

Storm Data and Unusual Weather Phenomena - May 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
NORTH DAKOTA, Central and West				
(ND-Z020) OLIVER, (ND-Z034) MORTON, (ND-Z035) BURLEIGH, (ND-Z036) KIDDER, (ND-Z042) GRANT, (ND-Z045) SIOUX, (ND-Z046) EMMONS, (ND-Z047) LOGAN, (ND-Z050) MCINTOSH				
	05/01/08 17:00 CST		15K	High Wind (MAX 59 kt)
	05/01/08 20:00 CST		0	
<p>A low pressure system pushed east across North Dakota and resulted in high winds over the south central part of the state for a few hours during the early evening of Thursday, May first. Winds were sustained around 40 mph with gusts as high as 68 mph measured at St. Anthony in Morton County.</p>				
(ND-Z018) DUNN				
	05/10/08 05:00 CST		0	Heavy Snow
	05/10/08 10:00 CST		0	
<p>Six inches of snow fell over Dunn County on Saturday, May 10th.</p>				
(ND-Z021) MCLEAN, (ND-Z035) BURLEIGH				
	05/19/08 11:00 CST		0	High Wind (MAX 41 kt)
	05/19/08 14:00 CST		0	
<p>A departing low pressure system brought warning criteria sustained winds to a small area of south central North Dakota in the early to mid afternoon hours of Monday, May 19th. These strong winds were confined to a narrow corridor extending from Garrison to Bismarck.</p>				
DICKEY COUNTY --- 4.0 SSE ELLENDALE [45.95, -98.49], 7.0 W OAKES [46.13, -98.23]				
	05/24/08 18:35 CST		0	Hail (1.00 in)
	05/24/08 18:59 CST		0	Source: Trained Spotter
<p>Law enforcement also reported rotation in the thunderstorm west of Oakes.</p>				
DICKEY COUNTY --- 6.0 SW GUELPH [45.96, -98.32], 2.0 SW GUELPH [46.00, -98.26]				
	05/24/08 18:38 CST		10K	Tornado (EF0, L: 4.00 mi , W: 50 yd)
	05/24/08 18:45 CST		0	Source: Emergency Manager
<p>The Dickey County Emergency Manager conducted a storm survey in the area and found evidence of a weak tornado. Tree branches were broken in parts of tree rows. No other structures were impacted. This was the first of three tornadoes in Dickey County this evening. An EF scale rating of middle EF0 was assigned with estimated wind speeds around 75 mph.</p>				
DICKEY COUNTY --- 4.0 NW GUELPH [46.06, -98.29], 7.0 W OAKES [46.13, -98.23]				
	05/24/08 18:50 CST		10K	Tornado (EF0, L: 5.64 mi , W: 100 yd)
	05/24/08 19:00 CST		0	Source: Law Enforcement
<p>A Dickey County Deputy Sheriff originally reported this tornado and indicated that it was visible only as debris rotating on the ground with little if any visible condensation funnel. The Dickey County Emergency Manager later conducted a storm damage survey. There was minor damage to one side of a farm house near the tornado starting point about 4 miles northwest of Guelph. No other damage was observed as the tornado then remained over open areas. This was the second of three tornadoes in Dickey County this evening. An EF scale rating of higher end EF0 was assigned with estimated wind speeds around 80 mph.</p>				
DICKEY COUNTY --- 3.0 W OAKES [46.13, -98.14], 1.0 NNE GLOVER [46.24, -98.12]				
	05/24/08 18:59 CST		10K	Tornado (EF0, L: 7.90 mi , W: 100 yd)
	05/24/08 19:13 CST		0	Source: Emergency Manager
<p>The Dickey County Emergency Manager conducted a storm damage survey. This tornado remained in open areas, uprooting smaller trees and breaking branches. This was the third of three tornadoes in Dickey County this evening. An EF scale rating of middle EF0 was assigned with estimated wind speeds around 75 mph.</p>				
MORTON COUNTY --- 6.0 SSW NEW SALEM [46.77, -101.47], 2.0 W NEW SALEM [46.85, -101.46]				
	05/24/08 19:10 CST		0.20M	Tornado (EF1, L: 5.55 mi , W: 75 yd)
	05/24/08 19:25 CST		0	Source: NWS Storm Survey

