

OUTAGAMIE COUNTY TORNADO GUIDE

(1950-2017)

EVENT	DATE			TIME		F/EF	WIDTH	PATH
#	MONTH / DATE / YEAR			(CST)	DIRECTION / LOCATION	RANK	(YARDS)	(MILES)
1	5	6	1959	0320	Symco to 3 SE Clintonville	2	1000	7.2
2	5	6	1959	1330	3 NE Shiocton	2	200	3.0
3	8	28	1959	1404	3 N Appleton	2	35	1.0
4	5	8	1964	1830-1906	Winneconne-Wrightstown	2	100	35.0
5	8	5	1968	1400	3 NW Seymour	1	150	1.9
6	8	16	1968	1230	Kaukauna	2	100	2.0
7	6	26	1969	1115-1130	Black Creek - Pulaski	3	100	18.0
8	12	1	1970	1015	Medina - Rose Lawn	3	200	13.1
9	7	12	1973	0800	4 W Freedom	1	100	1.0
10	6	13	1976	2000	5 E Seymour	1	50	0.5
11	5	30	1980	1605-1614	Black Creek	1	50	4.0
12	5	6	1982	1430	2 S Stephenville - 1 S Black Creek	2	100	9.0
13	4	27	1984	1520-1540	1 NE Winneconne - Freedom	4	600	27.5
14	5	16	1992	1920-1930	Kaukauna - 3 N Holland	1	100	4.0
15	6	23	2004	2000-2008	Little Chute - Kaukauna	1	100	3.5
16	6	13	2005	1449-1450	4.1 NNE - 4 NNE Black Creek	0	75	0.2
17	4	10	2011	1806-1843	1 SW Saxeville - 1 SE Hortonville	1	200	27.6
18	4	10	2011	1943-1946	1.2 SW Kaukauna - 0.3 S Little Chute	2	175	1.5
19	8	6	2013	2322-2333	4 NNE Partridge - 0.8 WSW Hortonville	1	125	9.8
20	8	6	2013	2324-2333	1.2 W New London - 0.4 WSW Greenville	2	175	13.1
21	8	6	2013	2338-2353	0.4 SE Mackville - 2.7 W Morrison	1	175	19.2
22	8	6	2013	2338-2352	3.5 E Greenville - 2.6 NNE Brillion	1	150	20.7
23	8	6	2013	2340-0010	2.7 ENE Mackville - 1.1 NNE Larrabee	1	200	33.1
24	6	10	2016	1900-1903	1.3 SW Mackville - 1.8 S Mackville	0	25	1.4
25	6	14	2017	1428-1437	2.6 SSW Appleton - 1.7 NNW Little Chute	0	125	8.4
26	6	14	2017	1430-1434	2.9 SSW Mackville - 2.0 SE Mackville	0	50	2.8
27	6	14	2017	1431-1438	3.1 ENE Bear Creek - 2.3 WNW Leeman	0	50	4.0
28	6	14	2017	1440-1445	1.9 W Nichols - 1.2 WNW Briarton	0	100	4.0

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Event 1: May 6, 1959

The F/EF-2 tornado developed near Symco in Waupaca County and travelled a little over 7 miles to three miles southeast of Clintonville in Outagamie County around 3:20 am CST. A second tornado hit Outagamie County later that afternoon.

Event 2: May 6, 1959

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

Event 3: August 28, 1959

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

Event 4: May 8, 1964

Another long tracked F/EF-2 tornado was noted on May 8, 1964 across northeast Wisconsin. The tornado developed near Winneconne in Winnebago County around 6:30 pm CST. The tornado travelled northeast across Menasha, striking the John Strange Paper Company. The tornado continued into Neenah, near the Fox Point Shopping Center. The Fox Point Shopping Center suffered extensive damage where windows were blown in, and sections of the roof were blown off. The tornado continued into the southeast corner of Appleton near the Calumet Street power substation. The tornado finally dissipated in Wrightstown around 7:06 pm. At least ten barns were destroyed near Kaukauna.

Event 5: August 5, 1968

The F/EF-1 tornado touched down 3 miles northwest of Seymour around 2 pm CST. The tornado was 150 yards wide and was on the ground for two miles before dissipating. Nine barns and farm buildings were destroyed.

Event 6: August 16, 1968

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

Event 7: June 26, 1969

A rare morning tornado was reported across northeast Wisconsin. Around 11:15 am CST, the F/EF-3 tornado was noted moving northeast between Black Creek and near Pulaski in Outagamie County. The tornado travelled across far southeast Shawano County before dissipating 8 miles west of Sobieski in Oconto County around 11:30 am CST. The tornado caused extensive damage to trees and buildings in Black Creek, Seymour, Hofa Park, and Elm Lawn and near Pulaski. A seven year old girl was hospitalized from injuries when a barn fell on her. The tornado travelled 18 miles and reached a maximum width of 100 yards.

