

## Storm Data and Unusual Weather Phenomena - February 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>NORTH DAKOTA, Central and West</b>				
<b>(ND-Z001) DIVIDE, (ND-Z002) BURKE, (ND-Z009) WILLIAMS, (ND-Z010) MOUNTRAIL, (ND-Z017) MCKENZIE, (ND-Z018) DUNN, (ND-Z031) GOLDEN VALLEY, (ND-Z032) BILLINGS, (ND-Z033) STARK, (ND-Z040) SLOPE, (ND-Z041) HETTINGER, (ND-Z043) BOWMAN, (ND-Z044) ADAMS</b>				
	02/01/22 00:00 CST		0	Drought
	02/28/22 23:59 CST		0	
Drought continued over the western third of North Dakota through the month of February, although there was modest improvement, mainly on the eastern side of the D2 and D3 designated areas. Renville County was able to improve to D1 by February 15th. Refer to the U.S. Drought Monitor for details.				
<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-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</b>				
	02/01/22 00:00 CST		0	High Wind (MAX 64 kt)
	02/01/22 05:00 CST		0	
<b>(ND-Z004) BOTTINEAU, (ND-Z005) ROLETTE, (ND-Z012) MCHENRY, (ND-Z013) PIERCE, (ND-Z022) SHERIDAN, (ND-Z023) WELLS, (ND-Z025) FOSTER, (ND-Z037) STUTSMAN</b>				
	02/01/22 03:00 CST		0	Blizzard
	02/01/22 09:00 CST		0	
An Alberta clipper moved through in the evening and late night hours of January 31 into the early morning hours of February 1, with high winds developing in the wake of the cold front. The highest reported wind gust was 74 mph in Ward County, while in Mountrail and Sheridan counties 73 mph winds were registered. Blizzard conditions developed during the early morning of February 1 over parts of north central North Dakota and the James River Valley as the winds combined with falling snow and snow already on the ground. See the January 2022 edition of Storm Data for the start of this event.				
<b>(ND-Z003) RENVILLE</b>				
	02/01/22 00:00 CST		0	Drought
	02/15/22 06:00 CST		0	
Drought continued over the western third of North Dakota through the month of February, with the exception of Renville County where there was significant improvement to D1 by the 15th. Refer to the U.S. Drought Monitor for details.				
<b>(ND-Z003) RENVILLE, (ND-Z004) BOTTINEAU, (ND-Z011) WARD, (ND-Z012) MCHENRY, (ND-Z021) MCLEAN, (ND-Z022) SHERIDAN, (ND-Z023) WELLS, (ND-Z025) FOSTER, (ND-Z036) KIDDER, (ND-Z037) STUTSMAN, (ND-Z047) LOGAN, (ND-Z048) LA MOURE, (ND-Z050) MCINTOSH, (ND-Z051) DICKEY</b>				
	02/18/22 04:00 CST		0	High Wind (MAX 56 kt)
	02/18/22 17:00 CST		0	
<b>(ND-Z005) ROLETTE, (ND-Z013) PIERCE, (ND-Z025) FOSTER</b>				
	02/18/22 04:00 CST		0	Blizzard
	02/18/22 17:00 CST		0	
An Alberta clipper dropped through the region resulting in strong northwest winds and some light snow over central and parts of Northwest North Dakota. The strongest reported wind gust of 64 mph occurred in Stutsman County. Over Rolette, Pierce, and Foster counties, the strong winds combined with an abundance of snow on the ground to produce a blizzard.				
<b>(ND-Z034) MORTON, (ND-Z035) BURLEIGH, (ND-Z036) KIDDER, (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</b>				
	02/20/22 18:00 CST		0	Heavy Snow
	02/22/22 03:00 CST		0	
<b>(ND-Z047) LOGAN, (ND-Z048) LA MOURE, (ND-Z050) MCINTOSH, (ND-Z051) DICKEY</b>				
	02/22/22 03:00 CST		0	Blizzard
	02/22/22 15:00 CST		0	

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Short-wave upper level troughs lifted into the region resulting in heavy snow developing over southern North Dakota. The snow was the heaviest during the late night hours of February 20 into the early morning hours of February 21. Light snow then continued over many locations during the day into the evening, but northerly winds increased, especially during the overnight hours. This led to blizzard conditions developing over the James River Valley. The most snow was eleven inches in the Fort Yates area of Sioux County, with around ten inches reported in both Adams and McIntosh counties.