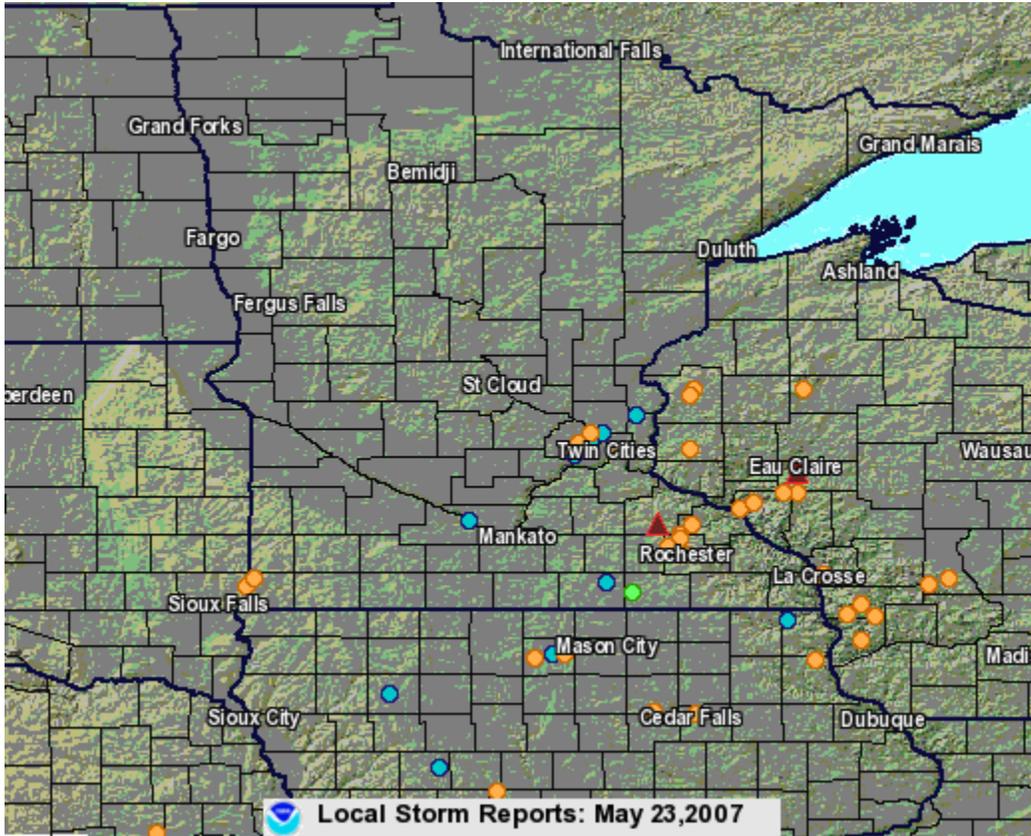


## May 23, 2007: First Tornado of the Year in Minnesota and Downburst Damage in the Twin Cities



Severe weather affected portions of eastern Minnesota and west central Wisconsin on Wednesday, May 23rd, producing at least one tornado, hail to the size of baseballs, and very damaging downburst winds in areas from the Twin Cities eastward. The severe weather occurred as a cold front pushed eastward across the area.

PRELIMINARY LOCAL STORM REPORT...SUMMARY  
 NATIONAL WEATHER SERVICE TWIN CITIES/CHANHASSEN MN  
 731 PM CDT WED MAY 23 2007

..TIME...	...EVENT...	...CITY LOCATION...	...LAT.LON...
..DATE...	....MAG....	..COUNTY LOCATION..ST..	...SOURCE....
..REMARKS..			
1155 AM 05/23/2007	HAIL M0.75 INCH	NEW ULM BROWN MN	44.31N 94.46W TRAINED SPOTTER
0205 PM 05/23/2007	TSTM WND DMG	WAYZATA HENNEPIN MN	44.97N 93.51W TRAINED SPOTTER

1 FT DIAMETER TREE BRANCHES DOWN. 1/4 INCH HAIL.

0210 PM HAIL PLYMOUTH 45.02N 93.46W  
05/23/2007 E0.88 INCH HENNEPIN MN TRAINED SPOTTER

0210 PM TSTM WND DMG PLYMOUTH 45.02N 93.46W  
05/23/2007 HENNEPIN MN TRAINED SPOTTER  
SEMI TRAILOR TIPPED OVER IN PLYMOUTH AT HIGHWAY 55 AND  
494. SPOTTER SAID HE WITNESSED A DOWNBURST.