Event 8: December 1, 1970

The F/EF-3 tornado developed around 10:15 am CST near Medina. The tornado moved northeastward at approximately 50 mph; destroying about twenty barns and five homes. The tornado caused additional property damage along a track from Medina to Black Creek and beyond to near County Trunk C in southeastern Shawano County. The tornado was 200 yards wide 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.

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Event 9: July 12, 1973

The F/EF-1 tornado developed 4 miles west of Freedom around 8 am CST. The tornado was 100 yards wide and travelled one mile. Farm buildings were destroyed on the Ken Geiger farm 4 miles west of Freedom.

Event 10: June 13, 1976

The tornado (F/EF-1) developed near county highway H and Highway 54 about five miles east of Seymour around 8 pm CST. The tornado was 50 yards wide and travelled a half mile. Three barns were destroyed.

Event 11: May 30, 1980

The F/EF-1 tornado touched down about 2 miles outside of Black Creek around 4:05 pm CST. The tornado travelled east around 4 miles before dissipating around 4:14 pm CST two miles east of Black Creek. An intermittent four mile path 50 yards wide resulted in damage to several garages in Black Creek.

Event 12: May 6, 1982

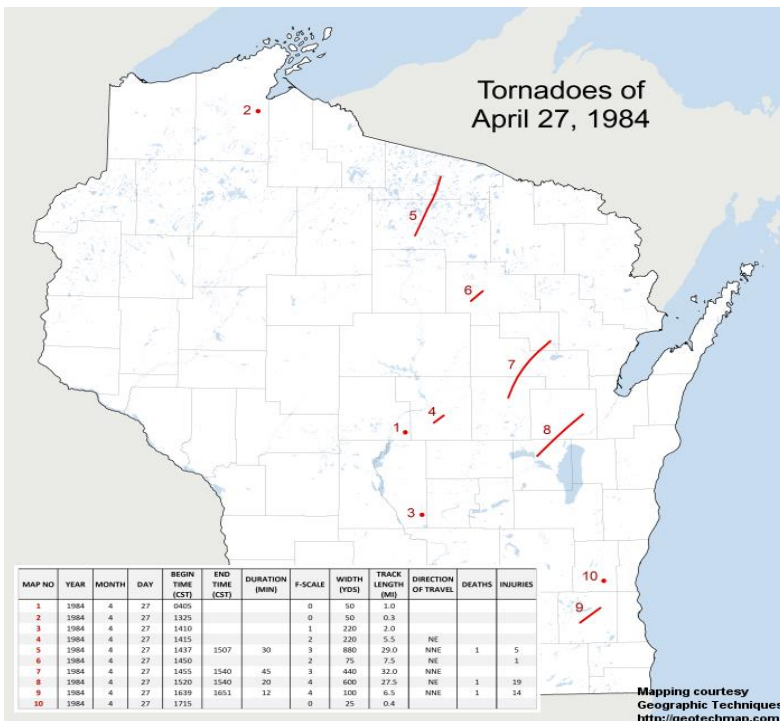
The F/EF-2 tornado cut a 9 mile path from 2 miles south of Stephenville to one mile south of Black Creek around 2:30 pm CST. The tornado reached a maximum width of 100 yards. Many small rural structures were destroyed. Some damage occurred to 12 large farm buildings and equipment inside. Two additional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

Event 13: April 27, 1984

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

The Fox Valley Tornado

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



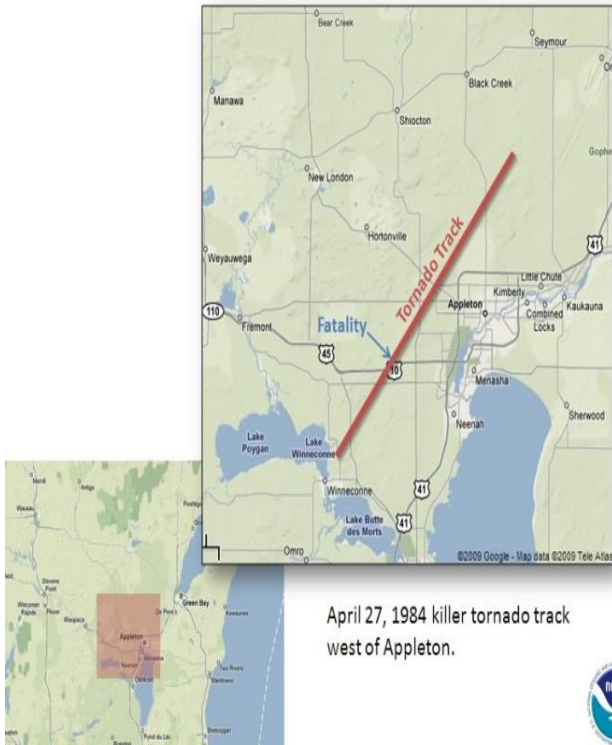
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Event 13: April 27, 1984 continued

