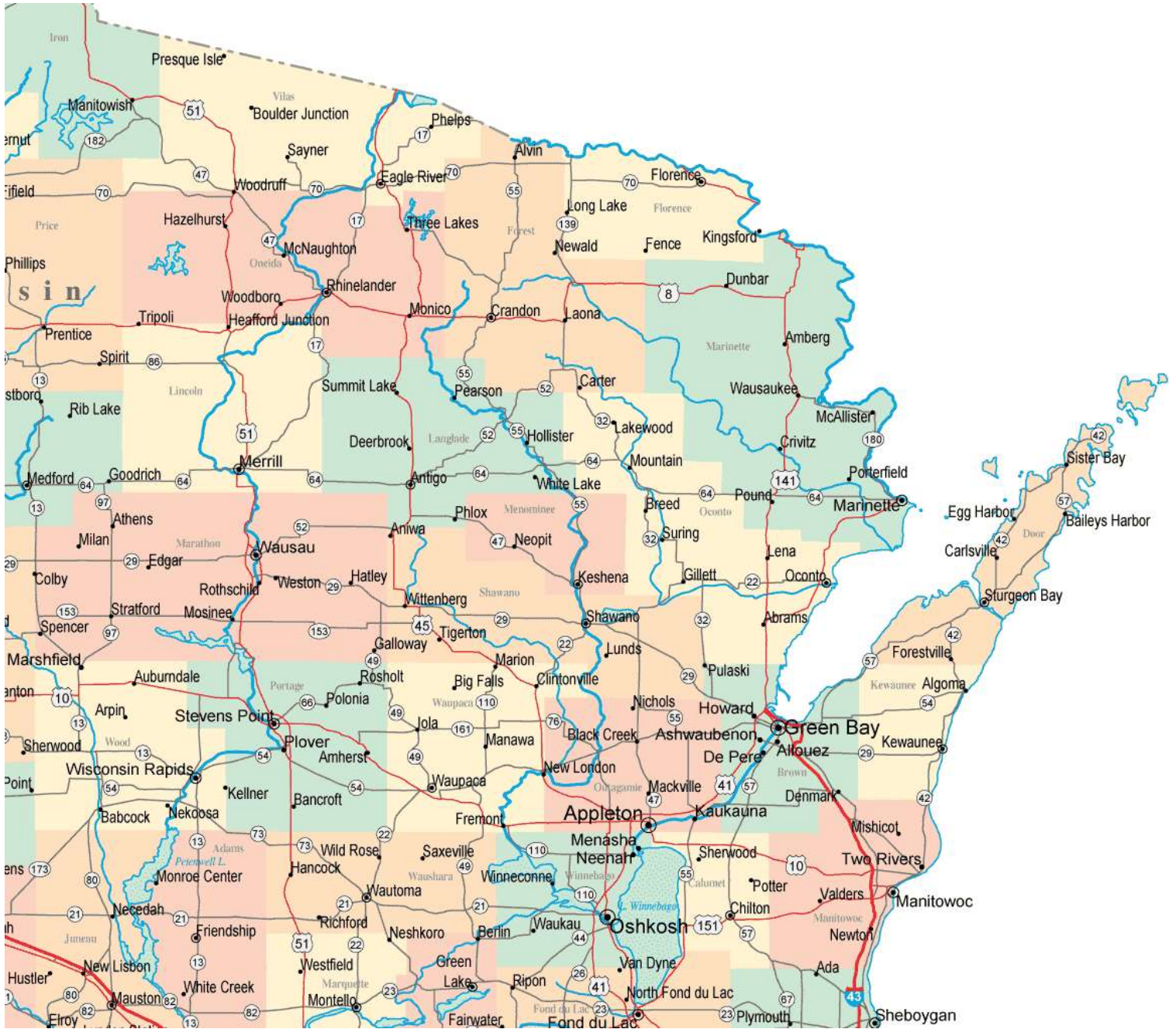


MORNING TORNADO & WATERSPOUT GUIDE (1950-2023) (FOR NORTH-CENTRAL AND NORTHEAST WISCONSIN)

MORNING TORNADOES (MIDNIGHT TO NOON CST)

UPDATED: 1/1/24



MORNING TORNADO & WATERSPOUT GUIDE (1950-2023)

(FOR NORTH CENTRAL AND NORTHEAST WISCONSIN)

MORNING TORNADOES (MIDNIGHT TO NOON CST)

