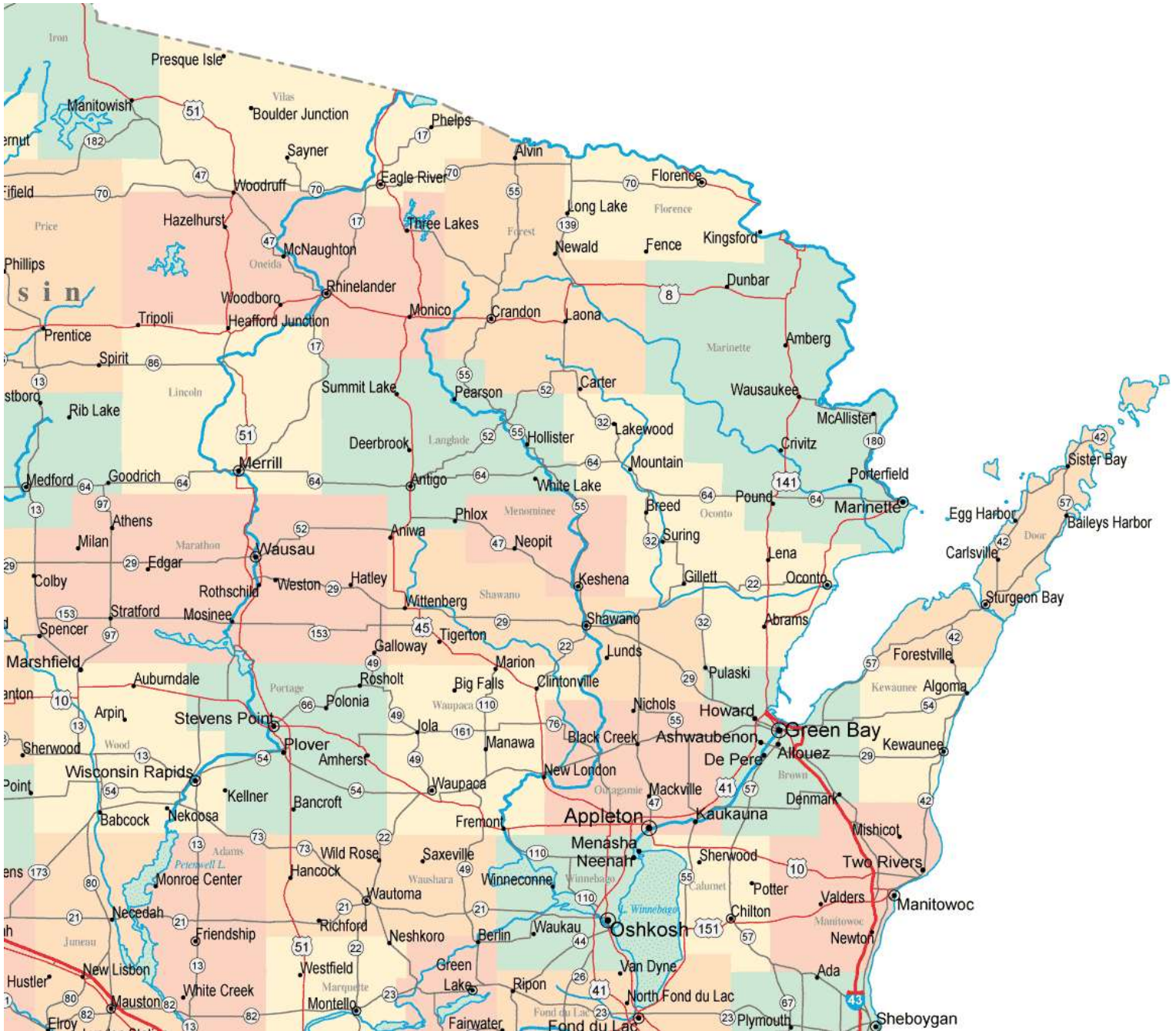


F/EF1 TORNADO & WATERSPOUT GUIDE (1950-2023) FOR NORTH-CENTRAL AND NORTHEAST WISCONSIN

Updated: 1/1/24



F/EF1 TORNADO & WATERSPOUT GUIDE (1950-2023)
FOR NORTH-CENTRAL AND NORTHEAST WISCONSIN

BROWN

MENOMINEE

CALUMET

OCONTO

DOOR

ONEIDA

FOREST

OUTAGAMIE

FLORENCE

PORTAGE

KEWAUNEE

SHAWANO

LANGLADE

VILAS

LINCOLN

WAUPACA

MANITOWOC

WAUSHARA

MARATHON

WINNEBAGO

MARINETTE

WOOD

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

Event #	Date			Time (CST)	Start / End 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 Valders	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 - 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	Skawanank - 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	1971	02:00	Wisconsin Rapids	Wood

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

Event #	Date			Time (CST)	Start / End Locations	TOR in GRB Service Area
	Month	Day	Year			County or Counties
41	8	21	1972	15:10	Goodwin - Two Rivers	Manitowoc
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	Biramwood	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

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

Event #	Date			Time (CST)	Start / End Location	TOR in GRB Service Area
	Month	Day	Year			County or Counties
82	7	12	1987	11:27-11:30	1 S Francis Creek	Manitowoc
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

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

Event	Date			Time		TOR in GRB Service Area
#	Month	Day	Year	(CST)	Start / End Locations	County or Counties
123	6	7	2007	17:16-17:20	3.5 W Harmony - 1.2 N Harmony	Marinette
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 - 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 - 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	1.4 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	7	28	2021	19:39-19:44	4.8 SE Merrill - 2.8 NE Granite Heights	Lincoln, Marathon
156	8	08	2021	14:52-14:58	3.7 SSW - 1.1 W Coloma	Waushara
157	8	10	2021	16:58-17:11	1.3 SE Stinson - 2.4 SW Drephal	Outagamie
158	6	15	2022	16:34-16:46	1.2 ESE Wittenberg - 2.8 NNW Bowler	Shawano
159	6	15	2022	16:41-16:47	1.4 WNW Brushville - 1.4 NE West Bloomfield	Waushara
160	6	15	2022	16:46-16:47	4 NNE Bowler - 4.5 NNE Bowler	Shawano
161	6	15	2022	16:52-16:56	1 W Manawa - 2 SSE Symco	Waupaca
162	6	15	2022	17:09-17:11	0.9 E Leeman - 2.3 NE Leeman	Outagamie - Shawano
163	6	15	2022	17:34-17:41	0.7 WSW Middle Inlet - 0.6 ENE Wausaukee	Marinette

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

Event	Date			Time	TOR in GRB Service Area	
#	Month	Day	Year	(CST)	Start / End Locations	County or Counties
164	6	15	2022	17:45-17:54	5.3 NW Athelstane - 2.2 SE Beecher Lake	Marinette
165	6	15	2022	18:00-18:04	2.7 ENE - 3.3 ENE Kremlin	Marinette

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

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 p m 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.

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.

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

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.

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.

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

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.

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

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 F1 tornado touched down 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

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 strong F3 tornado. 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.

F/F1 TORNADO & WATERSPOUT REFERENCE GUIDE

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 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 42: 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 43: 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.

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 F1 tornado formed in Adams County and then the 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.

F/F1 TORNADO & WATERSPOUT REFERENCE GUIDE

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, a farm house was damaged, trees and power lines were down 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.

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

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 four-mile path 50 yards wide resulted in damage to several garages in Black Creek.

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

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.

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

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 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 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 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.

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

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 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 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 PM 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 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 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.

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

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 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 tornado touched down a mile and a half southwest of Phelps in Vilas County around 4:40 PM CST. The F1 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.

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

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 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 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 and a number of 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.

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

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.

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

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

A 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.

