

Storm Data and Unusual Weather Phenomena - June 2011

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

DUNN COUNTY --- 62.6 WNW KILLDEER [47.75, -103.99], 23.2 N WERNER [47.70, -102.38], 58.8 N WERNER [48.21, -102.27], 79.5 NW KILLDEER [48.17, -104.00]	06/01/11 00:00 MST	0	0	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 MST	0	0	Source: Other Federal Agency

See the event episode narrative for details.

MCKENZIE COUNTY --- 7.2 SSE FAIRVIEW [47.75, -103.99], 14.0 E MANDAREE [47.70, -102.38], 29.3 ENE CHARLSON [48.21, -102.27], 22.1 N FAIRVIEW [48.17, -104.00]	06/01/11 00:00 MST	0	0	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 MST	0	0	Source: Other Federal Agency

See the event episode narrative for details.

MOUNTRAIL COUNTY --- 67.7 WSW SANISH [47.75, -103.99], 19.7 SW PARSHALL ARPT [47.70, -102.38], 3.9 NE BELDEN ARPT [48.21, -102.27], 58.4 WSW WHITE EARTH [48.17, -104.00]	06/01/11 00:00 CST	0	0	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST	0	0	Source: Other Federal Agency

See the event episode narrative for details.

WILLIAMS COUNTY --- 17.3 S BUFORD [47.75, -103.99], 54.6 SSE TIOGA [47.70, -102.38], 33.0 ESE TIOGA [48.21, -102.27], 9.8 NW TRENTON [48.17, -104.00]	06/01/11 00:00 CST	0	0	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST	0	0	Source: Other Federal Agency

See the event episode narrative for details.

This was part of historic flooding in North Dakota with statewide costs estimated around 1.5 billion dollars. Flooding was the result of significant winter snows and significant spring rains, not only in North Dakota but in Montana as well. Rocky Mountain snowpack was four to six times normal. Flooding was along the Missouri River from the Montana border to Garrison Dam. Dams were overwhelmed by the amount of water. Flooding included river, ground, and overland types. Oil wells were shuttered. Estimated damages were around \$400,000 and that is not all inclusive. There was a significant loss to agriculture by not being able to plant. A tremendous flood fight was waged against the river, and that cost is not included here. Storm Data cannot reflect the scope of this event. Information is what was available at the time of this writing. Refer to newspaper articles and other federal, state, and local sources for detailed information.

Here are some facts about the flooding in North Dakota provided by North Dakota Emergency Management. The total estimated flood cost was around \$1.5 billion. Individual and housing assistance was \$323 million; small business \$248 million; home and business reconstruction \$452 million; public response, recovery, and mitigation \$480 million; disaster unemployment for 866 claims was \$2.3 million; and the public finance authority disaster loan program approved \$56.6 million. Public infrastructure costs were \$320 million. Of the state's 53 counties, 48 were impacted, along with three tribal nations.

The Missouri River was in flood in every state in the United States of America that it runs through. This was a multi-state disaster.

BOTTINEAU COUNTY --- 44.5 W ANTLER [48.98, -102.25], 36.1 SSW LANSFORD [48.18, -101.77], 29.1 S WILLOW CITY [48.18, -100.34], 3.5 WSW WILLOW CITY [48.58, -100.35], 4.9 N LANDA [48.97, -100.90]	06/01/11 00:00 CST	0	0	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST	0	0	Source: Other Federal Agency

See the event episode narrative for details.

MCHENRY COUNTY --- 67.8 NW DEERING [48.98, -102.25], 36.4 WSW DEERING [48.18, -101.77], 12.1 SSE TOWNER [48.18, -100.34], 12.7 ENE BANTRY [48.58, -100.35], 28.2 NNW UPHAM [48.97, -100.90]	06/01/11 00:00 CST	0	0	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST	0	0	Source: Other Federal Agency

See the event episode narrative for details.

RENVILLE COUNTY --- 26.1 NW TOLLEY [48.98, -102.25], 31.6 SSW GRANO [48.18, -101.77], 46.7 ESE GLENBURN [48.18, -100.34], 40.0 E GLENBURN [48.58, -100.35], 30.3 ENE LORAIN [48.97, -100.90]				
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	06/01/11 00:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST		0	Source: Other Federal Agency

See the event episode narrative for details.