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

Other tornadoes on April 27, 1984 across Northeast Wisconsin

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



April 27, 1984 killer tornado track west of Appleton.

Event 14: May 16: 1992

The F/EF-1 tornado formed near Lamers and Clancy Roads near Kaukauna around 7:20 pm CST. The tornado was 100 yards wide and travelled several miles into extreme southwest Brown County where it dissipated 2 miles southwest of Wrightstown around 7:30 pm CST. Numerous trees were down, some of which landed on houses.

Event 15: June 23, 2004

The F/EF-1 tornado touched down in at least four locations from Little Chute to Kaukauna between 8 pm and 8:08 pm CST. The tornado was 100 yards wide and travelled 3.5 miles before dissipating. The tornado toppled or twisted large trees, ripped parts of the roofs from residential and commercial buildings, destroyed storage sheds and an old barn. Semi trailers were overturned, some of them onto other vehicles.

Event 16: June 13, 2005

The F/EF-0 tornado touched down 4.1 miles north northeast of Black Creek at 2:49 pm CST. The tornado was 75 yards wide and was on the ground two tenths of a mile before it dissipated 4.1 miles north northeast of Black Creek at 2:50 pm CST. The tornado knocked down a tree and caused damage to shingles at a residence.

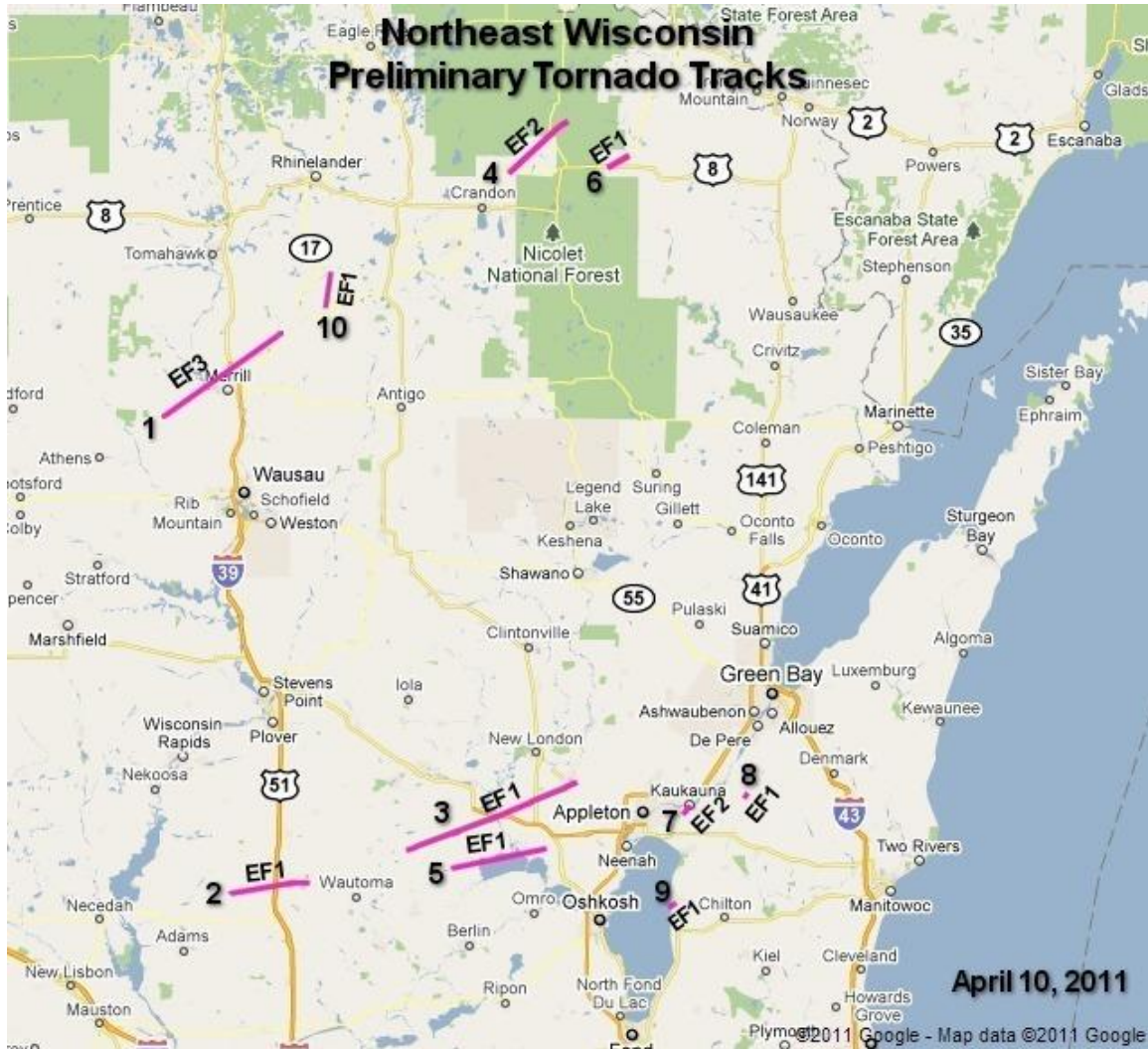
Event 17: April 10, 2011

The F/EF-1 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. The debris was 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

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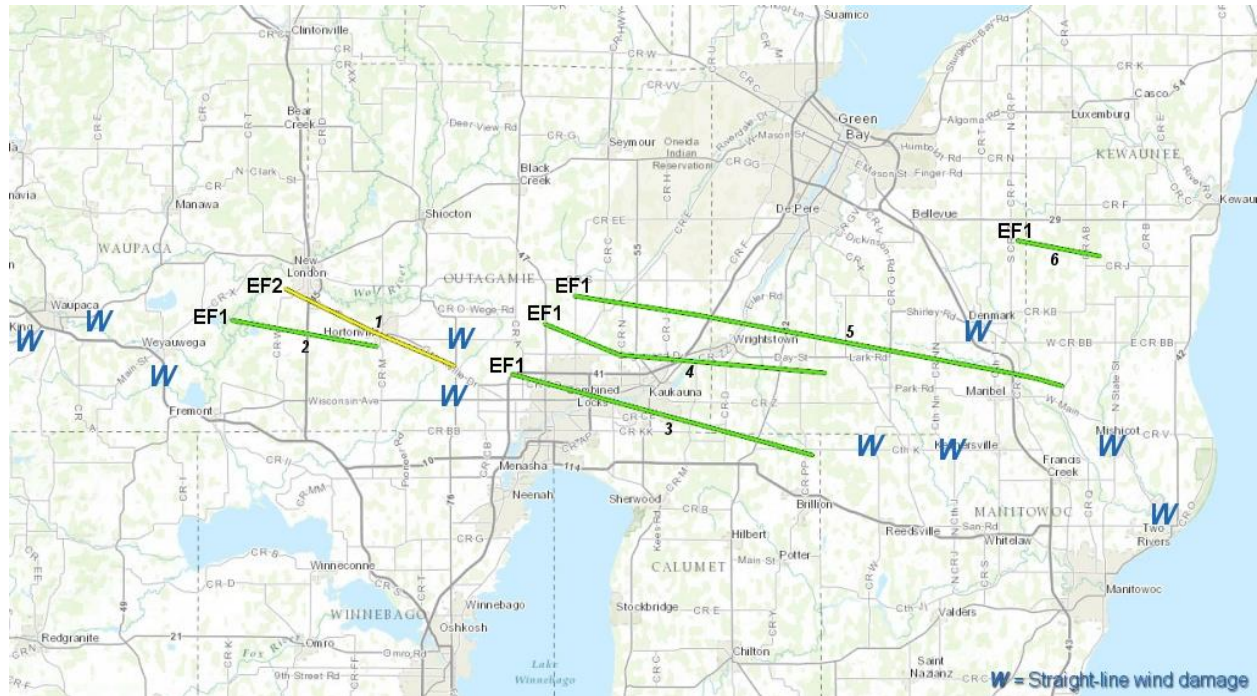
Event 18: April 10, 2011

The F/EF-2 tornado touched down in the southwest side of Kaukauna near County Road CE at 7:43 pm CST. The tornado cut through the center of a subdivision as it moved north-northeast to near the Fox River before lifting off the ground. Seven homes were destroyed, 24 homes and four businesses sustained major damage and 160 other homes sustained minor damage. Several houses lost large sections of their roofs in the hardest hit area of the city. The average path width was 125 yards.



