

## Storm Data and Unusual Weather Phenomena - August 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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### LAKE MICHIGAN

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**NORTH PT LT TO WIND PT WI COUNTY --- 3.5 SE NORTH POINT LTHOUSE [43.05, -87.88]**

08/08/09 09:15 CST		0		Marine Thunderstorm Wind (MG 38 kt)
08/08/09 09:15 CST		0		Source: C-MAN Station

A weakening complex of thunderstorms moved over the nearshore waters of Lake Michigan during the mid-morning hours on Saturday, August 8th. The thunderstorms developed earlier in the morning from a surge of warm, moist air into central Wisconsin along with with a developing warm front.

**WIND PT LT WI TO WINTHROP HBR IL COUNTY --- 1.2 ENE KENOSHA [42.59, -87.81]**

08/09/09 15:08 CST		0		Marine Thunderstorm Wind (MG 43 kt)
08/09/09 15:22 CST		0		Source: C-MAN Station

Strong thunderstorm moved over the nearshore waters of Kenosha producing wind gusts in excess of 34 knots for a 10-15 minute period.

**NORTH PT LT TO WIND PT WI COUNTY --- 3.5 SE NORTH POINT LTHOUSE [43.05, -87.88]**

08/09/09 15:15 CST		0		Marine Thunderstorm Wind (MG 38 kt)
08/09/09 15:21 CST		0		Source: C-MAN Station

Strong thunderstorm produced several minutes of strong wind gusts in excess of 34 knots over the nearshore waters of Milwaukee. Strongest gust to 38 knots occurred at 2020 CST.

**NORTH PT LT TO WIND PT WI COUNTY --- 3.5 SE NORTH POINT LTHOUSE [43.05, -87.88]**

08/09/09 16:24 CST		0.50K		Marine Thunderstorm Wind (MG 40 kt)
08/09/09 16:45 CST		0		Source: C-MAN Station

Strong thunderstorms moved over the nearshore waters of Milwaukee producing 20 minutes of gusts in excess of 34 knots. Strongest gust to 40 knots occurred at 1625 CST. The Racine County Sheriff Water Patrol picked up two people who were knocked off their Jet Ski by a large wave as the storm passed over Lake Michigan. Additionally, they towed in a boater whose sailboat suffered extensive damage to its jib due to the wind gusts about 1.5 nautical miles east of Wind Point.

**WIND PT LT WI TO WINTHROP HBR IL COUNTY --- 1.2 ENE KENOSHA [42.59, -87.81]**

08/09/09 16:50 CST		0		Marine Thunderstorm Wind (MG 34 kt)
08/09/09 16:50 CST		0		Source: C-MAN Station

Strong thunderstorms moved over the nearshore waters of Kenosha producing a wind gust of 34 knots.

Several waves of thunderstorms moved across portions of the nearshore waters of Lake Michigan during the afternoon and early evening of August 9th. These thunderstorms were caused by an approaching cold front across western Wisconsin into Iowa.

### WISCONSIN, Southeast

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**MILWAUKEE COUNTY --- STATE FAIR PARK [43.02, -88.01]**

08/08/09 08:10 CST		0		Thunderstorm Wind (EG 39 kt)
08/08/09 08:10 CST	1	0		Source: Newspaper

Wind gusts to around an estimated 39 knots (45 mph) affected the Wisconsin State Fair Park grounds in West Allis. One gust blew over scaffolding that holds up a banner over a ticket booth welcoming people to the fair. The toppled scaffolding injured a woman who was treated at a hospital. Milwaukee Mitchell Field had a measured wind gust of 38 knots (43 mph).

A cluster of sub-severe thunderstorms moved through the Milwaukee area during the mid-morning hours and produced sub-severe wind gusts. The thunderstorms developed in response to a surge of warm, moist air into central Wisconsin along with with a developing warm front.

**LAFAYETTE COUNTY --- 2.0 NE NEW DIGGING [42.55, -90.30], 3.0 SE SHULLSBURG [42.54, -90.19], 3.0 S SHULLSBURG [42.53, -90.23], 2.0 SE NEW DIGGING [42.51, -90.30]**

08/09/09 13:00 CST		20K		Flash Flood (due to Heavy Rain)
08/09/09 15:30 CST		50K		Source: Fire Department/Rescue

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The Shullsburg Fire Department and trained spotters reported fast-flowing water covered roads up to 1.5 feet deep. Also, gravel shoulders were washed out on a couple roads from the heavy rain in the area south and southwest of Shullsburg. There were also reports of small stream flooding as well as flooding of farm fields that damaged some crops.