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

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 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 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.

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

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.

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

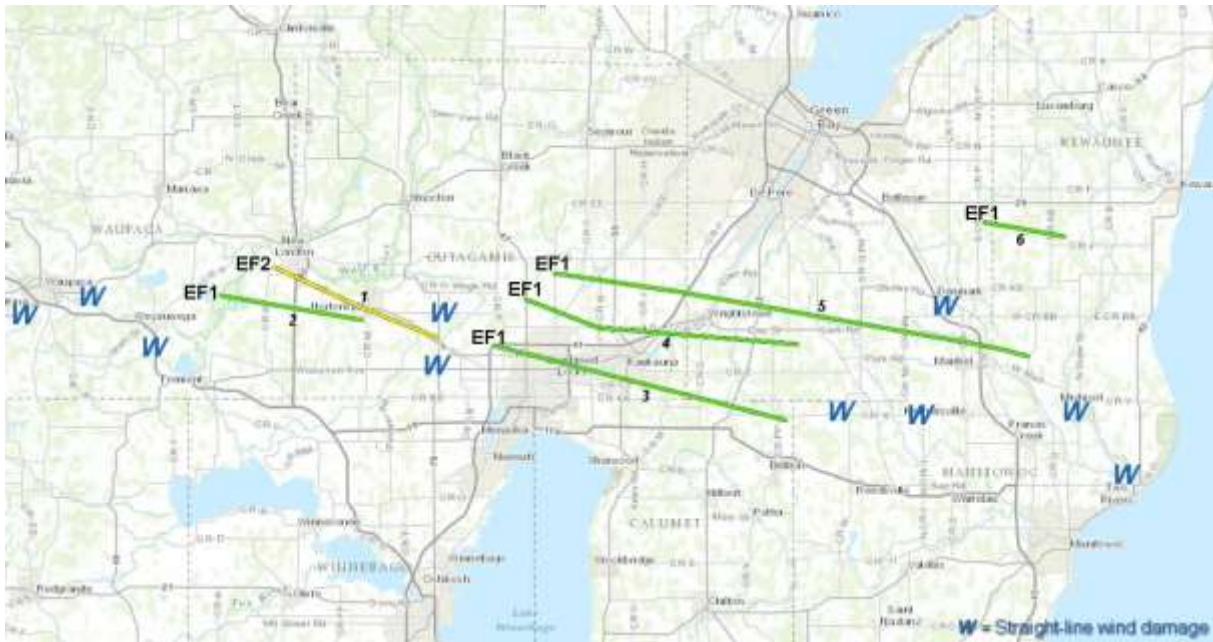
The EF1 tornado quickly developed northwest of the city of Wausaukee during the late afternoon and moved southeast for nearly eight miles before dissipating. The twister touched down near Long Lake, snapping or uprooting hundreds of trees as it moved towards Wausaukee. A mobile home near Long Lake was 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 travelling 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.

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

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 travelling 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 travelling 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 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.

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

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 travelling 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 travelling 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. The 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 141: July 6, 2015

The EF1 tornado touched down at 2:38 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! The radar image on the next page shows in the intense rotation west of Marion.

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

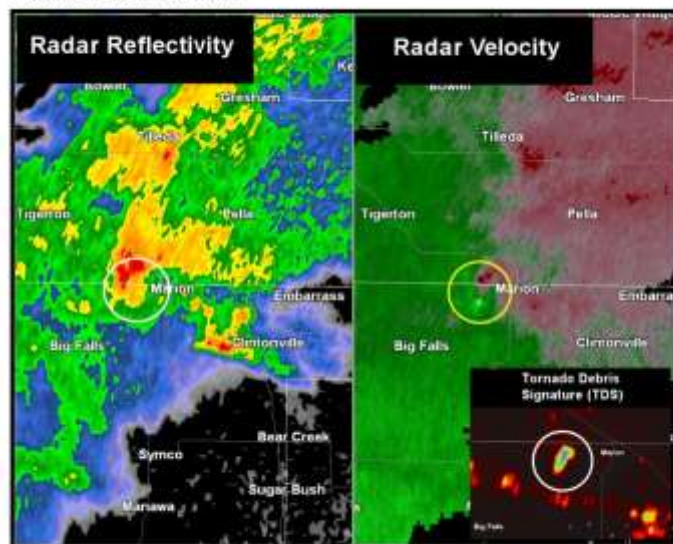
Event 141: July 6, 2015 Continued



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	5:03 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: 2.2 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.

