

## Storm Data and Unusual Weather Phenomena - May 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-Z017) MCKENZIE, (ND-Z031) GOLDEN VALLEY</b>				
	05/01/22 00:00 CST		0	Drought
	05/17/22 06:00 CST		0	
Drought lessened from D2 to D1 in Divide, Burke, Williams, McKenzie and Golden Valley counties by the middle of May due to continued significant precipitation. Refer to the U.S. Drought Monitor for details.				
<b>HETTINGER COUNTY --- 4.9 W MOTT [46.38, -102.42], 4.7 W MOTT [46.38, -102.42], 4.6 W MOTT [46.38, -102.42], 5.0 W MOTT [46.38, -102.42]</b>				
	05/01/22 11:00 MST	2	30K	Flood (due to Heavy Rain / Snow Melt)
	05/01/22 17:00 MST		0	Source: Law Enforcement
A married couple, both 74 years old, died after driving into the water at a low water crossing. This crossing is locally known to have water running through it during snowmelt and rain events. At the time of the attempted crossing, the water was approximately three to four feet deep over the low water crossing.				
Direct Fatalities: M74VE, F74VE				
A male and female, both 74 years old, from Arcadia, Oklahoma attempted to pass through a low water crossing on the Cannonball River near 96th Ave. SW and 71st St. SW in Hettinger County at around 1:00 PM MDT on May 1. They had crossed successfully at the same location twice the day before. This crossing is locally known to have water running through it during most snowmelt and rain events. A gauge upstream near Regent showed that the river rose approximately two feet on April 30, though still well below flood stage, so no flood warning was in effect. At the time of the attempted crossing, the water was approximately three to four feet deep over the low water crossing. Their vehicle, a 2017 Ford F-250, lost traction and went into the river. The couple placed a call to 911 after they lost control of the vehicle. The vehicle was recovered 1,600 feet to the east of the crossing, with both occupants deceased inside.				
<b>STARK COUNTY --- 5.9 NE TAYLOR [46.97, -102.35]</b>				
	05/07/22 13:25 MST		0	Hail (1.75 in)
	05/07/22 13:28 MST		0	Source: Public
<b>BURLEIGH COUNTY --- 0.7 S (BIS)BISMARCK MUNI A [46.77, -100.75]</b>				
	05/07/22 16:52 CST		0	Thunderstorm Wind (MG 56 kt)
	05/07/22 16:54 CST		0	Source: ASOS
Thunderstorms developed over western North Dakota and moved east as a surface trough passed through the area. Two storms became severe, with reports of golf ball size hail in Stark County, and 64 mph wind gusts in Burleigh County.				
<b>STUTSMAN COUNTY --- 1.4 W ELDRIDGE [46.90, -98.86]</b>				
	05/08/22 18:20 CST		0	Hail (1.00 in)
	05/08/22 18:22 CST		0	Source: Trained Spotter
<b>STUTSMAN COUNTY --- 4.3 SE STATE HOSPITAL [46.84, -98.60]</b>				
	05/08/22 19:10 CST		0	Hail (1.00 in)
	05/08/22 19:14 CST		0	Source: Public
A short-wave trough moved through southwest flow aloft leading to thunderstorm development over the James River Valley. One storm became a low-top supercell thunderstorm, which produced one-inch diameter hail over Stutsman County.				
<b>EMMONS COUNTY --- 3.8 W WESTFIELD [46.03, -100.28]</b>				
	05/12/22 03:55 CST		0	Thunderstorm Wind (EG 52 kt)
	05/12/22 03:58 CST		0	Source: Trained Spotter
A trained spotter estimated wind gusts of 60 mph.				
Thunderstorms occurred over central North Dakota during the early morning hours as a low level jet developed over the area. One storm became severe, producing estimated 60 mph wind gusts in Emmons County.				
<b>MERCER COUNTY --- 1.9 W HAZEN [47.30, -101.67]</b>				
	05/12/22 16:15 CST		0	Hail (1.00 in)
	05/12/22 16:17 CST		0	Source: Mesonet

