

## Storm Data and Unusual Weather Phenomena - March 2019

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

#### (ND-Z037) STUTSMAN

03/04/19 11:00 CST	60K	Winter Weather
03/04/19 17:00 CST	0	

Winter weather over western and central North Dakota on March 4th was worst over the higher terrain of western Stutsman County, around Medina. Several inches of snow fell over much of the state, and in anticipation of this, the National Weather Service posted a Winter Weather Advisory. It was also windy with reduced visibility, especially over the higher terrain around Medina, where localized white-out conditions occurred in the early to mid afternoon. Around 1:20 PM traffic came up on a slow moving vehicle and attempted but failed to avoid an accident. As other vehicles came to a stop along the interstate they were hit from behind. At about 3:00 PM another accident occurred in this same area, about a mile away. In all eight vehicles became involved, including a parked sheriff's patrol vehicle. There were three indirect weather related injuries, and in addition, a deputy sheriff who was directing traffic narrowly escaped injury as he ran out of the way of an out of control vehicle, which brushed his leg as he ran for safety.

#### (ND-Z025) FOSTER, (ND-Z034) MORTON, (ND-Z035) BURLEIGH, (ND-Z036) KIDDER, (ND-Z037) STUTSMAN, (ND-Z041) HETTINGER, (ND-Z042) GRANT, (ND-Z043) BOWMAN, (ND-Z044) ADAMS, (ND-Z045) SIOUX, (ND-Z047) LOGAN, (ND-Z048) LA MOURE, (ND-Z050) MCINTOSH, (ND-Z051) DICKEY

03/08/19 21:00 CST	0	Heavy Snow
03/09/19 19:00 CST	0	

Deep low pressure moved through the Central Plains while a surface trough extended into the Dakotas. Heavy snow developed over southern portions of North Dakota. The highest snow report of eleven inches was north of Bismarck in Burleigh County.

#### (ND-Z023) WELLS, (ND-Z025) FOSTER, (ND-Z034) MORTON, (ND-Z035) BURLEIGH, (ND-Z036) KIDDER, (ND-Z037) STUTSMAN, (ND-Z045) SIOUX, (ND-Z047) LOGAN, (ND-Z048) LA MOURE, (ND-Z050) MCINTOSH, (ND-Z051) DICKEY

03/13/19 20:00 CST	0	Blizzard
03/14/19 15:00 CST	0	

An intense blizzard developed during the late afternoon and evening of March 13 and continued into the daytime hours of March 14. Over a foot of snow fell over parts of the James River Valley, with lesser amounts to the north and west. The snow combined with winds gusting to 60 mph to produce a widespread whiteout. Intense drifting occurred due to the strong winds, with snow drifts reaching the roof lines of houses in portions of McIntosh and Dickey counties. Travel was halted for many days over some parts of the James River Valley, and Interstate 94 was closed in the early morning of March 14 and not opened until the afternoon of March 15th, east of Bismarck. Some rural residents were isolated for several days until road crews could plow paths. In Sioux County, road crews had to go through a pasture to access one resident, as some drifts on the main road were nine feet deep.

#### MCKENZIE COUNTY --- 8.3 NE FAIRVIEW [47.95, -103.93], 3.5 E FAIRVIEW [47.85, -103.95], 7.3 S FAIRVIEW [47.74, -104.04], 0.6 WSW FAIRVIEW [47.85, -104.04], 8.1 N FAIRVIEW [47.97, -104.02]

03/21/19 12:00 MST	4M	Flood (due to Ice Jam)
03/28/19 12:00 MST	0	Source: Emergency Manager

Significant ice jam related high waters created flooding along the Yellowstone River through McKenzie County in northwest North Dakota from March 21 to March 28. Homes and infrastructure that had not been inundated in over a generation were impacted. In addition, farm equipment was either damaged or destroyed by the flood waters. A portion of Highway 200 between Cartwright, North Dakota and Fairview, Montana, which is a major route through the region, was closed due to deep water over the highway.

Significant ice jam related high waters created flooding along the Yellowstone River in northwest North Dakota from March 21 to March 28. During this time, homes and infrastructure that had not been inundated in over a generation were impacted. Damages to homes included eight destroyed, 12 with major damage, one with minor damage, four considered affected, and another four were inaccessible. In addition, multiple pieces of farm equipment were either damaged or destroyed by the flood waters. Also, a portion of Highway 200 between Cartwright, North Dakota and Fairview, Montana, which is a major route through the region, was closed due to deep water over the highway.

#### MORTON COUNTY --- 4.7 WNW MANDAN [46.84, -101.00], 3.9 SSE SWEET BRIAR [46.78, -101.14], 7.1 SE SWEET BRIAR [46.75, -101.08], 4.0 W MANDAN [46.82, -100.98], 1.8 SE MANDAN [46.81, -100.88], 2.2 E MANDAN MUNI ARPT [46.77, -100.85], 3.0 ENE MANDAN MUNI ARPT [46.78, -100.84], 1.7 ESE MANDAN [46.83, -100.86]

03/22/19 12:00 CST	25K	Flood (due to Ice Jam)
03/24/19 12:00 CST	45K	Source: Emergency Manager

Ice jam related high water created flooding along the Heart River in the Mandan area of Morton County from March 22 to March 26. Most flood damages were to agriculture. Four sheep were lost and a home was damaged.

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Ice jam related high water created flooding along the Heart River in the Mandan area of Morton County from March 22 to March 26. Most flood damages were limited to agriculture with over 1,000 large round bales of hay destroyed and four sheep lost, but there was also one home damaged.