tornado touched down 3 miles north of Sunset around 3 PM CST. The tornado was 15 yards wide and was on the ground for a tenth of a mile before dissipating at 3:01 PM CST.

Event 32: July 16, 1997

The F1 tornado briefly touched down two miles northeast of Ringle around 3:09 PM CST. The tornado was 50 yards wide and only traveled two tenths of a mile before dissipating 1.8 miles northeast of Ringle around 3:11 PM CST.

Event 33: July 16, 1997

The F0 tornado touched down 2 miles north of Elderon around 3:20 PM CST. The tornado was 75 yards wide and traveled two tenths of a mile before dissipating 1.8 miles north of Elderon around 3:22 PM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – MARATHON COUNTY

Event 34: May 31, 1998

The brief F0 tornado touched down 4 miles west southwest of Mosinee at 12:20 AM CST. The tornado was 50 yards wide and was on the ground for two tenths of a mile before it dissipated 3.8 miles west southwest of Mosinee at 12:21 AM CST.

Event 35: April 18, 2002

The F1 tornado formed 3 miles southeast of Stratford around 6:13 PM CST. The tornado was 100 yards wide and traveled 14 miles before dissipating 6 miles northwest of Mosinee around 6:27 PM CST. The tornado downed hundreds of trees, while numerous barns and farm sheds were destroyed by a combination of the tornado and straight-line winds. Plows had to be used to clear trees from some of the roads.

Event 36: April 18, 2002

The brief F0 tornado touched down 6 miles south southwest of the Wausau Airport around 6:32 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado snapped several trees.

Event 37: July 30, 2002

The F0 tornado developed 3 miles west of the Central Wisconsin Airport at 6:22 PM CST. The tornado was 100 yards wide and traveled just over 2 miles on the ground before dissipating eight tenths of a mile west of the Central Wisconsin Airport at 6:28 PM CST. The tornado caused significant tree damage on a hill east of the Wisconsin River.

Event 38: September 2, 2002

The F0 tornado touched down 5.2 miles west of Athens at 5:04 PM CST. The tornado was 75 yards wide and was on the ground for two tenths of a mile before dissipating at 5:06 PM CST. The tornado caused minimal damage.

Event 39: September 2, 2002

The F1 tornado developed 6 miles northwest of Wausau around 5:35 PM CST. The tornado was 200 yards wide and was on the ground for five miles before dissipating 4 miles northeast of Wausau around 5:43 PM CST. The tornado destroyed two barns, a garage, and a shed. It also snapped hundreds of trees, heavily damaged 6 homes and caused minor damage to 25 others. At least two vehicles traveling on Highway 51 were blown off the road. A trailer being towed by one of the vehicles was blown over and a large road sign hit the vehicle. The driver was injured and transported to the hospital.

Event 40: June 4, 2005

The F0 touched down 4 miles west of Edgar at 3:27 PM CST. The tornado was 75 yards wide and was on the ground for 1.2 miles before dissipating four and a half miles west northwest of Edgar at 3:29 PM CST. No damage was noted in the month storm report for this tornado.

Event 41: June 4, 2005

The F0 touched down a mile west of Athens at 3:39 PM CST. The tornado was 100 yards wide and was on the ground for 1.3 miles before the tornado dissipated a mile and a half northwest of Athens at 3:42 PM CST. The tornado downed some trees, flattened a barn, and tore the roof from another barn.

Event 42: June 4, 2005

The F0 touched down 4 miles south of Athens at 5:06 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The monthly local storm report did not indicate any damage from this tornado.

Event 43: June 4, 2005

The F0 touched down 3 miles west of Marathon at 5:20 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The monthly local storm report did not indicate any damage from this tornado.

TORNADO / WATERSPOUT REFERENCE GUIDE – MARATHON COUNTY

Event 44: June 4, 2005

The F0 touched down 7 miles south of Hogarty at 7:18 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The monthly local storm report did not indicate any damage from this tornado.

Event 45: June 10, 2005

The F0 tornado touched down 4 miles west of Mosinee at 1:03 PM CST. The tornado was 20 yards wide and was on the ground for a tenth of a mile. No damage was noted in the monthly storm data.

Event 46: June 7, 2007

There were five tornadoes on this date across north central and northeast Wisconsin. The EF2 tornado developed nine tenths of a mile west Peplin in Marathon County around 3:01 PM CST. The tornado traveled just over 7 miles and reached a maximum width of 225 yards before it dissipated nearly a mile north of Pike Lane around 3:14 PM CST. At least 8 homes, 10 barns, and numerous trees were damaged.

Event 47: May 25, 2008

The EF0 tornado touched down 3 miles east northeast of Knowlton at 8 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile before dissipating at 8:01 PM CST. Several apple trees were damaged in a narrow path. A pine tree fell on a shed as well. The tornado was on the ground for less than 30 seconds.

Event 48: July 29, 2008

The EF0 tornado briefly touched down 3.6 miles northwest of Granite Heights in Marathon County at 3:27 PM CST. The tornado was 15 yards wide and traveled a tenth of a mile. Law enforcement witnessed the brief tornado touchdown north of Brokaw near the Lincoln County border. No damage was reported.

Event 49: July 29, 2008

The EF0 tornado briefly touched down 6.2 miles north northwest of Kalinke in Marathon County at 3:59 PM CST. The tornado was 25 yards wide and traveled a quarter of a mile before dissipating at 4 PM CST. The tornado touched down just south of County Line Road near County Road Q. Several trees in an open field were knocked over.

Event 50: April 10, 2011

The EF3 tornado developed about 2 miles north of Hamburg at 5:08 PM CST and moved northeast into Lincoln County at 5:10 PM CST. Pine trees were uprooted, and large branches were broken in the path of the storm. One house sustained damage to its siding and several barns were blown down or lost their roofs in Marathon County. The tornado was rated an EF0 in Marathon County. The average width of the tornado in Marathon County was 100 yards. The tornado reached EF3 intensity on the north side of Merrill in Lincoln County at approximately 5:22 PM CST where 22 homes and 7 businesses were destroyed. Several homes lost nearly all exterior and some interior walls. In addition, 22 homes and one business sustained major damage, and 20 homes and four businesses sustained minor damage. A 67-year-old male was thrown over 200 feet from his bedroom and suffered broken ribs, a ruptured spleen and a bruised lung. Another person sustained minor injuries. The tornado tore a path over 20 miles long in Lincoln County before dissipating. The maximum width of the tornado was six tenths of a mile (1050 yards) wide. The average width was about 400 yards.

TORNADO / WATERSPOUT REFERENCE GUIDE – MARATHON COUNTY



Event 51: May 24, 2012

The EF0 tornado formed 3.7 miles south southeast of Marathon at 6:01 PM CST and rapidly move northeast before dissipating 4.8 miles east northeast of Marathon at 6:07 PM. About 100 trees sustained large broken branches or were snapped by the tornado. No structures were damaged. The average path width was 50 yards.

Event 52: June 30, 2016

The EF0 tornado touched down nearly a mile west southwest of Poniatowski in Marathon County around 6:16 PM CST. The tornado traveled less than a tenth of a mile and was 50 yards wide. Minor damage was reported at a farm near Poniatowski. The tornado dissipated at 6:16 PM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – MARATHON COUNTY

Event 53: August 4, 2016

The EF1 tornado touched down a little over five miles of Colby (1.3 NNE Cherokee) in Marathon County around 10:20 AM CST. The tornado was 250 yards wide and affected sixteen homesteads and farms. One barn collapsed and three others sustained at least minor damage. Five homes sustained roof damage and several sheds were damaged or destroyed. A church steeple was damaged, and several dozen trees were snapped or uprooted. The average path wide was 125 yards with a maximum width of 250 yards. The tornado traveled just under four and a half miles before dissipating 4.4 miles south southwest of Stratford around 10:26 AM CST.

Event 54: April 9, 2017

The EF1 tornado touched about five miles south southwest of Taegesville (just west of Wausau) in Marathon County around 11:54 PM CST. The brief tornado developed in association with a small line of severe thunderstorms (straight line wind damage also reported) in Marathon County. Two structures sustained significant storm damage, with one building had its windows blown out along with roofing material ripped off the building. The other structure had a garage door blown off. Several other houses had minor damage. Around 100 mature pine trees were snapped. The tornado was approximately 100 yards wide and traveled just under a half of a mile before dissipating at 11:55 PM CST.

Event 55: July 19, 2019

The EF1 tornado touched down one and a half miles south-southwest of Moon in Marathon County around 7:20 PM CST. The tornado produced damage to dozens of trees, damaged the roof of an outbuilding and demolished an old barn in the town of Knowlton. Peak winds were estimated near 90 mph. The tornado was part of a line of severe thunderstorms that rolled across north-central and northeast Wisconsin during the evening. The tornado was 100 yards wide and traveled nearly nine miles before dissipating around 7:30 PM CST nearly four miles east-northeast of Knowlton.

Event 56: July 28, 2021

The EF1 tornado formed at 7:40 PM CST near Pine River or 4.8 miles southeast of Merrill in southern Lincoln County, damaging dozens of trees. The tornado continued south into Marathon County around 7:42 PM CST, damaging dozens of more trees before ending near the intersection of Shady Lane Road and Hazelwood Lane at 7:44 PM CST. The tornado path was estimated at 2.7 miles long, a maximum width of 300 yards and winds estimated around 90 mph.

Event 57: July 28, 2021

The brief EF0 tornado touched down west of Bevent or four tenths of a mile south-southeast of Peplin in Marathon County around 8:18 PM CST. The tornado produced damage to trees and a power pole. The total path length was estimated to be two-tenths of a mile with a width of 100 yards before dissipating at 8:19 PM CST six tenths of a mile south-southeast of Peplin.

TORNADO / WATERSPOUT REFERENCE GUIDE – MARINETTE COUNTY

Event	Date			Time		F/EF	Width	Path
#	Month	Day	Year	(CST)	Direction / Location	Rank	(Yards)	(Miles)
1	5	17	1958	15:40	3 W - 2 NE Wausaukee	2	80	4.7
2	8	30	1958	15:26	6 SE Wausaukee	1	100	1.5
3	7	8	1959	16:54	Niagara	2	50	1.0
4	6	9	1964	15:00	Pound	2	50	3.0
5	6	30	1968	04:45	3 S Pembine	1	100	0.5
6	8	19	1968	16:10	3 SW Pound - Marinette	4	75	21.8
7	7	14	1970	14:00	McAllister	1	33	1.0
8	6	18	1971	13:45	5 W Marinette	1	100	4.3
9	9	28	1971	17:15-17:25	Hewitt - Middle Inlet	3	200	15.0
10	9	16	1972	16:05	4 NW Wabeno - Upper Michigan	2	200	53.1
11	6	3	1973	18:15	2 NE Amberg	1	100	4.5
12	4	21	1974	15:25	4 NNW Crivitz	2	200	4.0
13	6	20	1979	14:30	Goodman	1	N/A	N/A
14	7	14	1984	20:35	1 SE Peshtigo	0	25	0.1
15	7	4	1986	19:00-19:25	2 S Niagara - Carney/Nadeau, MI	3	100	8.0
16	8	27	1994	21:41	1.5 S Wausaukee - 3 SE Wausaukee	1	75	4.0
17	7	27	2000	19:07-19:10	1.5 W - 1.1 WSW Harmony	0	50	0.4
18	7	27	2000	19:30	1.7 W Peshtigo	0	25	0.1
19	6	7	2007	16:37-16:40	0.5 W - 2.5 ENE Cedarville	1	200	3.0
20	6	7	2007	17:16-17:20	3.5 W Harmony - 1.2 N Harmony	1	200	3.6
21	8	19	2011	15:45-15:56	2.9 NW - 5.2 ESE Wausaukee	1	250	7.6
22	6	15	2022	17:31-17:35	9.4 WSW - 7.7 W Athelstane	2	375	1.9
23	6	15	2022	17:34-17:41	0.7 WSW Middle Inlet - 0.6 ENE Wausaukee	1	200	6.6
24	6	15	2022	17:45-17:54	5.3 NW Athelstane - 2.2 SE Beecher Lake	1	120	8.5
25	6	15	2022	18:00-18:04	2.7 ENE - 3.3 ENE Kremlin	1	115	0.7

TORNADO / WATERSPOUT REFERENCE GUIDE – MARINETTE COUNTY

Event 1: May 17, 1958

The F2 tornado developed 3 miles west of Wausaukee around 3:40 PM CST and traveled northeast for 4.7 miles before dissipating 2 miles northeast of Wausaukee. The tornado reached a maximum width of 80 yards.

Event 2: August 30, 1958

The F1 tornado was reported 6 miles southeast of Wausaukee around 3:26 PM CST. The tornado was 100 yards wide and traveled a mile before dissipating.

Event 3: July 8, 1959

The F2 tornado touched down in Niagara around 4:54 PM CST. The tornado traveled approximately one mile and had a maximum width of 50 yards. The tornado downed trees, flattened a garage, tore the roof off a house, bounced an automobile off a house, and hit a tavern. There were three injuries when the twister picked up their trailer home and dumped it 100 feet away.

Event 4: June 9, 1964

The F2 tornado touched down near Pound around 3 PM CST. The tornado traveled approximately 3 miles and had a maximum width of 50 yards.

Event 5: June 30, 1968

The F1 tornado touched down on the Zern property 3 miles south of Pembine around 4:45 AM CST. The tornado was 100 yards wide and traveled on the ground for a half mile. Trees and a garage were destroyed by the tornado.

Event 6: August 19, 1968

The funnel was first observed at about 4 PM CST near Breed but remained aloft until three miles southwest of Pound. The F4 tornado developed 3 miles southwest of Pound around 4:10 PM CST and traveled nearly 22 miles before dissipating in Marinette. The tornado moved east about 3 miles south of Highway 53, destroying farms near Pound and again just south of Marinette. Large hail three inches in diameter fell north of the tornado track. Two elderly brothers, John and Cecil Maloney were fatally injured as their farmhouse near Pound blew apart. A third brother James, who was in bed when the winds struck was found on some bed springs in a nearby cornfield. He was hospitalized in satisfactory condition. Two more people were injured at Marinette when the tornado struck near the airport. Nearly twenty counties were included in a series of thunderstorm warnings issued by the Weather Bureau.

Event 7: July 14, 1970

The F1 tornado was reported in McAllister around 2 PM CST. The tornado was less than 50 yards wide and traveled a mile. The tornado damaged a home and uprooted several trees.

Event 8: June 18, 1971

The F1 tornado struck about 5 miles west of Marinette, near Highway 64 and Right O Way Road around 1:45 PM CST. The tornado was 100 yards wide and traveled just over four miles before it dissipated. Many trees were uprooted, and several resort and farm buildings were damaged.

Event 9: September 28, 1971

The second F3 tornado developed over the town of Hewitt northeast of Wausau around 4 PM CST. The town hall and four barns were destroyed in Hewitt. The tornado continued east northeast into Langlade County, passing about 6 miles south of Antigo and moved across the extreme northwest corner of Menominee County just south of White Lake. The tornado moved into Oconto County near Mountain, and then into Marinette County to Middle Inlet where the tornado dissipated around 5:20 PM CST. The tornado traveled 78 miles and reached a maximum width of 300 yards. The most severe damage occurred at Mountain where damage to buildings and trailers were estimated at \$200,000 dollars. Extensive damage to property and trees was reported in the Boulder Lake area where the lake level was reported to have dropped 5 inches. One person was injured at White Lake and four injuries were noted at Mountain, none seriously.

TORNADO / WATERSPOUT REFERENCE GUIDE – MARINETTE COUNTY

Event 10: September 16, 1972

The F2 tornado formed 4 miles northwest of Wabeno in Forest County around 4:05 PM CST. The tornado tracked south of Athelstane, north of Wausaukee and into upper Michigan. The track reentered Wisconsin about 2 miles north of McAllister and cross over the Wisconsin Public Service Corporation Grand Rapids Power Dam. The tornado reentered upper Michigan 3 miles southwest of Ingalls around 5:15 PM CST moving across Highway 41 about two miles north of Wallace. The final path length of the tornado was 53 miles with the tornado reaching a maximum width of 200 yards. Several barns were flattened in the Wabeno area, otherwise damage was mainly to woods and overhead wires.

Event 11: June 3, 1973

The F1 tornado first touched down just north of Amberg around 6:15 PM CST. The tornado was 100 yards wide and moved four and a half miles across Marinette County before dissipating. The tornado upended several house trailers and destroyed several wooden structures at the Sparkling Springs Campground just north of Amberg. Several acres of trees were leveled at the campsite and northeastward to Assembly of God Church in Beecher Township.

Event 12: April 21, 1974

The F2 tornado touched down 4 miles north northwest of Crivitz around 3:25 PM CST. The tornado was 200 yards wide and traveled four miles before dissipating.

Event 13: June 20, 1979

Goodman was hit by the F1 tornado around 2:30 PM CST. The tornado tore the roof off Louisiana Pacific Corps Seaway Division. Clarence Richards, personnel manager said 100 to 125 people were working inside the building when the tornado struck. Company officials said some of the workers were trapped when the roof collapsed. Only one injury was reported. There was no documentation on path length or width of the tornado.

Event 14: July 14, 1984

The F0 tornado touched down near County trunks BB and B one mile southeast of Peshtigo around 8:35 PM CST. The tornado was 25 yards wide and traveled only a tenth of a mile. Numerous trees and power lines were downed and there was minor damage to a home.

Event 15: July 4, 1986

The F3 tornado touched down 2 miles south of Niagara at Highway 8 and Highway 141 around 7 PM CST. The tornado demolished a building next to a restaurant and slashed some trees. The tornado then skipped east-southeast and destroyed a home and garage, carrying its roof a half mile away. The tornado crossed the Menominee River and into the Carney-Nadeau area of Menominee County, Michigan around 7:25 PM CST. The tornado traveled 8 miles and was 100 yards wide.

Event 16: August 27, 1994

The F1 tornado developed a mile and half south of Wausaukee around 9:41 PM CST. The tornado was 75 yards wide and was on the ground for 4 miles before dissipating three miles southeast of Wausaukee around 9:50 PM CST.

Event 17: July 27, 2000

The F0 tornado first touched down 1.5 miles west of Harmony at 7:07 PM CST. The tornado was 50 yards wide and was on the ground for four tenths of a mile before it dissipated 1.1 miles west southwest of Harmony at 7:10 PM CST. Another EF0 tornado occurred at 7:30 PM CST 1.7 miles west of Peshtigo. The first tornado report was received even before the storm became visible on radar.

Event 18: July 27, 2000

The brief F0 tornado touched down 1.7 miles west of Peshtigo in Marinette County at 7:30 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile.

TORNADO / WATERSPOUT REFERENCE GUIDE – MARINETTE COUNTY

Event 19: June 7, 2007

The EF1 tornado developed a half mile west of Cedarville around 4:37 PM CST. The tornado was 200 yards wide and traveled three miles before it dissipated 2.5 miles east northeast of Cedarville around 4:40 PM CST. The tornado tore a significant portion of the roof from one home, snapped a few trees and uprooted numerous others. A manufactured home was moved off its foundation and down an embankment.

Event 20: June 7, 2007

The EF1 tornado developed three and a half miles west of Harmony around 5:16 PM CST. The tornado was 200 yards wide and traveled 3.6 miles before dissipating 1.2 miles north of Harmony, or 2.9 miles south-southwest of Porterfield around 5:20 PM CST. One person was injured by flying debris as she sought refuge in their home. The tornado flattened a barn, tore a significant part of a sheet metal roof from an outbuilding, blew in a garage door and tore part of a roof deck over the garage from a home that was under construction.

Event 21: August 19, 2011

The EF1 tornado quickly developed northwest of the city of Wausaukee during the late afternoon and moved southeast for nearly eight miles before dissipating. The twister touched down near Long Lake, snapping or uprooting hundreds of trees as it moved towards Wausaukee. A mobile home near Long Lake was heavily damaged by fallen trees, but the occupants escaped without injury. As the tornado moved into Wausaukee, it leveled another mobile home killing a 46-year-old male. Two additional buildings on the property sustained damage including a house that lost part of its roof. Two semi-trailers on the property were blown over. The tornado continued southeast, damaging a baseball field and hundreds of additional trees on the east side of Wausaukee. The tornado reached the Menominee River and briefly crossed into Upper Michigan before moving back into Wisconsin and dissipating near Highway 180. One tree fell on a home near Deer Lane Road.

Event 22: June 15, 2022

The EF2 tornado formed at 5:31 PM CST in near Silver Cliff in western Marinette County and tracked northeast before dissipating at 5:35 PM CST. The total path length was estimated at 1.9 miles with a maximum width of 375 yards. The peak wind speed was estimated to be around 112 mph.

Event 23: June 15, 2022

The EF1 tornado formed at 5:34 PM CST near Middle Inlet in central Marinette County and tracked northeast before dissipating at 5:41 PM CST near Wausaukee. The total path length was estimated at 6.6 miles with a maximum width of 200 yards. The peak wind was estimated to be around 93 mph.

Event 24: June 15, 2022

The EF1 tornado formed at 5:45 PM CST near Amberg in northern Marinette County and tracked east-northeast before dissipating at 5:54 PM CST. The total path length was estimated at 8.5 miles long with a maximum width of 120 yards. The peak wind was estimated to be around 95 mph.

Event 25: June 15, 2022

The EF1 tornado formed at 6 PM CST northeast of Pembine in extreme northeastern Marinette County and tracked east-northeast before dissipating around 6:04 PM CST. The total path length was estimated to be nearly seven tenths of a mile long with a maximum width of 115 yards. The peak wind was estimated to be around 104 mph.

TORNADO / WATERSPOUT REFERENCE GUIDE – MENOMINEE COUNTY

Event	Date			Time		F/EF	Width	Path
#	Month	Day	Year	(CST)	Direction / Location	Rank	(Yards)	(Miles)
1	9	28	1971	16:00-17:20	Hewitt (Marathon Co) - near Mountain	2	300	78.4
2	4	27	1984	14:55-15:40	Union (Waupaca Co) - Legend Lake	3	440	32.0
3	6	7	2007	15:32-15:48	4 W to 9.4 W Zoar Settlement	2	700	12.7

Event 1: September 28, 1971

The second F3 tornado developed over the town of Hewitt northeast of Wausau in Marathon County around 4 PM CST. The town hall and four barns were destroyed in Hewitt. The tornado continued east northeast into Langlade County, passing about 6 miles south of Antigo and moved across the extreme northwest corner of Menominee County just south of White Lake. The tornado moved into Oconto County near Mountain, and then into Marinette County to Middle Inlet where the tornado dissipated around 5:20 PM CST. The tornado traveled 78 miles and reached a maximum width of 300 yards. The most severe damage occurred at Mountain where damage to buildings and trailers were estimated at \$200,000 dollars. Extensive damage to property and trees was reported in the Boulder Lake area where the lake level was reported to have dropped 5 inches. One person was injured at White Lake and four injuries were noted at Mountain, none seriously.

