

Storm Data and Unusual Weather Phenomena - June 2007

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WISCONSIN, Northeast				
MARATHON COUNTY				
CENTRAL WISCONSIN AR	06/07/07 14:45 CST		0	Thunderstorm Wind (MG 58 kt)
	06/07/07 14:45 CST		0	44.78N, 89.67W
MARATHON COUNTY				
1.4 W PEPLIN	06/07/07 15:01 CST		0.34M	Tornado (EF2, L: 7.30 mi , W: 225 yd)
0.9 N PIKE LAKE	06/07/07 15:14 CST		0	44.778N, 89.478W ~ 44.833N, 89.352W
<p>The first tornado of the outbreak formed 9.4 miles east of Mosinee at 4:01 PM CDT. The storm moved across eastern Marathon County where it heavily damaged 2 homes (DI 2, DOD 6), 1 mobile home (DI 4, DOD 9) and 10 barns; caused major damage to 1 home; did minor damage to 6 homes and 1 business; and snapped or uprooted many trees (DI 27, DOD 4). The tornado dissipated near Pike Lake at 4:14 PM CDT. The average path width of the tornado was 150 yards. The tornado was rated EF2 with estimated winds of 115 to 125 mph.</p>				
WOOD COUNTY				
WISCONSIN RAPIDS	06/07/07 15:17 CST		0	Hail (1.75 in)
	06/07/07 15:17 CST		0	44.38N, 89.82W
WOOD COUNTY				
PORT EDWARDS	06/07/07 15:23 CST		45M	Hail (5.50 in)
WISCONSIN RAPIDS	06/07/07 15:26 CST		0	44.33N, 89.85W ~ 44.38N, 89.82W
<p>A supercell thunderstorm produced baseball and softball size hail in Port Edwards and Wisconsin Rapids. A 5.5 inch diameter hailstone that fell at Port Edwards was the second largest hailstone ever measured in Wisconsin. (The record largest hailstone in Wisconsin is 5.7 inches in diameter, which fell in Wausau on May 22, 1921.) Approximately 6,000 house and business roofs sustained at least minor damage. Over 500 vehicles were also damaged. Nine schools in the area sustained damage of \$6.9 million alone. Total property damage was estimated at \$45 million.</p>				
WOOD COUNTY				
2.2 W WISC RPDS SOUTH CO A	06/07/07 15:26 CST		0	Tornado (EF0, L: 0.10 mi , W: 40 yd)
2.1 W WISC RPDS SOUTH CO A	06/07/07 15:26 CST		0	44.37N, 89.8741W ~ 44.37N, 89.8721W
<p>A tornado touched down briefly near Wisconsin Rapids. The brief tornado was seen by a storm chaser. The tornado was rated EF0. The same storm produced hail up to 5.5 inches in diameter in Wood Co.</p>				
SHAWANO COUNTY				
1.7 ENE MATTOON	06/07/07 15:31 CST		1K	Tornado (EF1, L: 0.90 mi , W: 300 yd)
2.7 ENE MATTOON	06/07/07 15:32 CST		0	45.009N, 88.997W ~ 45.017N, 88.981W
<p>The long-track tornado first touched down about 2 miles east of Mattoon at 4:31 PM CDT and slowly intensified as it quickly exited the county about 3 miles east-northeast of Mattoon and moved into Menominee Co. Several trees were knocked down and uprooted (DI 28, DOD 4). This segment of the tornado was rated EF1 with an average path width of 250 yards.</p>				
MENOMINEE (C) COUNTY				
4.0 W ZOAR SETTLEMENT	06/07/07 15:32 CST		2.70M	Tornado (EF2, L: 12.70 mi , W: 700 yd)
9.4 NE ZOAR SETTLEMENT	06/07/07 15:48 CST		0	45.017N, 88.981W ~ 45.117N, 88.766W
<p>The long-track tornado moved into Menominee Co. from Shawano Co. about 7.8 miles west-northwest of Neopit at 4:32 PM CDT. Three thousand acres of trees were snapped or uprooted, many in prime stands of maples, some 150 to 200 years old. The tornado exited Menominee Co. and moved into Langlade Co. at 4:48 PM CDT. The average path width of the tornado in Menominee Co. was 500 yards wide, and damage was rated EF2 in this segment, with estimated winds of 120 to 130 mph. (DI 27 DOD 4.)</p>				
PORTAGE COUNTY				
PLOVER	06/07/07 15:40 CST		0	Hail (1.75 in)
	06/07/07 15:40 CST		0	44.45N, 89.53W
PORTAGE COUNTY				
STEVENS PT	06/07/07 15:43 CST		0	Hail (1.75 in)
	06/07/07 15:43 CST	1	0	44.52N, 89.57W

Hail broke the windshield of a FedEx delivery truck. The driver of the truck was injured by flying glass.