Here are some damage photos from the Marion tornado:

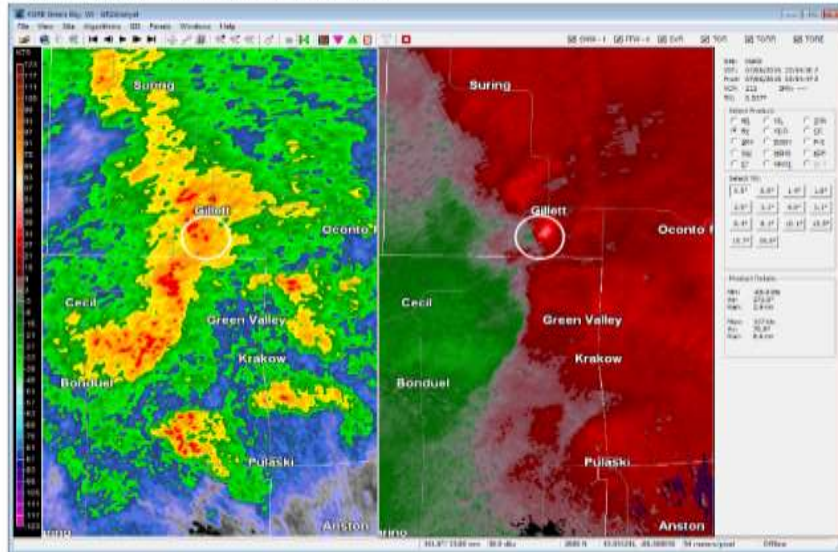


F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

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 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 555 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 555 pm CDT.

Here are some damage photos from the Gillett tornado:



F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

Event 143: June 26, 2016

The EF1 tornado touched down 4.2 east southeast of Symco in Waupaca County around 1:30AM 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 heavily 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 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 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.

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

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.

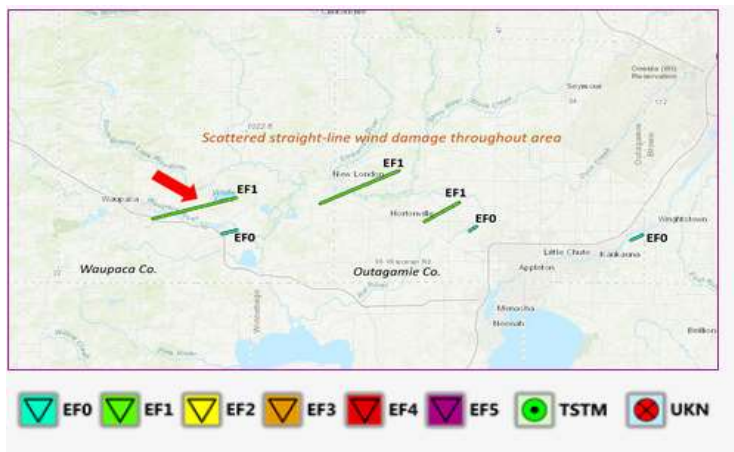
Event 151: August 28, 2018

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.

Event 153: 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 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.

F/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

Event 155: 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 156: 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 157: 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 158: 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 159: 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 160: 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 161: 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 162: 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 163: 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.

/EF1 TORNADO & WATERSPOUT REFERENCE GUIDE

Event 164: 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 165: 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.