Event 2: April 27, 1984

Another F3 tornado touched down on April 27th in Union township in Waupaca County around 2:55 PM CST. The tornado skipped north northeast to Legend Lake in Menominee County where the tornado dissipated around 3:40 PM CST. The tornado traveled 32 miles and reached a maximum width of 440 yards. Damage occurred to 41 homes and cabins, 5 barns, 19 garages and sheds as well as several hundred acres of forest. The hardest hit areas were around Marion in Waupaca County, the town of Pella in Shawano County, and the South Branch-Legend Lake areas of Menominee County. Overall, there were six tornadoes on this date across north central and northeast Wisconsin. The strongest tornado, an F4, occurred across Winnebago and Outagamie Counties around the same time these two tornadoes occurred. Across the state of Wisconsin, there were ten tornadoes reported on this date.



Event 3: June 7, 2007

By National Weather Service Green Bay Staff

Fast moving supercell thunderstorms with damaging winds, hail larger than 5 inches in diameter, and tornadoes ripped across central and northeast Wisconsin on June 7, 2007. Five tornadoes touched down in central and northeast Wisconsin.

Map of northeast Wisconsin and tornado tracks. Not denoted on the map is an area of straight-line wind damage in the Thunder Mountain area of western Marinette County, caused by the same supercell that produced the long-track tornado.

Menominee-Langlade-Oconto Counties Long-Track Tornado

A long-track EF3 tornado touched down at 3:31 PM CST east of Mattoon in Shawano County and continued northeast to the Oconto-Marinette County line. The tornado was on the ground for at least 40 miles and was over 1/2 mile wide at times. Over 14,000 acres of trees were snapped or flattened, and many dozens of buildings were damaged or destroyed. The twister was rated an EF3 on the Enhanced Fujita scale with estimated winds of 140 to 160 mph.

TORNADO / WATERSPOUT REFERENCE GUIDE – OCONTO COUNTY

Event	Date			Time		F/EF	Width	Path
#	Month	Day	Year	(CST)	Direction / Location	Rank	(Yards)	(Miles)
1	6	4	1966	19:00	Gillett - 2 NE Oconto Falls	2	50	4.9
2	6	4	1966	19:00	Suring	2	50	5.0
3	6	26	1969	11:15-11:30	3 W Seymour - 8 W Sobieski	3	100	15.3
4	9	28	1971	16:20-17:20	Hewitt - Middle Inlet	3	300	78.4
5	6	14	1974	16:10	5 NW Gillett	1	30	0.2
6	6	13	1976	20:15	Oconto Falls	1	50	0.2
7	6	16	1979	09:30	Oconto Falls - 2 NE Lena	2	100	15.2
8	5	30	1980	15:20	Oconto	1	50	1.0
9	4	25	1996	17:55-17:57	2 W Pensaukee	0	40	0.1
10	6	7	2007	15:31-16:18	2 ENE Mattoon - 9.5 ENE Lakewood	2	1320	19.1
11	7	9	2013	18:50-18:54	4.4 NNE Oconto - 5.2 NNE Oconto	0	100	1.6
12	7	6	2015	16:56-17:03	2.2 ENE Gillette - 2.6 SSW Kelly Brook	1	50	2.3

Event 1: June 4, 1966

There were two F2 tornadoes reported on this date in Oconto County. The F2 tornado touched down near Gillett and then traveled nearly 5 miles to two miles northeast of Oconto around 7 PM CST. The tornado was 50 yards wide. Another F2 tornado was reported near Suring around 7 PM CST. There was a total of three tornadoes across Oconto County on this night. The tornadoes brought 37 barns and many trees and wires down across the county near Gillett and Suring.

Event 2: June 4, 1966

There were two F2 tornadoes reported on this date in Oconto County. The F2 tornado was reported near Suring around 7 PM CST. The tornado was 50 yards wide and traveled for 2 miles before dissipating. Another F2 tornado touched down near Gillett and then traveled nearly 5 miles to two miles northeast of Oconto Falls in Oconto County around 7 PM CST. There was a total of three tornadoes across Oconto County on this night. The tornadoes brought 37 barns and many trees and wires down across the county near Gillett and Suring.

Event 3: June 26, 1969

A rare morning tornado was reported across northeast Wisconsin. Around 11:15 AM CST, the F3 tornado was noted moving northeast between Black Creek and near Pulaski in Outagamie County. The tornado traveled across far southeast Shawano County before dissipating 8 miles west of Sobieski in Oconto County around 11:30 AM CST. The tornado caused extensive damage to trees and buildings in Black Creek, Seymour, Hofa Park, Elm Lawn and near Pulaski. A seven-year-old girl was hospitalized from injuries when a barn fell on her. The tornado traveled 18 miles and reached a maximum width of 100 yards.

Event 4: September 28, 1971

The second F3 tornado on this date developed over the town of Hewitt northeast of Wausau in Marathon County around 4 PM CST. The town hall and four barns were destroyed in Hewitt. The tornado continued east northeast into Langlade County, passing about 6 miles south of Antigo and moved across the extreme northwest corner of Menominee County just south of White Lake. The tornado moved into Oconto County near Mountain, and then into Marinette County to Middle Inlet where the tornado dissipated around 5:20 PM CST. The tornado traveled 78 miles and reached a maximum width of 300 yards. The most severe damage occurred at Mountain where damage to buildings and trailers were estimated at \$200,000 dollars. Extensive damage to property and trees was reported in the Boulder Lake area where the lake level was reported to have dropped 5 inches. One person was injured at White Lake and four injuries were noted at Mountain, none seriously.

TORNADO / WATERSPOUT REFERENCE GUIDE – OCONTO COUNTY

Event 5: June 14, 1974

The F1 tornado touched down 5 miles northwest of Gillett around 4:10 PM CST. The tornado was 30 yards wide and traveled only a quarter of a mile. The tornado downed trees and power lines and threw a chopper wagon thirty yards.

Event 6: June 13, 1976

The F1 tornado developed just west of Oconto Falls around 8:15 PM CST. The tornado was 50 yards wide and traveled less than a quarter of a mile. The damage from the tornado included: a barn was destroyed, a farmhouse was damaged, trees and power lines were down, and a good portion of an orchard was destroyed.

Event 7: June 16, 1979

The F2 tornado developed near Oconto Falls around 9:30 AM CST. The tornado traveled just over 15 miles and reached a maximum width of 100 yards before dissipating 2 miles northeast of Lena. At least 17 frame and mobile homes along with numerous barns were damaged or destroyed. Heavy rains and large hail accompanied the tornado destroying crops along the thunderstorm path.

Event 8: May 30, 1980

The F1 tornado touched down at Highway 22 and Highway J near Oconto around 3:20 PM CST. The tornado was 50 yards wide and traveled one mile. Several buildings and cars were damaged as well as twisting off several trees.

Event 9: April 25, 1996

A cold-core F0 tornado briefly touched down 2 miles west of Pensaukee around 5:55 PM CST. The tornado was 40 yards wide and traveled a tenth of a mile before dissipating at 5:57 PM CST. Several 6 to 8 inches diameter birch trees were knocked down.

Event 10: June 7, 2007



By National Weather Service Green Bay Staff

Fast moving supercell thunderstorms with damaging winds, hail larger than 5 inches in diameter, and tornadoes ripped across central and northeast Wisconsin on June 7, 2007. Five tornadoes touched down in central and northeast Wisconsin.

Map of northeast Wisconsin and tornado tracks. Not denoted on the map is an area of straight-line wind damage in the Thunder Mountain area of western Marinette County, caused by the same supercell that produced the long-track tornado.

Menominee-Langlade-Oconto Counties Long-Track Tornado

A long-track EF3 tornado touched down at 3:31 PM CST east of Mattoon in Shawano County and continued northeast to the Oconto-Marinette County line. The tornado was on the ground for at least 40 miles and was over 1/2 mile wide at times. Over 14,000 acres of trees were snapped or flattened, and many dozens of buildings were damaged or destroyed. The twister was rated an EF3 on the Enhanced Fujita scale, with estimated winds of 140 to 160 mph.

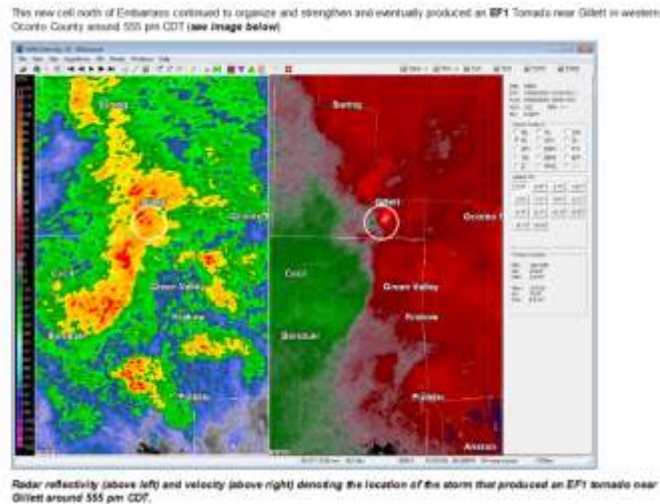
TORNADO / WATERSPOUT REFERENCE GUIDE – OCONTO COUNTY

Event 11: July 9, 2013

The EF0 tornado touched down about four and a half miles north northeast of Oconto in Oconto County at 6:40 PM CST. The tornado was observed by an eyewitness just east of Highway 41 near Swede Town Road and County Road A. The tornado moved east for about a mile and half toward the bay before dissipating at 6:54 PM CST. Dozens of trees were snapped and uprooted and blew over a recreational vehicle trailer along its path. The maximum width of the tornado was one hundred yards with an average width of seventy-five yards.

Event 12: July 6, 2015

The EF1 tornado touched down at 4:56 PM CST 2.2 miles east-northeast of Gillett. The tornado traveled two and a quarter mile and was 50 yards wide before dissipating 2.6 miles south-southwest of Kelly Brook at 5:03 PM CST. The tornado uprooted or snapped at least twenty trees and caused minor damage to a house.



Here are some damage photos from the Gillett tornado:



TORNADO / WATERSPOUT REFERENCE GUIDE – ONEIDA COUNTY

Event	Date			Time		F/EF	Width	Path
#	Month	Date	Year	(CST)	Direction / Location	Rank	(Yards)	(Miles)
1	6	25	1950	21:00	1 W Woodboro - 5 NE Rhinelander	4	880	13.1
2	6	20	1953	18:00	Three Lakes	1	100	2.0
3	5	4	1964	18:00-18:10	3 SW St. Germain - St. Germain	1	125	7.2
4	6	26	1969	17:00	Skawanaw - Pelican Lake	1	N.A	22.0
5	6	14	1980	13:25	1 E Rhinelander - Lake Thompson	1	50	1.5
6	6	14	1980	14:22	5 N Rhinelander	0	N/A	N/A
7	6	13	1981	20:40	1 N Hazelhurst	1	N/A	N/A
8	6	13	1981	21:00	Three Lakes	2	N/A	N/A
9	4	27	1984	14:37-15:07	Fawn Lake - Star Lake	3	880	29.0
10	6	8	1985	18:15-18:52	Park Falls - 3 SE Monico	3	2,640	47.0
11	7	4	1986	19:35-19:40	5 SE Hazelhurst	2	100	1.5
12	8	1	1988	18:20	3 S Hazelhurst	0	25	0.1
13	6	27	1991	18:20-18:30	12 WSW Minocqua - Marian Lake	2	400	6.0
14	8	9	1993	20:15	1 N Tripoli	0	50	0.3
15	8	14	2000	19:10	Lake Tomahawk	0	25	0.1
16	5	1	2001	20:55-21:00	0.4 NNE - NE Minocqua	1	125	1.5
17	9	6	2001	18:09-18:14	0.3 SSW Pelican Lake - 1.3 NNE Pelican Lake	0	30	0.5
18	4	18	2002	15:57	6 SW Woodboro	0	25	0.1
19	4	18	2002	16:33	4 E Rhinelander	0	25	0.1
20	7	11	2004	14:42-14:45	8 SW Harshaw	0	60	0.2
21	7	11	2004	15:43	1 W Goodnow	0	10	0.1
22	5	16	2017	19:12-19:13	5.9 - 5.5 WSW Enterprise	0	175	0.3
23	7	19	2019	18:49-18:58	5.5 SW Lake George - 2.4 NW Enterprise	0	50	5.4

TORNADO / WATERSPOUT REFERENCE GUIDE – ONEIDA COUNTY

Event 1: June 25, 1950

The F4 tornado touched down one mile west of Woodboro around 9 PM CST and traveled 13.1 miles to five miles northeast of Rhinelander. The tornado reached a maximum width of 880 yards. Two deaths were reported in Oneida County.

Event 2: June 20, 1953

The brief F1 tornado touched down in Three Lakes around 6 PM CST. The tornado was 100 yards wide and traveled two miles before dissipating. Trees and power lines were downed along with some damage to summer homes.

Event 3: May 4, 1964

The F1 tornado was first reported 10 miles southwest of St. Germain around 6 PM CST. The tornado traveled just over 7 miles before dissipating in St. Germain at 6:10 PM CST in Vilas County. The tornado had a maximum width of 125 yards. The local storm report indicated the tornado touched down twice and crossed over the Big St. Germain drawing water to a height of 200 feet. There was considerable damage to resorts and woods in the path of the tornado.

Event 4: June 26, 1969

The F2 tornado formed near Lac Du Flambeau on the Vilas / Oneida County line around 5 PM CST and skipped northeast for nearly 29 miles. The tornado dissipated along the Michigan border 9 miles northwest of Land O' Lakes. Maximum width of the tornado was 35 yards. Resort areas from Fence Lake northeastward across Big Crooked and High Lakes suffered damage.

Event 5: June 14, 1980

A small F1 tornado formed at Highway C one mile east of Rhinelander at 1:25 PM CST. The tornado was 50 yards wide and traveled eastward for a mile and a half before the tornado dissipated over Lake Thompson. A falling tree injured one person seriously and two other injuries were noted in a trailer court. One house and three trailers and several rural buildings suffered damage.

Event 6: June 14, 1980

The F0 tornado was reported 5 miles north of Rhinelander by the Oneida County sheriff's department at 2:22 PM CST. The brief tornado touched down in a rural area. There was no documentation on path length or width of the tornado.

Event 7: June 13, 1981

The F1 tornado touched down at the Timber Ridge Country Club on Route 51 one mile north of Hazelhurst around 8:40 PM. There was no documentation on path length or width of the tornado. The tornado destroyed about one thousand trees.

Event 8: June 13, 1981

There is very little information available on this F2 tornado that struck Three Lakes around 9 PM. Path length and width were not available.

Event 9: April 27, 1984

The F3 tornado developed near Fawn Lake in Oneida County around 2:37 PM CST. The tornado traveled to near Star Lake in Vilas County before dissipating around 3:07 PM CST. The tornado leveled several thousand acres of forest, destroyed or damaged 80 homes and cabins, ripped up docks and tossed boats in the air or wrapped them around trees. A Fawn Lake man was killed after getting his family to safety. The hardest hit areas were Fawn Lake, Two Lakes, Hasbrook and Gilmore Lakes in Oneida County. In Vilas County, the hardest hit areas were St. Germain Lake, Lost Lake and Star Lake. The tornado traveled 29 miles and reached a maximum width of 880 yards.

TORNADO / WATERSPOUT REFERENCE GUIDE – ONEIDA COUNTY

Event 10: June 8, 1985

A severe thunderstorm spawned a killer F3 tornado and dropped large hail as it rolled through Price and Oneida Counties, causing widespread property, crop, and timber damage. The tornado skipped from Park Falls to about 15 miles southeast of Rhinelander. The tornado first touched down one mile west of Park Falls around 6:15 PM CST and moved through the southern portion of the city. In Park Falls, 125 buildings were damaged with 12 houses and businesses were heavily damaged or destroyed. 26 people received mostly minor injuries in Park Falls. The tornado continued southeast, cutting an eighteen mile and 1.5-mile-wide swath through eastern Price County and into Minocqua in Oneida County where the tornado dissipated around 6:52 PM CST. Two people were killed and sixteen injured at Swamsauger Lake and Cedar Falls resort in the Willow Reservoir area in Oneida County. A man apparently drowned when the tornado lifted him and his house and deposited it into Swamsauger Lake. A woman was killed when a tree crashed through a vehicle in which she was seeking refuge. The tornado continued to the southwest portion of Rhinelander and then dissipated southeast of Monico. A total of 47 residences were heavily damaged or destroyed while another 43 more received some damage in Oneida County. Around 9,900 acres of timber and cranberry bogs were lost in Oneida County.

Event 11: July 4, 1986

The F2 tornado touched down on the south shore of Windpudding Lake or 5 miles southeast of Hazelhurst around 7:35 PM CST. The tornado heavily damaged seven cottages and leveled numerous trees. A shed was blown thirty feet through the air. A dog inside the shed survived. The tornado traveled a mile and a half and reached a maximum width of 100 yards before it dissipated around 7:40 PM CST.

Event 12: August 1, 1988

The brief F0 tornado occurred 3 miles south of Hazelhurst around 6:20 PM CST. The tornado was 25 yards wide and only traveled a tenth of a mile. The tornado damaged some trees.

Event 13: June 27, 1991

The F2 tornado touched down 12 miles west-southwest of Minocqua around 6:20 PM CST. The tornado cut a 6-mile swath from near Pine Lake to Franklin Lake to Marion Lake before dissipating around 6:30 PM CST. The tornado was 400 yards wide. Thirteen homes and one car were damaged along its path with damage estimated at \$350,000 dollars. In addition, 1,600 acres of industrial forest valued at \$240,000 were also damaged.

Event 14: August 9, 1993

The F0 tornado touched down one mile north of Tripoli around 8:15 PM CST. The tornado was 50 yards wide and traveled three tenths of a mile. Little damaged was noted with this tornado.

Event 15: August 14, 2000

The brief F0 tornado touched down at Lake Tomahawk at 7:10 PM CST. The tornado was 25 yards wide and was on the ground a tenth of a mile. The tornado damaged trees in the Lake Tomahawk area.

Event 16: May 1, 2001

The F1 tornado developed four tenths of a mile north of Minocqua around 8:55 PM CST. The tornado moved about a quarter of a mile before lifting of the ground. The tornado touched down again 1.8 miles east northeast of Minocqua and stayed on the ground for about 1.2 miles before dissipating. The tornado was 125 yards wide and was on the ground for about a mile and a half. Many pine trees were snapped 15 to 30 feet above the ground. A five-unit storage building was completely removed from its slab and several homes were damaged by fallen trees.

TORNADO / WATERSPOUT REFERENCE GUIDE – ONEIDA COUNTY

Event 17: September 6, 2001

The F0 tornado touched down three tenths of a mile south southwest of Pelican Lake around 6:09 PM CST. The tornado was 30 yards wide and was on the ground for a half mile before dissipating 1.3 miles north northeast of Pelican Lake around 6:14 PM CST. The tornado caused minor damage to the Pelican Lake Supper Club, blew the roof off a nearby house and destroyed a garage. The tornado also caused minor damage to the Pelican Lake Town Hall and uprooted several trees.

Event 18: April 18, 2002

The brief F0 tornado touched down 6 miles southwest of Woodboro at 3:57 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado snapped several trees.

Event 19: April 18, 2002

The brief F0 tornado touched down 4 miles east of Rhinelander at 4:33 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado snapped several trees.

Event 20: July 11, 2004

The brief F0 tornado touched down 8 miles southwest of Harshaw at 2:42 PM CST. The tornado was 60 yards wide and was on the ground for two tenths of a mile before dissipating at 2:45 PM CST. The tornado topped numerous trees onto power lines and damaged a pontoon boat.

Event 21: July 11, 2004

The brief F0 tornado touched down one mile west of Goodnow at 3:43 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile.

Event 22: May 16, 2017

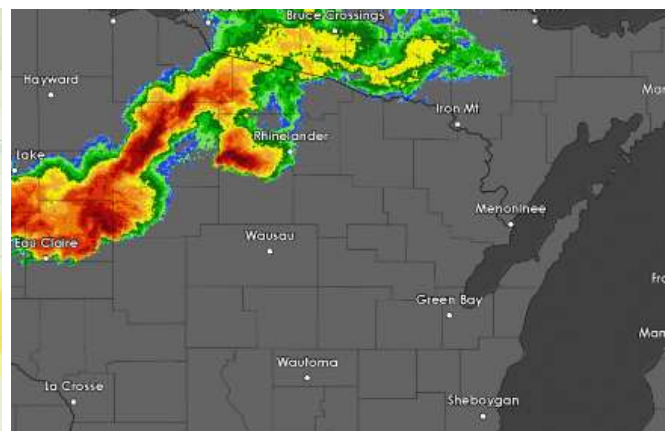
The EF0 tornado touched about five and a half miles west southwest of Enterprise in Oneida County around 7:12 PM CST. The brief tornado uprooted several hundred pine trees just north of Highway Q near the Oneida County/Langlade County line, or about 9.5 miles west-southwest of Pelican Lake. The EF0 tornado was approximately 175 yards wide and traveled about three tenths of a mile before dissipating at 7:13 PM CST about five and a half miles west southwest of Enterprise.

Event 23: July 19, 2019

The EF0 tornado touched down five and a half miles southwest of Lake George in Oneida County around 6:49 PM CST. The tornado produced a path of scattered tree damage west of Pelican Lake. Peak winds were estimated around 80 mph. The tornado was 50 yards wide and traveled nearly five and a half miles before dissipating just over two miles northwest of Enterprise around 6:58 PM CST.



Tornado Track and Storm Damage



Radar Image

TORNADO / WATERSPOUT REFERENCE GUIDE – OUTAGAMIE COUNTY

Event 1: May 6, 1959

The F2 tornado developed near Symco in Waupaca County and traveled a little over 7 miles to three miles southeast of Clintonville in Outagamie County around 3:20 AM CST. A second tornado hit Outagamie County later that afternoon.

Event 2: May 6, 1959

The F2 tornado touched down 3 miles northeast of Shiocton and traveled nearly 2 miles before dissipating around 1:30 PM CST. The tornado reached a maximum width of 200 yards. The tornado flattened a barn on the farm of Mrs. Matilda Gehring. Numerous trees were damaged in a nearby wooded lot while a shed on a nearby farm sustained damage.

Event 3: August 28, 1959

Several funnel clouds were reported near the Outagamie County Airport by a pilot, and several other funnel clouds were noted by the Kimberly, Little Chute and Kaukauna police. The F2 tornado touched down about 3 miles north of Appleton around 2:04 PM CST. The tornado traveled approximately a mile before dissipating and had a maximum width of 35 yards.

Event 4: May 8, 1964

Another long tracked F2 tornado on this date moved across northeast Wisconsin. The tornado developed near Winneconne in Winnebago County around 6:30 PM CST. The tornado traveled northeast across Menasha, striking the John Strange Paper Company. The tornado continued into Neenah, near the Fox Point Shopping Center. The Fox Point Shopping Center suffered extensive damage where windows were blown in, and sections of the roof were blown off. The tornado continued into the southeast corner of Appleton near the Calumet Street power substation. The tornado finally dissipated in Wrightstown around 7:06 PM. At least ten barns were destroyed near Kaukauna.

Event 5: August 5, 1968

The F1 tornado touched down 3 miles northwest of Seymour around 2 PM CST. The tornado was 150 yards wide and was on the ground for two miles before dissipating. Nine barns and farm buildings were destroyed.