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**GREEN COUNTY --- 1.0 NW MONROE [42.61, -89.64], 1.0 NE MONROE [42.61, -89.62], 1.0 SE MONROE [42.59, -89.62], 1.0 SW MONROE [42.59, -89.64]**

	08/09/09 13:15 CST		10K	Flash Flood (due to Heavy Rain)
	08/09/09 15:30 CST		0	Source: NWS Employee

A National Weather Service employee reported significant street flooding in the city of Monroe with water depths of 2 to 4 feet. Some water damage to basement contents was noted.

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**ROCK COUNTY --- EVANSVILLE [42.78, -89.30]**

	08/09/09 13:45 CST		0	Thunderstorm Wind (EG 65 kt)
	08/09/09 13:45 CST		0	Source: Law Enforcement

Damaging thunderstorm winds gusts blew trees down over roads in the city of Evansville.

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**ROCK COUNTY --- 2.0 NW DOWNTOWN JANESVILLE [42.70, -89.05], 2.0 NE DOWNTOWN JANESVILLE [42.70, -88.99], 2.0 SE DOWNTOWN JANESVILLE [42.66, -88.99], 2.0 SW DOWNTOWN JANESVILLE [42.66, -89.05]**

	08/09/09 14:00 CST		30K	Flash Flood (due to Heavy Rain)
	08/09/09 16:00 CST		0	Source: Emergency Manager

Heavy rain caused significant street flooding and basement flooding in the city of Janesville. Fast-flowing water depths of 1 to 3 feet were noted on some roads and water damage to basement contents was noted.

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**ROCK COUNTY --- MILTON [42.77, -88.95], 4.0 NNW JOHNSTOWN CENTER [42.75, -88.86]**

	08/09/09 14:05 CST		0	Thunderstorm Wind (EG 65 kt)
	08/09/09 14:15 CST		0	Source: Law Enforcement

Damaging thunderstorm wind gusts blew trees down over area roadways between Milton and Johnstown Center.

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**IOWA COUNTY --- HIGHLAND [43.05, -90.38]**

	08/09/09 14:13 CST		0	Thunderstorm Wind (EG 65 kt)
	08/09/09 14:13 CST		0	Source: Law Enforcement

Law enforcement reported a number of trees blown down by strong thunderstorm wind gusts in and around the village of Highland.

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**WALWORTH COUNTY --- LAKE GENEVA [42.60, -88.43]**

	08/09/09 14:30 CST		15K	Thunderstorm Wind (EG 65 kt)
	08/09/09 14:30 CST		0	Source: Public

Numerous public reports were made of trees blown down and power lines down in the city of Lake Geneva.

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**WALWORTH COUNTY --- 2.0 E EAST TROY [42.78, -88.36], HONEY CREEK [42.75, -88.32]**

	08/09/09 14:32 CST		0	Thunderstorm Wind (EG 57 kt)
	08/09/09 14:41 CST		0	Source: Trained Spotter

Tree damage from near Beulah Station (east of city of East Troy) to Honey Creek was noted by a trained spotter. Based on the size of the limbs and trees blown down they estimated winds in excess of 52 knots (60 mph).

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**LAFAYETTE COUNTY --- CALAMINE [42.73, -90.17]**

	08/09/09 14:40 CST		0	Thunderstorm Wind (EG 65 kt)
	08/09/09 14:40 CST		0	Source: Law Enforcement

Law enforcement reported trees blown down and blocking roads around Calamine in the civil township of Willow Springs, north of the city of Darlington.

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**RACINE COUNTY --- 2.0 W WATERFORD [42.77, -88.26], DOWNTOWN RACINE [42.72, -87.80]**

	08/09/09 14:45 CST		0.20M	Thunderstorm Wind (EG 75 kt)
	08/09/09 15:10 CST		15K	Source: Law Enforcement

## Storm Data and Unusual Weather Phenomena - August 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>Numerous trees and power lines were blown down in a 10-mile damage swath from just west of Waterford to the city of Racine. The FAA Terminal Doppler radar located in north-central Racine County about 5 miles east of the village of Wind Lake showed 85 knot winds at 250 feet above ground level. In Waterford a large tree fell on and damaged a business building. On the north side of Racine two power-poles came down. Several homes in the swath lost varying amounts of roof shingles. There were several reports of tree debris damaging home siding or portions of a roof. Piers and docks were lifted and twisted and damaged on Wind Lake. About 3.5 miles southwest of the City of Racine a camper was lifted by the wind gusts and slammed into a car. A large section of a corn field near Caledonia was flattened by the winds.</p>				

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### RACINE COUNTY --- BURLINGTON [42.67, -88.27]

08/09/09 14:50 CST	15K	Thunderstorm Wind (EG 61 kt)
08/09/09 14:50 CST	0	Source: Law Enforcement

Powerful thunderstorm winds toppled many large trees in the city of Burlington. One tree had a vary large branch snap off and fall onto a car, curshing it in the process. Tree debris brought down several power-lines.