0210 PM TSTM WND DMG PLYMOUTH 45.02N 93.46W  
05/23/2007 HENNEPIN MN EMERGENCY MNGR  
DAMAGE TO ROOF OF COMMERCIAL BUILDING ON BOONE AVE N.  
TREES IN NEARBY VICINITY UP TO ONE FOOT DIAMETER WERE  
DOWNED OR BLOW OVER. TIME WAS ESIMATED.

0215 PM TSTM WND DMG PLYMOUTH 45.02N 93.46W  
05/23/2007 HENNEPIN MN AMATEUR RADIO  
CO RD 9 EAST OF 494. POWER LINES DOWN.

0215 PM HAIL MINNETONKA 44.91N 93.50W  
05/23/2007 E1.00 INCH HENNEPIN MN TRAINED SPOTTER  
BROKEN CAR WINDOWS. 1 TO 2 INCH BRANCHES DOWN.

0215 PM HAIL PLYMOUTH 45.02N 93.46W  
05/23/2007 E1.00 INCH HENNEPIN MN TRAINED SPOTTER  
1 MILE EAST OF HIGHWAY 55 AND 494.

0215 PM HAIL CRYSTAL 45.04N 93.36W  
05/23/2007 E2.00 INCH HENNEPIN MN TRAINED SPOTTER  
MAINLY 1 TO 1.5 INCH STONES. BIGGEST HAIL EGG SIZED.

0225 PM HAIL BROOKLYN PARK 45.11N 93.35W  
05/23/2007 E2.75 INCH HENNEPIN MN PUBLIC  
BASEBALL SIZED HAIL REPORTED ALONG WITH UNKNOWN WIND  
DAMAGE AT INTERSECTION OF SCHMITT LAKE ROAD AND HIGHWAY  
169. ALSO HALF DOLLAR TO PING PONG SIZED HAIL REPORTED  
NEAR 694 AND 85TH AVENUE.

0225 PM HAIL BROOKLYN PARK 45.11N 93.35W  
05/23/2007 E1.00 INCH HENNEPIN MN TRAINED SPOTTER  
AT HIGHWAY 169 AND HIGHWAY 81.

0225 PM TSTM WND DMG BROOKLYN PARK 45.11N 93.35W  
05/23/2007 HENNEPIN MN TRAINED SPOTTER  
TREE LIMBS DOWN

0225 PM HAIL BROOKLYN PARK 45.11N 93.35W  
05/23/2007 E1.75 INCH HENNEPIN MN TRAINED SPOTTER

0226 PM HAIL BROOKLYN PARK 45.11N 93.35W  
05/23/2007 M2.50 INCH HENNEPIN MN TRAINED SPOTTER  
MEASURED AT INTERSECTION OF 73RD AND ZANE.

0230 PM TSTM WND GST ST PAUL 44.95N 93.10W  
05/23/2007 M53.00 MPH RAMSEY MN TRAINED SPOTTER  
MEASURED IN HIGHLAND PARK.