Event 6: August 16, 1968

The F2 tornado touched down near Kaukauna and traveled 2 miles before dissipating around 12:30 PM CST. The maximum width of the tornado was 100 yards. The Mueleman farm near Kaukauna experienced severe damage. A barn was destroyed along with many trees. His home also suffered damage as the roof was torn off and windows were knocked out.

Event 7: June 26, 1969

A rare morning F3 tornado was reported across northeast Wisconsin. Around 11:15 AM CST, the F3 tornado was noted moving northeast between Black Creek and near Pulaski. The tornado traveled across far southeast Shawano County before dissipating 8 miles west of Sobieski in Oconto County around 11:30 AM CST. The tornado caused extensive damage to trees and buildings in Black Creek, Seymour, Hofa Park, Elm Lawn and near Pulaski. A seven-year-old girl was hospitalized from injuries when a barn fell on her. The tornado traveled 18 miles and reached a maximum width of 100 yards.

Event 8: December 1, 1970

The F3 tornado developed around 10:15 AM CST near Medina. The tornado moved northeastward at approximately 50 mph destroying about twenty barns and five homes. The tornado caused additional property damage along a track from Medina to Black Creek and beyond to near County Trunk C in southeastern Shawano County. The tornado was 200 yards wide, traveled 30 miles before dissipating around 10:45 AM CST near Rose Lawn in Shawano County. Damage to farm buildings was estimated at \$500,000 dollars. Damage to a transmission line a mile and a half east of Stephenville was estimated at \$100,000.

TORNADO / WATERSPOUT REFERENCE GUIDE – OUTAGAMIE COUNTY

Event 9: July 12, 1973

The F1 tornado developed 4 miles west of Freedom around 8 AM CST. The tornado was 100 yards wide and traveled one mile. Farm buildings were destroyed on the Ken Geiger farm 4 miles west of Freedom.

Event 10: June 13, 1976

The F1 tornado developed near county highway H and Highway 54 about five miles east of Seymour around 8 PM CST. The tornado was 50 yards wide and traveled a half mile. Three barns were destroyed.

Event 11: May 30, 1980

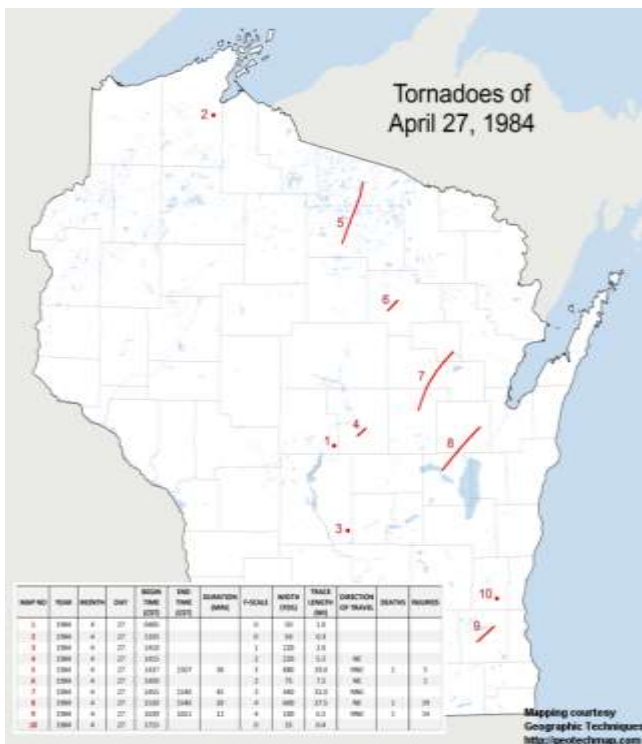
The F1 tornado touched down about 2 miles outside of Black Creek around 4:05 PM CST. The tornado traveled east around 4 miles before dissipating around 4:14 PM CST two miles east of Black Creek. An intermittent four-mile path 50 yards wide resulted in damage to several garages in Black Creek.

Event 12: May 6, 1982

The F2 tornado cut a 9 mile-path from 2 miles south of Stephenville to one mile south of Black Creek around 2:30 PM CST. The tornado reached a maximum width of 100 yards. Many small rural structures were destroyed. Some damage occurred to 12 large farm buildings and equipment inside. Two additional large barns were destroyed. Most of the damage occurred in Ellington Township.

Event 13: April 27, 1984

The article for this date was written by Scott Cultice, forecaster at the National Weather Service in Green Bay. During the late afternoon of April 27, 1984, multiple super cell thunderstorms developed ahead of a strong cold front that moved across Wisconsin. Ten tornadoes were reported across the state, including three killer tornadoes: Tornadoes were reported in northern Wisconsin near St. Germain, one west of Appleton, and the third in southeast Wisconsin in Waukesha County. This outbreak of killer tornadoes was one of the bigger outbreaks in northeast Wisconsin since accurate tornado records began in 1950.



TORNADO / WATERSPOUT REFERENCE GUIDE – OUTAGAMIE COUNTY

Event 13: April 27, 1984 Continued

The Fox Valley Tornado

Around 3:20 PM CST, a tornado formed near the town of Butte des Morts in northern Winnebago County and quickly intensified into a destructive tornado. The violent storm moved northeast across the town of Clayton, killing one person, and destroying many houses. The tornado continued to track northeast toward the northwest side of the city of Appleton. By about 3:40 PM CST, the tornado wreaked havoc across the western edge of the Outagamie County Airport and near the town of Greenville. The tornado finally dissipated near Freedom.

An estimated two dozen homes were destroyed and many more were damaged across the Fox Valley that afternoon. The storm killed one person and injured 19 more. Total cost of the destruction over the Fox Valley was \$2.5 million (\$15 million in today's dollars). The tornado traveled on the ground at about 40 mph and, for a short time, was over one quarter mile wide. The twister was on the ground for over 27 miles. It was classified as an F4 tornado, now referred to as an EF4 on today's Enhanced Fujita Scale (wind speeds of 166-200 mph).

Other tornadoes on April 27, 1984 across Northeast Wisconsin

In addition to the Fox Valley tornado, five other tornadoes were reported across central and northeast Wisconsin that day. An F3 tornado, with winds estimated near 140 mph, tore through Oneida and Vilas counties, killing one person south of St. Germain and injuring eight others. Another F3 tornado was reported across Waupaca, Shawano, and Menominee counties causing considerable damage. Other tornadoes were observed over Wood, Portage, and Langlade counties.

Event 14: May 16: 1992

The F1 tornado formed near Lamers and Clancy Roads near Kaukauna around 7:20 pm CST. The tornado was 100 yards wide and traveled several miles into extreme southwest Brown County where it dissipated 2 miles southwest of Wrightstown around 7:30 PM CST. Numerous trees were down, some of which landed on houses.

Event 15: June 23, 2004

The F1 tornado touched down in at least four locations from Little Chute to Kaukauna between 8 PM and 8:08 PM CST. The tornado was 100 yards wide and traveled 3.5 miles before dissipating. The tornado toppled or twisted large trees, ripped parts of the roofs from residential and commercial buildings, destroyed storage sheds and an old barn. Semi-trailers were overturned, some of them onto other vehicles.

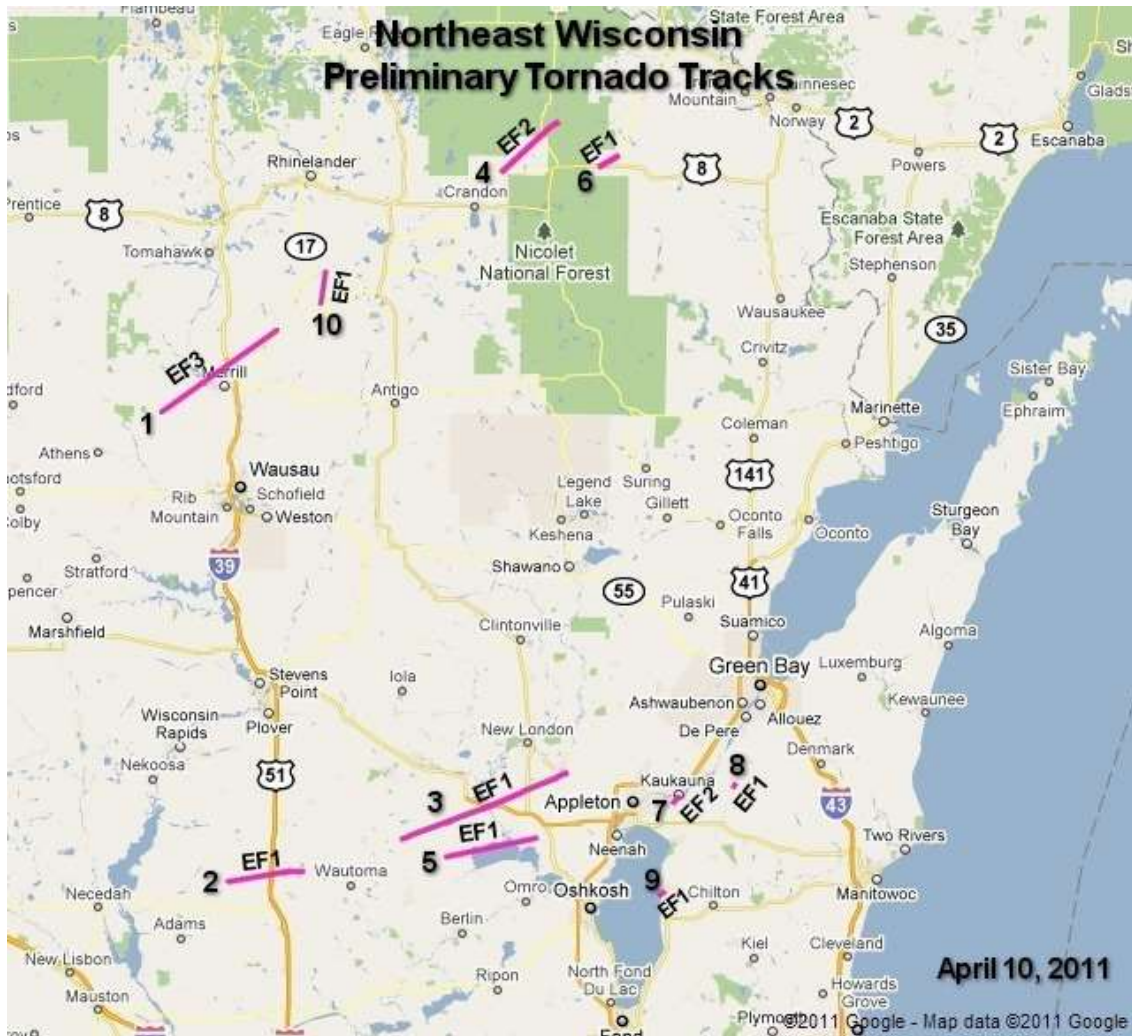
Event 16: June 13, 2005

The F0 tornado touched down 4.1 miles north northeast of Black Creek at 2:49 PM CST. The tornado was 75 yards wide and was on the ground two tenths of a mile before it dissipated 4.1 miles north northeast of Black Creek at 2:50 PM CST. The tornado knocked down a tree and caused damage to shingles at a residence.

Event 17: April 10, 2011

The EF1 tornado developed at approximately 6:06 PM CST one mile southwest of Saxeville in Waushara County and moved east-northeast across east-central Wisconsin. Numerous pine trees were snapped or uprooted near the initial point of contact. As the tornado moved into West Bloomfield, several farm buildings were heavily damaged, including a barn that collapsed. The tornado had an average width of 100 yards, but it was not on the ground continuously. The tornado entered Waupaca County at 6:20 PM CST southwest of Fremont. Several farm buildings were impacted by the tornado in addition to many trees. Near Readfield, a barn was lifted and rolled off its foundation. A poorly anchored house roof, which overhung the house walls was completely removed and the debris, strewn nearly a quarter of a mile to the northeast. The average width of the tornado was 100 yards. The tornado moved into Outagamie County at 6:32 PM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – OUTAGAMIE COUNTY

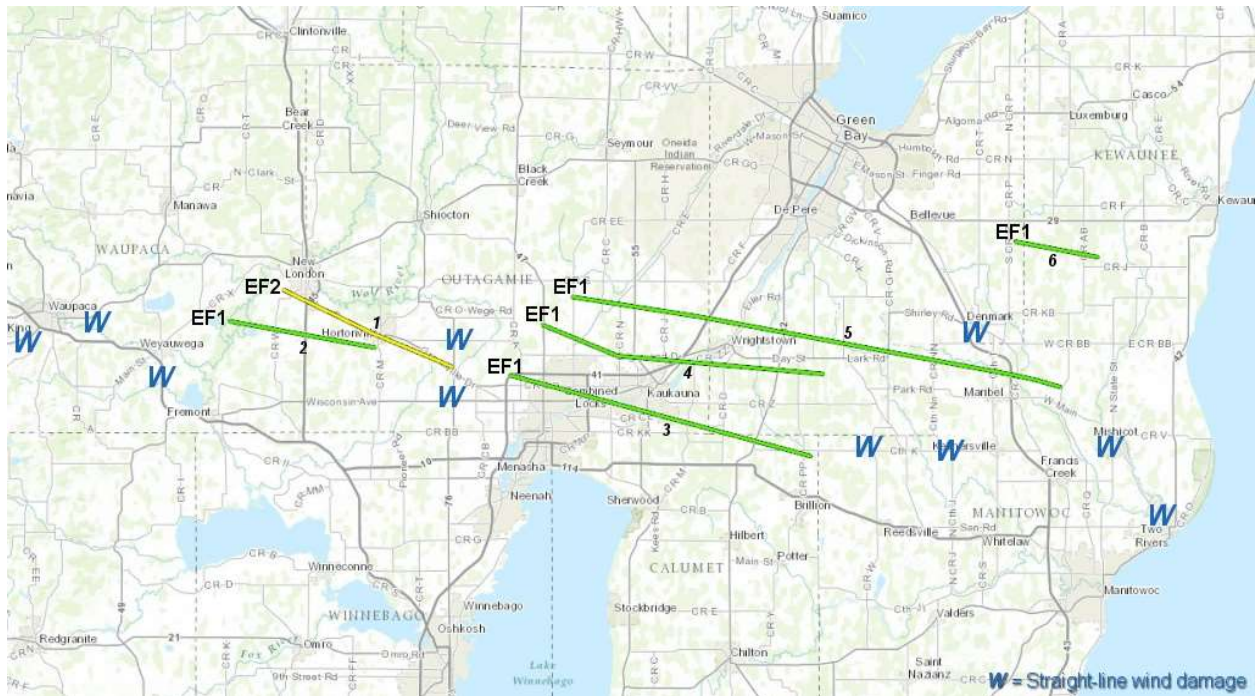


Event 18: April 10, 2011

The EF2 tornado touched down in the southwest side of Kaukauna near County Road CE at 7:43 PM CST. The tornado cut through the center of a subdivision as it moved north-northeast to near the Fox River before lifting off the ground. Seven homes were destroyed, 24 homes and four businesses sustained major damage and 160 other homes sustained minor damage. Several houses lost large sections of their roofs in the hardest hit area of the city. The average path width was 125 yards.

TORNADO / WATERSPOUT REFERENCE GUIDE – OUTAGAMIE COUNTY

Rare Late Evening / Early Morning Tornadoes on August 6-7, 2013



Event 19: August 6, 2013

The first of six late night tornadoes to strike Northeast Wisconsin on this date, the EF0 tornado touched down four miles north northeast of Partridge Lake in Waupaca County at 11:22 PM CST. The tornado was traveling at a rate of 60 to 70 mph. The tornado hit a campground, blowing several camper trailers over. Two people sustained minor injuries at the campground. Over one hundred trees were snapped or uprooted along the path in Waupaca County. The tornado moved into Outagamie County about 3.1 miles south of New London at 11:26 PM CST. The tornado damaged or uprooted trees as it moved across Outagamie County. Based on radar analysis, the circulation of this tornado may have merged with the other tornado that was occurring concurrently in the county near Hortonville. The tornado traveled 9.8 miles before dissipating eight tenths of a mile west southwest of Hortonville at 11:30 PM CST. The maximum width of the tornado in Outagamie and Waupaca Counties was 125 yards, with an average width of 75 yards in both counties.

Event 20: August 6, 2013

The second of six late night tornadoes to strike Northeast Wisconsin on this date, the EF2 tornado touched down 1.2 miles west of New London in Waupaca County at 11:24 PM CST. The tornado was traveling at a rate of 60 to 70 mph. The tornado struck a church (figure 1 below), causing severe damage. A large portion of the roof collapsed, causing failure to two walls. A wall on the new portion of the church was pushed in. In addition, hundreds of trees were snapped or uprooted. Several homes along the path sustained damage, mainly from fallen trees. The average path width in Waupaca County was 100 yards with a maximum width of 175 yards. The tornado now an EF1 entered Outagamie County at 11:25 PM CST a little over a mile southeast of New London, damaging or uprooting hundreds of trees along the path. Several homes in a two-block area of Hortonville were damaged (roof and siding) by falling trees. The average path width was 100 yards with a maximum width of 175 in Outagamie County. The tornado traveled 13.1 miles before dissipating four tenths of a mile west southwest of Greenville.

TORNADO / WATERSPOUT REFERENCE GUIDE – OUTAGAMIE COUNTY



Figure 1: Church (southeast New London damaged by a tornado. Peak winds were estimated at 115 to 120 mph.

Event 21: August 6, 2013

The third of six late night tornadoes to strike Northeast Wisconsin on this date, the EF1 tornado touched down four tenths of a mile west of Mackville in Outagamie County at 11:38 PM CST. The tornado was traveling at a rate of 60 to 70 mph. The tornado caused a barn to collapse, and heavily damaged a boat showroom in Little Chute. Another barn lost part of its roof northwest of Kaukauna. Damage to trees was sporadic as it moved through Outagamie County. The maximum width of the tornado in Outagamie County 175 yards, with an average width of one hundred yards. The tornado moved into southern Brown County, about two miles southwest of Wrightstown around 11:48 PM CST. In Brown County, the tornado uprooted or snapped dozens of trees as it moved east, just south of Greenleaf. A house lost an attached garage when winds blew in the garage door and caused a large portion of the garage roof to lift off. The walls of a nearby building collapsed. The maximum width of the tornado in Brown County was 175 yards and average width was 125 yards. The tornado traveled 19.2 miles before dissipating 2.7 miles west of Morrison at 11:53 PM CST.

Event 22: August 6, 2013

The fourth of six late night tornadoes to strike Northeast Wisconsin on this date, the EF1 tornado touched down three and a half miles east of Greenville in Outagamie County at 11:38 PM CST. The tornado was traveling at a rate of 60 to 70 mph as it moved across northern portions of Appleton, Kimberly, and Kaukauna. The tornado caused some roof damage to the Northland Mall and caused roof and window damage to two small retail buildings. The storm then knocked over four wood electrical poles and uprooted or heavily damaged hundreds of trees in a nearby neighborhood. Although houses in the area sustained relatively minor wind directly, fallen trees caused considerable collateral damage to roofs, siding and vehicles. The maximum width of the tornado in Outagamie County was 150 yards, with an average width of 125 yards. The EF1 tornado entered Brown County a little over a mile west of Holland around 11:49 PM CST. A few trees were knocked over by the tornado. The average path width in Brown County was 150 yards. The EF1 tornado moved into Calumet County 1.6 miles northwest of Forest Junction around 11:50 PM CST. In Calumet County, the tornado damaged about three dozen trees. Two metal truss towers collapsed under the weight of several high voltage power lines which were likely moving in unison as their resonance frequency was reached. Engineers inspected the damaged estimated winds around 100 mph. The maximum width in Calumet County was 175 yards with an average width of 125 yards. The tornado traveled 20.7 miles before dissipating a little over two and a half miles north northeast of Brillion around 11:52 PM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – OUTAGAMIE COUNTY

Event 23: August 6, 2013

The fifth of six late night tornadoes to strike Northeast Wisconsin on this date, the EF1 tornado touched down 2.7 miles east northeast of Mackville in Outagamie County at 11:40 PM CST. The tornado was traveling at a rate of 60 to 70 mph as it moved across the Fox Valley. The tornado caused significant damage to several outbuildings and barns and flattened sections of mature corn fields. The roof of a power substation was damaged. The maximum path width was 200 yards, with an average width of 150 yards. The tornado now an EF0 moved into Brown County just under two miles northwest of Wrightstown near Highway 41 around 11:48 PM CST. The tornado first hit the Apple Creek Campground, snapping fifty trees, and knocking over two camping trailers. As the tornado moved across southern Brown County, at least seventy homes sustained at least minor damage, many from fallen trees. A large free-standing garage was heavily damaged when the tornadic winds blew in two garage doors, causing the roof to be ripped off. The maximum width of the tornado in Brown County was 250 yards, with an average width of 175 yards. The tornado moved into Manitowoc County 4.1 miles northwest of Rosencrans around 12:01 AM CST. The tornado strengthened to an EF1 in Manitowoc County. The tornado damaged several outbuildings and a roof of a barn. A 110-year-old stone structure at the Maribel Caves County Park was knocked over by the strong winds. The damage survey revealed the tornado ended a couple miles east of Maribel, but straight-line wind damage continued into the east part of the county. The tornado in Manitowoc County has a maximum width of 250 yards and average width of 125 yards. The tornado traveled thirty-three miles across three counties before dissipating.

Event 24: June 10, 2016

The EF0 tornado touched down at 6 PM 1.3 miles southwest of Mackville in Outagamie County. The tornado traveled nearly a mile and a half to the southeast before dissipating at 6:03 PM CST. The tornado was 25 yards wide. Damage was limited to broken tree branches and limbs with estimated peak winds of 55 to 60 mph. The tornado was photographed by a storm spotter.

Event 25: June 14, 2017

The EF1 tornado touched down just over two and a half miles southwest of Appleton in far northeastern Winnebago County near the village of Fox Crossing around 2:28 PM CST. In Winnebago County, the tornado damaged nearly two dozen trees and uprooted several others. One house sustained roof damage by a fallen tree. The tornado then moved into Outagamie County about 1.8 miles south of Appleton at 2:29 PM CST. The tornado continued into Outagamie County as an EF0 tornado. In Outagamie County, the tornado uprooted or snapped several dozen trees, some of which fell on houses along its path across the southeast side of Appleton. Two large industrial buildings suffered damage on Appleton's east side. One building's large HVAC system was blown off its roof and another large building had several overhead doors blow in and lost portions of its roof and a wall. A self-service car wash lost its roof in Kimberly. In Little Chute, a building had an HVAC unit damaged, and a couple of trees were knocked down. The tornado dissipated at 2:37 PM CST after crossing I-41 north of Kaukauna.

Event 26: June 14, 2017

The EF0 tornado touched down nearly three miles south-southwest of Mackville in Outagamie County around 2:30 PM CST. The tornado caused minor damage to a house and ripped small limbs off trees. The tornado was 50 yards wide and traveled 2.8 miles before dissipating two miles southeast of Mackville around 2:34 PM CST.