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### RACINE COUNTY --- WATERFORD [42.77, -88.22]

08/09/09 14:50 CST	20K	Lightning
08/09/09 14:50 CST	0	Source: Law Enforcement

Lightning struck a business building and damaged all inside electronic equipment.

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### WAUKESHA COUNTY --- 2.0 SE MUSKEGO [42.88, -88.10]

08/09/09 14:50 CST	10K	Thunderstorm Wind (EG 61 kt)
08/09/09 14:50 CST	0	Source: Broadcast Media

Powerful thunderstorm wind gusts toppled large trees and generated tree debris that brought down some power lines.

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### IOWA COUNTY --- 5.0 W BLANCHARDVILLE [42.82, -89.97], 0.3 E BLANCHARDVILLE [42.82, -89.86]

08/09/09 14:55 CST	50K	Thunderstorm Wind (EG 65 kt)
08/09/09 15:07 CST	0	Source: Law Enforcement

A swath of thunderstorm wind damage occurred over southeast Iowa County. This swath extended into northeastern Lafayette County and east/southeast into the counties of Dane and Green. Overall the swath was about 15 miles wide. Numerous large trees were uprooted or large branches broken. Tree debris brought down some power-lines. Some roof shingles were blown off the roofs of a couple homes.

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### LAFAYETTE COUNTY --- 3.5 NE YELLOWSTONE LAKE STATE PARK [42.81, -89.92], 7.0 N ARGYLE [42.80, -89.87]

08/09/09 14:55 CST	50K	Thunderstorm Wind (EG 65 kt)
08/09/09 15:07 CST	0	Source: Law Enforcement

Law enforcement reported numerous trees and power lines down in a 3-mile wide swath over northeastern Lafayette County. The damage swath extended north into Iowa County and east-northeast into the counties of Green and Dane. Roof damage was also reported on several homes. Outside of the city of Blanchardville, a barn was blown down.

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### GREEN COUNTY --- 5.0 SW MONROE [42.55, -89.70], BRODHEAD [42.62, -89.37]

08/09/09 15:05 CST	15K	Thunderstorm Wind (EG 65 kt)
08/09/09 15:30 CST	0	Source: Law Enforcement

Police reported numerous trees and power lines blown down in a 10-mile wide swath. This was a separate thunderstorm cluster from the one that caused the damage near New Glarus.

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### KENOSHA COUNTY --- 3.0 W DOWNTOWN KENOSHA [42.58, -87.89], 0.5 NE DOWNTOWN KENOSHA [42.59, -87.82]

08/09/09 15:05 CST	30K	Thunderstorm Wind (EG 65 kt)
08/09/09 15:20 CST	0	Source: Emergency Manager

Thunderstorm winds left a 3-mile wide swath of damage through the City of Kenosha. Numerous trees were uprooted and tree debris knocked down several power-lines. Construction arricades and signs were blown around, and one stop sign was pushed over.

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### MILWAUKEE COUNTY --- OAK CREEK [42.87, -87.87]

08/09/09 15:05 CST	15K	Thunderstorm Wind (EG 60 kt)
08/09/09 15:05 CST	0	Source: Law Enforcement

Numerous trees and power lines were blown down by thunderstorm wind gusts that were estimated at 61 knots (70 mph). This was from the same line of thunderstorms that moved through northern Racine County.