0230 PM HAIL BROOKLYN PARK 45.11N 93.35W  
05/23/2007 E0.88 INCH HENNEPIN MN TRAINED SPOTTER  
NEAR ZANE AND CO RD 30

0230 PM HAIL CRYSTAL 45.04N 93.36W  
05/23/2007 E1.75 INCH HENNEPIN MN TRAINED SPOTTER  
NEAR CRYSTAL AIRPORT

0236 PM HAIL SPRING LAKE PARK 45.12N 93.25W  
05/23/2007 E1.00 INCH ANOKA MN TRAINED SPOTTER

0310 PM HAIL 2 E FOREST LAKE 45.28N 92.94W  
05/23/2007 E0.75 INCH WASHINGTON MN TRAINED SPOTTER  
AT MANNING AVENUE AND HIGHWAY 97

0400 PM TSTM WND DMG BALSAM LAKE 45.46N 92.45W  
05/23/2007 POLK WI TRAINED SPOTTER  
POWER LINES DOWN AT INTERSECTION OF HWY 47 AND 180TH.  
POWER LINES ALSO DOWN AT 190TH AVE AND 136TH ST. TIME WAS  
ESTIMATED.

0400 PM TSTM WND DMG 4 NNE BALSAM LAKE 45.51N 92.42W  
05/23/2007 POLK WI TRAINED SPOTTER  
TREE DOWN ON 200TH STREET.

0425 PM TORNADO 2 SE WANAMINGO 44.28N 92.76W  
05/23/2007 GOODHUE MN PUBLIC  
UNCONFIRMED PUBLIC REPORT OF WEAK TORNADO PICKING UP DUST  
WHILE CROSSING OPEN FIELD 2 MILES SOUTHEAST OF WANAMINGO.  
RELAYED BY COUNTY OFFICIALS.

0504 PM TSTM WND DMG HAMMOND 44.97N 92.44W  
05/23/2007 ST. CROIX WI TRAINED SPOTTER  
3-5 INCH BRANCHES DOWN. MEASURED WIND GUST OF 46MPH.

0520 PM HAIL HOLLANDALE 43.76N 93.21W  
05/23/2007 M0.75 INCH FREEBORN MN LAW ENFORCEMENT

0605 PM TSTM WND GST 6 N WEYERHAEUSER 45.51N 91.41W  
05/23/2007 E58.00 MPH RUSK WI LAW ENFORCEMENT  
NUMEROUS SMALL TREES AND ONE INCH TREE LIMBS SEVERED.

0659 PM FUNNEL CLOUD 2 S BLUE EARTH 43.61N 94.10W  
05/23/2007 FARIBAULT MN PUBLIC  
REPORTED BY COUNTY DISPATCH.

0722 PM TORNADO 4 S EAU CLAIRE 44.76N 91.49W  
05/23/2007 EAU CLAIRE WI PUBLIC  
REPORTED BY RAINFALL OBSERVER C1. TORNADO OCCURRED NEAR  
CEDAR ROAD AND LOWES CREEK.