Event 27: June 14, 2017

The EF0 tornado touched down nearly three miles east-northeast of Bear Creek in Outagamie County around 2:31 PM CST. The tornado uprooted several trees in a saturated soil and broke off limbs to a dozen more trees. A metal barn roof was blown off and another barn collapsed. The tornado was 50 yards wide and traveled four miles before dissipating around 2:38 PM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – OUTAGAMIE COUNTY

Event 28: June 14, 2017

The EF1 tornado touched down nearly two miles west of Nichols in Outagamie County (rated EF0 at the time) around 2:40 PM CST. The tornado removed some shingles and siding off a house. The tornado moved out of Outagamie County about 1.4 miles north of Nichols. The tornado strengthened into an EF1 tornado just south of Navarino. In Shawano County, a detached garage/outbuilding was swept off its foundation. Another garage/outbuilding collapsed with the walls falling outward. A stand of pines across the street had a 75 yard-wide by 125 yards long area that were blown down and snapped in a convergent pattern. The tornado was 100 yards wide and traveled four miles before dissipating 1.2 west-northwest of Briarton around 2:45 PM CST.

Event 29: July 20, 2019

The EF0 tornado touched down nearly two miles south-southwest of New London in Waupaca County at 10:09 AM CST. The tornado damaged a few trees before entering Outagamie County at 11:10 AM CST about 1.4 miles south of New London. In Outagamie County, the tornado continued northeast and destroyed a storage shed, heavily damaged trees and ripped shingles and siding off a house. A power pole also fell onto a car. Peak winds were estimated around 90 mph. The maximum width of the tornado was 90 yards and traveled seven and a half miles before dissipating around 10:20 AM CST nearly three miles southwest of Shiocton.

Event 30: July 20, 2019

The EF1 tornado touched down around 10:18 AM CST nearly two and a half miles east of Hortonville in Outagamie County. The tornado damaged three power poles, destroyed a car port of an outbuilding, partially damaged two outbuildings, removed siding off a couple houses, and damaged trees along its path. Estimated peak winds were around 90 mph. The tornado was 5 yards wide and traveled around three and a half miles before dissipating around 10:22 AM CST just over three miles east-southeast of Stephenville.

Event 31: July 20, 2019

The EF0 tornado touched down around 10:22 AM CST nearly two miles northeast of Greenville in Outagamie County. The brief tornado damaged a few tree limbs and took some shingles and siding off a house northeast of Greenville. A power pole was also damaged. Peak winds were estimated near 85 mph. The tornado was 50 yards wide and nearly three quarters of a mile before dissipating around 10:23 AM CST around two and a half miles northeast of Greenville.

Event 32: July 20, 2019

The EF0 tornado touched down around 10:36 AM CST just over three miles east-northeast of Little Chute in Outagamie County. The tornado damaged the roof of a barn and silo top northeast of Kaukauna. Peak winds were estimated at 80 mph. The tornado was 50 yards wide and traveled just over a mile before dissipating around 10:38 AM CST just over four miles east-northeast of Little Chute.

Event 33: August 10, 2021

The EF1 tornado touched down at 4:58 PM CST northwest of Black Creek, or 1.3 miles southeast of Stinson in Outagamie County. The tornado continued southeast, damaging trees and to the siding and roof of a house before dissipating at 5:11 PM CST. The total path length was estimated just over 2 miles with a maximum width of 40 yards. Peak winds were estimated to be around 90 mph.

Event 34: June 15, 2022

The EF1 tornado formed at 5:09 PM CST near Leeman in north-central Outagamie County and then continued northeast entering Shawano County at 5:11 PM CST. The tornado dissipated near Navarino in eastern Shawano County at 5:18 PM CST. The tornado path length was estimated at 8.2 miles long with a maximum width of 80 yards. The peak wind speed was estimated at 94 mph.

TORNADO / WATERSPOUT REFERENCE GUIDE – OUTAGAMIE COUNTY

Event 35: June 15, 2022

The EF0 tornado formed at 5:10 PM CST in the northeast corner of cemetery southwest of Black Creek in central Outagamie County. The tornado tracked northeast before dissipating at 5:20 PM CST a mile and a half east of Seymour. The total path length was estimated at 9.4 miles with a maximum width of 400 yards. The peak wind speed was estimated to be around 105 mph.

TORNADO / WATERSPOUT REFERENCE GUIDE – PORTAGE COUNTY

Event	Date			Time		F/EF	Width	Path
#	Month	Day	Year	(CST)	Direction / Location	Rank	(Yards)	(Miles)
1	9	26	1951	15:45-16:08	9 SSW Amherst - Bear Creek	4	100	22.3
2	4	3	1956	12:50	3 S Bancroft - 2 NW Amherst	2	100	18.2
3	4	19	1957	16:00	Coddington - Bancroft	1	30	12.6
4	6	23	1962	19:00	15 E Stevens Point	0	N/A	N/A
5	8	22	1964	14:00	6 W Bancroft - Grant	2	300	7.0
6	7	7	1970	15:00	Bancroft	2	100	2.0
7	12	1	1970	07:00	Hull	1	200	2.7
8	6	9	1974	14:45	Bancroft	1	30	2.5
9	6	12	1976	20:30	1 W Alban	2	50	0.2
10	6	12	1976	21:00	Amherst	1	50	0.3
11	6	13	1976	19:00	Plover	2	50	0.3
12	6	13	1976	18:40-19:20	4 W Wisconsin Rapids - 3 NE Stevens Point	1	100	13.0
13	3	30	1982	14:05-14:40	Armenia - 3 SW Stevens Point	1	35	28.0
14	4	27	1984	14:15	0.5 S Plover	2	220	5.5
15	5	8	1988	17:12	3 W Keene	0	25	1.0
16	5	16	1992	14:30	5 N Junction City	1	400	1.3
17	5	16	1992	18:10-18:30	4 W Keene - 5 SE Amherst	2	400	11.0
18	10	8	1992	17:12	4 NE Blaine	1	100	2.0
19	6	23	2004	18:46-18:48	3 NNW Almond - 3 NNE Almond	1	25	1.5
20	6	23	2004	18:47	Whiting	0	10	0.1
21	6	23	2004	18:53-18:56	3 SE Blaine - 5 ESE Blaine	1	100	2.5
22	5	22	2011	17:03-17:20	5.5 SSE Cranmoor - 4.8 SE Arnott	1	700	31.6
23	7	9	2013	16:44-16:45	4.2 S Bancroft	0	25	0.2
24	7	12	2017	19:30-19:32	2.2 S Custer - 2.3 NNE Arnott	0	30	0.7

TORNADO / WATERSPOUT REFERENCE GUIDE – PORTAGE COUNTY

Event 1: September 26, 1951

The F4 tornado touched down 9 miles south southwest of Amherst around 3:45 PM CST. The tornado then cut through the towns of Waupaca and Lebanon in Waupaca County. The tornado traveled 22.3 miles and reached a maximum width of 400 yards before dissipating 2 miles southwest of Bear Creek in Waupaca County around 4:08 PM CST. A family of five was killed near Waupaca; while a 40-year-old woman was killed near New London when a farm home was flattened.

Event 2: April 3, 1956

A strong spring storm killed 43 people nationwide, including eight in Wisconsin on this date. The F2 tornado developed 3 miles south of Bancroft around 12:50 PM CST. The tornado traveled 18.2 miles to two miles northwest of Amherst before dissipating. The tornado reached a maximum width of 100 yards. Two fatalities were reported in Portage County.

Event 3: April 19, 1957

The F1 tornado touched down in Coddington or 12 miles southwest of Bancroft around 4 PM CST. The tornado traveled about 12 miles and reached a maximum width of less than 50 yards before dissipating in Bancroft.

Event 4: June 23, 1962

The F0 tornado touched down 15 miles east of Stevens Point around 7 PM CST.

Event 5: August 22, 1964

The F2 tornado touched down six miles west of Bancroft and traveled approximately 7 miles to the town of Grant around 3 PM CST. The tornado had a maximum width of 300 yards.

Event 6: July 7, 1970

The F2 tornado touched down in Bancroft around 3 PM CST. The tornado moved east southeast for two miles and reached a maximum width of a hundred yards before dissipating. Damage was confined to a machine shed and tore the roof off a new school.

Event 7: December 1, 1970

A rare tornado event occurred across north central and northeast Wisconsin on this date. In all, there were four tornadoes on this date, including a F3. What made this event even more unusual was the time of day with all four tornadoes reported between 7 am and 10:45 AM in the morning. The F1 tornado touched down on the Richard Rutta farm in the town of Hall north of Stevens Point. The tornado was 200 yards wide and traveled nearly 3 miles before dissipating.

Event 8: June 9, 1974

The tornado formed in Adams County and then the F1 tornado moved into southwest Portage County where it touched down briefly on the Sawyer Farm Route 1, Bancroft around 2:45 PM CST. The tornado was 30 yards wide and traveled two and a half miles. The tornado damaged a barn, a chicken coop, and a porch on house. Only minor tree damage was noted.

Event 9: June 12, 1976

The F2 tornado touched down a mile west of Alban around 8:30 PM CST. The tornado only traveled about a quarter of a mile and reached a maximum width of fifty yards. The tornado leveled a mobile home a mile west of Alban.

Event 10: June 12, 1976

The F1 tornado touched down near Amherst around 9 PM CST. The tornado was 50 yards wide and traveled around a quarter of a mile. The Amherst High School roof was ripped off.

TORNADO / WATERSPOUT REFERENCE GUIDE – PORTAGE COUNTY

Event 11: June 13, 1976

The F1 tornado formed 4 miles west of Wisconsin Rapids in Wood County around 6:40 PM CST. The tornado continued to move east northeast to three miles northeast of Stevens Point near the intersection of Highway 51 and Business 51 before dissipating around 7:20 PM CST three miles northeast of Stevens Point. The tornado traveled nineteen miles and reached a maximum width of 100 yards. Many trees were flattened. In Stevens Point, scattered damage was reported just north of the city and a roof was blown off an apartment complex. Several other buildings also suffered damage. Two people in the apartment complex were injured from fallen debris.

Event 12: June 13, 1976

The F2 tornado was observed by the police chief of Plover around 7 PM CST. The tornado touched down at the intersection of Highway 54 and County B. The tornado was only on the ground for about a quarter of a mile and had a maximum width of about fifty yards.

Event 13: March 30, 1982

The tornado initially touched down in the township of Armenia in Juneau County where it destroyed a house and 3 nearby mobile homes. Two occupants of the house were injured. The F1 tornado then moved northeast to just southeast of Nekoosa in Wood County around 2:05 PM CST. The tornado traveled intermittently on a 28 mile-path before dissipating 3 miles southwest of Stevens Point in Portage County around 2:40 PM CST.

Event 14: April 27, 1984

There were ten tornadoes on this date across the entire state. The F2 tornado touched down a half mile south of Plover around 2:15 PM CST. The tornado was 220 yards wide and traveled five and a half miles before dissipating. At least nine homes and numerous sheds and barns were destroyed. A bun feeder wagon was thrown 150 yards which snapped a 65-foot cement silo. Ping pong size hail accompanied the storm.

Event 15: May 8, 1988

The F0 tornado touched down in rural areas 3 miles west of Keene around 5:12 PM CST. The tornado was 25 yards wide and traveled a mile before dissipating.

Event 16: May 16, 1992

The F1 tornado touched down 5 miles north of Junction City around 2:30 PM CST. The tornado was 400 yards wide and traveled 1.3 miles before dissipating. The tornado damaged three homes, two sheds, and a mobile home roof 5 miles north of Junction City.

Event 17: May 16, 1992

The F2 tornado touched down 4 miles west of Keene around 6:10 PM CST. The tornado was 400 yards wide and traveled eleven miles to 5 miles southeast of Amherst before dissipating around 6:30 PM CST. The tornado tossed a mobile home in the middle of a road in Plover Township and damaged fourteen homes, two farms, and a large amount of irrigation equipment.

Event 18: October 8, 1992

The F1 tornado touched down about 4 miles northeast of Blaine and moved through the township of Lanark around 5:12 PM CST. The tornado was 100 yards wide and was on the ground for 2 miles. Ten homes and buildings were damaged, a barn, a garage was destroyed, and numerous trees were knocked down.

Event 19: June 23, 2004

The F1 tornado touched down 3 miles west northwest of Almond around 6:46 PM CST. The tornado was 25 yards wide and was on the ground for a mile and a half before dissipating 3 miles north northeast of Almond around 6:48 PM CST. The tornado knocked down several trees and a fence, damaged the roof of a house and damaged some outbuildings.

TORNADO / WATERSPOUT REFERENCE GUIDE – PORTAGE COUNTY

Event 20: June 23, 2004

The F0 tornado touched down in Whiting at 6:47 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile. The tornado caused minor tree damage in an industrial park in Whiting. Eyewitnesses observed water being sucked out of a pond at the same time as doors to an office was sucked open.

Event 21: June 23, 2004

The F1 tornado touched down 3 miles southeast of Blaine around 6:53 PM CST. The tornado was 100 yards wide and traveled two and a half miles to 5 miles east southeast of Blaine at 6:56 PM CST. The tornado downed trees and overturned an irrigation system.

Event 22: May 22, 2011

The EF1 tornado moved out of Juneau County at 5:03 PM CST and moved across southern Wood County. The storm hit a campground on the east shore of the Wisconsin River about three miles south of Nekoosa. Over 100 pine trees were snapped and uprooted on the campground, some two feet in diameter. Several camper vehicles were damaged by fallen trees. The tornado was seen by campground visitors just before 5:15 PM CST. The tornado continued east-northeast and snapped or uprooted hundreds of additional trees south of Wisconsin Rapids. The storm damaged at least six homes and several other buildings about six miles south-southeast of Wisconsin Rapids. One of the houses lost the entire roof of a garage. A woman was in the garage at the time. She sustained injuries when the garage fell on the truck that she was taking shelter in. This area experienced a high-end EF1 damage with winds at least 95 to 105 mph. The tornado entered Portage County around 5:20 PM CST. The tornado moved across mainly farmland. The twister continued to snap trees and overturn agricultural irrigation systems. About six miles south of Plover, a nearly half-mile long row of power poles was bent over. The tornado crossed Interstate 39 at Coddington Road two miles west of Keene. The tornado grew to nearly 700 yards wide as it passed just north of Keene and heavily damaged a farmstead. A silo was damaged, and a barn was flattened. Several outbuildings were also damaged or destroyed. Along the path, at least two dozen irrigation systems were overturned and damaged resulting in over one million dollars in losses. Many hundreds of trees were snapped or uprooted. This area experienced high end EF1 damage with winds of 100 to 110 mph. The tornado dissipated about 9 miles southeast of Plover at 5:46 PM CST. The average width was 300 yards in Portage County.

Event 23: July 9, 2013

The EF0 tornado touched down 4.2 miles south of Bancroft in Portage County around 4:44 PM CST in an open field just west of Interstate 39. The tornado was observed by a storm spotter and did no damage. The maximum width was 25 yards and traveled less than two tenths of a mile before dissipating at 4:45 PM CST.

Event 24: July 12, 2017

The EF0 tornado touched down just over two miles south of Custer in Portage County around 7:30 PM CST. The tornado produced minor crop damage and damaged the roof of an outbuilding which resulted in the building losing a wall. The tornado was 30 yards wide and traveled seven tenths of a mile before dissipating just over two miles north-northeast of Arnott around 7:32 PM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – SHAWANO COUNTY

Event	Date			Time		E/EF	Width	Path
#	Month	Day	Year	(CST)	Direction / Location	Rank	(Yards)	(Miles)
1	6	9	1964	14:55	Belle Plaine	1	N/A	N/A
2	8	16	1968	21:20	5 SE Hofa Park	2	100	1
3	6	26	1969	11:15-11:30	Black Creek - Pulaski	3	100	15.3
4	12	1	1970	09:45-10:30	4 NW Iola - Pella	2	200	32.0
5	12	1	1970	10:10-10:20	Medina to Rose Lawn	2	35	30.0
6	4	12	1974	14:15	Wittenberg - Bowler	2	150	10.7
7	5	30	1980	14:30	4 S Shawano	1	50	2.0
8	9	20	1980	23:15	Mattoon	1	35	0.5
9	7	3	1983	19:00	Birnamwood	1	50	0.5
10	4	27	1984	14:55-15:40	Union - Legend Lake	3	440	32.0
11	6	26	1984	19:00	Caroline	1	50	4.0
12	9	14	1991	18:00	2 W Green Valley	0	25	0.1
13	7	8	1994	14:16	3 SE Aniwa	1	75	0.2
14	6	3	2007	18:11	1.6 ESE Shawano	0	10	0.1
15	6	7	2007	15:31-16:18	2 ENE Mattoon - 9.5 ENE Lakewood	1	300	40.0
16	8	23	2011	17:56-17:57	0.9 - 1.1 SE Briarton	0	50	0.2
17	5	17	2015	14:31-14:40	1.6 WSW Morgan - 3.4 NE Morgan	0	75	4.8
18	7	6	2015	16:03-16:04	1.1 E Pella Airport	0	25	0.1
19	6	4	2016	18:00-18:01	0.9 NE Shawano Lake	0	50	0.1
20	6	14	2017	12:47	2.0 NE Gresham	0	25	0.1
21	6	14	2017	14:40-14:45	1.9 W Nichols - 1.2 WNW Briarton	1	100	4.0
22	6	14	2017	14:45-14:51	1 SE Briarton - 0.9 ESE Landstad	1	75	5.1
23	6	14	2017	14:51-14:59	1.7 SSE Angelica - 1.7 SW Krakow	1	150	5.8
24	6	14	2017	14:53-14:55	2 NW Hofa Park - 0.7 NE Frazier	0	50	3.1
25	10	3	2018	18:08-18:09	1.2 SW - 0.7 SSE Mattoon	0	25	1.0
26	8	11	2021	13:08-13:09	1 SW Angelica - 0.8 SSW Angelica	0	41	0.4
27	6	15	2022	16:34-16:46	1.2 ESE Wittenberg - 2.8 NNW Bowler	1	125	9.4
28	6	15	2022	16:46-16:47	4 NNE Bowler - 4.5 NNE Bowler	1	50	0.6
29	6	15	2022	17:09-17:11	0.9 E Leeman - 2.3 NE Leeman	1	80	8.2

TORNADO / WATERSPOUT REFERENCE GUIDE – SHAWANO COUNTY

Event 1: June 9, 1964

The F1 tornado was sighted in Belle Plaine around 2:55 PM CST. The Adams Beach area was hit the hardest according to newspaper reports.

Event 2: August 16, 1968

The F2 tornado first formed about 5 miles southeast of Hofa Park in extreme eastern Shawano County on the Brown - Shawano County line. The tornado moved east about a mile and dissipated four miles south of Pulaski around 9:20 PM CST. The tornado reached a maximum width of 100 yards. A 40-year-old dance hall on Highway 29 at the Shawano - Brown County line was destroyed. The building exploded and debris was scattered over nearby fields. The 73-year-old owner was hospitalized.

Event 3: June 26, 1969

A rare morning tornado was reported across northeast Wisconsin. Around 11:15 AM CST, the F3 tornado was noted moving northeast between Black Creek and near Pulaski in Outagamie County. The tornado traveled across far southeast Shawano County before dissipating 8 miles west of Sobieski in Oconto County around 11:30 AM CST. The tornado caused extensive damage to trees and buildings in Black Creek, Seymour, Hofa Park, Elm Lawn and near Pulaski. A seven-year-old girl was hospitalized from injuries when a barn fell on her. The tornado traveled 18 miles and reached a maximum width of 100 yards.

Event 4: December 1, 1970

Four rare and only December tornadoes were reported on this date across north central and northeast Wisconsin. The F2 tornado touched down with severe damage around 9:45 AM CST on the Heschke farm 4 miles northwest of Iola in Waupaca County. The tornado moved east for 32 miles across Waupaca County into Shawano County before dissipating in Pella around 10:30 AM CST. The maximum width of the tornado was 200 yards. Additional damage occurred in the Marion and Pella areas. A lady and her three small children escaped injury when their mobile home was lifted by the tornado and exploded with debris scattered over the field.

Event 5: December 1, 1970

The F3 tornado developed around 10:15 AM CST near Medina in Outagamie County. The tornado moved northeastward at approximately 50 mph destroying about twenty barns and five homes. The tornado caused additional property damage along a track from Medina to Black Creek and beyond to near County Trunk C in southeastern Shawano County. The tornado was 200 yards wide, traveled 30 miles before dissipating around 10:45 AM CST near Rose Lawn in Shawano County. Damage to farm buildings was estimated at \$500,000 dollars. Damage to a transmission line a mile and a half east of Stephenville was estimated at \$100,000.

Event 6: April 12, 1974

The F2 tornado touched down in Wittenberg around 2:15 PM CST. The tornado traveled nearly 11 miles and reached a maximum width of 150 yards before dissipating near Bowler. Several farms between Wittenberg and Bowler were destroyed. The Wendler farm in the town of Morris and the Watters and Hintz farms in the town of Seneca sustained severe damage. One injury was reported when Mr. Hintz was injured when he was struck by a flying board.

Event 7: May 30, 1980

The F1 tornado touched down at Highway 187 four miles south of Shawano around 2:30 PM CST. The tornado was 50 yards wide and traveled 2 miles before dissipating. A house trailer was destroyed and scattered debris two miles to the northeast.

Event 8: September 20, 1980

The Mattoon area was struck by the F1 tornado around 11:15 PM CST. The tornado was 35 yards wide and traveled a half mile before dissipating. Several buildings were damaged by the tornado.

TORNADO / WATERSPOUT REFERENCE GUIDE – SHAWANO COUNTY

Event 9: July 3, 1983

The F1 tornado touched down in Birnamwood around 7 PM CST. The tornado was 50 yards wide and traveled a half mile.

Event 10: April 27, 1984

The F3 tornado touched down on April 27th in Union township in Waupaca County around 2:55 PM CST. The tornado skipped north northeast to Legend Lake in Menominee County where the tornado dissipated around 3:40 PM CST. The tornado traveled 32 miles and reached a maximum width of 440 yards. Damage occurred to 41 homes and cabins, 5 barns, 19 garages and sheds as well as several hundred acres of forest. The hardest hit areas were around Marion in Waupaca County, the town of Pella in Shawano County, and the South Branch-Legend Lake areas of Menominee County. Overall, there were six tornadoes on this date across north central and northeast Wisconsin. The strongest tornado, an F4, occurred across Winnebago and Outagamie Counties around the same time these two tornadoes occurred. Across the state of Wisconsin, there were ten tornadoes reported on this date.

Event 11: June 26, 1984

The F1 tornado touched down on the west side of Caroline around 7 PM CST. The tornado was 50 yards wide and traveled 4 miles before dissipating east of Caroline. On the west side of Caroline, the tornado flattened sheds and knocking over several large trees and gravestones in a cemetery. A church roof was ripped off on the east side of Caroline. The entire town was without power for three hours.

Event 12: September 14, 1991

The F0 tornado touched down briefly 2 miles west of Green Valley around 6:00 PM CST. The tornado was 25 yards wide and only traveled a tenth of a mile. Damage was confined to some trees and a pair of sheds.

