

## Storm Data and Unusual Weather Phenomena - December 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-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

12/13/22 08:00 CST	0	Heavy Snow
12/15/22 12:00 CST	0	

(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

12/15/22 12:00 CST	0	Blizzard
12/16/22 19:00 CST	0	

A Colorado Low slowly lifted towards the Upper Midwest, resulting in a multi-day heavy snow event over the Northern Plains, which included western and central North Dakota. The heaviest snow fell over parts of south-central North Dakota into the James River Valley, with some locations reporting as much as 25 inches of snow. Strong winds then developed on the second day of the episode, which continued into the third day. The winds combined with snow already on the ground, along with occasional falling snow, to produce a blizzard across all of western and central North Dakota.

(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

12/21/22 14:00 CST	0	Blizzard
12/23/22 17:00 CST	0	

Gusty winds developed in the wake of an Arctic cold front which brought frigid temperatures and dangerously cold wind chills to western and central North Dakota. These gusty winds combined with deep loose snow on the ground to produce a ground blizzard generally along and south of Highway 200.

(ND-Z001) DIVIDE, (ND-Z002) BURKE, (ND-Z009) WILLIAMS, (ND-Z010) MOUNTRAIL, (ND-Z017) MCKENZIE, (ND-Z018) DUNN, (ND-Z019) MERCER, (ND-Z020) OLIVER, (ND-Z034) MORTON

12/25/22 12:00 CST	0	Blizzard
12/25/22 18:00 CST	0	

(ND-Z031) GOLDEN VALLEY, (ND-Z032) BILLINGS, (ND-Z033) STARK, (ND-Z040) SLOPE, (ND-Z041) HETTINGER, (ND-Z043) BOWMAN, (ND-Z044) ADAMS

12/25/22 13:00 CST	0	High Wind (MAX 54 kt)
12/25/22 18:00 CST	0	

An Alberta Clipper moved through the Northern Plains resulting in high winds, from the northwest, developing over western North Dakota. The winds were strongest over much of southwest North Dakota, with the highest reported wind gust of 62 mph occurring at Beach in Golden Valley County. From northwest North Dakota into the southcentral part of the state, where more snow had fallen earlier, a blizzard developed during the mid-day and continued through the afternoon. The winds eventually subsided in the evening.