

## Storm Data and Unusual Weather Phenomena - January 2013

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

### NORTH DAKOTA, Central and West

<b>(ND-Z018) DUNN, (ND-Z021) MCLEAN, (ND-Z047) LOGAN, (ND-Z048) LA MOURE</b>				
	01/11/13 18:00 CST		0	Heavy Snow
	01/12/13 02:00 CST		0	

<b>(ND-Z001) DIVIDE, (ND-Z002) BURKE, (ND-Z003) RENVILLE, (ND-Z004) BOTTINEAU, (ND-Z005) ROLETTE, (ND-Z009) WILLIAMS, (ND-Z010) MOUNTRAIL, (ND-Z011) WARD, (ND-Z012) MCHENRY, (ND-Z017) MCKENZIE</b>				
	01/11/13 18:12 CST		0	Blizzard
	01/12/13 07:00 CST		0	

A strong winter storm brought a wide variety of severe winter weather to the Northern Plains region the 11th and 12th.

The first wave of winter weather arrived during the morning hours of the 11th in the form of light freezing rain. This resulted in a light coating of ice on roads making travel hazardous across west and central North Dakota. The precipitation eventually turned over to all snow later in the morning. A band of heavy snow developed early in the afternoon across south central North Dakota, extending north and east into the northern Red River Valley by early in the evening of the 11th. The snow ended from the west during the morning hours of the 12th. Up to six inches of snow fell over parts of south central North Dakota.

Another area of heavy snow over eastern Montana on the 11th eventually developed east into northwest and north central North Dakota, where up to six inches of snow fell.

In addition to the snow, strong north winds gusting to over 35 miles per hour at times created widespread blowing and drifting snow reducing visibilities during the evening of the 11th through the morning hours of the 12th. The worst conditions occurred over northwest and far north central North Dakota where blizzard conditions were observed for several hours.

<b>(ND-Z004) BOTTINEAU, (ND-Z005) ROLETTE, (ND-Z013) PIERCE</b>				
	01/19/13 07:00 CST		0	Blizzard
	01/19/13 15:00 CST		0	

A strong cold front moving out of Canada and into the Northern Plains resulted in sustained winds to around 40 miles per hour and peak gusts to near 60 miles per hour over far north central North Dakota. The wind, combined with two inches of loose snow cover, resulted in a ground blizzard around the Turtle Mountain region on the 19th. To the west of this area, where there was very little loose snow cover, high winds were reported but no blizzard conditions.

<b>(ND-Z003) RENVILLE, (ND-Z011) WARD, (ND-Z012) MCHENRY, (ND-Z022) SHERIDAN, (ND-Z023) WELLS, (ND-Z025) FOSTER, (ND-Z036) KIDDER, (ND-Z037) STUTSMAN, (ND-Z048) LA MOURE</b>				
	01/19/13 09:00 CST		0	High Wind (MAX 35 kt)
	01/19/13 15:00 CST		0	

A strong cold front moving out of Canada and into the Northern Plains resulted in sustained winds to around 40 miles per hour over parts of central North Dakota. To the east of this area, where there was a lot of loose snow cover, a ground blizzard developed.

<b>(ND-Z001) DIVIDE, (ND-Z002) BURKE, (ND-Z003) RENVILLE, (ND-Z004) BOTTINEAU, (ND-Z005) ROLETTE, (ND-Z009) WILLIAMS, (ND-Z010) MOUNTRAIL, (ND-Z011) WARD, (ND-Z012) MCHENRY, (ND-Z013) PIERCE, (ND-Z017) MCKENZIE, (ND-Z018) DUNN, (ND-Z019) MERCER, (ND-Z020) OLIVER, (ND-Z021) MCLEAN, (ND-Z022) SHERIDAN, (ND-Z023) WELLS, (ND-Z025) FOSTER, (ND-Z034) MORTON, (ND-Z035) BURLEIGH, (ND-Z036) KIDDER, (ND-Z037) STUTSMAN, (ND-Z046) EMMONS, (ND-Z047) LOGAN, (ND-Z048) LA MOURE, (ND-Z050) MCINTOSH, (ND-Z051) DICKEY</b>				
	01/20/13 09:00 CST		0	Extreme Cold/Wind Chill
	01/21/13 12:00 CST		0	

An Arctic Air mass building across the Northern Plains brought sub-zero temperatures and winds up to twenty miles per hour from the 20th into the morning of the 21st. Wind chill temperatures ranged from nearly fifty below zero across north central North Dakota, to around 40 below farther to the south.

<b>(ND-Z048) LA MOURE, (ND-Z051) DICKEY</b>				
	01/28/13 16:00 CST		0	Heavy Snow
	01/29/13 04:00 CST		0	

Low pressure lifting northeast across the Central Plains brought a band of heavy snow to the far southern James River Basin of North Dakota during the afternoon and evening of the 28th. Snow eventually ended early on the morning of the 29th. A storm total snowfall of eight inches was reported at both Ellendale and Oakes, Dickey County, and seven inches near Verona, LaMoure County.

## Storm Data and Unusual Weather Phenomena - January 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
(ND-Z001) DIVIDE, (ND-Z002) BURKE, (ND-Z003) RENVILLE, (ND-Z004) BOTTINEAU, (ND-Z005) ROLETTE, (ND-Z009) WILLIAMS, (ND-Z010) MOUNTRAIL, (ND-Z011) WARD, (ND-Z012) MCHENRY, (ND-Z013) PIERCE, (ND-Z017) MCKENZIE, (ND-Z018) DUNN, (ND-Z019) MERCER, (ND-Z020) OLIVER, (ND-Z021) MCLEAN, (ND-Z022) SHERIDAN, (ND-Z023) WELLS, (ND-Z025) FOSTER, (ND-Z031) GOLDEN VALLEY, (ND-Z032) BILLINGS, (ND-Z033) STARK, (ND-Z034) MORTON, (ND-Z035) BURLEIGH, (ND-Z036) KIDDER, (ND-Z037) STUTSMAN, (ND-Z040) SLOPE, (ND-Z041) HETTINGER, (ND-Z042) GRANT, (ND-Z043) BOWMAN, (ND-Z044) ADAMS, (ND-Z045) SIOUX, (ND-Z046) EMMONS, (ND-Z047) LOGAN, (ND-Z048) LA MOURE, (ND-Z050) MCINTOSH, (ND-Z051) DICKEY				
	01/30/13 20:00 CST		0	Extreme Cold/Wind Chill
	01/31/13 23:59 CST		0	

Arctic high pressure building into the Northern Plains brought a prolonged period of dangerous wind chill temperatures to the area. Wind chills as low as 55 below zero were recorded.

This wind chill event continued into February 1 for parts of the area. Information is included in February 2013 Storm Data.