Event 13: July 8, 1994

The F1 tornado formed three miles southeast of Aniwa around 2:16 PM CST. The tornado was 75 yards wide and only traveled two tenths of a mile. The tornado destroyed a garage and toppled trees three miles southeast of Aniwa.

Event 14: June 3, 2007

The brief EF0 landspout was reported about 2 miles east southeast of Shawano at 6:11 PM CST. The landspout lasted 20 seconds and was observed and photographed. No damage was reported.



Event 15: June 7, 2007

By NWS Green Bay Staff

Fast moving supercell thunderstorms with damaging winds, hail larger than 5 inches in diameter, and tornadoes ripped across central and northeast Wisconsin on June 7, 2007. Five tornadoes touched down in central and northeast Wisconsin. Map of northeast Wisconsin and tornado tracks. Not denoted on the map is an area of straight-line wind damage in the Thunder Mountain area of western Marinette County, caused by the same supercell that produced the long-track tornado.

Menominee-Langlade-Oconto Counties Long-Track Tornado

A long-track EF3 tornado touched down at 3:31 PM CST east of Mattoon in Shawano County and continued northeast to the Oconto-Marinette County line. The tornado was on the ground for at least 40 miles and was over 1/2 mile wide at times. Over 14,000 acres of trees were snapped or flattened, and many dozens of buildings were damaged or destroyed. The twister was rated an EF3 on the Enhanced Fujita scale, with estimated winds of 140 to 160 mph,

TORNADO / WATERSPOUT REFERENCE GUIDE – SHAWANO COUNTY

Event 16: August 23, 2011

The EF0 tornado touched down near Briarton shortly before 6 PM CST along Shady Road in Shawano County just north of the Outagamie County line. Tall grass and a hay field were flattened in a cyclonic pattern. In addition, about a dozen trees had snapped limbed. Peak winds were estimated at 65 to 70 mph. The average path width was 50 yards.

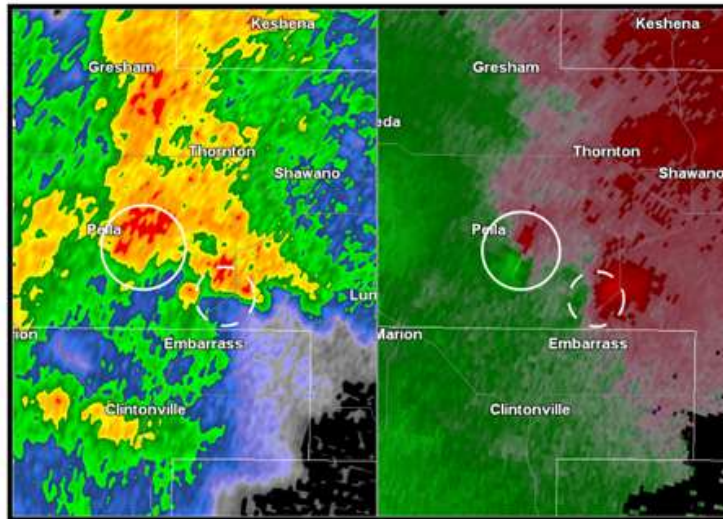
Event 17: May 17, 2015

The EF0 tornado touched down at 2:31 PM CST just over a mile and a half west-southwest of Morgan in Shawano County. The tornado produced intermittent damage along a nearly five miles long path, dissipating at 2:40 PM CST just over three miles northeast of Morgan. At least a dozen trees along the path sustained damaged and a barn lost several shingles. The tornado had a maximum width of 75 yards.

Event 18: July 6, 2015

The EF0 tornado touched down at 4:03 PM CST just over a mile east of the Pella Airport. The tornado traveled nearly a tenth of a mile and was 25 yards wide before dissipating at 4:04 PM CST. The tornado tore off part of a barn and sent wooden pallets into a nearby field. Radar image and storm damage depicted below.

As this cell continued to move northeast into Shawano County, it produced another very weak tornado (EF0) that briefly touched down near Pella in central Shawano County around 5 pm CDT (denoted by the white circle in the image below). The dashed circle in the image below denotes a new circulation associated with a different cell that was developing to the southeast of the Pella (just north of Embarrass).



Radar reflectivity (above left) and velocity image (above right) associated with brief tornado touchdown near Pella (denoted by solid circle in the image above). Dashed circle denotes a new circulation that eventually produces a tornado near Gillett about 50 minutes later.

Here are some damage photos from the Pella tornado:



TORNADO / WATERSPOUT REFERENCE GUIDE – SHAWANO COUNTY

Event 19: June 4, 2016

The EF0 tornado touched down at 6 PM nearly a mile northeast of Shawano Lake in Shawano County. The tornado traveled a tenth of mile and was 50 yards wide before dissipating at 6:01 PM CST. A very weak waterspout occurred on Loon Lake, about five miles northeast of the city of Shawano. The waterspout was photographed and recorded by law enforcement, remained nearly stationary for about a minute before dissipating. The tornado caused no damage.

Event 20: June 14, 2017

The EF0 tornado touched down in an open field two miles northeast of Gresham near the Shawano/Menominee County line (tornado was photographed) at 12:47 PM CST. The tornado was twenty-five yards wide and traveled a tenth of a mile before dissipating at 12:47 PM CST.

Event 21: June 14, 2017

The EF1 tornado touched down nearly two miles west of Nichols in Outagamie Count (rated EF0) around 2:40 PM CST. The tornado removed some shingles and siding off a house. The tornado moved out of Outagamie County about 1.4 miles north of Nichols. The tornado strengthened into an EF1 tornado just south of Navarino. In Shawano County, a detached garage/outbuilding was swept off its foundation. Another garage/outbuilding collapsed with the walls falling outward. A stand of pines across the street had a 75 yard-wide by 125 yards long area that were blown down and snapped in a convergent pattern. The tornado was 100 yards wide and traveled four miles before dissipating 1.2 west-northwest of Briarton around 2:45 PM CST.

Event 22: June 14, 2017

The EF1 tornado touched down a mile southeast of Briarton in Shawano County around 2:45 PM CST. The tornado heavily damaged a wood and sheet-metal pole barn. A mobile home was destroyed as it tumbled off its block foundation. Portions of the home were blown nearly a quarter of a mile into a nearby field and trees. Several trees along the storm's path were uprooted or snapped. The tornado was seventy-five yards wide and traveled 5.1 miles before dissipating about a mile east-southeast of Landstad around 2:51 PM CST.

Event 23: June 14, 2017

The EF1 tornado touched down nearly two miles south-southeast of Angelica in Shawano County around 2:51 PM CST. The tornado ripped off a garage door and one side of the garage collapsed inward. Another nearby garage door collapsed, and one was heavily damaged. Also, a barn's roof collapsed. Several dozen trees were uprooted due to wet soils from recent heavy rain. The tornado was 150 yards wide and traveled nearly six miles before dissipating 1.7 miles southwest of Krakow around 2:59 PM CST.

Event 24: June 14, 2017

The EF0 tornado touched down two miles northwest of Hofa Park in Shawano County around 2:53 PM CST. The tornado heavily damaged an old barn and partially tore the roof off an outbuilding. Another barn had most of its roof blown off. A nearby home had roof damage and its garage door partially collapsed inward. The tornado was 50 yards wide and traveled just over three miles before dissipating 0.7 miles northeast of Frazier around 2:55 PM CST.

Event 25: October 3, 2018

The EF0 tornado touched down around 6:08 PM CST just over a mile southwest of Mattoon in Shawano County. The weak fast-moving tornado caused only minor damage on the south side of the village of Mattoon. The tornado was 25 yards wide and traveled near a mile before dissipating less than a mile south-southeast of Mattoon at 6:09 PM CST.

Event 26: August 11, 2021

The EF0 tornado touched down at 1:08 PM CST one miles southwest of Angelica in Shawano County. The tornado uprooted trees and damaged an outbuilding before moving east and dissipating in a nearby field at 1:09 PM CST. The total path length was estimated at nearly four tenths of a mile and was 41 yards wide. Peak winds were estimated at 68 mph.

TORNADO / WATERSPOUT REFERENCE GUIDE – SHAWANO COUNTY

Event 27: June 15, 2022

The EF1 tornado formed at 4:34 PM CST near Wittenberg in western Shawano County and continued northeast before dissipating at 4:46 PM CST near Bowler. Total path length is estimated at 9.5 miles long, with a maximum width of 125 yards. The peak wind was estimated around 110 mph.

Event 28: June 15, 2022

The EF1 tornado formed at 4:46 PM CST within the Stockbridge-Munsee Community in western Shawano County and continued northeast before dissipating at 4:47 PM CST. The total path length was estimated to be nearly six tenths of a mile long and had a maximum width of 50 yards. The peak wind was estimated to be around 95 mph.

Event 29: June 15, 2022

The EF1 tornado formed at 5:09 PM CST near Leeman in north-central Outagamie County and then continued northeast entering Shawano County at 5:11 PM CST. The tornado dissipated near Navarino in eastern Shawano County at 5:18 PM CST. The tornado path length was estimated at 8.2 miles long with a maximum width of 80 yards. The peak wind speed was estimated at 94 mph.

TORNADO / WATERSPOUT REFERENCE GUIDE – VILAS COUNTY

Event	Date			Time		F/EF	Width	Path
#	Month	Day	Year	(CST)	Direction / Location	Rank	(Yards)	(Miles)
1	5	4	1964	18:00-18:10	Saint Germain	1	125	2.0
2	6	26	1969	16:30	2 W Manitowish Waters - 3 SW Presque Is.	1	35	9.0
3	6	26	1969	17:00	Lac Du Flambeau - 9 NW Land O Lakes	2	35	28.9
4	7	7	1970	19:00	Winchester - Boulder Junction - Conover	1	N/A	37.9
5	7	12	1973	03:00	Boulder Junction - Sayner	1	100	19.5
6	6	13	1981	20:45	Sayner - 3 NE Sayner	1	50	3.0
7	7	3	1983	04:39	Eagle River	1	20	0.5
8	4	27	1984	14:37-15:07	Fawn Lake - Star Lake	3	880	29.0
9	7	24	1986	14:15	Saint Germain	1	50	0.3
10	7	29	1988	20:30	Eagle River	1	50	0.1
11	8	1	1988	18:52	1 W Saint Germain	1	50	1.0
12	8	1	1988	19:22	2 SE Eagle River	0	25	0.3
13	4	26	1994	14:55-15:05	1.5 N Conover - 3 SE Land O'Lakes	1	150	4.5
14	7	14	1995	16:40-16:47	Phelps	1	250	3.5
15	8	9	2020	18:44-18:58	0.3 SSW Star Lake - 4.7 W Conover	1	400	6.2
16	8	9	2020	19:28-19:36	3.8 ESE S. Germain - 2.0 SW Eagle River	1	250	0.8

TORNADO / WATERSPOUT REFERENCE GUIDE – VILAS COUNTY

Event 1: May 4, 1964

The F1 tornado was first reported 10 miles southwest of St. Germain around 6 PM CST. The tornado traveled just over 7 miles before dissipating in St. Germain at 6:10 PM CST. The tornado had a maximum width of 125 yards. The local storm report indicated the tornado touched down twice and crossed over the Big St. Germain drawing water to a height of 200 feet. There was considerable damage to resorts and woods in the path of the tornado.

Event 2: June 26, 1969

According to the local storm report, the F1 tornado skipped northeast through the forests of Price, southeast Iron, and western Vilas Counties. The tornado struck Vilas County from 2 miles west of Manitowish Waters around 4:30 pm CST and moved to three miles southwest of Presque Isle. Most of the damage occurred around Manitowish Waters.

Event 3: June 26, 1969

The F2 tornado formed near Lac Du Flambeau around 5 PM CST and skipped northeast for nearly 29 miles. The tornado dissipated along the Michigan border 9 miles northwest of Land O' Lakes. Maximum width of the tornado was 35 yards. Resort areas from Fence Lake northeastward across Big Crooked and High Lakes suffered damage.

Event 4: July 7, 1970

The F1 tornado developed across Iron County in northwest Wisconsin. The tornado traveled east southeastward for nearly 38 miles across Vilas County around 7 PM CST. The tornado traveled from Winchester to Boulder Junction to Conover. Extensive damage to woods and lake property were noted in the path of the tornado.

Event 5: July 12, 1973

The F1 tornado was struck touchdown just south of Boulder Junction around 3 AM CST. The tornado was 100 yards wide and traveled 19.5 miles before dissipating near Sayner in Vilas County. Scattered damage to the woods was reported along the path of the tornado.

Event 6: June 13, 1981

The F1 tornado touched down at County Highway N about a half mile north Sayner. The tornado moved east for three miles through the dense forest and cross the intersection of Highway N and Highway G then dissipated. The tornado damaged electric lines, telephone poles and trees. The tornado was fifty yards wide.

Event 7: July 3, 1983

The Eagle River Municipal Airport was hit by the F1 tornado at 4:39 AM CST. The tornado was 20 yards wide and traveled a half mile before dissipating. Two single engine planes were destroyed, and thirteen others were damaged. Five eighths of an inch ropes that were holding the planes down were shredded. One plane cart-wheeled over four hundred feet.

Event 8: April 27, 1984

The F3 tornado developed near Fawn Lake in Oneida County around 2:37 PM CST. The tornado traveled to near Star Lake in Vilas County before dissipating around 3:07 PM CST. The tornado leveled several thousand acres of forest, destroyed or damaged 80 homes and cabins, ripped up docks and tossed boats in the air or wrapped them around trees. A Fawn Lake man was killed after getting his family to safety. The hardest hit areas were Fawn Lake, Two Lakes, Hasbrook and Gilmore Lakes in Oneida County. In Vilas County, the hardest hit areas were St. Germain Lake, Lost Lake and Star Lake. The tornado traveled 29 miles and reached a maximum width of 880 yards.

TORNADO / WATERSPOUT REFERENCE GUIDE – VILAS COUNTY

Event 8: April 27, 1984

The F3 tornado developed near Fawn Lake in Oneida County around 2:37 PM CST. The tornado traveled to near Star Lake in Vilas County before dissipating around 3:07 PM CST. The tornado leveled several thousand acres of forest, destroyed or damaged 80 homes and cabins, ripped up docks and tossed boats in the air or wrapped them around trees. A Fawn Lake man was killed after getting his family to safety. The hardest hit areas were Fawn Lake, Two Lakes, Hasbrook and Gilmore Lakes in Oneida County. In Vilas County, the hardest hit areas were St. Germain Lake, Lost Lake and Star Lake. The tornado traveled 29 miles and reached a maximum width of 880 yards.

Event 9: July 24, 1986

The F1 tornado briefly touched down around 2:15 PM CST on South Shore Drive near Little St. Germain Lake near St. Germain. The tornado was 50 yards wide and traveled a quarter of a mile. Five buildings, some garages, some boats, and docks were damaged. A dozen trees were snapped off at the base.

Event 10: July 29, 1988

The brief tornado touched down in Eagle River around 8:30 PM CST. The tornado was 50 yards wide and only traveled a tenth of a mile. The F1 tornado damaged the Northland Pines High School in Eagle River. Winds accompanying the storm downed signs and trees in the Eagle River area.

Event 11: August 1, 1988

The F1 tornado touched down one mile west of St. Germain around 6:52 PM CST. The tornado was 50 yards wide and traveled one mile. The tornado caused falling trees to damage cars and buildings one mile west of St. Germain. Meanwhile, a F0 tornado was reported at 7:22 PM CST two miles southeast of Eagle River.

Event 12: August 1, 1988

The brief F0 tornado occurred 2 miles southeast of Eagle River around 7:22 PM CST. The tornado was 25 yards wide and traveled three tenths of a mile. The tornado damaged some trees.

Event 13: April 26, 1994

The F1 tornado touched down a mile and a half north of Conover around 2:55 PM CST. The tornado was 150 yards wide and traveled four and a half miles before dissipating 3 miles southeast of Land O' Lakes around 3:05 PM CST. The tornado damaged a house just north of Conover and leveled hundreds of trees along its path into the Nicolet National Forest.

Event 14: July 14, 1995

The F1 tornado touched down a mile and a half southwest of Phelps around 4:40 PM CST. The tornado was 250 yards wide and traveled east for three and a half miles before dissipating just southeast of Phelps at 4:47 PM CST. Trees fell on cars, homes and businesses.

Event 15: July 20, 2020



The EF1 tornado touched down three tenths of a mile south southwest of Star Lake in Vilas County around 6:44 PM CST. The tornado produced a path of tree damage from the eastern shore of Star Lake to the Upper Bucktabon Springs State Natural Area. Peak winds were estimated at 95 mph. The tornado was 400 yards wide and was on the ground for 6.2 miles before dissipating 4.7 miles west of Conover around 6:58 PM CST.

Video / Still Image by Christopher Hofmeister

TORNADO / WATERSPOUT REFERENCE GUIDE – VILAS COUNTY

Event 16: August 9, 2020

The EF1 tornado touched down near 3.8 miles east southeast of St. Germain in Vilas County around 7:28 PM CST. The tornado produced tree damage from east of St. Germain to southwest of Eagle River with intermittent touchdowns along the Wisconsin River. Peak winds were estimated around 90 mph. The tornado was 250 yards wide and had a path length of nearly three quarters of a mile before dissipating around 7:36 PM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – WAUPACA COUNTY

Event	Date			Time		F/EF	Width	Path
#	Month	Day	Year	(CST)	Direction / Location	Rank	(Yards)	(Miles)
1	9	18	1950	14:30	2 N Waupaca – Weyauwega	3	N/A	N/A
2	9	26	1951	15:45-16:08	9 SSW Amherst - 2 SW Bear Creek	4	100	22.3
3	5	28	1955	15:05	3 W Clintonville	1	75	2.7
4	4	6	1956	13:45	Ogdensburg - Symco	2	100	7.0
5	5	6	1959	03:20	Symco - Clintonville	2	1000	7.2
6	5	8	1964	17:00	Iola - 1 W Clintonville	2	200	3.0
7	7	2	1969	16:00	Symco	0	100	4.3
8	7	14	1970	12:30	Marion	1	35	0.5
9	12	1	1970	10:30	4 NW Iola - Pella	2	200	32.0
10	6	14	1980	12:30	5 NW Manawa - Manawa	1	50	5.0
11	4	27	1984	14:55-15:40	Union - Legend Lake	3	440	32.0
12	5	16	1992	18:30	2.5 NE Northland	1	100	1.5
13	7	4	1994	16:49	4 W Fremont	0	25	0.1
14	6	23	2004	18:56-19:06	9 W Waupaca - 2 SW Lind Center	2	125	11.0
15	6	10	2005	15:10	2 W Clintonville	0	20	0.1
16	8	18	2005	18:38-18:41	4 SSW - 3.4 SW New London	0	40	1.2
17	4	10	2011	18:06-18:43	1 SW Saxeville - 1 SE Hortonville	1	200	27.6
18	8	6	2013	23:22-23:33	4 NNE Partridge - 0.8 WSW Hortonville	1	125	9.8
19	8	6	2013	23:24-23:33	1.2 W New London - 0.4 WSW Greenville	2	175	13.1
20	7	6	2015	15:38-15:40	3.4 W - 2.7 W Marion	0	75	0.8
21	6	26	2016	01:30-01:35	4.2 ESE Symco - 6.4 NNE Northport	1	100	2.7
22	7	20	2019	09:55-10:03	1.4 SSE Waupaca - 2.1 ESE White Lake	1	80	7.6
23	7	20	2019	10:00-10:02	0.6 SSW Weyauwega - 1.1 E Weyauwega	0	50	1.4
24	7	20	2019	10:09-10:10	1.8 SSW New London - 2.9 SW Shiocton	0	75	1.3
25	6	15	2022	16:52-16:56	1 W Manawa - 2 SSE Symco	1	120	3.1

TORNADO / WATERSPOUT REFERENCE GUIDE – WAUPACA COUNTY

Event 1: September 18, 1950

The F3 tornado touched down 2 miles north of Waupaca around 2:30 PM CST. The tornado traveled to Weyauwega before dissipating. Storm data was not available at the time and could not find any additional newspaper articles on this tornado event.

Event 2: September 26, 1951

The F4 tornado touched down 9 miles south southwest of Amherst in Portage County around 3:45 PM CST. The tornado then cut through the towns of Waupaca and Lebanon in Waupaca County. The tornado traveled 22.3 miles and reached a maximum width of 400 yards before dissipating 2 miles southwest of Bear Creek in Waupaca County around 4:08 PM CST. A family of five was killed near Waupaca; while a 40-year-old woman was killed near New London when a farm home was flattened.

Event 3: May 28, 1955

The F1 tornado touched down 3 miles west of Clintonville around 3:05 PM CST. The tornado traveled 2.7 miles and reached a maximum width of 75 yards before dissipating. The tornado ripped through a farm injuring two people and knocking down trees and utility poles. Robert Malaueg, 13, and Leroy Ashauer, 23, were hurt and taken to Clintonville Community Hospital.

Event 4: April 6, 1956

The F2 tornado developed near Ogdensburg around 1:45 PM CST. The tornado traveled 7 miles to Symco before dissipating around 1:53 PM CST. The tornado reached a maximum width of 100 yards.

Event 5: May 6, 1959

The F2 tornado developed near Symco and traveled a little over 7 miles to three miles southeast of Clintonville in Outagamie County around 3:20 AM CST. A second tornado hit Outagamie County later that afternoon.

Event 6: May 8, 1964

Several tornadoes were noted across the state on this date. In north central and northeast Wisconsin, the F2 tornado touched down from about five miles north of Iola around 5 PM CST. The tornado traveled a little over 3 miles to one mile west of Clintonville. The tornado had a maximum width of 200 yards. At least five barns were reported down in the Clintonville area. Another tornado was noted across Marathon County from seven miles east southeast of Knowlton to five miles west of Elderon around 5:50 PM CST.

Event 7: July 2, 1969

The F0 tornado touched down in Symco around 4 PM CST. The tornado was 100 yards wide and traveled 4.3 miles before dissipating. The tornado produced extensive damage to buildings on the Howard Winter farm between Manawa and Big Falls. Utility wires were also damaged along Highway 22 near Symco.

Event 8: July 14, 1970

The F1 tornado briefly touched down around 12:30 PM CST. The tornado was less than 50 yards wide and traveled approximately a half mile. The tornado ripped a door off a factory, flipping over a car and damaging trucks and signs in Marion.

Event 9: December 1, 1970

Four rare and only December tornadoes were reported on this date across north-central and northeast Wisconsin. The F2 tornado touched down with severe damage around 9:45 AM CST on the Heschke farm 4 miles northwest of Iola. The tornado moved east for 28 miles across Waupaca County into Shawano County before dissipating in Pella around 10:30 AM CST. The maximum width of the tornado was 200 yards. Additional damage occurred in the Marion and Pella areas. A lady and her three small children escaped injury when their mobile home was lifted by the tornado and exploded with debris scattered over the field.

TORNADO / WATERSPOUT REFERENCE GUIDE – WAUPACA COUNTY

Event 10: June 14, 1980

The F1 tornado developed about 5 miles northwest of Manawa at Highway 161 near County Highway E around 12:30 PM CST. The tornado crossed Highway 161 and then turned eastward and dissipated near Manawa. The tornado was 50 yards wide and traveled five miles before dissipating. Several residents in the area took several spectacular photographs of the twister.