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SHAWANO COUNTY				
MATTOON	06/07/07 15:43 CST		0	Thunderstorm Wind (EG 50 kt)
	06/07/07 15:43 CST		0	45N, 89.03W
A few trees were blown down by straight-line thunderstorm winds.				
LANGLADE COUNTY				
3.7 S WHITE LAKE	06/07/07 15:48 CST		2.20M	Tornado (EF3, L: 7.40 mi , W: 1000 yd)
3.5 NNE MARKTON	06/07/07 15:58 CST	1	0	45.117N, 88.766W ~ 45.176N, 88.639W
The long-track tornado moved from Menominee Co. into Langlade Co. about 3 miles south of White Lake at 4:48 PM CDT. Significant damage occurred as the tornado grew to just over one-half mile. The Bear Paw Outdoor Adventure Resort sustained severe damage with nearly every building (ten) damaged or destroyed, including a 3-story inn that was pushed over by the high winds. Only nine people were on site at the time of the tornado; hundreds were expected the next day for the upcoming weekend. One employee at the resort was injured, suffering minor cuts to the head. Hundreds of acres of trees were flattened, and nine homes sustained damage. The average width of the tornado was 700 yards as it moved across the county. The tornado was rated EF3 with winds estimated of 150 to 160 mph. The tornado exited Langlade Co., around 6 miles east-northeast of White Lake, and moved into Oconto Co. at 4:58 PM CDT. (DI 6, DOD 9; poorly anchored buildings.)				
LANGLADE COUNTY				
5.0 W LANGLADE	06/07/07 15:50 CST		0	Hail (3.00 in)
	06/07/07 15:50 CST		0	45.18N, 88.8325W
Hailstones one to three inches in diameter occurred with the tornadic thunderstorm.				
LANGLADE COUNTY				
WHITE LAKE	06/07/07 15:50 CST		0	Hail (1.75 in)
	06/07/07 15:50 CST		0	45.17N, 88.77W
LANGLADE COUNTY				
LANGLADE	06/07/07 15:55 CST		0	Hail (1.75 in)
	06/07/07 15:55 CST		0	45.18N, 88.73W
OCONTO COUNTY				
7.8 W MOUNTAIN	06/07/07 15:58 CST		10.50M	Tornado (EF2, L: 19.10 mi , W: 1320 yd)
9.5 ENE LAKEWOOD CTRY CLUB A	06/07/07 16:18 CST	2	0	45.176N, 88.639W ~ 45.328N, 88.309W
The long-track tornado moved from Langlade Co. into Oconto Co. about 8 miles west of Mountain at 4:58 PM CDT. The tornado reached a width of three-quarters of a mile wide as it flattened over 7000 acres of trees in the Chequamegon-Nicolet National Forest (DI 27, DOD4). The tornado destroyed or heavily damaged 12 homes (DI 4, DOD 11), with 14 others sustaining damage of varying degrees. Nearly all of the damaged homes were either manufactured homes or vacation cottages. Two people sustained minor injuries as they sought shelter in a bedroom of their home. The tornado dissipated about 10 miles east-northeast of Lakewood, near the Marinette County line, at 5:18 PM CDT. The tornado was rated EF2 in Langlade Co., with estimated winds of 125 to 135 mph, and an average path length of 1000 yards.				
SHAWANO COUNTY				
TILLEDA	06/07/07 16:17 CST		0	Thunderstorm Wind (EG 52 kt)
	06/07/07 16:17 CST		0	44.82N, 88.9W
A few trees were blown down in the area by straight-line thunderstorm winds.				
MARINETTE COUNTY				
15.5 WNW CRIVITZ	06/07/07 16:19 CST		2K	Thunderstorm Wind (EG 70 kt)
8.5 NW CRIVITZ	06/07/07 16:29 CST		0	45.3158N, 88.3142W ~ 45.3169N, 88.1435W
Numerous trees and a few houses sustained downburst damage near Tommy Thompson State Park and High Falls Reservoir from the same thunderstorm that produced the long-track tornado.				
SHAWANO COUNTY				
GRESHAM	06/07/07 16:22 CST		0	Hail (0.75 in)
	06/07/07 16:22 CST		0	44.85N, 88.78W
MARINETTE COUNTY				

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2.0 SE ATHELSTANE	06/07/07 16:25 CST		0	Hail (1.00 in)
	06/07/07 16:25 CST		0	45.4096N, 88.0709W

MARINETTE COUNTY

0.5 W CEDARVILLE	06/07/07 16:37 CST		12K	Tornado (EF1, L: 3.00 mi , W: 200 yd)
2.5 ENE CEDARVILLE	06/07/07 16:40 CST		0	45.45N, 87.99W ~ 45.465N, 87.932W

This tornado was produced by the same supercell thunderstorm that produced the long-track tornado. The tornado tore a significant portion of the roof from one home, snapped a few trees and uprooted numerous others, and pushed a manufactured home off its foundation and down an embankment (DI 3, DOD 6). The tornado was rated EF1 with estimated winds of 100 to 105 mph. Average path width was 100 yards.