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Date	Year	(CST)	Start / End Location	County or Counties
1	2	6	20	1954	02:30-02:40	Rothschild - 6 NE Mosinee	Marathon
2	2	6	20	1954	04:00	Brothertown	Calumet
3	1	5	4	1959	10:30	Wausau	Marathon
4	1	5	4	1959	11:45	Deerbrook	Langlade
5	2	5	6	1959	03:20	Symco - 3 SE Clintonville	Outagamie - Waupaca
6	2	9	3	1961	00:10	Fenwood	Marathon
7	1	9	3	1961	01:00	Athens	Marathon
8	1	7	1	1967	00:45	3 E Kiel	Manitowoc
9	2	6	30	1968	04:00	3 NW Cavour	Forest
10	1	6	30	1968	04:45	3 S Pembine	Marinette
11	1	12	1	1970	07:00	Hull	Portage
12	2	12	1	1970	09:00	12 SE Marshfield	Wood
13	2	12	1	1970	09:45-10:30	4 NW Iola - Pella	Shawano - Langlade - Oconto
14	3	12	1	1970	10:10-1045	near Medina - Rose Lawn	Outagamie - Shawano
15	1	7	8	1971	02:00	Wisconsin Rapids	Wood
16	0	7	30	1971	07:00	4 E Oshkosh (waterspout)	Winnebago
17	1	3	11	1973	10:30	2 E Calumetville	Calumet
18	1	6	18	1973	11:00	2 W Athens	Marathon
19	1	7	12	1973	03:00	Boulder Junction - Sayner	Vilas
20	1	7	12	1973	07:30	Jacksonport	Door
21	1	7	12	1973	08:00	4 W Freedom	Outagamie
22	2	6	16	1979	09:30	Oconto Falls - 2 NE Lena	Oconto
23	1	8	4	1979	10:00	Manitowoc	Manitowoc
24	2	6	7	1980	00:20	Valders	Manitowoc
25	1	7	5	1980	00:30	Valders	Manitowoc
26	2	4	4	1981	00:35	4 W Kiel	Calumet
27	1	7	3	1983	04:39	Eagle River	Vilas
28	0	4	27	1984	04:05	Saratoga	Wood
29	0	7	28	1991	10:15	Near Rock Island (waterspout)	Door
30	0	7	28	1991	10:15	Near Washington Island (waterspout)	Door
31	0	6	29	1995	11:05	10 SW Kewaunee	Kewaunee
32	2	8	7	1996	01:45-01:49	6.5 N Stratford - 2.5 NNW Fernwood	Marathon
33	1	8	7	1996	01:46-01:47	1 N - 1.2 NE Stratford	Marathon
34	1	8	7	1996	02:19-02:21	0.4 SW Shantytown - Shantytown	Marathon

MORNING TORNADO & WATERSPOUT GUIDE (1950-2023)

(FOR NORTH CENTRAL AND NORTHEAST WISCONSIN)

MORNING TORNADOES (MIDNIGHT TO NOON CST)

Event	F/EF	Date			Time		TOR in GRB Service Area
#	Rank	Month	Day	Year	(CST)	Start / End Location	County or Counties
35	0	5	31	1998	00:20-00:21	4 WSW Mosinee	Marathon
36	1	5	31	1998	01:20-01:24	0.5 N Stockbridge - 2 NE Stockbridge	Calumet
37	0	6	8	2003	11:40	4 W Oshkosh - Wittman Field	Winnebago
38	0	5	23	2004	05:47	2.7 E Reedsville	Manitowoc
39	0	9	29	2006	09:20-09:55	Chambers Is. - 12 SE Cedar River (waterspout)	Door
40	1	8	7	2013	00:05-00:10	0.5 SSE Henrysville - 1 NE Stangelville	Brown - Calumet - Kewaunee
41	1	6	26	2016	01:30-01:35	4.2 ESE Symco - 6.4 NNE Northport	Waupaca
42	1	8	4	2016	10:20-10:26	1.3 NNE Cherokee - 4.4 SSW Stratford	Marathon
43	0	8	20	2016	09:03-09:06	1.1 W - 0.8 NW Kewaunee	Kewaunee
44	0	7	20	2018	11:55-11:56	1.4 NW Silver Lake	Waushara
45	1	7	20	2019	09:55-10:03	1.4 SSE Waupaca - 2.1 ESE White Lake	Waupaca
46	0	7	20	2019	10:00-10:02	0.6 SSW Weyauwega - 1.1 E Weyauwega	Waupaca
47	0	7	20	2019	10:09-10:20	1.8 SSW New London - 2.9 SW Shiocton	Outagamie, Waupaca
48	1	7	20	2019	10:18-10:22	2.6 E Hortonville - 3.3 ESE Stephenville	Outagamie
49	0	7	20	2019	10:22-10:23	1.9 NE Greenville - 2.6 NE Greenville	Outagamie
50	0	7	20	2019	10:36-10:38	3.2 ENE Little Chute - 4.3 ENE Little Chute	Outagamie