Storm Data and Unusual Weather Phenomena - May 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>The tornado was originally reported by Morton County law enforcement. A storm damage survey was conducted by the National Weather Service and found that damage occurred to five farms in the New Salem area. Damage to farm houses was minor. Damage to farm outbuildings was significant with roofs torn off and smaller buildings destroyed. In some cases small outbuildings were destroyed while others nearby had little in any damage. Horse trailers were pushed and some were tipped. Tree trunks were snapped part way up their bases. The tornado damage corresponded to EF1 on the Enhanced Fujita Scale. From that it was determined that wind speeds in the tornado were on the order of 100 mph. This was the first of two tornadoes in Morton County this evening.</p>				
MORTON COUNTY --- 4.0 N NEW SALEM [46.91, -101.42]				
	05/24/08 19:20 CST		0	Funnel Cloud
	05/24/08 19:20 CST		0	Source: Law Enforcement
MORTON COUNTY --- 2.0 NW SWEET BRIAR [46.85, -101.21], 3.0 N SWEET BRIAR [46.87, -101.18]				
	05/24/08 19:24 CST		0	Tornado (EF0, L: 2.12 mi , W: 30 yd)
	05/24/08 19:29 CST		0	Source: Law Enforcement
<p>The National Weather Service conducted a storm damage survey in Morton County. With this tornado there was no evidence of damage. The tornado stayed over open areas. Traffic on Interstate 94 stopped as the tornado crossed the highway. This was the second tornado in Morton County this evening. An EF scale rating of EF0 was assigned with estimated wind speeds around 65 mph.</p>				
MORTON COUNTY --- 2.0 W NEW SALEM [46.85, -101.46], 4.0 NNW NEW SALEM [46.90, -101.45]				
	05/24/08 19:25 CST		5K	Thunderstorm Wind (EG 65 kt)
	05/24/08 19:45 CST		0	Source: NWS Storm Survey
<p>A storm damage survey was conducted by the National Weather Service and found that minor damage to outbuildings and trees in this area was the result of high thunderstorm winds associated with the storms rear flank downdraft.</p>				
MORTON COUNTY --- MANDAN MUNI ARPT [46.77, -100.90]				
	05/24/08 20:03 CST		0	Hail (0.75 in)
	05/24/08 20:09 CST		0	Source: Law Enforcement
MORTON COUNTY --- MANDAN [46.83, -100.90]				
	05/24/08 20:05 CST		0	Hail (1.00 in)
	05/24/08 20:14 CST		0	Source: Law Enforcement
<p>Hail was reported on the west side of the city of Mandan.</p>				
MORTON COUNTY --- 0.5 E MANDAN [46.83, -100.89]				
	05/24/08 20:11 CST		0	Hail (0.88 in)
	05/24/08 20:21 CST		0	Source: NWS Employee
<p>Hail was falling over the east side of Mandan.</p>				
BURLEIGH COUNTY --- 6.0 N BISMARCK [46.89, -100.77]				
	05/24/08 20:32 CST		0	Hail (0.88 in)
	05/24/08 20:37 CST		0	Source: Law Enforcement
<p>Report from off-duty law enforcement.</p>				
BURLEIGH COUNTY --- 1.4 N BALDWIN [47.05, -100.77]				
	05/24/08 20:43 CST		0	Hail (1.00 in)
	05/24/08 20:49 CST		0	Source: Trained Spotter
<p>In the late afternoon of May 24th, Tornado Watch 352 was issued in anticipation of severe thunderstorms and possible tornadoes developing along and ahead of a strong closed upper level low and associated surface low and cold frontal boundary over southern North Dakota. Numerous severe thunderstorm warnings and tornado warnings were issued. Reports included multiple tornadoes in both Morton and Dickey counties. A National Weather Service storm damage survey was completed in Morton County, and the Dickey County Emergency Manager conducted a storm damage survey in Dickey County.</p>				
WILLIAMS COUNTY --- 14.0 N WILLISTON [48.35, -103.62]				
	05/29/08 15:22 CST		0	Hail (1.00 in)
	05/29/08 15:26 CST		0	Source: Public

Storm Data and Unusual Weather Phenomena - May 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

Hail was reported near the intersection of highways 2 and 85.

WILLIAMS COUNTY --- 9.0 S CORINTH [48.49, -103.32]

05/29/08 15:48 CST	0	Hail (0.75 in)
05/29/08 15:55 CST	0	Source: Trained Spotter

WILLIAMS COUNTY --- 6.9 W TIOGA SAGASER ARPT [48.53, -103.18]

05/29/08 16:00 CST	0	Hail (0.88 in)
05/29/08 16:08 CST	0	Source: Public

Hail filled the ditches and covered the ground like snow.

DUNN COUNTY --- 4.9 N KILLDEER [47.44, -102.75]

05/29/08 16:56 MST	0	Hail (1.00 in)
05/29/08 17:04 MST	0	Source: Trained Spotter

Pulse severe thunderstorms developed across portions of western North Dakota as the atmosphere destabilized in the mid afternoon hours of Thursday, May 29th. Several reports of large hail were received.