

# JULY TORNADO / WATERSPOUT GUIDE (1950-2024)

## FOR NORTH CENTRAL AND NORTHEAST WISCONSIN

Updated: 1/1/25



# **JULY TORNADO / WATERSPOUT GUIDE (1950-2024)**

**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**

# JULY TORNADO / WATERSPOUT GUIDE

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Start / End 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 (waterspout)	Door

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Event	F/EF	Date			Time		TOR in GRB Service Area
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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

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#	Rank	Month	Day	Year	(CST)	Start / End 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 S Custer - 2.3 NNE Arnott	Portage
91	0	7	18	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 S 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	8	27	2023	18:22-18:26	18.1 - 17.0 WSW Long Lake	Florence

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## **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.

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## **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 F1 tornado touched down 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.

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## **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



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## **Event 28: July 3, 1983 continued**

Highway F just south of Cherokee, and into the 18 acres 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 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 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 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.

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## **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.

## **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 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.

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## **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 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.

## **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 tornado 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.

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## **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.

## **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, 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 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 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 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 tornado (F0) 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.

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## **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.

## **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.

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## **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.

## **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**

The EF0 tornado touched down 0.5 miles 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.

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## 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.

## 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 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

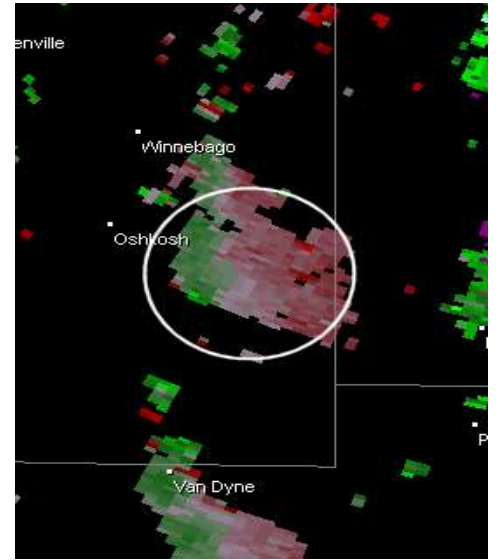
A very weak and brief EF0 waterspout formed under a rain shower over southern Lake Winnebago, about 5 miles southeast of Oshkosh around 6:05 PM CST. The waterspout (photo below) was on the water for a just a few seconds and then dissipated. The parent funnel was seen by hundreds of people across the area. No damage occurred.



Photograph submitted to NWS.



Radar image: Green Bay radar.



Velocity image: Green Bay radar.

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## Event 87: July 6, 2015

The EF0 tornado touched down at 2:31 PM CST 3.4 miles west of Marion (see map below) 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.

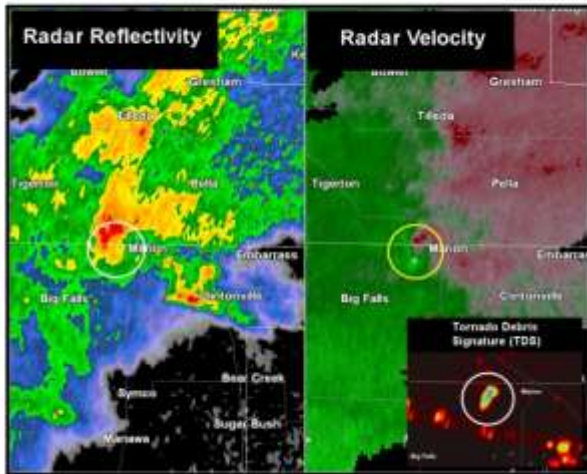
This was one of three tornadoes that touched down in northeast Wisconsin on this date. What was unusual about this event was there was no thunder noted with the tornadoes. The radar image shows in the intense rotation west of Marion.



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	3:03 PM, 2 E Pella	3:03 PM, 2 E Pella	Length: 0.1 mi Width: 25 yards
Gillet EF1	3:50 PM, 2 E Gillet	3:03 PM, 3 ENE Gillet	Length: 3.2 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:



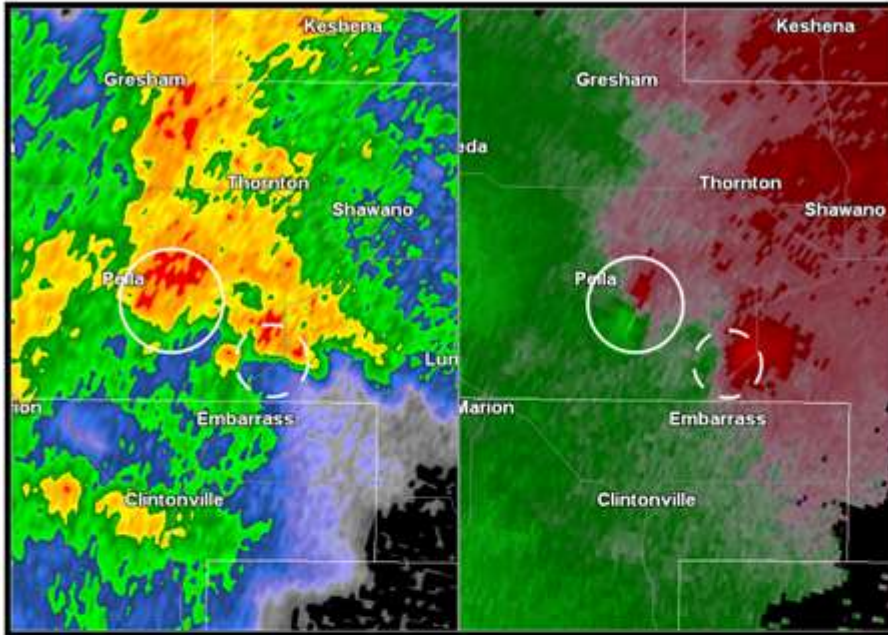


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## Event 88: July 6, 2015

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:

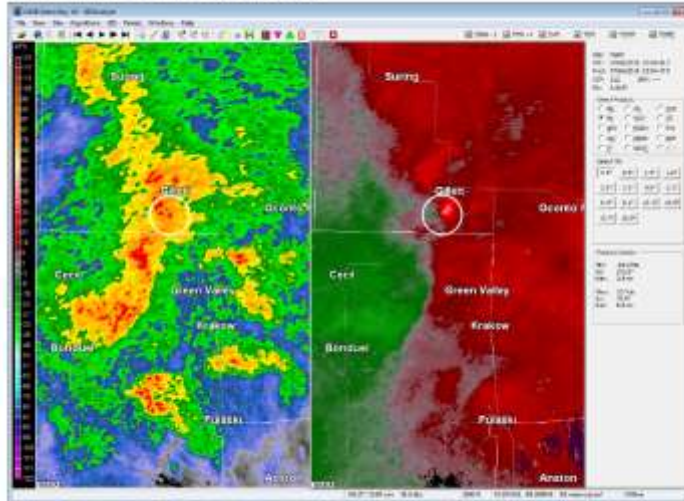


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## Event 89: July 6, 2015

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 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:



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## 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

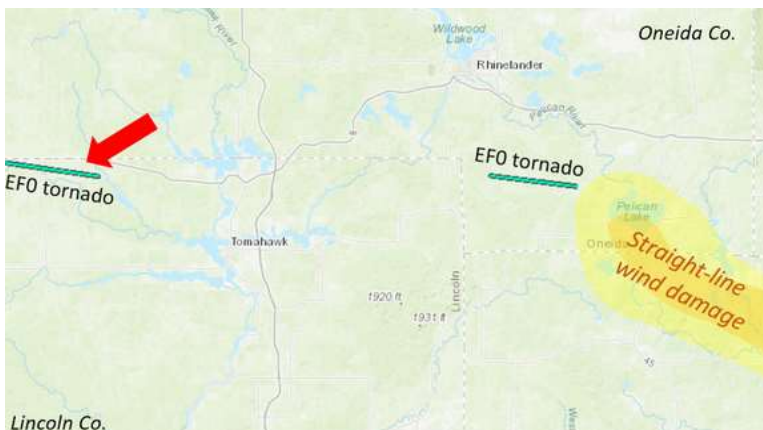
The brief thin EF0 tornado touched down in an open field between Plainfield and Hancock in Waushara County around 4:35 PM CST. No damage was reported, but dust and a few small branches were lofted in the air by the funnel. The tornado was 10 yards wide and traveled nearly two tenths of a mile before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

## Event 93: July 19, 2019

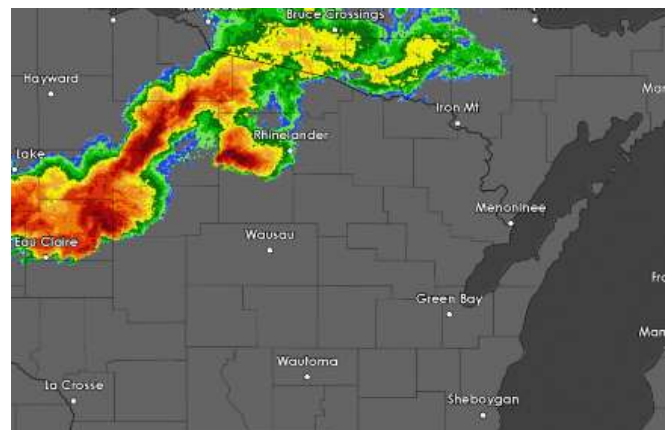
The EF0 tornado touched down just over seven miles north-northwest of Spirit Falls in Lincoln County around 5:47 PM CST. The tornado produced scattered tree damage and was seen by the public. Winds were estimated at 75 to 80 mph. The tornado was 50 yards wide and traveled six and a half miles before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



**Radar Image**

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## Event 95: 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 96: 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 Tracks

## Event 97: 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 98: 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 99: 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.

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## **Event 100: 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 10:23AM 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 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 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.