MORNING TORNADO & WATERSPOUT GUIDE

(FOR NORTH CENTRAL AND NORTHEAST WISCONSIN)

MORNING TORNADOES (MIDNIGHT TO NOON CST)

Event 1: June 20, 1954

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

Event 2: June 20, 1954

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

Event 3: May 4, 1959

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

Event 4: May 4, 1959

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

Event 5: May 6, 1959

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

Event 6: September 3, 1961

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

Event 7: September 3, 1961

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

Event 8: July 1, 1967

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

Event 9: June 30, 1968

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

Event 10: June 30, 1968

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

MORNING TORNADO & WATERSPOUT GUIDE

(FOR NORTH CENTRAL AND NORTHEAST WISCONSIN)

MORNING TORNADOES (MIDNIGHT TO NOON CST)

Event 11: December 1, 1970

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

Event 12: December 1, 1970

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

Event 13: December 1, 1970

Four rare and only December tornadoes were reported on this date across north central and northeast Wisconsin. The F2 tornado touched down with severe damage around 9:45 AM CST on the Heschke farm 4 miles northwest of Iola in Waupaca County. The tornado moved east for 28 miles across Waupaca County into Shawano County before dissipating in Pella around 10:30 AM CST. The maximum width of the tornado was 200 yards. Additional damage occurred in the Marion and Pella areas. A lady and her three small children escaped injury when their mobile home was lifted by the tornado and exploded with debris scattered over the field.

Event 14: December 1, 1970

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

Event 15: July 8, 1971

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

Event 16: July 30, 1971

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

Event 17: March 11, 1973

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

Event 18: June 18, 1973

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

MORNING TORNADO & WATERSPOUT GUIDE

(FOR NORTH CENTRAL AND NORTHEAST WISCONSIN)

MORNING TORNADOES (MIDNIGHT TO NOON CST)

Event 19: July 12, 1973

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

Event 20: July 12, 1973

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

Event 21: July 12, 1973

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

Event 22: June 16, 1979

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

Event 23: August 4, 1979

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

Event 24: June 7, 1980

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

Event 25: July 5, 1980

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

Event 26: April 4, 1981

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

Event 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.

MORNING TORNADO & WATERSPOUT GUIDE

(FOR NORTH CENTRAL AND NORTHEAST WISCONSIN)

MORNING TORNADOES (MIDNIGHT TO NOON CST)

Event 28 April 27, 1984:

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

Event 29: July 28, 1991

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

Event 30: July 28, 1991

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

Event 31: June 29, 1995

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

Event 32: August 7, 1996

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

Event 33: August 7, 1996

The brief F1 tornado touched down one mile north of Stratford in Marathon County around 1:46 AM CST. The tornado was 100 yards wide and only traveled two tenths of a mile before dissipating 1.2 miles northeast of Stratford 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 34: August 7, 1996

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

Event 35: May 31, 1998

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

MORNING TORNADO & WATERSPOUT GUIDE

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MORNING TORNADOES (MIDNIGHT TO NOON CST)

Event 36: May 31, 1998

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

Event 37: June 8, 2003

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

Event 38: May 23, 2004

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

Event 39: September 29, 2006

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

Event 40: August 7, 2013

The last tornado of the night to strike Northeast Wisconsin on this date, the EF1 tornado touched down a half mile south southeast of Henrysville in Brown County around 12:05 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.



MORNING TORNADO & WATERSPOUT GUIDE

(FOR NORTH CENTRAL AND NORTHEAST WISCONSIN)

MORNING TORNADOES (MIDNIGHT TO NOON CST)

Event 41: June 26, 2016

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

Event 42: August 4, 2016

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

Event 43: August 20, 2016

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

Event 44: July 20, 2018

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

Event 45: 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.

MORNING TORNADO & WATERSPOUT GUIDE

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MORNING TORNADOES (MIDNIGHT TO NOON CST)

Event 46: 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 47: 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 48: July 20, 2019

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

Event 49: July 20, 2019

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

Event 50: 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.