

Storm Data and Unusual Weather Phenomena - January 2022

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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NORTH DAKOTA, Central and West

(ND-Z001) DIVIDE, (ND-Z002) BURKE, (ND-Z003) RENVILLE, (ND-Z009) WILLIAMS, (ND-Z010) MOUNTRAIL, (ND-Z017) MCKENZIE, (ND-Z018) DUNN, (ND-Z031) GOLDEN VALLEY, (ND-Z032) BILLINGS, (ND-Z040) SLOPE, (ND-Z041) HETTINGER, (ND-Z043) BOWMAN, (ND-Z044) ADAMS	01/01/22 00:00 CST		0	Drought
	01/31/22 23:59 CST		0	

Improvement continued in the drought through central North Dakota through the first week of January, to the point where many counties went from D2 to D1. Parts or all of Divide, Burke, Renville, Williams, Mountrail, and McKenzie counties remained in D3 with the rest of the west in D2. Refer to the U.S. Drought Monitor for details.

(ND-Z004) BOTTINEAU, (ND-Z011) WARD, (ND-Z012) MCHENRY, (ND-Z019) MERCER, (ND-Z020) OLIVER, (ND-Z021) MCLEAN, (ND-Z022) SHERIDAN, (ND-Z034) MORTON	01/01/22 00:00 CST		0	Drought
	01/04/22 06:00 CST		0	

Drought lessened from D2 to D1 in Bottineau, Ward, McHenry, McLean, Sheridan, Mercer, Oliver and Morton counties. Refer to the U.S. Drought Monitor for details.

(ND-Z048) LA MOURE, (ND-Z051) DICKEY	01/04/22 19:00 CST		0	Blizzard
	01/05/22 09:00 CST		0	

Strong winds developed behind a cold front sweeping through the area, while a short-wave trough passing through resulted in some snow developing. Over the southern James River Valley, the strong winds combined with falling snow and snow on the ground to produce blizzard conditions which lasted from the evening of January 4 until the morning of January 5.

(ND-Z003) RENVILLE, (ND-Z004) BOTTINEAU, (ND-Z011) WARD, (ND-Z012) MCHENRY, (ND-Z013) PIERCE, (ND-Z022) SHERIDAN, (ND-Z023) WELLS, (ND-Z025) FOSTER, (ND-Z036) KIDDER, (ND-Z037) STUTSMAN, (ND-Z047) LOGAN, (ND-Z048) LA MOURE, (ND-Z051) DICKEY	01/13/22 21:00 CST		0	Heavy Snow
	01/14/22 11:00 CST		0	

An Alberta clipper moved through the region resulting in heavy snow over parts of central North Dakota into the James River Valley. The heaviest snow of ten inches fell in McHenry and Bottineau counties.

(ND-Z033) STARK	01/18/22 06:00 CST		0	Drought
	01/31/22 23:59 CST		0	

Stark County, that had been in D1 drought, worsened to D2 by the middle of the month of January. Refer to the U.S. Drought Monitor for 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	01/31/22 18:00 CST		0	High Wind (MAX 64 kt)
	01/31/22 23:59 CST		0	

An Alberta clipper moved through in the evening and overnight hours with high winds developing in the wake of the cold front. The highest winds were 74 mph in Ward County while in Mountrail and Sheridan counties 73 mph winds were registered. The high winds continued into the early morning hours of February 1, 2022, which led to blizzard conditions developing on 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 February 2022 edition of Storm Data for a continuation of the high wind event and for the blizzard.