Event 11: April 27, 1984

Another F3 tornado touched down on April 27th in Union township in Waupaca County around 2:55 PM CST. The tornado skipped north northeast to Legend Lake in Menominee County where the tornado dissipated around 3:40 PM CST. The tornado traveled 32 miles and reached a maximum width of 440 yards. Damage occurred to 41 homes and cabins, 5 barns, 19 garages and sheds as well as several hundred acres of forest. The hardest hit areas were around Marion in Waupaca County, the town of Pella in Shawano County, and the South Branch-Legend Lake areas of Menominee County. Overall, there were six tornadoes on this date across north central and northeast Wisconsin. The strongest tornado, an F4, occurred across Winnebago and Outagamie Counties around the same time these two tornadoes occurred. Across the state of Wisconsin, there were ten tornadoes reported on this date.

Event 12: May 16, 1992

The F1 tornado touched down two and a half miles northeast of Northland around 6:30 PM CST. The tornado was 100 yards wide and was on the ground for a mile and a half. Many trees and three homes were damaged by the tornado.

Event 13: July 4, 1994

The F0 tornado touched down 4 miles west of Fremont around 4:49 PM CST. The tornado was 25 yards wide and was on the ground for a tenth of a mile. The tornado did not produce any significant damage.

Event 14: June 23, 2004

The F2 tornado originally touched down in southeast Portage County. The tornado then strengthened as it moved into southwest Waupaca County 9 miles west of Waupaca around 6:56 PM CST. The tornado was 125 yards wide and traveled 11 miles before dissipating 2 miles southwest of Lind Center at 7:06 PM CST. The tornado scoured asphalt off a road, destroyed a barn, sheared off the top 50 feet of a silo crushing 3 calves, damaged a sheet metal outbuilding, and killed 3 sheep. The tornado tore the roof from a house and destroyed the garage, overturned a semi-trailer, and moved it 50 feet. Many trees were snapped off or uprooted. Some of the debris from this tornado landed several miles to the east in the Fremont area of Waupaca County.

Event 15: June 10, 2005

The F0 tornado touched down 2 miles west of Clintonville at 3:10 PM CST. The tornado was 20 yards wide and was on the ground a tenth of a mile.

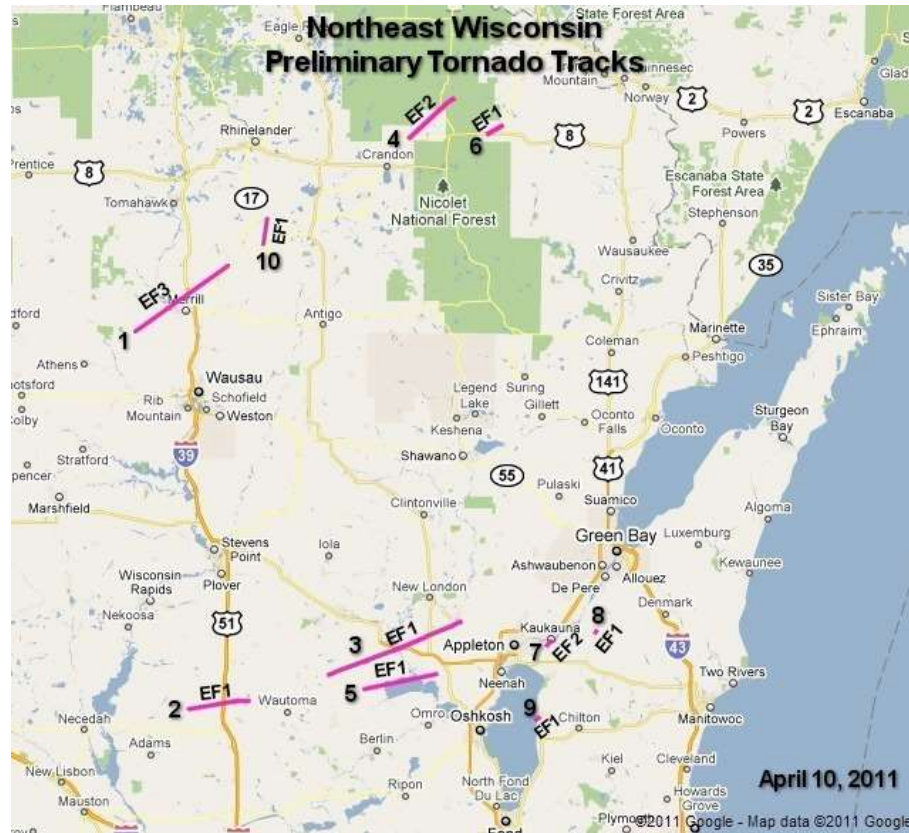
Event 16: August 18, 2005

The F0 tornado touched down 4 miles south southwest of New London at 6:38 PM CST. The tornado was 40 yards wide and was on the ground for 1.2 miles before dissipating 3.4 miles southwest of New London at 6:41 PM CST. The tornado snapped large trees and a few buildings in its path. The tornado shifted a large barn, destroyed a small metal shed and threw it about a quarter of a mile. An outbuilding was overturned and thrown 30 to 40 feet into a stand of trees.

TORNADO / WATERSPOUT REFERENCE GUIDE – WAUPACA COUNTY

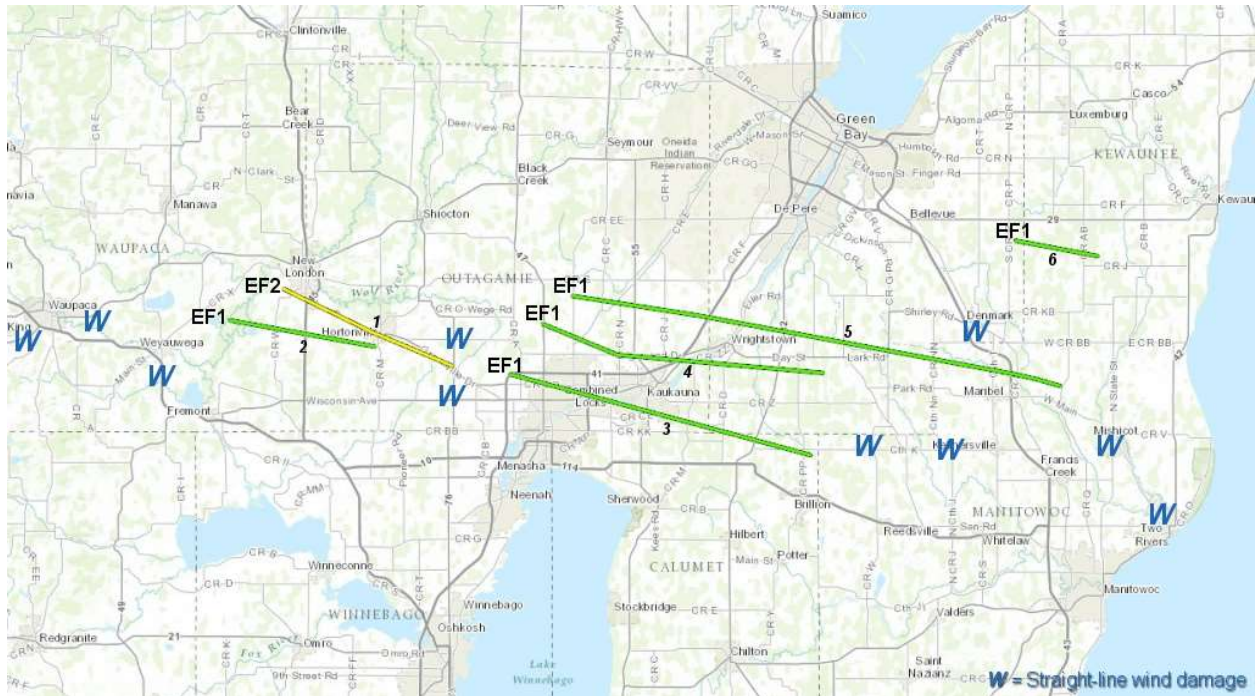
Event 17: April 10, 2011

The EF1 tornado developed at approximately 6:06 PM CST one mile southwest of Saxeville in Waushara County and moved east-northeast across east-central Wisconsin. Numerous pine trees were snapped or uprooted near the initial point of contact. As the tornado moved into West Bloomfield, several farm buildings were heavily damaged, including a barn that collapsed. The tornado had an average width of 100 yards, but it was not on the ground continuously. The tornado entered Waupaca County at 6:20 PM CST southwest of Fremont. Several farm buildings were impacted by the tornado in addition to many trees. Near Readfield, a barn was lifted and rolled off its foundation. A poorly anchored house roof, which overhung the house walls was completely removed and the debris strewn nearly a quarter of a mile to the northeast. The average width of the tornado was 100 yards. The tornado moved into Outagamie County at 6:32 PM CST. The tornado, which was not on the ground the entire time, damaged a couple of farm buildings just south of Hortonville before it dissipated. One of the buildings lost part of its roof. The average width was 100 yards.



TORNADO / WATERSPOUT REFERENCE GUIDE – WAUPACA COUNTY

Rare Late Evening / Early Morning Tornadoes on August 6-7, 2013



Event 18: August 6, 2013

The first of six late night tornadoes to strike Northeast Wisconsin on this date, the EF0 tornado touched down four miles north northeast of Partridge Lake in Waupaca County at 11:22 PM CST. The tornado was traveling at a rate of 60 to 70 mph. The tornado hit a campground, blowing several camper trailers over. Two people sustained minor injuries at the campground. Over one hundred trees were snapped or uprooted along the path in Waupaca County. The tornado moved into Outagamie County about 3.1 miles south of New London at 11:26 PM CST. The tornado damaged or uprooted trees as it moved across Outagamie County. Based on radar analysis, the circulation of this tornado may have merged with the other tornado that was occurring concurrently in the county near Hortonville. The tornado traveled 9.8 miles before dissipating eight tenths of a mile west southwest of Hortonville at 11:30 PM CST. The maximum width of the tornado in Outagamie and Waupaca Counties was 125 yards, with an average width of 75 yards in both counties.

Event 19: August 6, 2013

The second of six late night tornadoes to strike Northeast Wisconsin on this date, the EF2 tornado touched down 1.2 miles west of New London in Waupaca County at 11:24 PM CST. The tornado was traveling at a rate of 60 to 70 mph. The tornado struck a church (figure 1 below), causing severe damage. A large portion of the roof collapsed, causing failure to two walls. A wall on the new portion of the church was pushed in. In addition, hundreds of trees were snapped or uprooted. Several homes along the path sustained damage, mainly from fallen trees. The average path width in Waupaca County was 100 yards with a maximum width of 175 yards. The tornado now an EF1 entered Outagamie County at 11:25 PM CST a little over a mile southeast of New London, damaging or uprooting hundreds of trees along the path. Several homes in a two-block area of Hortonville were damaged (roof and siding) by falling trees. The average path width was 100 yards with a maximum width of 175 in Outagamie County. The tornado traveled 13.1 miles before dissipating four tenths of a mile west southwest of Greenville.

TORNADO / WATERSPOUT REFERENCE GUIDE – WAUPACA COUNTY

Event 20: July 6, 2015

The EF0 tornado touched down at 2:31 PM CST 3.4 miles west of Marion (see map next page) in Waupaca County. The tornado traveled three quarters of a mile and had a maximum width of 75 yards wide before dissipating 2.7 miles west of Marion at 2:40 PM CST. The tornado heavily damaged a barn and adjacent garage. The roof of a nearby house was damaged and winds of another home were broken. At least two dozen trees were uprooted or snapped. The average path width was 50 yards.

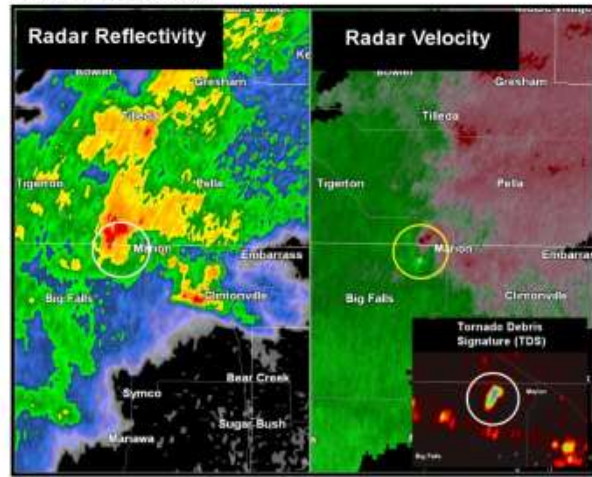
This was one of three tornadoes that touched down in northeast Wisconsin on this date. What was unusual about this event was there was no thunder noted with the tornadoes (very rare!). The radar image shows in the intense rotation west of Marion.



Preliminary Tornado Map (above). Red triangles denote approximate location of brief tornado touchdowns. Inset above denotes the location of the EF1 tornado west of Marion, Wisconsin.

Tornado	Begin	End	Path
Marion EF1	4:31 PM, 3 W Marion	4:40 PM, 2 E W Marion	Length: 0.4 mi Width: 75 yards
Pella EF0	5:03 PM, 2 E Pella	5:03 PM, 2 E Pella	Length: 0.1 mi Width: 25 yards
Gillet EF1	5:50 PM, 2 E Gillet	6:03 PM, 1 ENE Gillet	Length: 2.2 mi Width: 50 yards

The first tornado developed just ahead of the main line of showers over northern Waupaca County. The storm quickly attained supercell characteristics and generated a brief EF1 tornado about three miles west of Marion in extreme northern Waupaca County (see map insert above and radar images below).



Radar reflectivity (above Left) and radar velocity (above right) around time of the EF1 tornado west of Marion. Inset in the above image is the dual-polarization correlation coefficient (CC) product denoting the location of debris produced by the tornado.

TORNADO / WATERSPOUT REFERENCE GUIDE – WAUPACA COUNTY

Event 20: July 6, 2015

Here are some damage photos from the Marion tornado:



Event 21: June 26, 2016

The EF1 tornado touched down 4.2 east southeast of Symco in Waupaca County around 1:30 AM CST. The tornado was 100 yards wide and traveled just over two and a half miles before dissipating 6.4 miles north northeast of Northport around 1:35 AM CST. At least half dozen trees were snapped along the path and several trees were uprooted. Several farm buildings were heavy damaged, with metal from the buildings strewn downwind hundreds of yards. A manufactured home was pushed off its block foundation.

TORNADO / WATERSPOUT REFERENCE GUIDE – WAUPACA COUNTY

Event 22: July 20, 2019



Tornado Tracks

The EF1 tornado touched down near one and a half miles south-southeast of Waupaca in Waupaca County around 9:55 AM CST. The tornado formed south of Waupaca and moved east-northeast to near White Lake. The tornado damaged siding and shingles on six homes and an apartment in a new subdivision near the Waupaca Airport. The garage door of a newer home was blown completely in, causing damage to the roof of the house. Another house had a small part of its roof heavily damaged. Numerous trees were also damaged along the path. Peak winds were estimated around 90 mph. The tornado was 80 yards wide and traveled about seven and a half miles before dissipating at 10:03 AM CST two miles east-southeast of White Lake.

Event 23: July 20, 2019

The EF0 tornado touched down just over a half mile south-southwest of Weyauwega in Waupaca County around 10 AM CST, damaging several trees on the south side of Weyauwega. Peak winds estimated at 75 mph. The tornado was 50 yards wide and traveled just short of a mile and a half before dissipating around 10:02 AM CST one mile east of Weyauwega.

Event 24: July 20, 2019

The EF0 tornado touched down nearly two miles south-southwest of New London in Waupaca County at 10:09 AM CST. The tornado damaged a few trees before entering Outagamie County at 11:10 AM CST about 1.4 miles south of New London. In Outagamie County, the tornado continued northeast and destroyed a storage shed, heavily damaged trees and ripped shingles and siding off a house. A power pole also fell onto a car. Peak winds were estimated around 90 mph. The maximum width of the tornado was 90 yards and traveled seven and a half miles before dissipating around 10:20 AM CST nearly three miles southwest of Shiocton.

Event 25: June 15, 2022

The EF1 tornado formed at 4:52 PM CST near Manawa in central Waupaca County. The tornado continued northeast before dissipating at 4:56 PM CST near Symco. The total path length was estimated to be 3.1 miles long with a maximum width of 120 yards. The peak wind was estimated to be around 90 mph.

TORNADO / WATERSPOUT REFERENCE GUIDE – WAUSHARA COUNTY

Event	Date			Time		F/EF	Width	Path
#	Month	Day	Year	(CST)	Direction / Location	Rank	(Yards)	(Miles)
1	4	15	1954	15:00	2 NE Neshkoro - Redgranite	2	30	6.0
2	4	3	1956	13:45-13:53	Berlin - Rural Winnebago County	4	440	11.5
3	4	19	1957	16:00-16:15	3 W Wautoma - 2 NW West Bloomfield	2	50	22.8
4	7	10	1966	22:00	Plainfield - Wautoma	1	100	15.5
5	5	18	1971	16:40-17:04	Adams-Friendship - Hancock	1	100	15.0
6	7	4	1985	17:03-17:17	1 N Redgranite - 1 SW Pine River	0	50	5.0
7	8	12	1985	19:30-19:45	1 N Richford	0	100	0.5
8	5	8	1988	17:06-17:12	2 SE Wautoma - 1 S Mount Morris	1	100	5.0
9	9	19	1988	16:05	1 E Plainfield	0	25	0.1
10	8	29	1992	19:10-19:55	1 N Wautoma - 3 SE Poysippi	3	800	28.0
11	10	8	1992	16:48	5 NE Wild Rose	1	400	1.0
12	6	8	1993	18:38-18:55	2.5 S Spring Lake - 2 W Auroraville	0	25	8.0
13	6	8	1993	19:15-19:35	0.5 E Dakota - 2 S Redgranite	0	35	12.0
14	6	8	1993	19:35-19:45	5 SE Redgranite - 3 SE Auroraville	0	25	6.0
15	8	27	1994	21:07	Hancock	1	75	1.5
16	7	16	1997	16:41-16:42	Hancock	0	10	0.1
17	6	16	1998	15:00	3 WNW Coloma	0	20	0.1
18	6	4	2005	13:54	1 E - 1.1 ENE Auroraville	0	75	0.2
19	6	4	2005	14:05	2 NW Borth	0	50	0.1
20	8	18	2005	17:32-17:36	6 WSW - 3.7 SW Wautoma	0	80	2.0
21	4	10	2011	17:35-17:42	2 NW Coloma - 4 ESE Hancock	1	140	7.9
22	4	10	2011	18:06-18:43	1 SW Saxeville - 1 SE Hortonville	1	200	27.6
23	4	10	2011	18:53-19:04	0.3 N Poy Sippi - 2.3 WSW Winchester	1	150	14.9
24	6	14	2017	13:49-13:52	2.4 ENE Wild Rose - 3.2 NW Saxeville	1	100	2.8
25	7	20	2018	11:55-11:56	1.4 NW Silver Lake	0	10	0.1
26	7	16	2019	16:35-16:36	3.2 NNE Hancock - 3.1 NNE Hancock	0	10	0.2
27	7	28	2021	2206-2208	1.9 W - 1.8 WSW Borth	0	33	1.5
28	8	08	2021	14:52-14:58	3.7 SSW - 1.1 W Coloma	0	350	3.5
29	6	15	2022	16:41-16:47	1.4 WNW Brushville - 1.4 NE West Bloomfield	1	100	4.8

TORNADO / WATERSPOUT REFERENCE GUIDE – WAUSHARA COUNTY

Event 1: April 15, 1954

The F2 tornado struck around 3 PM CST two miles northeast of Neshkoro. The tornado traveled approximately six miles and reached a maximum width of 30 yards before dissipating at Redgranite. Widespread damage was reported at Redgranite, Lohrville and Spring Lake. Numerous small buildings and trees were damaged. The greatest single property damage occurred at the St. Marks Catholic Church in Redgranite. The frame structure was badly shaken by the storm, resulting in jammed doors and dislodged staircases and shattered walls. In the Spring Lake-Lohrville area, the greatest damage was in the town of Marion where a large barn was leveled. The wind scattered the tin roof for hundreds of yards in several directions.

Event 2: April 3, 1956

Unseasonably warm air ahead of a strong cold front triggered showers and thunderstorms across the state. The F4 tornado developed near Berlin in Green Lake County around 1:45 PM CST and traveled 11.5 miles across rural areas of southeast Waushara County near the town of Aurora; then dissipated around 1:53 PM CST two miles west of Omro in Winnebago County. The tornado was 440 yards wide. Berlin was hit the hardest with six killed and 50 injured. Severe storms killed eight people across the state on this day.

Event 3: April 19, 1957

The F2 tornado developed 3 miles west of Wautoma around 4 PM CST. The tornado traveled nearly 23 miles and reached a maximum width of 50 yards before dissipating two miles northwest of West Bloomfield around 4:15 PM CST. No fatalities were reported at a farmhouse that was leveled in rural Wild Rose. The farm of Reuben Anderson, Route 2 Wild Rose was the principal destruction point in Waushara County. The tornado destroyed a 34 by 56-foot barn, a 10 by 30-foot wood silo, a chicken coop, a milk house, and wooden shed.

Event 4: July 10, 1966

The F1 tornado was first reported to touch down in Plainfield around 10 PM CST. The tornado was 100 yards wide and traveled approximately fifteen and a half miles before dissipating at Wautoma.

Event 5: May 18, 1971

The F1 tornado was first sighted northeast of Adams and Friendship in Adams County around 4:40 PM CST. The tornado traveled 15 miles as it moved across Highway 21 and then to Hancock in western Waushara County before dissipating around 5:04 PM CST. The tornado reached a maximum width of 100 yards. After crossing Highway 21, the tornado destroyed two house trailers injuring five people and smashed a barn. In Hancock, a large metal warehouse was severely damaged with sheet metal scattered a half mile downwind.

Event 6: July 4, 1985:

The F0 tornado touched down one mile north of Redgranite around 5:03 PM CST. The tornado was 50 yards wide and skipped along for 5 miles before dissipating one mile southwest of Pine River around 5:17 PM CST. The tornado damaged a house one mile southwest of Pine River. The storm also produced hail up to three and a half inches in the Richford and Hancock areas. The large hail dented 47 new cars at a dealership in Coloma.

Event 7: August 12, 1985

The F0 tornado touched down one mile north of Richford around 7:30 PM CST. The tornado was 100 yards wide and traveled a half mile before dissipating. The tornado flattened 2 barns, damaged 5 homes and leveled many trees. Several sheds in Richford were destroyed and extensive window and roof damaged occurred.

Event 8: May 8, 1988

The F1 tornado traveled 5 miles from one mile south of Mount Morris to 3 miles northeast of Wild Rose between 5:06 and 5:12 PM CST. The tornado was 100 yards wide. Damage to structures and trees were reported along Silver Lake.

TORNADO / WATERSPOUT REFERENCE GUIDE – WAUSHARA COUNTY

Event 9: September 19, 1988

The brief F0 tornado developed one mile east of Plainfield at 4:05 PM CST. The tornado was 25 yards wide and only traveled a tenth of a mile. Little damage noted in the monthly storm report.

