

# **...NWS DAMAGE SURVEY FOR 04/27/14 STORM EVENT – UPDATE 800 PM...**

## **...TORNADO DAMAGE FOUND IN NORTHEAST WAPELLO COUNTY...**

.TORNADO #1...

RATING: EF-1  
ESTIMATED PEAK WIND: 108 MPH  
PATH LENGTH: 3.19 MILES  
PATH WIDTH: 150 YARDS  
FATALITIES: NONE  
INJURIES: NONE

START DATE: 04/27/2014  
START TIME: 320 PM CDT  
START LOCATION: 3.45 MILES EAST OF HIGHLAND CENTER OR ABOUT 7.5 MILES EAST OF THE  
OTTUMWA AIRPORT.  
START LAT/LON: 41.120349/-92.306450

END DATE: 04/27/2014  
END TIME: 324 PM CDT  
END LOCATION: ABOUT 4.75 MILES NORTHEAST OF HIGHLAND CENTER OR ABOUT 9.75 MILES  
NORTHEAST OF THE OTTUMWA AIRPORT THE TORNADO CONTINUED INTO  
KEOKUK COUNTY.  
END LAT/LON: 41.162281/-92.279554

SURVEY SUMMARY: NWS STORM SURVEY TEAMS FROM BOTH DAVENPORT AND DES MOINES DETERMINED THAT A TORNADO DEVELOPED IN FAR NORTHERN WAPELLO COUNTY. THIS LONG TRACK TORNADO STARTED EAST OF THE HAMLET OF HIGHLAND CENTER AND TRAVELED VERY QUICKLY. THE CIRCULATION WAS INITIALLY VERY BROAD AND BEGAN TO TIGHTEN AS IT PROGRESSED TO THE NORTHEAST. INITIAL DAMAGE INCLUDED A DESTROYED CHICKEN BARN AND TWO SNAPPED POWER POLES. ABOUT 2 MILES NORTHEAST OF THE INITIAL DAMAGE...LARGE UTILITY POLES WERE FOUND LEANING AND THIS IS WHERE THE HIGHEST ESTIMATED WIND SPEEDS OF 108 MPH WERE DETERMINED. THE TORNADO PRODUCE LITTLE ADDITIONAL DAMAGE BEFORE EXITING WAPELLO COUNTY AND CONTINUING FOR AN ADDITIONAL 44 MILES. DETAILS OF THE TRACK BEYOND WAPELLO COUNTY CAN BE FOUND IN A PUBLIC INFORMATION STATEMENT RELEASED BY THE DAVENPORT OFFICE.

## **...OSKALOOSA STRAIGHT-LINE WIND DAMAGE...**

.THUNDERSTORM WIND #1...

PEAK WIND: 70 TO 80 MPH  
FATALITIES: NONE  
INJURIES: NONE  
DATE: 04/27/2014  
TIME: 320 PM CDT  
LOCATION: OSKALOOSA IOWA

SURVEY SUMMARY: MULTIPLE LARGE TREES SNAPPED OR BLOWN OVER THROUGHOUT THE TOWN OF OSKALOOSA. TREES WERE ORIENTED NORTH TO NORTHEAST.

.THUNDERSTORM WIND #2...

PEAK WIND: 70 TO 80 MPH  
FATALITIES: NONE  
INJURIES: NONE  
DATE: 04/27/2014  
TIME: 320 PM CDT  
LOCATION: OSKALOOSA IOWA  
LAT/LON 41.2999/-92.6308

SURVEY SUMMARY: ENTIRE DECK REMOVED AND BLOWN OFF MAHASKA COUNTY HOSPITAL AND WAS BLOWN TO THE NORTH OF THE BUILDING. THE DESIGN OF THE BUILDING WAS SUSCEPTIBLE WIND DAMAGE AND ALLOWED FOR THE WIND TO PEEL OFF THE ROOF.

## **...BEACON/LOVILIA STRAIGHT-LINE WIND DAMAGE...**

.THUNDERSTORM WIND #3...

PEAK WIND: 75 MPH  
FATALITIES: NONE  
INJURIES: NONE  
DATE: 04/27/2014  
TIME: 312 PM CDT  
LOCATION: BEACON IOWA  
LAT/LON: 41.2717/-93.6809

SURVEY SUMMARY: SEVERAL MOBILE HOMES AND A FEW OUTBUILDINGS SUSTAINED SLIGHTLY HIGHER DAMAGE IN A NARROW PATH ON THE SOUTH SIDE OF BEACON. ALL DEBRIS WAS DISPLACED NORTHEAST...INDICATING STRAIGHT-LINE WIND DAMAGE. ONE OUTBUILDING WAS BLOWN OVER...BUT SURROUNDING BUILDINGS SUSTAINED MINOR DAMAGE. SURVEY TEAM SUSPECTS DOOR WAS OPEN TO BUILDING...ALLOWING THE WIND TO EASILY ENTER THE BUILDING AND THUS CAUSING MORE SIGNIFICANT DAMAGE THAN THE OTHERS SURROUNDING IT. THE MOBILE HOME DAMAGE...THE DEGREE OF DAMAGE WAS MAINLY SHINGLES OR PARTIAL UPLIFT OF ONE-PIECE METAL ROOFING.

