

PUBLIC INFORMATION STATEMENT
NATIONAL WEATHER SERVICE DULUTH MN
802 PM CDT FRI AUG 30 2013

...EF-1 TORNADO CONFIRMED IN NORTHEASTERN CASS AND NORTHWESTERN
AITKIN COUNTY...

THIS INFORMATION IS PRELIMINARY AND SUBJECT TO CHANGE BEFORE FINAL
ENTRY INTO STORM DATA.

EVENT DATE: AUGUST 29 2013
EVENT TIME: 628 PM - 655 PM CDT
EVENT TYPE: TORNADO
EF RATING: EF-1
EST. PEAK WINDS: 90-100 MPH
START LOCATION: 1.7 MI NNW REMER (LAT 47.079, LON -93.928)
END LOCATION: 5.0 WSW HILL CITY (LAT 47.982, LON -93.702)
PATH LENGTH: 12.8 MILES
MAX PATH WIDTH: APPROXIMATELY 300 YARDS

DAMAGE DESCRIPTION:

SPORADIC TREE DAMAGE...INCLUDING SOME BROKEN BIRCH AND EVERGREEN
TREES...WAS OBSERVED ALONG THE ENTIRE PATH OF THE PARENT
STORM...BEGINNING NEAR THE NORTHERN END OF LEECH LAKE NORTHWEST
OF FEDERAL DAM. THE DAMAGE APPEARED TO CONCENTRATE AND BECOME
CONVERGENT NORTHWEST OF THE INTERSECTION OF COUNTY ROAD 4 NE AND
COUNTY ROAD 52 NE TO THE NORTHWEST OF REMER...INDICATING THE
START OF A BROAD AND WEAK TORNADO TRACK AT APPROXIMATELY 628 PM.
THE TORNADO THEN PRODUCED SPORADIC BUT CONCENTRATED AND CONVERGENT
DAMAGE FROM THAT LOCATION TO THE NORTHWESTERN END OF THE REMER
MUNICIPAL AIRPORT...TO MINNESOTA HIGHWAY 6 ON THE SOUTHEAST CORNER
OF MUD LAKE...TO THE NORTHERN END OF BIRCH LAKE. FROM THERE THE
TRACK BECAME MORE NARROW...AND THE DAMAGE MORE INTENSE AND NEARLY
CONTINUOUS CROSSING EAST BOUNDARY ROAD NE TO THE NORTHWEST OF
SAILOR LAKE. FROM THERE THE TORNADO CONTINUED EAST-
SOUTHEAST...EVENTUALLY TURNING MORE SOUTHEASTERLY SOUTH OF HOLY WATER
LAKE AND EVENTUALLY CROSSING MINNESOTA HIGHWAY 200 WEST OF THE LITTLE
HILL RIVER...ABOUT 5 MILES WEST OF HILL CITY. THE TORNADO DISSIPATED
SHORTLY AFTER CROSSING HIGHWAY 200 AT APPROXIMATELY 655 PM. THE PARENT
SUPERCELL THUNDERSTORM CONTINUED TO PRODUCE SPORADIC AND DIVERGENT WIND
DAMAGE SOUTHEAST OF THE END OF THE TORNADO TRACK AND CONTINUING
ANOTHER 7 MILES TO NEAR HAYPOINT.

ADDITIONAL INFORMATION AND NOTES ABOUT DAMAGE IN NORTHEASTERN CASS
AND NORTHWESTERN AITKIN COUNTY ARE PROVIDED BELOW.

- * THIS IS THE FIRST RECORDED TORNADO IN CASS OR AITKIN COUNTIES OF
MINNESOTA SINCE THE JUNE 17 2010 OUTBREAK.
- * A HOUSE NORTH OF REMER WAS DAMAGED WHEN SEVERAL TREES FELL ONTO IT.
OTHERWISE PROPERTY DAMAGE WAS LIMITED TO SMALL STRUCTURES AND
TREES.
- * SPORADIC WIND DAMAGE AS OBSERVED WEST-NORTHWEST OF THE TORNADO
TRACK IN CASS COUNTY. THIS DAMAGE FEATURED A SLIGHTLY DIVERGENT
WINDFLOW PATTERN SUGGESTS NON-TORNADIC "STRAIGHT LINE" WINDS OF 50
TO 65 MPH WERE THE CULPRIT.

MORE INFORMATION ON THE SEVERE WEATHER ON AUGUST 29TH CAN BE FOUND ON
OUR WEBPAGE AT: WEATHER.GOV/DULUTH /ALL LOWERCASE/