Event 10: August 29, 1992

The F3 tornado touched down east of Big Flats in Adams County around 7 PM CST. The tornado skipped along a five-mile path, toppling trees, and downing a 24 by 30-foot building. The killer tornado traveled a 28 mile-path across Adams and Waushara Counties. The tornado was noted north of Coloma 7:10 PM CST. The tornado then moved to Wautoma to just north of Redgranite and then to three miles southeast of Poy Sippi before dissipating around 7:55 PM CST. The hardest hit area was just south of Wautoma where a woman was killed when her mobile home was hurled several hundred feet into a parking lot. In addition, 30 people were injured, several critically. The tornado caused over ten million dollars in damage. Forty-eight homes were destroyed, and ninety-five other structures sustained major damage, 289 received minor damage. 950 acres of trees were toppled by the tornadic winds.

Event 11: October 8, 1992

The F1 tornado touched down in the Gilbert Lakes area about 5 miles northeast of Wild Rose around 4:48 PM CST. The tornado was 400 yards wide and was on the ground for a mile. Fifteen homes and buildings were damaged. 500 oak and pine trees were also damaged.

Event 12: June 8, 1993

Three weak tornadoes touched down across Waushara County during the evening. The F0 tornado developed two and a half miles south of Spring Lake around 6:38 PM CST. The tornado was 25 yards wide and traveled 8 miles before dissipating around 6:55 PM CST two miles west of Auroraville. Only minor damage was noted.

Event 13: June 8, 1993

Three weak tornadoes touched down across Waushara County during the evening. The F0 tornado developed a half mile east of Dakota around 7:15 PM CST. The tornado was 35 yards wide and traveled 12 miles before dissipating around 7:35 PM CST two miles south of Redgranite. Only minor damage was noted.

Event 14: June 8, 1993

Three weak tornadoes touched down across Waushara County during the evening. The F0 tornado touched down 5 miles southeast of Redgranite around 7:35 PM CST. The tornado was 25 yards wide and traveled 6 miles before dissipating at 7:45 PM three miles southeast of Auroraville. Only minor damage was noted.

Event 15: August 27, 1994

The F1 tornado formed in Hancock around 9:07 PM CST. The tornado was 75 yards wide and was on the ground for a mile and a half.

Event 16: July 16, 1997

The F0 tornado touched down in Hancock at 4:41 PM CST. The tornado was 10 yards wide and traveled a tenth of a mile before dissipating at 4:42 PM CST. The tornado touched down in an open field in Hancock.

Event 17: June 16, 1998

The F0 tornado was designated a landspout in the monthly storm report. The tornado touched down 3 miles west northwest of Coloma at 3 PM CST. The tornado was 20 yards wide and was on the ground for a tenth of a mile. No damage was reported.

TORNADO / WATERSPOUT REFERENCE GUIDE – WAUSHARA COUNTY

Event 18: June 4, 2005

The F0 touched down one mile east of Auroraville at 1:54 PM CST. The tornado was 75 yards wide and was on the ground for two tenths of a mile. No significant damage was noted from this tornado.

Event 19: June 4, 2005

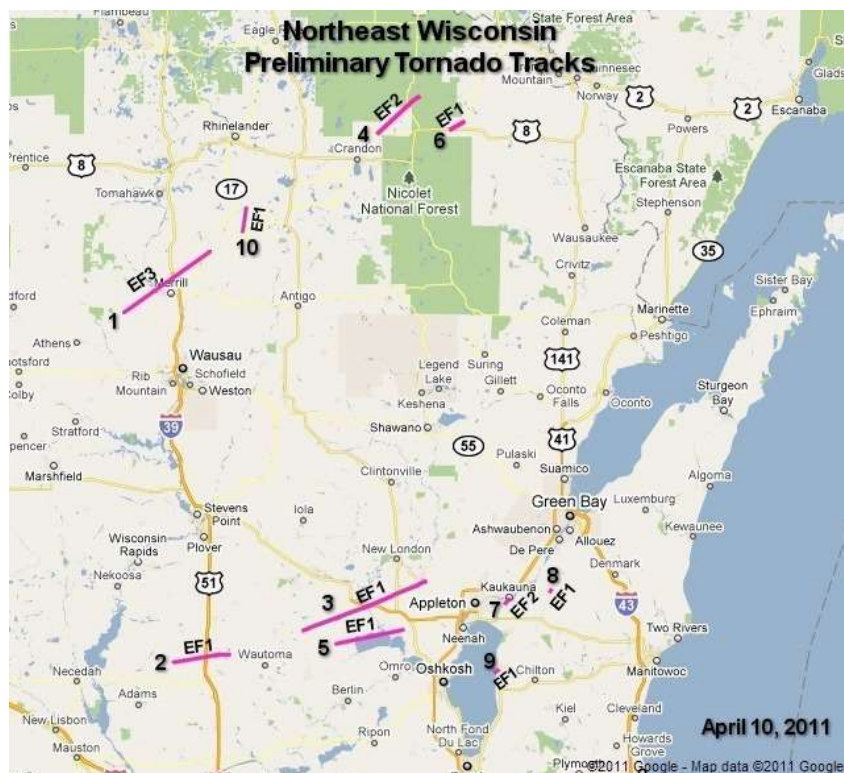
The F0 touched down 2 miles northwest of Borth at 2:05 PM CST. The tornado was 50 yards wide and was on the ground for a tenth of a mile. No significant damage was noted from this tornado.

Event 20: August 18, 2005

The F0 tornado touched down 6 miles west southwest of Wautoma at 5:32 PM CST. The tornado was 80 yards wide and was on the ground for two miles before dissipating 3.7 miles south of Wautoma at 5:36 PM CST. The tornado snapped off or uprooted many trees and caused damage to a few buildings and some farm equipment. A tree fell onto a large pole building, causing major damage to one of its sides. A porch at a residence was destroyed by a fallen tree limb while a portion of the metal roof of a barn was torn from it and thrown about 200 feet. An irrigation system was also damaged.

Event 21: April 10, 2011

The EF1 tornado developed at approximately 6:06 PM CST one mile southwest of Saxeville in Waushara County and moved east-northeast across east-central Wisconsin. Numerous pine trees were snapped or uprooted near the initial point of contact. As the tornado moved into West Bloomfield, several farm buildings were heavily damaged, including a barn that collapsed. The tornado had an average width of 100 yards, but it was not on the ground continuously. The tornado entered Waupaca County at 6:20 PM CST southwest of Fremont. Several farm buildings were impacted by the tornado in addition to many trees. Near Readfield, a barn was lifted and rolled off its foundation. A poorly anchored house roof, which overhung the house walls was completely removed with the debris strewn nearly a quarter of a mile to the northeast. The average width of the tornado was 100 yards. The tornado moved into Outagamie County at 6:32 PM CST. The tornado, which was not on the ground the entire time, damaged a couple of farm buildings just south of Hortonville before it dissipated. One of the buildings lost part of its roof. The average width was 100 yards.



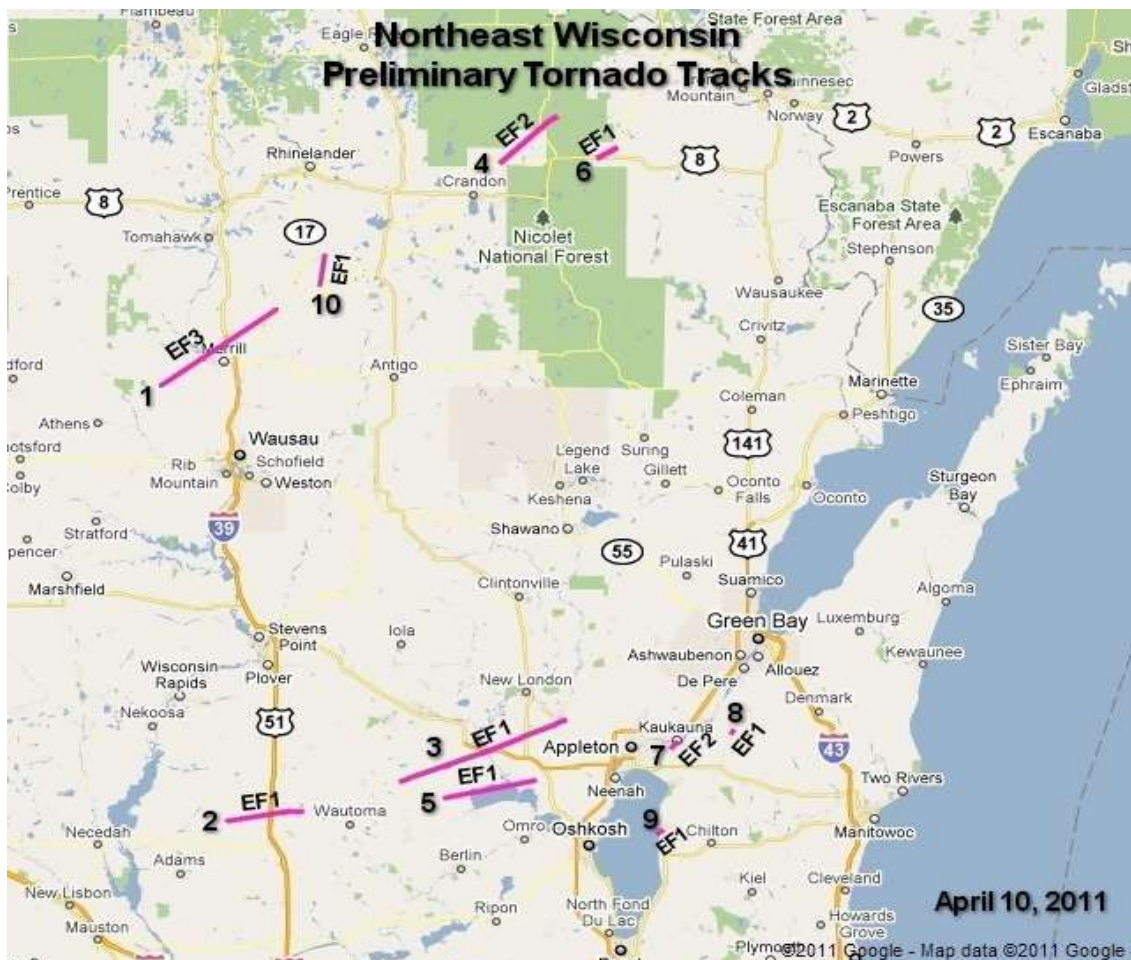
TORNADO / WATERSPOUT REFERENCE GUIDE – WAUSHARA COUNTY

Event 22: April 10, 2011

The EF2 tornado developed 3.5 miles southeast of Argonne and moved northeast across Forest County. The tornado uprooted and snapped hundreds of trees, some of which fell on vacation cabins along the path of the tornado. The hardest hit area was several miles east Argonne shortly after the tornado developed. A large part of the roof of a house was removed. The tornado continued northeast in Florence County 6:46 PM CST. The average width of the tornado was 250 yards in Forest County. In Florence County, several large tree branches were broken before the tornado dissipated. The average path width of the tornado in Florence County was 75 yards.

Event 23: April 10, 2011

The EF1 tornado developed 0.3 miles northwest of Poy Sippi, then moved east-northeast over the north shore of Lake Poygan. The tornado then entered Winnebago County at 7:04 PM CST. In Waushara County, the tornado damaged a house and destroyed a barn in the Poy Sippi area. Another barn was flattened near the north shore of Lake Poygan. Many pine trees were uprooted or snapped along the path of the storm. The average path width in Waushara County was 100 yards. In Winnebago County, the tornado moved along the north shore of Lake Poygan, causing most of the damage near Boom Bay on the northeast shore of Lake Poygan. Two homes were heavily damaged as portions of their roofs were partially ripped off. Several other houses sustained lesser damage in this area. In addition, two small mobile homes were rolled on their side and many trees were uprooted or snapped. The tornado dissipated about 2 miles west of Winchester, although damage occurred east and southeast of this location from straight-line thunderstorm winds. The average path width in Winnebago County was 100 yards.



TORNADO / WATERSPOUT REFERENCE GUIDE – WAUSHARA COUNTY

Event 24: June 14, 2017

The EF1 tornado touched down over two miles east-northeast of Wild Rose in Waushara County around 1:49 PM CST. As the tornado moved northeast, it uprooted or snapped 100 pine trees while several houses sustained significant roof damage from fallen trees. The tornado was 100 yards wide and traveled nearly three miles before dissipating just over three miles northwest of Saxeville.

Event 25: July 20, 2018

The EF0 tornado touched down around 11:55 AM CST nearly a mile and a half northwest of Silver Lake, or near Highway 21 about a mile southeast of Wautoma in Waushara County. Several witnesses observed the tornado on the ground for 10 to 15 seconds. A few white pine branches were broken. The tornado was 10 yards wide and traveled a tenth of a mile before dissipating at 11:56 AM CST.

Event 26: July 16, 2019

A brief, thin but weak EF0 tornado touched down in an open field between Plainfield and Hancock in Waushara County around 4:35 PM CST. No damage was reported, but dust and a few small branches were lofted in the air by the funnel. The tornado was 10 yards wide and traveled nearly two tenths of a mile before dissipating at 4:36 PM CST.

Event 27: July 28, 2021

The brief EF0 tornado touched down nearly 2 miles west of Borth in Waushara County at 10:06 PM CST. The tornado damaged an outbuilding. The tornado path length was estimated at nearly a half mile, with a width of 33 yards. Peak winds were estimated at 80 mph. The tornado dissipated 1.8 miles west-southwest of Borth around 10:08 PM CST.

Event 28: August 8, 2021

The brief EF1 tornado touched down at 2:52 PM CST in Pleasant Lake, or 3.7 miles south-southwest of Coloma in Waushara County. The tornado moved north for nearly 3.5 miles before dissipating 2:58 PM CST just over a mile west of Coloma. The tornado produced damage to trees and houses. The total path length was estimated nearly 3.5 miles long with a maximum width of 350 yards. Peak winds were estimated at 90 to 95 mph.

Event 29: June 15, 2022

The EF1 tornado formed at 4:41 PM CST near West Bloomfield in northeast Waushara County. The tornado continued northeast before dissipating at 4:47 PM CST. The total path length was estimated at 4.8 miles long with a maximum width of 100 yards. The peak wind was estimated to be around 95 mph.

TORNADO / WATERSPOUT REFERENCE GUIDE – WINNEBAGO COUNTY

Event #	Date			Time (CST)	Direction / Location	F/EF Rank	Width (Yards)	Path (Miles)
	Month	Day	Year					
1	4	3	1956	13:45-13:53	8 SW Eureka - 2 W Omro	4	400	11.5
2	5	28	1959	15:15	6 N - 9 NE Oshkosh	1	N/A	9
3	5	21	1960	17:30	15 W Oshkosh	1	N/A	N/A
4	5	8	1964	18:30-19:06	Winneconne-Wrightstown	2	100	35.0
5	6	6	1971	23:15	5 SW Oshkosh	1	50	3.8
6	6	13	1971	16:30	8 NW Oshkosh	1	50	0.3
7	7	30	1971	07:00	4 E Oshkosh (waterspout)	0	N/A	0.1
8	4	21	1974	14:40-15:08	5 S Ripon - Oshkosh	4	200	26.0
9	6	20	1979	13:45	3 S Oshkosh	1	N/A	N/A
10	4	27	1984	15:20-15:40	1 NE Winneconne - Freedom	4	600	27.5
11	7	26	1984	13:00-13:10	5 E Oshkosh (waterspout)	0	25	0.1
12	8	14	1987	17:40-17:43	1 W Menasha	1	100	0.3
13	5	24	1989	20:10-20:15	3 S Oshkosh	1	50	1.2
14	6	8	1993	17:35	1 E Pickett	0	25	0.1
15	7	18	1996	17:45	5 NE Oshkosh (waterspout)	0	N/A	0.1
16	8	23	1998	15:22	Menasha	0	10	0.1
17	5	6	2002	16:30-16:40	5 NW - 2.5 N Winneconne	0	50	4.0
18	5	6	2002	17:02	8 N Oshkosh - Wittman Field	0	20	0.1
19	6	8	2003	11:40	4 W Oshkosh - Wittman Field	0	15	0.1
20	6	8	2003	12:20-12:26	5 E - 5.5 ESE Oshkosh Wittman Field	0	40	0.5
21	5	6	2005	15:24-15:25	7 ESE - 7.8 ESE Oshkosh - Wittman Field	0	50	0.8
22	6	9	2005	17:40-17:50	5 SE - 5 E Oshkosh	0	40	3.0
23	6	10	2005	15:05	1 N Winneconne	0	20	0.1
24	6	10	2005	19:10	4 ESE Oshkosh	0	20	0.1
25	6	10	2005	19:22	3 E Oshkosh	0	20	0.1
26	6	10	2005	19:48	3 E Oshkosh	0	20	0.1
27	8	18	2005	18:40-18:48	4.5 W - 2.6 NW Neenah	0	50	4.0
28	7	19	2008	21:44-21:45	3.8 WNW - 3.4 WNW Menasha	1	40	0.5
29	5	4	2010	18:10-18:12	2.7 SE Zittau - 2.7 W Winchester	1	100	0.7
30	5	4	2010	18:13-18:17	2.2 SSW Winchester - 0.8 NNW Larsen	0	100	3.4
31	4	10	2011	18:53-19:04	0.3 NW Poy Sippi - 2.3 WSW Winchester	1	150	14.9
32	7	27	2014	18:05	3.5 SE Oshkosh Wittman Field	0	10	0.1
33	8	18	2014	15:23-15:25	3.3 NE Winchester - 4.0 NNE Larsen	0	50	2.1
34	6	14	2017	15:28-15:29	2.6 SSW Appleton - 1.7 NNW Little Chute	1	50	8.4
35	6	20	2020	16:01-16:02	0.7 N to 0.9 N Butte des Morts	0	50	0.3
36	6	20	2020	16:23-16:27	1.1 SSW to 0.5 SE Butte des Morts	0	75	1.0
37	6	20	2020	16:35-16:41	6.2 SE Oshkosh Wittman Field	0	75	3.4

TORNADO / WATERSPOUT REFERENCE GUIDE – WINNEBAGO COUNTY

Event 1: April 3, 1956

Unseasonably warm air ahead of a strong cold front triggered showers and thunderstorms across the state. The F4 tornado developed near Berlin in Green Lake County around 1:45 PM CST and traveled 11.5 miles across rural areas of southeast Waushara County near the town of Aurora; then dissipated around 1:53 PM CST two miles west of Omro in Winnebago County. The tornado was 440 yards wide. Berlin was hit the hardest with six killed and 50 injured. Severe storms killed eight people across the state on this day.

Event 2: May 28, 1959

The F1 tornado struck 6 miles north of Oshkosh around 3:15 PM CST. The tornado traveled nine miles before dissipating 9 miles northeast of Oshkosh.

Event 3: May 21, 1960

The F1 tornado touched down fifteen miles west of Oshkosh around 5:30 PM CST.

Event 4: May 8, 1964

Another long tracked F2 tornado was noted on this day across northeast Wisconsin. The tornado developed near Winneconne in Winnebago County around 6:30 PM CST. The tornado traveled northeast across Menasha, striking the John Strange Paper Company. The tornado continued into Neenah, near the Fox Point Shopping Center. The Fox Point Shopping Center suffered extensive damage where windows were blown in, and sections of the roof were blown off. The tornado continued into the southeast corner of Appleton near the Calumet Street power substation. The tornado finally dissipated in Wrightstown around 7:06 PM. At least ten barns were destroyed near Kaukauna.

Event 5: June 6, 1971

The F1 tornado was reported 5 miles southwest of Oshkosh around 11:15 PM CST. The tornado was 50 yards wide and traveled nearly 4 miles before it dissipated. The tornado demolished one barn and damaged several others on highway 26 about five miles southwest of Oshkosh.

Event 6: June 13, 1971

The public reported the F1 tornado 8 miles northwest of Oshkosh around 4:30 PM CST. The tornado was 50 yards wide and only traveled a quarter of a mile. Many trees were down in small grove eight miles northwest of Oshkosh.

Event 7: July 30, 1971

Numerous F0 waterspouts were reported about 4 miles east of Oshkosh around 7 AM CST. The waterspouts formed east of Oshkosh as cold air with large cyclonic vorticity moved over the warm lake according to the monthly storm report.

Event 8: April 21, 1974

The F4 tornado first touched down 5 miles south of Ripon in Fond Du Lac County at about 2:40 PM CST. The tornado destroyed or severely damaged buildings on about 30 farms before approaching southwest Oshkosh at 2:58 PM CST. The tornado lifted 10 minutes later over northwest Oshkosh. The tornado traveled 26 miles and reached a maximum width of 200 yards. At Oshkosh, the tornado damaged 400 homes and business with 33 of the houses destroyed. Damage was estimated at 4.2 million dollars. In Oshkosh, thirty-five people were treated for injuries with only ten people injured seriously enough to be hospitalized.

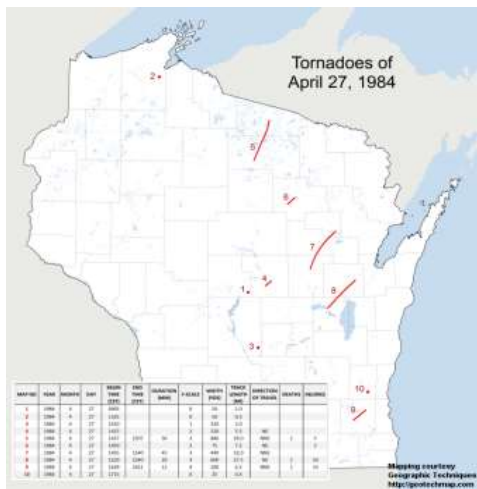
Event 9: June 20, 1979

The F1 tornado touched down 3 miles south of Oshkosh around 1:45 PM CST. The tornado on this date followed almost the same path as another more destructive twister that hit the city in April 1974. The tornado destroyed two mobile homes and severely damaged five others. Four people were hospitalized due to the injuries they suffered from the tornado.

TORNADO / WATERSPOUT REFERENCE GUIDE – WINNEBAGO COUNTY

Event 10: April 27, 1984

The article for this date was written by Scott Cultice, forecaster at the National Weather Service in Green Bay. During the late afternoon of April 27, 1984, multiple super cell thunderstorms developed ahead of a strong cold front that moved across Wisconsin. Ten tornadoes were reported across the state, including three killer tornadoes: Tornadoes were reported in northern Wisconsin near St. Germain, one west of Appleton, and the third in southeast Wisconsin in Waukesha County. This outbreak of killer tornadoes was one of the bigger outbreaks in northeast Wisconsin since accurate tornado records began in 1950.



The Fox Valley Tornado

Around 3:20 PM CST, a tornado formed near the town of Butte des Morts in northern Winnebago County and quickly intensified into a destructive tornado. The violent storm moved northeast across the town of Clayton, killing one person, and destroying many houses. The tornado continued to track northeast toward the northwest side of the city of Appleton. By about 3:40 PM CST, the tornado wreaked havoc across the western edge of the Outagamie County Airport and near the town of Greenville. The tornado finally dissipated near Freedom.