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<b>MERCER COUNTY --- 0.5 W HAZEN [47.30, -101.64]</b>				
	05/12/22 16:18 CST		0	Hail (0.88 in)
	05/12/22 16:21 CST		0	Source: Trained Spotter
<b>MCLEAN COUNTY --- GARRISON [47.65, -101.42]</b>				
	05/12/22 16:54 CST		0	Hail (1.50 in)
	05/12/22 16:56 CST		0	Source: Public
<b>DICKEY COUNTY --- 0.7 N LUDDEN [46.01, -98.13]</b>				
	05/12/22 18:00 CST		0	Hail (0.88 in)
	05/12/22 18:02 CST		0	Source: Emergency Manager
<b>FOSTER COUNTY --- 8.5 E BORDULAC [47.40, -98.79]</b>				
	05/12/22 19:30 CST		75K	Thunderstorm Wind (EG 70 kt)
	05/12/22 19:35 CST		0	Source: Public
Trees were uprooted, and a roof was blown off a structure.				
Thunderstorms developed as a warm front lifted into central North Dakota and the James River Valley, where very strong deep layer shear and elevated instability were noted. A few storms became severe. The largest hail reported was ping pong ball size over McLean County. The strongest wind gust reported was estimated at 80 mph, which caused tree and roof damage in Foster County.				
<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>				
	05/12/22 22:00 CST		0	High Wind (MAX 56 kt)
	05/13/22 19:00 CST		0	
A low pressure system lifted through the central Dakotas and deepened as it slid northward over the Saskatchewan and Manitoba border. This created a strong pressure gradient over western and central North Dakota, which led to strong winds developing. The strongest wind gusts of 64 mph were reported at the Dickinson and Jamestown airports.				
<b>STARK COUNTY --- (DIK)DICKINSON MUNI [46.80, -102.80]</b>				
	05/13/22 18:14 MST		0	Thunderstorm Wind (MG 55 kt)
	05/13/22 18:16 MST		0	Source: ASOS
A line of thunderstorms moved through southwest North Dakota in an environment of modest instability and weak deep layer shear. One storm produced wind gusts of 63 mph at the Dickinson Airport in Stark County.				
<b>BOTTINEAU COUNTY --- 4.9 SE LANDA [48.86, -100.83], 5.1 ESE LANDA [48.86, -100.82]</b>				
	05/17/22 18:47 CST		0	Tornado (EFU, L: 0.33 mi , W: 50 yd)
	05/17/22 18:49 CST		0	Source: Trained Spotter
The tornado touched down in an open field southeast of Landa. The tornado impacted no structures and so there was no damage to evaluate. By National Weather Service policy the tornado is rated EF Unknown.				
<b>BOTTINEAU COUNTY --- 2.8 SW SOURIS [48.89, -100.71]</b>				
	05/17/22 18:57 CST		0	Hail (1.00 in)
	05/17/22 19:02 CST		0	Source: Public
<b>BOTTINEAU COUNTY --- 0.8 SSW SOURIS [48.91, -100.68]</b>				
	05/17/22 19:00 CST		0	Hail (0.88 in)
	05/17/22 19:03 CST		0	Source: Public
<b>BOTTINEAU COUNTY --- 6.9 S SOURIS [48.82, -100.67]</b>				
	05/17/22 19:13 CST		0	Hail (1.00 in)
	05/17/22 19:16 CST		0	Source: Public

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**BOTTINEAU COUNTY --- 2.8 ESE GARDENA [48.69, -100.42]**

05/17/22 20:00 CST	0	Hail (1.00 in)
05/17/22 20:03 CST	0	Source: Public

An isolated supercell thunderstorm developed over Bottineau County, producing a tornado and reported one-inch diameter hail. The tornado touched down in an open field southeast of Landa. The tornado impacted no structures and so there was no damage to evaluate, thus rated EF-Unknown.