.THUNDERSTORM WIND #4...

PEAK WIND: 60 TO 70 MPH  
FATALITIES: NONE  
INJURIES: NONE  
DATE: 4/27/2014  
TIME: 312 PM CDT  
LOCATION: BEACON IOWA  
LAT/LON: 41.2770/-92.6795

SURVEY SUMMARY: WIDESPREAD TREE DAMAGE OCCURRED THROUGHOUT THE TOWN OF BEACON. TREES WERE DISPLACED EAST NORTHEAST. THE LAT/LON PROVIDED IS ON THE NORTH-SIDE OF BEACON.

.THUNDERSTORM WIND #5...

PEAK WIND: 60 TO 65 MPH  
FATALITIES: NONE  
INJURIES: NONE  
DATE: 4/27/2014  
TIME: 300 PM CDT  
LOCATION: LOVILIA IOWA  
LAT/LON: 41.1287/-92.9066

SURVEY SUMMARY: WIDESPREAD TREE DAMAGE OCCURRED IN THE TOWN OF LOVILIA. TREES WERE DISPLACED NORTHEAST. THERE WERE PREVIOUS REPORTS OF A TORNADO IN LOVILIA...HOWEVER THE NWS DAMAGE SURVEY TEAM CONFIRMED THE DAMAGE WAS DUE TO STRAIGHT-LINE WINDS AS THERE WAS NO INDICATION OF TORNADO DAMAGE.

## ...APPANOOSE COUNTY...

.THUNDERSTORM WIND #6...

PEAK WIND: 65 TO 70 MPH  
FATALITIES: NONE  
INJURIES: NONE  
DATE: 4/27/2014  
TIME: 235 PM CDT  
LOCATION: CINCINNATI  
LAT/LON: 40.6258/-92.8869

SURVEY SUMMARY: ESTIMATED WINDS OF 65 TO 70 MPH IN CINCINNATI. ALL STORM DAMAGE WAS ORIENTED NORTHEAST INDICATING STRAIGHT-LINE WIND DAMAGE. ALSO HAD AN EYE WITNESS REPORT OF STRAIGHT-LINE WINDS. LOCATION OF LAT/LON IS OF AN OUTBUILDING BLOWN APART AND CAUSED DAMAGE TO HOUSE AND VEHICLES. OTHER AREAS...MAINLY TREE DAMAGE AND MINOR SIDING DAMAGE TO HOMES IN CINCINNATI. TIME ESTIMATED BY RADAR.

.THUNDERSTORM WIND #7...

PEAK WIND: 70 MPH  
FATALITIES: NONE  
INJURIES: NONE  
DATE: 4/27/2014  
TIME: 242 PM CDT  
LOCATION: EXLINE  
LAT/LON: 40.6527/-92.8618

SURVEY SUMMARY: ROOFS OF TWO OUTBUILDINGS AND BLOWN OFF 100 YARDS NORTHWARD ACROSS THE ROAD. INSULATION THROWN INTO TREES. NO OTHER DAMAGE NEAR THE AREA. TIME ESTIMATED BY RADAR.

.THUNDERSTORM WIND #8...

PEAK WIND: 70 MPH  
FATALITIES: NONE  
INJURIES: NONE  
DATE: 4/27/2014  
TIME: 247 PM CDT  
LOCATION: CENTERVILLE  
LAT/LON: 40.6949/-92.8678

SURVEY SUMMARY: TWO OPEN CAR PORTS WERE LIFTED AND DESTROYED AND BLOWN ABOUT 200 TO 400 YARDS NORTHEAST. TIME ESTIMATED BY RADAR.

.THUNDERSTORM WIND #9...

PEAK WIND: 75 MPH

FATALITIES: NONE

INJURIES: 1

DATE: 4/27/2014

TIME: 310 PM CDT

LOCATION: UDELL

LAT/LON: 40.7759/-92.7779

SURVEY SUMMARY: THREE OUTBUILDINGS LOST MOST OR ALL OF THEIR ROOFS AND WAS BLOWN INTO THE ADJACENT HOUSE. SOME DEBRIS WAS LODGE INTO THE HOUSE AT A NORTHWEST ANGLE.

ANOTHER MOBILE HOME HAD ITS ROOF BLOWN OFF TO THE NORTHEAST IN THE TOWN OF UDELL.

HOWEVER NO CONCRETE EVIDENCE TO INDICATE A TORNADO HAD OCCURRED SINCE THE MAJORITY OF THE DAMAGE WAS ORIENTED NORTHEAST...THUS THE NWS SURVEY TEAM CONCLUDED THAT STRAIGHT-LINE DAMAGE OCCURRED.