An estimated two dozen homes were destroyed and many more were damaged across the Fox Valley that afternoon. The storm killed one person and injured 19 more. Total cost of the destruction over the Fox Valley was \$2.5 million (\$15 million in today's dollars). The tornado traveled on the ground at about 40 mph and, for a short time, was over one quarter mile wide. The twister was on the ground for over 27 miles. It was classified as an F4 tornado, now referred to as an EF4 on today's Enhanced Fujita Scale (wind speeds of 166-200 mph).

Other tornadoes on April 27, 1984 across Northeast Wisconsin

In addition to the Fox Valley tornado, five other tornadoes were reported across central and northeast Wisconsin that day. An F3 tornado, with winds estimated near 140 mph, tore through Oneida and Vilas counties, killing one person south of St. Germain and injuring eight others. Another F3 tornado was reported across Waupaca, Shawano, and Menominee counties causing considerable damage. Other tornadoes were observed over Wood, Portage, and Langlade counties.



April 27, 1984 killer tornado track west of Appleton.



Event 11: July 26, 1984

The F0 waterspout was noted 5 miles east of Oshkosh on Lake Winnebago between 1 PM and 1:10 PM CST.

Event 12: August 14, 1987

Considerable damage from the F1 tornado occurred one mile west of Menasha between 5:40 and 5:43 PM CST. The tornado was 100 yards wide and traveled a quarter of a mile. Most of the damage occurred at a warehouse where siding and a roof were twisted and ripped away. Two 100 square foot cement slabs were also torn from the building. Trees and power lines were downed as well.

Event 13: May 24, 1989

The F1 tornado touched down 3 miles south of Oshkosh between 8:10 and 8:15 PM CST. The tornado was 50 yards wide and traveled 1.2 miles before dissipating.

TORNADO / WATERSPOUT REFERENCE GUIDE – WINNEBAGO COUNTY

Event 14: June 8, 1993

The F0 small tornado briefly touched down in an open field one mile east of Pickett around 5:35 PM CST. The tornado was 25 yards wide and traveled a tenth of a mile.

Event 15: July 18, 1996

The F0 waterspout was spotted 5 miles east of Oshkosh over Lake Winnebago around 5:45 PM CST.

Event 16: August 23, 1998

The brief F0 tornado touched down near Menasha at 3:22 PM CST. The tornado was 10 yards wide and traveled a tenth of a mile before dissipating. No damage was noted on the monthly storm report.

Event 17: May 6, 2002

The F0 tornado touched down 5 miles northwest of Winneconne around 4:30 PM CST. The tornado was 50 yards wide and traveled four miles on the ground before dissipating 2.5 miles north of Winneconne around 4:40 PM CST. The tornado moved across Lake Winneconne.

Event 18: May 6, 2002

The brief F0 tornado touched down 8 miles north of Wittman Field in Oshkosh at 5:02 PM CST. The tornado was 20 yards wide and was only on the ground for a tenth of a mile. No damage was noted with the tornado.

Event 19: June 8, 2003

The brief F0 tornado touched down 4 miles west of Oshkosh at 11:40 AM CST. The tornado was 15 yards wide and traveled a tenth of a mile before dissipating.



Event 20: June 8, 2003

The F0 waterspout was photographed about 5 miles east of Oshkosh Wittman Field at 12:20 PM CST. The waterspout was 40 yards wide and traveled a half mile before dissipating 5.5 miles east southeast of Oshkosh Wittman Field. The waterspout was observed by numerous participants of a fishing tournament that was taking place on the lake.

Photo by Troy Peterson

Event 21: May 6, 2005

The F0 waterspout touched down 7 miles east southeast of Oshkosh Wittman Field at 3:24 PM CST. The waterspout was 50 yards wide and was on the ground for eight tenths of a mile before dissipating 7.8 miles east southeast of Oshkosh Wittman Field at 3:25 PM CST.

Event 22: June 9, 2005

The F0 waterspout touched down 5 miles southeast of Oshkosh on Lake Winnebago at 5:40 PM CST. The waterspout was 40 yards wide and traveled 3 miles before dissipating 5 miles east of Oshkosh at 5:50 PM CST.

Event 23: June 10, 2005

The F0 tornado touched down one mile north of Winneconne at 3:05 PM CST. The tornado was 20 yards wide and was on the ground a tenth of a mile.

TORNADO / WATERSPOUT REFERENCE GUIDE – WINNEBAGO COUNTY

Event 24: June 10, 2005

The F0 waterspout was reported 4 miles east southeast of Oshkosh on Lake Winnebago at 7:10 PM CST. The waterspout was 20 yards wide and was on the water a tenth of a mile. This was one of 3 waterspouts reported on Lake Winnebago on this evening.

Event 25: June 10, 2005

The F0 waterspout was reported 3 miles east southeast of Oshkosh on Lake Winnebago at 7:22 PM CST. The waterspout was 20 yards wide and was on the water a tenth of a mile. This was one of 3 waterspouts reported on Lake Winnebago on this evening.

Event 26: June 10, 2005

The F0 waterspout was reported 3 miles east southeast of Oshkosh on Lake Winnebago at 7:48 PM CST. The waterspout was 20 yards wide and was on the water a tenth of a mile. This was one of 3 waterspouts reported on Lake Winnebago on this evening.

Event 27: August 18, 2005

The F0 tornado touched down four and a half miles west of Neenah at 6:40 PM CST. The tornado was 50 yards wide and was on the ground for four miles before dissipating 2.6 miles northwest of Neenah at 6:48 PM CST. The tornado downed trees, stripping some siding from a home and destroying a corn crib.

Event 28: July 19, 2008

The brief EF1 tornado touched down 3.8 miles west northwest of Menasha around 10:44 PM CST. The tornado was 40 yards wide and traveled a half a mile before it dissipated 3.4 miles west northwest of Menasha at 10:45 PM CST. The tornado produced sporadic damage along a narrow path almost a half a mile long. An apartment complex sustained the heaviest damage. Four buildings were affected, two of which lost parts of their roofs.

Event 29: May 4, 2010

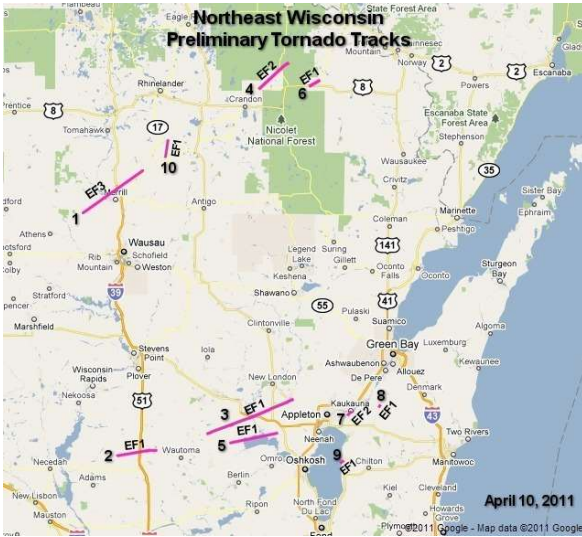
The EF1 tornado touched down 2.7 miles southeast of Zittau around 6:10 PM CST. The tornado was 100 yards wide and traveled seven tenths of a mile before it dissipated 2.7 miles west of Winchester at 6:12 PM CST. The tornado snapped numerous pine trees in a wooded area and threw a gazebo into the side of a house. The tornado also destroyed a 100-year-old barn.

Event 30: May 4, 2010

The EF0 tornado touched down 2.2 miles south southwest of Winchester at 6:13 PM CST. The tornado was 100 yards wide and traveled 3.4 miles before dissipating 0.8 miles north northwest of Larsen at 6:17 PM CST. The tornado damaged several structures. It destroyed a shed, swirling 2 by 4's in the air. The 2 by 4's struck a house, damaging the roof. The tornado threw a trailer about 200 yards into a field and ripped siding off a garage. A small camper was knocked over.

TORNADO / WATERSPOUT REFERENCE GUIDE – WINNEBAGO COUNTY

Event 31: April 10, 2011



The EF1 tornado developed 0.3 miles northwest of Poy Sippi, then moved east-northeast over the north shore of Lake Poygan. The tornado then entered Winnebago County at 7:04 PM CST. In Waushara County, the tornado damaged a house and destroyed a barn in the Poy Sippi area. Another barn was flattened near the north shore of Lake Poygan. Many pine trees were uprooted or snapped along the path of the storm. The average path width in Waushara County was 100 yards. In Winnebago County, the tornado moved along the north shore of Lake Poygan, causing most of the damage near Boom Bay on the northeast shore of Lake Poygan. Two homes were heavily damaged as portions of their roofs were partially ripped off. Several other houses sustained lesser damage in this area. In addition, two small mobile homes were rolled on their side and many trees were uprooted or snapped. The tornado dissipated about 2 miles west of Winchester, although damage occurred east and southeast of this location from straight-line thunderstorm winds. The average path width in Winnebago County was 100 yards.

Event 32: July 16, 2014

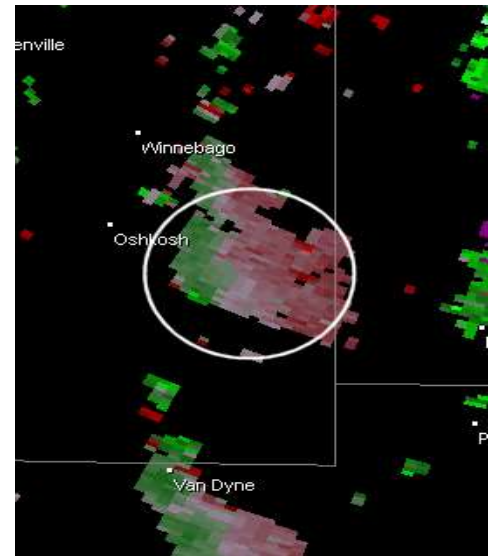
A very weak and brief EF0 waterspout formed under a rain shower over southern Lake Winnebago, about 5 miles southeast of Oshkosh around 6:05 PM CST. The waterspout (photo below) was on the water for a just a few seconds and then dissipated. The parent funnel was seen by hundreds of people across the area. No damage occurred.



Photograph submitted to NWS.



Radar image: Green Bay radar.



Velocity image: Green Bay radar.

TORNADO / WATERSPOUT REFERENCE GUIDE – WINNEBAGO COUNTY

Event 33: August 18, 2014

The EF0 tornado developed around 3:23 PM CST, causing minor damage as it moved east near Shady Lane a little over three miles northeast of Winchester in northern Winnebago County. The weak tornado caused two single wood power poles to partially lean in saturated soil and knocked over a few trees and limbs. Swirl marks could be seen in a field of tall grass. The tornado was not in contact with the ground during the entire path length (a little over two miles) before ending around 3:25 PM CST. The maximum width of the tornado was 50 yards with estimated winds of 65 to 75 mph.

Event 34: June 14, 2017

The EF1 tornado touched down just over two and a half miles southwest of Appleton in far northeastern Winnebago County near the village of Fox Crossing around 2:28 PM CST. In Winnebago County, the tornado damaged nearly two dozen trees and uprooted several others. One house sustained roof damage by a fallen tree. The tornado then moved into Outagamie County about 1.8 miles south of Appleton at 2:29 PM CST. The tornado continued into Outagamie County as an EF0 tornado. In Outagamie County, the tornado uprooted or snapped several dozen trees, some of which fell on houses along its path across the southeast side of Appleton. Two large industrial buildings suffered damage on Appleton's east side. One building's large HVAC system was blown off its roof and another large building had several overhead doors blow in and lost portions of its roof and a wall. A self-service car wash lost its roof in Kimberly. In Little Chute, a building had an HVAC unit damaged, and a couple of trees were knocked down. The tornado dissipated at 2:37 PM CST after crossing I-41 north of Kaukauna.

Event 35: June 20, 2020

The brief EF0 tornado touchdown was witnessed by the Oshkosh Fire Department around 4:01 PM CST near Highway 45 near Butte des Morts. No damage was reported. The tornado was 50 yards wide and traveled a quarter of a mile before dissipating at 4:02 PM CST.

Event 36: June 20, 2020

A storm chaser and the public reported the EF0 tornado (waterspout) over Lake Butte des Morts near County S around 4:23 PM CST. The tornado traveled just over a mile and was 75 yards wide, dissipating before reaching shore around 4:27 PM CST.

Event 37: June 20, 2020

Multiple eyewitness reported the EF0 tornado (waterspout) over Lake Winnebago 5 to 6 miles southeast around 4:35 PM CST. The waterspout was 75 yards wide and traveled nearly 3.4 miles before dissipating around 4:41 PM CST.



Event 35: EF0 tornado near Butte des Morts
Photo by Hunter Bolssen



Event 36: EF0 tornado (waterspout) over Lake Winnebago
Video / Still Image by Nate Laudolff

TORNADO / WATERSPOUT REFERENCE GUIDE – WOOD COUNTY

Event	Date			Time		F/EF	Width	Path
#	Month	Day	Year	(CST)	Direction / Location	Rank	(Yards)	(Mile)
1	5	7	1964	18:00	Wisconsin Rapids	2	100	0.5
2	3	31	1967	23:49	Marshfield	2	35	1.9
3	7	22	1967	23:00-23:18	2S Loyal - 5 E Marshfield	2	100	21.4
4	6	17	1970	18:35	3 S Wisconsin Rapids	0	100	0.1
5	12	1	1970	09:00	12 SE Marshfield	2	200	2.0
6	7	8	1971	02:00	Wisconsin Rapids	1	75	2.0
7	6	13	1976	18:40-19:20	4 W Wisconsin Rapids - 3 NE Stevens Point	1	100	24.6
8	3	30	1982	14:05-14:40	Armenia - 3 SW Stevens Point	1	35	28.0
9	7	3	1983	19:11	5 NE Nekoosa	0	10	0.3
10	4	27	1984	04:05	Saratoga	0	50	1.0
11	8	12	1985	18:13-18:30	6 S Marshfield - Auburndale	2	880	10.0
12	4	20	1992	16:00-16:20	2 SW Arpin - Bakerville	1	25	9.5
13	8	3	1999	17:45	3 W Pittsville	0	10	0.1
14	6	8	2003	12:59-13:02	4 S - 4.1 S Marshfield Airport	0	50	0.1
15	6	7	2007	15:26	2.2 W - 2.1 W Wisconsin Rapids Airport	0	40	0.1
16	7	29	2008	17:44-17:49	4.2 SE Nasonville - 4.7 WNW Bethel	0	25	1.5
17	7	14	2010	16:18-16:19	2.5 WSW - 2.2 WSW Veedum	0	50	0.3
18	5	22	2011	17:03-17:20	5.5 SSE Cranmoor - 4.8 SE Arnott	1	350	31.6
19	8	23	2011	16:58	0.3 NW Arpin	0	10	0.1

TORNADO / WATERSPOUT REFERENCE GUIDE – WOOD COUNTY

Event 1: May 7, 1964

The F2 tornado touched down in the city of Wisconsin Rapids around 6 PM CST and traveled a half mile. The maximum width of the tornado was 100 yards. The tornado tore through the Suburban Heights trailer court. There were fourteen injuries, none of them serious. Ten of the trailer homes were ripped from their foundation and tossed up into the air. The body of one was torn off and the frame was left lying upside down 100 yards from its original base. Many of the trailers were occupied by the Wisconsin Rapids Twins ballplayers and their wives. Some damage to roofs and television antennas was reported within the city limits.

Event 2: March 31, 1967

The F2 tornado touched down in Marshfield around 11:49 PM CST. The tornado traveled approximately two miles and had a maximum width of 35 yards. The tornado destroyed or damaged several buildings including a mobile home plant.

Event 3: July 22, 1967

The F2 tornado developed around 11 PM CST near Loyal in Clark County. The tornado then moved east southeast into Wood County. The tornado traveled nearly 21 miles before dissipating five miles east of Marshfield around 11:18 PM CST. The maximum width of the tornado was 100 yards. The tornado destroyed three barns and killed sixteen cattle near Loyal in Clark County. Several buildings and mobile homes were destroyed at Marshfield in Wood County.

Event 4: June 17, 1970

The F0 touched down briefly 3 miles south of Wisconsin Rapids around 6:35 PM CST. The tornado was 100 yards wide and only traveled a tenth of a mile. According to the monthly storm report, the tornado touched down in open country.

Event 5: December 1, 1970

Four rare December tornadoes were reported on this date across north-central and northeast Wisconsin. The F2 tornado touched down 12 miles southeast of Marshfield or two miles southeast of Arpin on the Fred Cahler farm around 9 AM CST. The tornado traveled 2 miles while reaching a maximum width of 200 yards before dissipating. Several farm buildings were destroyed or damaged on the Fred Cahler farm. The tornadoes on this day are the only December tornadoes recorded in the NWS Green Bay Service area.

Event 6: July 8, 1971

The F1 tornado moved through open country just north of Wisconsin Rapids around 2 AM CST. The tornado was 75 yards wide and traveled about two miles before it dissipated. One house trailer moved off its foundation while there was damage to trees in the area.

Event 7: June 13, 1976

The F1 tornado formed 4 miles west of Wisconsin Rapids around 6:40 PM CST. The tornado continued to move east northeast to three miles northeast of Stevens Point near the intersection of Highway 51 and Business 51 before dissipating around 7:20 PM CST three miles northeast of Stevens Point. The tornado traveled nineteen miles and reached a maximum width of 100 yards. Many trees were flattened. In Stevens Point, scattered damage was reported just north of the city and a roof was blown off an apartment complex. Several other buildings also suffered damage. Two people in the apartment complex were injured from fallen debris.

Event 8: March 30, 1982

The F1 tornado initially touched down in the township of Armenia in Juneau County where it destroyed a house and 3 nearby mobile homes. Two occupants of the house were injured. The tornado then moved northeast to just southeast of Nekoosa in Wood County around 2:05 PM CST. The tornado traveled intermittently on a 28 mile-path before dissipating 3 miles southwest of Stevens Point in Portage County around 2:40 PM CST.

TORNADO / WATERSPOUT REFERENCE GUIDE – WOOD COUNTY

Event 9: July 3, 1983:

The F0 tornado briefly touched down 5 miles northeast of Nekoosa around 7:11 PM CST. The tornado was approximately 10 yards wide and traveled three tenths of a mile before dissipating.

Event 10: April 27, 1984:

The F0 tornado briefly touched down in the township of Saratoga around 4:05 AM CST. The tornado was 50 yards wide and traveled a mile before dissipating. Numerous trees were downed, and some residential damage occurred. Hail the size of three quarters of an inch also fell during the storm.

Event 11: August 12, 1985

A large F2 tornado touched down around 6:13 PM CST six miles south of Marshfield along highway B. The tornado traveled northeast across Highway EE and then slammed Auburndale. The tornado was on the ground for ten miles before the tornado dissipated in Auburndale around 6:30 PM CST. At its peak, the tornado was a massive 880 yards wide. Damage was estimated at \$5.5 million dollars. Fifty-eight dwellings and forty farms suffered damage. The Apache Gardens subdivision and the Wishkershen Trailer Park in Auburndale received substantial damage.

Event 12: April 20, 1992:

The F1 tornado formed 2 miles southwest of Arpin around 4 PM CST. The tornado was 25 yards wide and traveled 9.5 miles before dissipating a half mile south of Bethel or near Bakerville around 4:20 PM CST. Damage included: a shed was knocked down near Arpin, a mobile home was picked up and twisted around near Bethel and some roof damage was reported at Bakerville

Event 13: August 3, 1999

The F0 tornado briefly touched down 3 miles west of Pittsville at 5:45 PM CST. The tornado was 10 yards wide and was on the ground for a tenth of a mile. The tornado knocked down trees 3 miles west of Pittsville.

Event 14: June 8, 2003

The F0 tornado touched down 4 miles south of the Marshfield Municipal Airport in Marshfield at 12:59 PM CST. The tornado was 50 yards wide and traveled a tenth of a mile before dissipating 4.1 miles south of the Marshfield Municipal Airport at 1:02 PM CST. The tornado tore siding from a garage, broke windows, destroyed a playhouse, a doghouse, and blew two 50-pound barrels 200 yards away.

Event 15: June 7, 2007

The EF0 tornado touched down 2.2 miles south of Wisconsin Rapids at 3:26 PM CST. The brief tornado was seen by a storm chaser before dissipating 2.1 miles south of Wisconsin Rapids. The same storm also produced hail up to 5.5 inches in diameter in Port Edwards and Wisconsin Rapids.

Event 16: July 29, 2008

The EF0 tornado touched down 4.2 miles southeast of Nasonville in Wood County at 5:44 PM CST. The tornado was 25 yards wide and traveled a mile and a half before dissipating 4.7 miles west of Bethel at 5:49 PM CST. The tornado touched down north of Pittsville, tearing leaves and twigs from tops of trees. The tornado was seen by a county sheriff.

Event 17: July 14, 2010

The EF0 tornado touched down 2.5 miles west southwest of Veedum in Wood County at 4:18 PM CST. The tornado traveled a quarter of a mile and was 50 yards wide before it dissipated 2.2 miles west southwest of Veedum. The brief tornado was reported by the public and confirmed by local emergency management about 5 miles west of Pittsville. A dozen trees were knocked down and several large tree limbs fell onto a house. Wind speed estimated at 80 mph.

TORNADO / WATERSPOUT REFERENCE GUIDE – WOOD COUNTY

Event 18: May 22, 2011

The EF1 tornado moved out of Juneau County at 5:03 PM CST and moved across southern Wood County. The storm hit a campground on the east shore of the Wisconsin River about three miles south of Nekoosa. Over 100 pine trees were snapped and uprooted on the campground, some two feet in diameter. Several camper vehicles were damaged by fallen trees. The tornado was seen by campground visitors just before 5:15 PM CST. The tornado continued east-northeast and snapped or uprooted hundreds of additional trees south of Wisconsin Rapids. The storm damaged at least six homes and several other buildings about six miles south-southeast of Wisconsin Rapids. One of the houses lost the entire roof of a garage. A woman was in the garage at the time. She sustained injuries when the garage fell on the truck that she was taking shelter in. This area experienced a high-end EF1 damage with winds at least 95 to 105 mph. The tornado entered Portage County around 5:20 PM CST. The tornado moved across mainly farmland. The twister continued to snap trees and overturn agricultural irrigation systems. About six miles south of Plover, a nearly half-mile long row of power poles was bent over. The tornado crossed Interstate 39 at Coddington Road two miles west of Keene. The tornado grew to nearly 700 yards wide as it passed just north of Keene and heavily damaged a farmstead. A silo was damaged, and a barn was flattened. Several outbuildings were also damaged or destroyed. Along the path, at least two dozen irrigation systems were overturned and damaged resulting in over one million dollars in losses. Many hundreds of trees were snapped or uprooted. This area experienced high end EF1 damage with winds of 100 to 110 mph. The tornado dissipated about 9 miles southeast of Plover at 5:46 PM CST. The average width was 300 yards in Portage County.

Event 19: August 23, 2011

The EF0 tornado was witnessed by local law enforcement. The tornado touched down for less than 10 seconds in a corn field. A couple of stalks of corn were thrown in the air, but no damage was reported. The EF0 tornado was estimated to have winds around 60 mph.