

Storm Data and Unusual Weather Phenomena - December 2021

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-Z004) BOTTINEAU, (ND-Z009) WILLIAMS, (ND-Z010) MOUNTRAIL, (ND-Z011) WARD, (ND-Z012) MCHENRY, (ND-Z017) MCKENZIE, (ND-Z018) DUNN, (ND-Z019) MERCER, (ND-Z020) OLIVER, (ND-Z021) MCLEAN, (ND-Z022) SHERIDAN, (ND-Z031) GOLDEN VALLEY, (ND-Z032) BILLINGS, (ND-Z034) MORTON, (ND-Z040) SLOPE, (ND-Z041) HETTINGER, (ND-Z043) BOWMAN, (ND-Z044) ADAMS

12/01/21 00:00 CST	0	Drought
12/31/21 23:59 CST	0	

Gradual improvement occurred in the drought through the month of December, mainly over central North Dakota. Drought at the beginning of December was similar to the end of November. By the second and third weeks of the month improvement occurred over the central parts of the state, to D1 and D0. Golden Valley County that was in D3 improved to D2. Parts or all of Divide, Burke, Renville, Williams, Mountrail, and McKenzie counties remained in D3. Refer to the U.S. Drought Monitor for details.

(ND-Z005) ROLETTE, (ND-Z013) PIERCE, (ND-Z025) FOSTER, (ND-Z036) KIDDER, (ND-Z037) STUTSMAN

12/01/21 00:00 CST	0	Drought
12/14/21 06:00 CST	0	

By the middle of the month of December the drought eased into the D1 and D0 categories. Refer to the U.S. Drought Monitor for details.

(ND-Z023) WELLS, (ND-Z035) BURLEIGH

12/01/21 00:00 CST	0	Drought
12/28/21 06:00 CST	0	

By the end of the month of December the drought eased into the D1 and D0 categories. Refer to the U.S. Drought Monitor for details.

(ND-Z002) BURKE, (ND-Z003) RENVILLE, (ND-Z004) BOTTINEAU, (ND-Z005) ROLETTE, (ND-Z010) MOUNTRAIL, (ND-Z011) WARD, (ND-Z012) MCHENRY, (ND-Z013) PIERCE, (ND-Z021) MCLEAN, (ND-Z022) SHERIDAN, (ND-Z023) WELLS, (ND-Z025) FOSTER

12/04/21 19:00 CST	0	Heavy Snow
12/05/21 11:00 CST	0	

A short wave trough and affiliated surface low moved through North Dakota, resulting in snow and gusty winds developing over the area. Some of the snow became heavy over northern North Dakota. The greatest snow amount reported was seven inches in Rolette County.

(ND-Z051) DICKEY

12/17/21 08:00 CST	0	Heavy Snow
12/17/21 20:00 CST	0	

A persistent band of snow moved north from South Dakota into southeast and far south central North Dakota, with Dickey County on the western end of the heaviest snowfall. The band then stalled, and remained over Dickey County through the day before eventually departing to the east and dissipating. Around 13 inches of snow fell in the Ellendale area, with 11 inches in Oakes.

(ND-Z002) BURKE, (ND-Z003) RENVILLE, (ND-Z004) BOTTINEAU, (ND-Z005) ROLETTE, (ND-Z010) MOUNTRAIL, (ND-Z011) WARD, (ND-Z012) MCHENRY, (ND-Z013) PIERCE, (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-Z042) GRANT, (ND-Z045) SIOUX, (ND-Z046) EMMONS, (ND-Z047) LOGAN, (ND-Z048) LA MOURE, (ND-Z050) MCINTOSH, (ND-Z051) DICKEY

12/26/21 12:00 CST	0	Heavy Snow
12/27/21 10:00 CST	0	

(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

12/27/21 05:00 CST	0	Blizzard
12/27/21 14:00 CST	0	

Two rounds of snow passed over the region, with the first one affiliated with a warm front lifting through the area. Some locations then had a brief pause in snowfall, until the second round of snow affiliated with a surface low shifting from Wyoming into the Dakotas moved in. The combination of both these systems resulted in heavy snow over central and portions of western North Dakota. The heaviest reported snowfall of 18 inches occurred at Jamestown in Stutsman County. During the early morning of the 27th, blizzard conditions then developed over the James River Valley as strong winds increased. Conditions improved by the late afternoon of the

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27th.				