## **First Confirmed Minnesota Tornado of 2007**

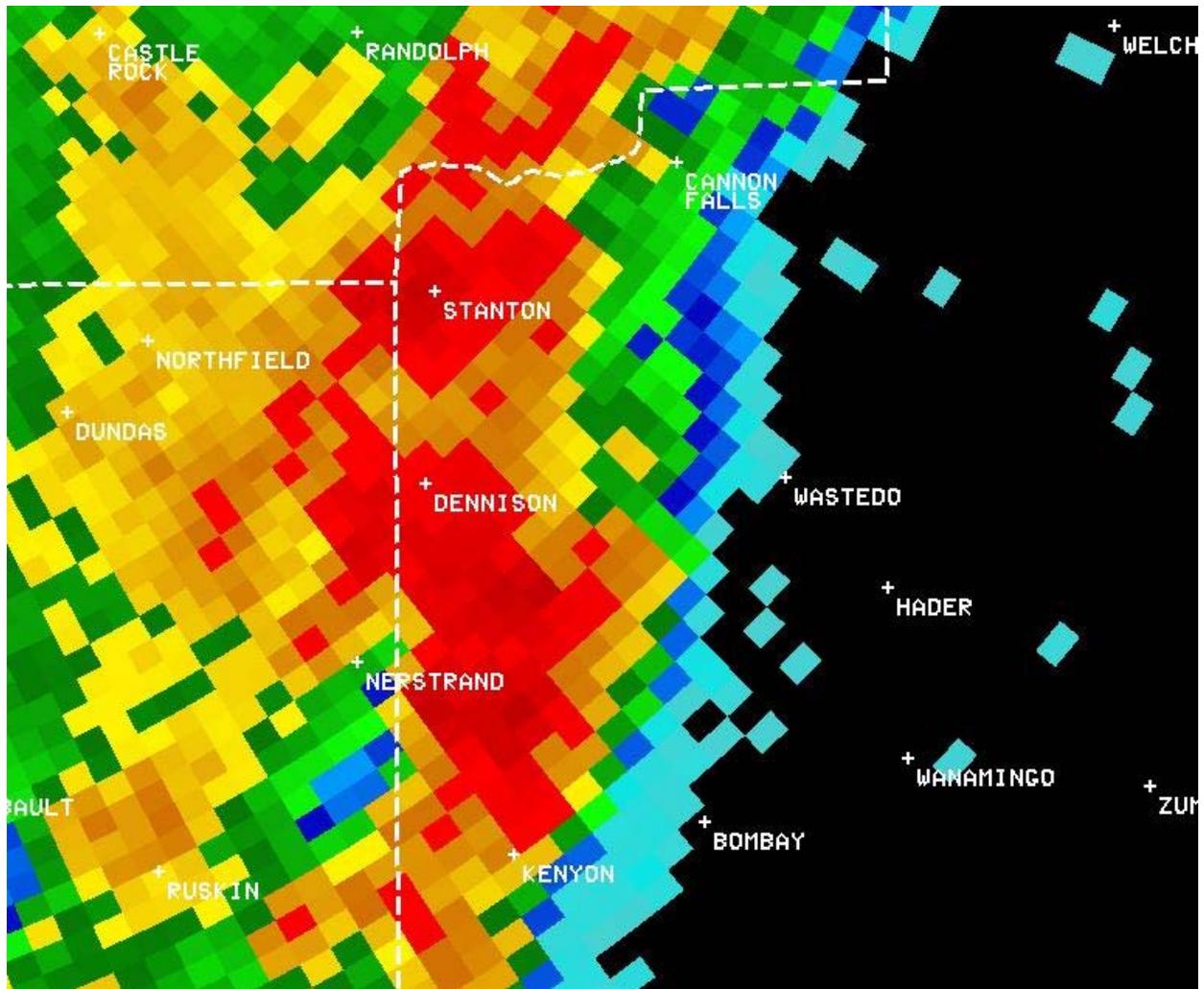
A damage survey revealed that a weak tornado briefly touched down Wednesday in western Goodhue County. The tornado was rated EF-0 on the [Enhanced Fujita Scale](#), with winds of 65 to 85 mph.