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



Event 19: August 6, 2013

The first of six late night tornadoes to strike Northeast Wisconsin on this date, The (F/EF-0) 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 am CST. The tornado damaged or uprooted trees as it moved across Outagamie County. Based on radar analysis, the circulation of this tornado may have merged with the other tornado that was occurring concurrently in the county near Hortonville. The tornado travelled 9.8 miles before dissipating eight tenths of a mile west southwest of Hortonville at 11:30 pm CST. The maximum width of the tornado in Outagamie and Waupaca Counties was 125 yards, with an average width of 75 yards in both counties.

Event 20: August 6, 2013

The second of six late night tornadoes to strike Northeast Wisconsin on this date, the (F/EF-2) tornado touched down 1.2 miles west of New London in Waupaca County at 11:24 pm CST. The tornado was travelling at a rate of 60 to 70 mph. The tornado struck a church (figure 1 below), causing severe damage. A large portion of the roof collapsed, causing failure to two walls. A wall on the new portion of the church was pushed in. In addition, hundreds of trees were snapped or uprooted. Several homes along the path sustained damage, mainly from fallen trees. The average path width in Waupaca County was 100 yards with a maximum width of 175 yards. The tornado now an EF-1 entered Outagamie County at 11:25 pm CST a little over a mile southeast of New London, damaging or uprooting hundreds of trees along the path. Several homes in a two block area of Hortonville were damaged (roof and siding) by falling trees. The average path width was 100 yards with a maximum width of 175 in Outagamie County. The tornado traveled 13.1 miles before dissipating four tenths of a mile west southwest of Greenville.

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

Event 21: August 6, 2013

The third of six late night tornadoes to strike Northeast Wisconsin on this date, the (F/EF-1) 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 travelled 19.2 miles before dissipating 2.7 miles west of Morrison at 23:53 pm CST.

Event 22: August 6, 2013

The fourth of six late night tornadoes to strike Northeast Wisconsin on this date, the (F/EF-1) 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 tornado (EF-1) 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 (EF-1) 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 travelled 20.7 miles before dissipating a little over two and a half miles north northeast of Brillion around 11:52 pm CST.

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Event 23: August 6, 2013

The fifth of six late night tornadoes to strike Northeast Wisconsin on this date, the (F/EF-1) 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 EF-0 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 EF-1 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 travelled thirty-three miles across three counties before dissipating.

Event 24: June 10, 2016

An F/EF-0 tornado touched down at 6 pm 1.3 miles southwest of Mackville in Outagamie County. The tornado travelled nearly a mile and a half to the southeast before dissipating at 6:03 pm CST. The tornado was 25 yards wide. Damage was limited to broken tree branches and limbs with estimated peak winds of 55 to 60 mph. The tornado was photographed by a storm spotter.

Event 25: June 14, 2017

An F/EF-1 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 EF-0 tornado. In Outagamie County, the tornado uprooted or snapped several dozen trees, some of which fell on houses along its path across the southeast side of Appleton. Two large industrial buildings suffered damage on Appleton's east side. One building's large HVAC system was blown off its roof and another large building had several overhead doors blow in and lost portions of its roof and a wall. A self-service car wash lost its roof in Kimberly. In Little Chute, a building had an HVAC unit damaged and a couple of trees were knocked down. The tornado dissipated at 2:37 pm CST after crossing I-41 north of Kaukauna.

Event 26: June 14, 2017

An F/EF-0 tornado touched down nearly three miles south-southwest of Mackville in Outagamie County around 2:30 pm CST. The tornado caused minor damage to a house and ripped small limbs off trees. The tornado was 50 yards wide and travelled 2.8 miles before dissipating two miles southeast of Mackville around 2:34 pm CST.

Event 27: June 14, 2017

An F/EF-0 tornado touched down nearly three miles east-northeast of Bear Creek in Outagamie County around 2:31 pm CST. The tornado uprooted several trees in a saturated soil and broke off limbs to a dozen more trees. A metal barn roof was blown off and another barn collapsed. The tornado was 50 yards wide and travelled four miles before dissipating around 2:38 pm CST.

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Event 28: June 14, 2017

An F/EF-1 tornado touched down nearly two miles west of Nichols in Outagamie County (rated EF-0) 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 EF-1 tornado just south of Navarino. In Shawano County, a detached garage/outbuilding was swept off its foundation. Another garage/outbuilding collapsed with the walls falling outward. A stand of pines across the street had a 75 yard wide by 125 yard long area that were blown down and snapped in a convergent pattern. The tornado was 100 yards wide and travelled four miles before dissipating 1.2 west-northwest of Briarton around 2:45 pm CST.