WARD COUNTY --- 20.8 N NIOBE [48.98, -102.25], 9.8 S BERTHOLD [48.18, -101.77], 33.5 ENE SAWYER [48.18, -100.34], 36.4 ENE WOLSETH [48.58, -100.35], 37.3 NNE WOLSETH [48.97, -100.90]

	06/01/11 00:00 CST		0	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST		0	Source: Other Federal Agency

See the event episode narrative for details. Specified here for Ward County is that nearly 25 percent of the homes in Burlington, Minot, a major city in North Dakota, Logan, and Sawyer were impacted by the flooding. Many were impacted beyond repair. This flood was particularly devastating for these communities. The worst of the flood waters was from around the 20th of the month to around the 30th.

This was part of historic flooding in North Dakota with statewide costs estimated around 1.5 billion dollars. Flooding was the result of significant winter snows and significant spring rains, not only in North Dakota but in Saskatchewan, Canada, as well. Flooding was along the Souris (Mouse) River from where it enters the United States from Saskatchewan, Canada, to where it crosses into Manitoba, Canada. Dams were overwhelmed by the amount of water. Flooding included river, ground, and overland types. Estimated damages were many hundreds of millions of dollars, and that is not all inclusive. There was a significant loss to agriculture by not being able to plant. A tremendous flood fight was waged against the river, and that cost is not included here. Storm Data cannot reflect the scope of this event. Information is what was available at the time of this writing. Refer to newspaper articles and other federal, state, and local sources for detailed information.

Here are some facts about the flooding in North Dakota provided by North Dakota Emergency Management. The total estimated flood cost was around \$1.5 billion. Individual and housing assistance was \$323 million; small business \$248 million; home and business reconstruction \$452 million; public response, recovery, and mitigation \$480 million; disaster unemployment for 866 claims was \$2.3 million; and the public finance authority disaster loan program approved \$56.6 million. Public infrastructure costs were \$320 million. Of the state's 53 counties, 48 were impacted, along with three tribal nations.

BURLEIGH COUNTY --- 36.6 WNW WILTON [47.43, -101.48], 28.3 N WILTON [47.58, -100.78], 47.2 S MOFFIT [46.00, -100.37], 50.4 SSW MOFFIT [46.02, -100.73]

	06/02/11 00:00 CST		20M	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST		0	Source: Other Federal Agency

See the event episode narrative for details.

MCLEAN COUNTY --- 6.8 SW RIVERDALE [47.43, -101.48], 6.9 NE TURTLE LAKE [47.58, -100.78], 83.1 SSE WILTON [46.00, -100.37], 79.5 S WILTON [46.02, -100.73]

	06/02/11 00:00 CST		5M	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST		0	Source: Other Federal Agency

See the event episode narrative for details.

MERCER COUNTY --- 6.2 S PICK CITY [47.43, -101.48], 32.4 E PICK CITY [47.58, -100.78], 103.0 SSE STANTON [46.00, -100.37], 26.6 SSE BREIEN [46.02, -100.73]

	06/02/11 00:00 CST		0.50M	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST		0	Source: Other Federal Agency

See the event episode narrative for details.

MORTON COUNTY --- 40.2 N NEW SALEM [47.43, -101.48], 52.1 N MANDAN [47.58, -100.78], 37.3 SSE FT RICE [46.00, -100.37], 26.6 SSE BREIEN [46.02, -100.73]

	06/02/11 00:00 CST		10M	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST		0	Source: Other Federal Agency

See the event episode narrative for details.

OLIVER COUNTY --- 17.5 NW FT CLARK [47.43, -101.48], 26.8 NNE HENSLER [47.58, -100.78], 79.5 SSE PRICE [46.00, -100.37], 74.0 S PRICE [46.02, -100.73]

	06/02/11 00:00 CST		0.50M	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 CST		0	Source: Other Federal Agency

See the event episode narrative for details.