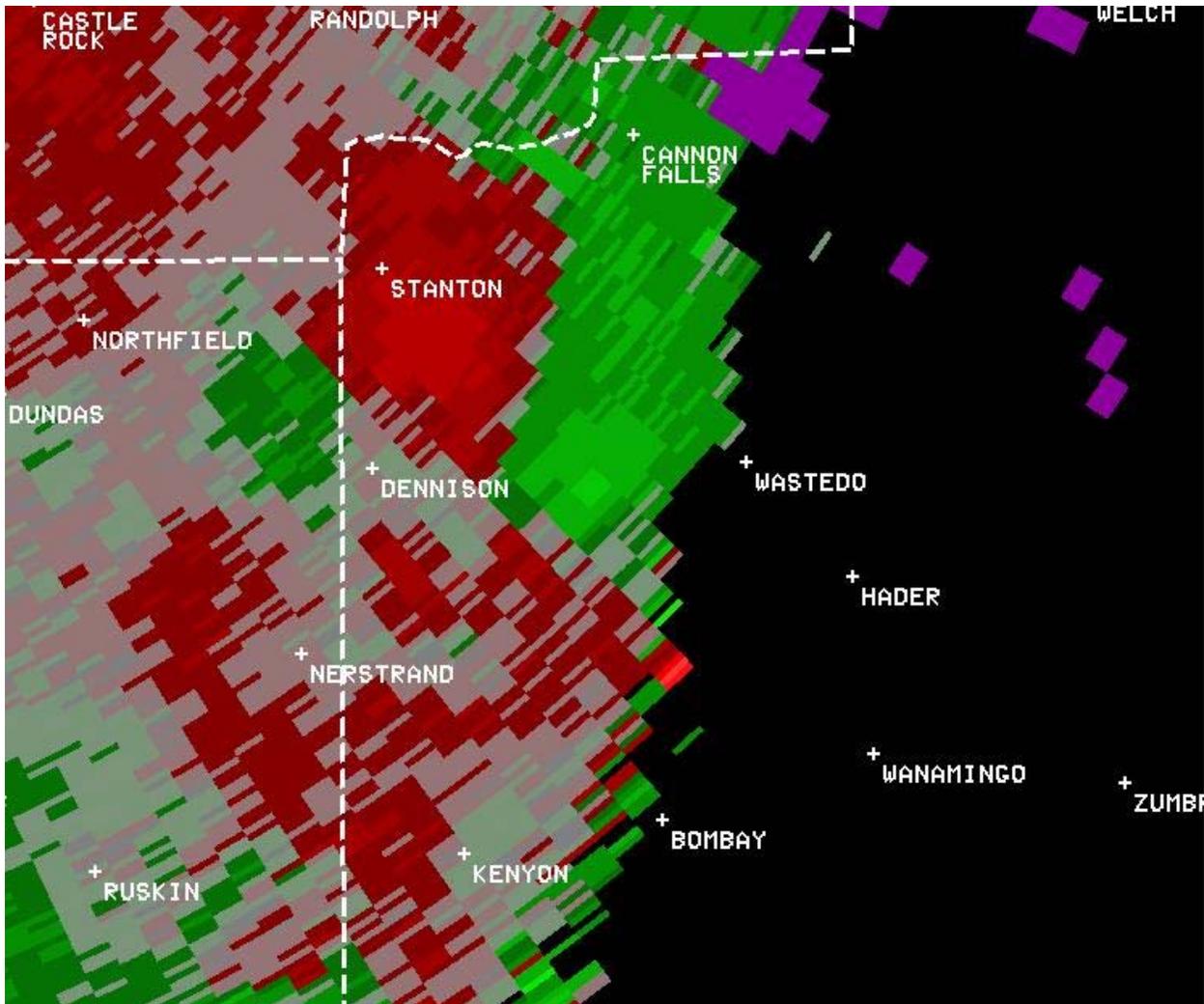
The tornado touched down at about 4:10 pm CDT, 5 miles southeast of Dennison. It was on the ground for 2 miles, dissipating 5 miles east-southeast of Dennison. Its maximum width was 50 yards. Scattered trees were broken or uprooted.

This was the first confirmed tornado in Minnesota in 2007.

The public had also reported a tornado at 4:25 pm CDT in an open field 2 miles southeast of Wanamingo in Goodhue County. This report remains unconfirmed, as the National Weather Service has been attempting to contact all eyewitnesses and to locate any corroborating pictures or video. Radar signatures indicate it may well have been outflow instead of a tornado.







### **Downburst Produces Significant Damage in Plymouth**

A strong thunderstorm moved across Hennepin County, producing damage in the Plymouth area. The National Weather Service received numerous reports of damage, including an overturned semi trailer near Highway 55 and Interstate 494, where a trained storm spotter reported witnessing a downburst at 2:10 pm CDT. Damage to the roof of a commercial building and downed power lines and tree branches were also reported. The damage to power lines resulted in a fairly widespread power outage in the Plymouth area.

A National Weather Service official was dispatched to Plymouth to survey the damage and confirmed that the damage was indeed produced by a

downburst. The official reported that the full dimension of the downburst is unknown but estimated that the damage extent was likely around 1 mile.

A downburst is a column of sinking air in a thunderstorm that is capable of producing damaging straightline winds and damage similar to that of a tornado.





