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Public Information Statement

National Weather Service Chicago IL

236 PM CST Fri Nov 13 2020 /336 PM EST Fri Nov 13 2020/

...NWS DAMAGE ASSESSMENT FOR THE 11/10/2020 SEVERE WEATHER EVENT

.OVERVIEW...

On November 10, 2020, a line of severe thunderstorms moved through northern Illinois and northwest Indiana with damaging winds in excess of 60 mph. Embedded in the line were several pockets of winds estimated between 70 and 85 mph that brought significant damage. Numerous trees and farm buildings were damaged near Mount Morris, IL, in and around Winnebago and Rockford, IL, and across northern Boone and McHenry counties in Illinois near the Wisconsin state line. Additionally, at least two brief EF-0 tornadoes with peak winds of 80 mph were produced by the line, the first in rural DeKalb County, IL and the second near Lily Lake, IL. Finally, the line of thunderstorms produced hail larger than one inch in diameter in and around the Rockford area.

.MOUNT MORRIS TO WINNEBAGO STRAIGHT-LINE WINDS...

Estimated peak wind: 85 mph  
Fatalities: 0  
Injuries: 0

Start date: 11/10/2020  
Start time: 3:15 PM CST  
Start location: 2 SW Mount Morris

End date: 11/10/2020  
End time: 3:40 PM CST  
End location: 6 NNE Winnebago

Strong straight-line winds of 70 to 85 mph occurred in a corridor stretching roughly from Mount Morris to just northwest of Rockford. The swath of wind damage started southwest of Mount Morris, where dozens of trees were damaged or downed and a photo showed a large chunk of wood from one tree impaled through another tree. Further northeast in Ogle County, several trees and power lines were downed north of Byron. In Winnebago County, extensive damage occurred to trees, signs, and roofs in the village of Winnebago, and a grain silo and barn collapsed northeast of there, killing two cattle. Additional wind damage was reported farther to the northeast, but wasn't as significant as the damage seen to the southwest.

.RURAL BOONE COUNTY AND RURAL MCHENRY COUNTY STRAIGHT-LINE WINDS...

Estimated peak wind: 80 mph  
Fatalities: 0  
Injuries: 0

Start date: 11/10/2020  
Start time: 4:00 PM CST  
Start location: 4 N Capron

End date: 11/10/2020  
End time: 4:04 PM CST  
End location: 4 NW Harvard

Strong straight-line winds of 70 to 80 mph occurred in rural northern Boone County and the far northwest corner of McHenry County. In addition to downing several trees and power lines, strong winds compromised several barns and outbuildings, leading to their doors and/or roofs being blown off, and in a few cases, causing the structures to be blown off their foundations and/or collapse. Wind damage continued across the state line into Wisconsin.

.RURAL DEKALB COUNTY EF-0 TORNADO...

Rating: EF-0  
Estimated peak wind: 80 mph  
Path length /Statute/: 9.8 miles  
Path width /Maximum/: 50 yards  
Fatalities: 0  
Injuries: 0  
  
Start date: 11/10/2020  
Start time: 4:19 PM CST  
Start location: 4.5 NW Somonauk

End date: 11/10/2020  
End time: 4:31 PM CST  
End location: 1 E Hinckley

Based on a radar-indicated tornado debris signature and information provided by DeKalb County emergency management officials, an EF-0 tornado with peak winds of 80 mph, path length of around 10 miles, and max width of 50 yards touched down near Route 23 northwest of the town of Somonauk and traveled northeast mainly through farm fields. A grain silo was damaged near the intersection of Somonauk and Bastian roads, and damage to trees and powerlines was observed along the path of the tornado. The tornado appeared to end near Route 30 just southeast of Hinckley. It is possible that the tornado continued northeast toward Kaneville where additional downed power lines were reported, but a lack of a more robust radar signature and additional damage reports precluded an extension of the tornado path northeastward or the addition of a second tornado altogether.

.LILY LAKE EF-0 Tornado...

Rating: EF-0  
Estimated peak wind: 80 mph  
Path length /Statute/: 4 miles  
Path width /Maximum/: 50 yards  
Fatalities: 0  
Injuries: 0  
  
Start date: 11/10/2020  
Start time: 4:39 PM CST  
Start location: 3 NW Elburn

End date: 11/10/2020

End time: 4:42 PM CST  
End location: 3 N Elburn

Based on information gathered on social media, from emergency management officials, as well as an analysis of radar data, an EF-0 tornado touched down near Francis Road northwest of Elburn and damaged nearby trees and the roof of an outbuilding. The tornado continued northeast and crossed Route 47 south of Route 64, based on an eyewitness report. After crossing Route 64, the tornado damaged trees on Hanson Road. The tornado is thought to have lifted soon thereafter based on a lack of downstream reports of damage. Radar data was supportive of a weak tornado based on a compact rotational couplet and small reductions in correlation coefficient values (an indication of lofted small debris pieces).

EF Scale: The Enhanced Fujita Scale Classifies Tornadoes into the following categories.

EF0...Weak.....65 to 85 mph  
EF1...Weak.....86 to 110 mph  
EF2...Strong....111 to 135 mph  
EF3...Strong....136 to 165 mph  
EF4...Violent...166 To 200 mph  
EF5...Violent...>200 mph

NOTE:

The information in this statement is PRELIMINARY and subject to change pending final review of the event and publication in NWS Storm Data.

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NWS Chicago