

## Storm Data and Unusual Weather Phenomena - September 2009

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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### WISCONSIN, Southeast

(WI-Z051) FOND DU LAC, (WI-Z058) DODGE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA

09/04/09 01:00 CST	0	Dense Fog
09/04/09 06:30 CST	0	

The combination of high pressure over the Great Lakes Region, clear skies, light winds, and a moist layer of air near the ground allowed for the formation of dense fog overnight. Visibilities were reduced to 1/8 to 1/4 mile. Some airplane flights were delayed. Newspapers noted a few vehicle accidents. One occurred in Dodge County at the intersection of STH 60 and CTH DJ/J, about 3 miles east-northeast of Clyman. In this accident, a vehicle didn't stop at the intersection during the dense fog and struck the side of a semitrailer, resulting in the death of the vehicle's driver, a 47-year-old man (indirect death). Law enforcement officials indicated that the dense fog was probably a factor (but did not directly kill or impact the driver).

(WI-Z052) SHEBOYGAN, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z063) DANE, (WI-Z064) JEFFERSON, (WI-Z065) WAUKESHA, (WI-Z068) GREEN, (WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA

09/10/09 23:00 CST	0	Dense Fog
09/11/09 08:00 CST	0	

The combination of high pressure over the Great Lakes Region, light winds, clear skies, and a moist layer of air near the ground allowed for the development of dense fog overnight. Newspaper articles indicated that there were a few vehicle accidents, and there were some delays in aircraft departures at some airports. Visibilities were reduced to 1/8 to 1/4 mile.

(WI-Z069) ROCK, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA

09/12/09 02:00 CST	0	Dense Fog
09/12/09 07:00 CST	0	

The combination of high pressure over the Great Lakes Region, light winds, clear skies, and a moist layer of air near the ground allowed for the development of dense fog overnight. Newspaper articles indicated that there were a few vehicle accidents, and there were some delays in aircraft departures at some airports. Visibilities were reduced to 1/8 to 1/4 mile.

(WI-Z056) SAUK, (WI-Z062) IOWA, (WI-Z063) DANE, (WI-Z065) WAUKESHA, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA

09/12/09 20:00 CST	0	Dense Fog
09/13/09 07:00 CST	0	

The combination of high pressure over the Great Lakes Region, light winds, clear skies, and a moist layer of air that moved west from Lake Michigan allowed for the development of dense fog overnight over the southeast corner of Wisconsin and the area from around Madison west-northwest to the Wisconsin River Valley. Visibilities were reduced to 1/8 to 1/4 mile. In between the two highlighted areas, visibilities dropped to only 1/2 to 2 miles, or only briefly dropped to 1/4 mile. Newspaper articles indicated that there were a few vehicle accidents, and there were some delays in aircraft departures at some airports.

WAUKESHA COUNTY --- 2.0 ESE DELAFIELD [43.06, -88.36]

09/27/09 20:02 CST	0	Thunderstorm Wind (EG 56 kt)
09/27/09 20:02 CST	0	Source: NWS Employee

Powerful thunderstorm wind gusts toppled a few large trees and sheared off a couple pine trees.

WAUKESHA COUNTY --- 4.0 N DOWNTOWN WAUKESHA [43.08, -88.22]

09/27/09 20:09 CST	0	Hail (1.00 in)
09/27/09 20:09 CST	0	Source: Amateur Radio

Isolated severe storms with large hail and/or winds affected parts of Waukesha County in southeast Wisconsin. These severe storms were associated with the 2nd of two lines of storms generated by a strong cold front moving west across southern Wisconsin. Many of the other storms in both lines produced sub-severe wind gusts of 39 to 43 knots (45 to 50 mph) and pea-size hail. The ground was covered white with pea-size hail in Middleton, Dane County.

(WI-Z051) FOND DU LAC, (WI-Z052) SHEBOYGAN, (WI-Z056) SAUK, (WI-Z059) WASHINGTON, (WI-Z060) OZAUKEE, (WI-Z062) IOWA, (WI-Z065) WAUKESHA, (WI-Z066) MILWAUKEE, (WI-Z070) WALWORTH, (WI-Z071) RACINE, (WI-Z072) KENOSHA

09/27/09 21:00 CST	55K	Strong Wind (MAX 43 kt)
09/28/09 18:00 CST	0	

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Widespread, gradient, strong, northwest winds in the wake of a cold front affected south-central and southeast Wisconsin for about a 21-hour period. The associated deep low pressure moved east across Ontario, Canada. Maximum gusts were in the 39 to 43 knot range (45 to 50 mph) in the Fond du Lac and Sheboygan area south to the Illinois border and in Sauk and Iowa counties. Elsewhere in south-central and southeast Wisconsin maximum wind gusts were in the 35 to 44 mph range while sustained winds were below 26 knots (30 mph). At least eight ASOS or AWOS reporting sites in this strong wind event had sustained wind speeds of 26 to 32 knots (30 to 37 mph) for one hour or more. Severe weather spotter reports and newspaper accounts indicated that scattered power-outages occurred in most of the affected counties due to broken tree branches falling on power-lines. Additionally, some large trees in Fond du Lac County were pushed over. However, a good estimation of damage losses was not possible with this event, therefore a nominal \$5000 loss estimate (power-lines) was assigned to each county in this strong wind event. One concentrated area of power-outages stretched from the City of Waukesha and Delafield area on up into southern Washington County. Tree debris knocked a telephone line onto Interstate-94 just south of Delafield near CTH C at about 2020 CST September 27th. This resulted in the closure of the freeway for about 90 minutes. Along the Lake Michigan shoreline from Sheboygan south to the Illinois border, wind gusts of 31 to 36 knots were reported (36 to 45 mph). However, a Marine Strong Wind event was not logged in this issue of Storm Data for September, 2009, since there were no injuries, fatalities, or damage associated with these gusts.