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<b>DANE COUNTY --- 3.0 S DALEYVILLE [42.88, -89.82]</b>				
	08/09/09 15:07 CST		10K	Thunderstorm Wind (EG 65 kt)
	08/09/09 15:10 CST		0	Source: Emergency Manager
Emergency Management reported large trees and power lines down in extreme southwestern Dane County, south of Daleyville, along Drammen Valey Rd. This damage was an extension of a damage swath that extended west into Iowa County and south-southwest into northwestern Green County and northeastern Lafayette County.				
<b>GREEN COUNTY --- 4.0 W POSTVILLE [42.80, -89.83], 5.0 W NEW GLARUS [42.82, -89.73]</b>				
	08/09/09 15:07 CST		0	Thunderstorm Wind (EG 65 kt)
	08/09/09 15:13 CST		0	Source: Law Enforcement
Damage to trees and power lines was reported in a 6 mile wide swath from the Iowa County border to 5 miles west of New Glarus. This was a continuation of the line of thunderstorms that produced damage in southeast Iowa County. The length of the entire damage swath totaled about 10 miles.				
<b>DANE COUNTY --- DANE [43.25, -89.50]</b>				
	08/09/09 15:30 CST		0	Thunderstorm Wind (EG 56 kt)
	08/09/09 15:30 CST		0	Source: Trained Spotter
Large trees uprooted and large limbs were knocked out of trees by powerful gusts with heavy rains.				
<b>ROCK COUNTY --- ORFORDVILLE [42.63, -89.25]</b>				
	08/09/09 15:30 CST		10K	Thunderstorm Wind (EG 65 kt)
	08/09/09 15:30 CST		0	Source: Trained Spotter
A trained spotter reported toppled large trees and and power lines down in the village of Orfordville due to thunderstorm winds.				
<b>ROCK COUNTY --- MILTON [42.77, -88.95], JANESVILLE AIRPORT [42.62, -89.04]</b>				
	08/09/09 15:45 CST		0.15M	Thunderstorm Wind (MG 68 kt)
	08/09/09 15:55 CST		0	Source: Law Enforcement
Police reported numerous trees and power lines down between Milton and Janesville. Roof damage was reported in Janesville from the thunderstorm wind gusts, and several homes were damaged by tree debris. One home had some windows blown out. Barn damage was noted in the countryside around Janesville. A 68 knot (78 mph) wind gust was recorded at the Janesville Airport (KJVL).				
<b>WALWORTH COUNTY --- 2.0 SE DELAVAN [42.61, -88.60], LAKE GENEVA [42.60, -88.43]</b>				
	08/09/09 16:01 CST		25K	Thunderstorm Wind (MG 64 kt)
	08/09/09 16:04 CST		0	Source: Amateur Radio
Numerous trees and power lines were blown down by thunderstorm wind gusts. The gusts were measured to 74 mph, with sustained winds of 59 mph, on weather equipment owned by a ham radio operator near Delavan. A television meteorologist estimated wind gusts in Lake Geneva of 52 knots.				
<b>WAUKESHA COUNTY --- EAGLE [42.88, -88.47]</b>				
	08/09/09 16:04 CST		0	Thunderstorm Wind (EG 56 kt)
	08/09/09 16:04 CST		0	Source: Law Enforcement
Police reported trees down in the village of Eagle with estimated wind gusts of 56 knots (65 mph).				
<b>WAUKESHA COUNTY --- 2.0 SE DOWNTOWN WAUKESHA [43.00, -88.19]</b>				
	08/09/09 16:14 CST		0	Thunderstorm Wind (EG 52 kt)
	08/09/09 16:14 CST		0	Source: Trained Spotter
Trees were reported to be blown down by thunderstorm wind gusts on the southeast side of the city of Waukesha by a trained spotter.				
<b>MILWAUKEE COUNTY --- WAUWATOSA [43.05, -87.95]</b>				
	08/09/09 16:55 CST		0	Thunderstorm Wind (EG 56 kt)
	08/09/09 16:55 CST		0	Source: Law Enforcement
Large trees were either uprooted or split by powerful thunderstorm wind gusts.				
<b>WAUKESHA COUNTY --- NEW BERLIN [42.98, -88.12]</b>				

## Storm Data and Unusual Weather Phenomena - August 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	08/09/09 23:30 CST		50K	Lightning
	08/09/09 23:30 CST		0	Source: Law Enforcement

Lightning struck a home and started a fire that resulted in a fair amount of damage.

Three rounds of thunderstorms produced wind damage and flash flooding during the afternoon, evening, and overnight hours of August 9th. The thunderstorms developed as a cold front trailing from low pressure over northeast Wisconsin moved into a hot, humid and unstable air mass in place over southern Wisconsin. Temperatures warmed to 85 and 90 degrees, with dew-points in the 70s. Strong unidirectional vertical wind shear produced bowing line segments that caused damaging wind gusts. The thunderstorms produced heavy rainfall as precipitable water values reached 1.8 to 2 inches. All together, in just southeast Wisconsin, at least 28,000 customers lost electrical power. It was reported that 140 power-lines came down due to tree debris, and at least a dozen or two utility poles snapped.

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### WASHINGTON COUNTY --- RICHFIELD [43.25, -88.20]

08/25/09 17:23 CST	30K	Lightning
08/25/09 17:23 CST	0	Source: Newspaper

Lightning struck a home's chimney and started a fire in the attic and roof area.

Scattered thunderstorms along and ahead of a cold front passing through the Wisconsin area resulted in at least one lightning strike with damage.