WAUSHARA COUNTY

LOHRVILLE	06/07/07 16:52 CST		0	Thunderstorm Wind (EG 52 kt)
	06/07/07 16:52 CST		0	44.03N, 89.12W

Trees and power lines were blown down in the area.

WAUSHARA COUNTY

1.0 SSW POY SIPPI	06/07/07 16:54 CST		0	Hail (1.00 in)
	06/07/07 16:54 CST		0	44.1166N, 89.0077W

WINNEBAGO COUNTY

LAKE POYGAN	06/07/07 17:07 CST		0	Hail (1.00 in)
	06/07/07 17:07 CST		0	44.17N, 88.87W

WINNEBAGO COUNTY

4.0 NW WINCHESTER	06/07/07 17:15 CST		0	Thunderstorm Wind (EG 52 kt)
	06/07/07 17:15 CST		0	44.2409N, 88.7271W

Winds of at least 60 mph winds and pea size hail were reported by a storm spotter.

MARINETTE COUNTY

3.5 W HARMONY	06/07/07 17:16 CST		8K	Tornado (EF1, L: 3.60 mi , W: 200 yd)
1.2 N HARMONY	06/07/07 17:20 CST	1	0	45.099N, 87.892W ~ 45.117N, 87.823W

This tornado was the last one of the evening. The tornado touched down at 6:16 PM about 6 miles southwest of Porterfield, and was on the ground for about 4 minutes, dissipating 2.9 miles south-southwest of Porterfield. One person was injured by flying debris as they sought refuge in their home. The tornado flattened a barn (DI 1, DOD 7), tore a significant part of the sheet metal roof from an outbuilding, blew in the garage door and tore part of the roof deck over the garage from a home that was under construction (DI 2, DOD 4), did minor roof damage at a residence, and uprooted large trees. The tornado was rated EF1 with estimated winds of 90 to 100 mph. Average path width was 125 yards.

OUTAGAMIE COUNTY

(ATW)APPLETON ARPT	06/07/07 17:28 CST		0	Hail (1.00 in)
	06/07/07 17:28 CST		0	44.25N, 88.52W

In addition to the hail, a 44 mph thunderstorm wind gust was measured at the Outagamie County Airport.

FOREST COUNTY

10.0 ENE CARTER	06/07/07 20:13 CST		0	Thunderstorm Wind (EG 60 kt)
	06/07/07 20:13 CST		0	45.4353N, 88.4398W

Trees and power lines were downed by thunderstorm winds in southeast Forest County.

An unseasonably strong upper level storm system and deep surface low pressure (with central pressure as low as 979 mb) interacted with a cold front that moved from west to east across the area during the late afternoon and evening. A moist and unstable airmass ahead of the cold front provided the fuel to generate severe thunderstorms that included five tornadoes, near record-size hail and damaging winds. Thousands of homes sustained damage and about 15,000 customers lost power during the storms, some for almost 3 days as trees blocked roads and slowed repair work to power lines. Four people sustained minor injuries, and total damage from the storms exceeded \$60 million.

The first tornado of the outbreak moved across eastern Marathon County shortly after 4:00 PM CDT, producing damage to several homes. The tornado was rated EF2.

A second thunderstorm produced a weak tornado in Wood County, which was rated EF0. The same storm responsible for this tornado

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produced softball size hail that damaged thousands of homes, several businesses and hundreds of vehicles. One hailstone that fell in Port Edwards measured 5.50 inches in diameter, making it the second largest hailstone on record in Wisconsin.

The same supercell thunderstorm that produced the Marathon County tornado also produced a long-track tornado across northeast Shawano, northwest Menominee, southeast Langlade and northern Oconto counties. This tornado was on the ground for 47 minutes, covering 40.1 miles, and destroyed 14,400 acres of woodlands (timber loss was estimated at \$12.5 million) and dozens of buildings along its path. The twister, which was over one-half mile at times, was rated EF3, with peak winds estimated of 150 to 160 mph. The storm responsible for the tornado also produced significant straight-line wind damage as it moved into western Marinette County.

The fourth tornado of the outbreak, rated EF1, developed near Cedarville in Marinette Co., which was from the same thunderstorm that produced the long-track tornado.

The final tornado of the afternoon and evening touched down near Harmony in Marinette Co. This tornado was rated EF1.

Details of the tornadoes, hail, and wind damage can be found in the event narratives of the affected counties.