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
SIOUX COUNTY --- 78.7 NNW SOLEN [47.43, -101.48], 82.2 N SOLEN [47.58, -100.78], 13.6 ESE FT YATES [46.00, -100.37], 6.3 SW FT YATES [46.02, -100.73]				
	06/02/11 00:00 MST		0.25M	Flood (due to Heavy Rain / Snow Melt)
	06/30/11 23:59 MST		0	Source: Other Federal Agency
See the event episode narrative for details.				
<p>This was part of historic flooding in North Dakota with statewide costs estimated around 1.5 billion dollars. Flooding was the result of significant winter snows and significant spring rains, not only in North Dakota but in Montana as well. Rocky Mountain snowpack was four to six times normal. Flooding was along the Missouri River from the Garrison Dam to the South Dakota border. Dams were overwhelmed by the amount of water. Flooding included river, ground, and overland types. Estimated damages were in the hundreds of millions of dollars and that is not all inclusive. There was a significant loss to agriculture by not being able to plant. A tremendous flood fight was waged against the river, and that cost is not included here. Storm Data cannot reflect the scope of this event. Information is what was available at the time of this writing. Refer to newspaper articles and other federal, state, and local sources for detailed information.</p> <p>Here are some facts about the flooding in North Dakota provided by North Dakota Emergency Management. The total estimated flood cost was around \$1.5 billion. Individual and housing assistance was \$323 million; small business \$248 million; home and business reconstruction \$452 million; public response, recovery, and mitigation \$480 million; disaster unemployment for 866 claims was \$2.3 million; and the public finance authority disaster loan program approved \$56.6 million. Public infrastructure costs were \$320 million. Of the state's 53 counties, 48 were impacted, along with three tribal nations.</p> <p>The Missouri River was in flood in every state in the United States of America that it runs through. This was a multi-state disaster.</p>				
RENVILLE COUNTY --- 10.5 W SHERWOOD [48.96, -101.85]				
	06/02/11 07:32 CST		0	Hail (0.88 in)
	06/02/11 07:35 CST		0	Source: Public
A strong thunderstorm produced nickel sized hail over Renville County in the morning.				
GRANT COUNTY --- 21.6 S LEITH [46.04, -101.57]				
	06/02/11 18:30 MST		0	Hail (0.88 in)
	06/02/11 18:33 MST		0	Source: Public
SIOUX COUNTY --- 24.0 W SELFRIDGE [46.04, -101.43]				
	06/02/11 18:49 MST		0	Hail (0.75 in)
	06/02/11 18:53 MST		0	Source: Public
BOTTINEAU COUNTY --- 0.8 SSW KRAMER [48.69, -100.71]				
	06/02/11 19:57 CST		0	Hail (1.50 in)
	06/02/11 20:03 CST		0	Source: Public
BOTTINEAU COUNTY --- 0.5 W BOTTINEAU [48.83, -100.44]				
	06/02/11 19:59 CST		0	Hail (0.88 in)
	06/02/11 20:07 CST		0	Source: Public
BOTTINEAU COUNTY --- 4.2 S BOTTINEAU [48.77, -100.44]				
	06/02/11 20:28 CST		0	Heavy Rain
	06/02/11 20:43 CST		0	Source: Public
A rainfall amount of 8 tenths of an inch was reported in fifteen minutes.				
BOTTINEAU COUNTY --- 4.9 N BOTTINEAU [48.90, -100.44]				
	06/02/11 20:28 CST		0	Hail (0.75 in)
	06/02/11 20:35 CST		0	Source: Broadcast Media
BOTTINEAU COUNTY --- 0.5 W BOTTINEAU [48.83, -100.44]				
	06/02/11 20:41 CST		0	Heavy Rain
	06/02/11 21:11 CST		0	Source: Public

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A rainfall total of one inch was reported in just over 20 minutes.				
BOTTINEAU COUNTY --- 4.2 S BOTTINEAU [48.77, -100.44]				
	06/02/11 20:43 CST		0	Hail (0.88 in)
	06/02/11 20:50 CST		0	Source: Public
BOTTINEAU COUNTY --- 2.7 E BOTTINEAU ARPT [48.83, -100.36]				
	06/02/11 20:46 CST		0	Hail (0.88 in)
	06/02/11 20:49 CST		0	Source: Broadcast Media
BOTTINEAU COUNTY --- 2.6 WSW BOTTINEAU [48.81, -100.48]				
	06/02/11 20:55 CST		0	Hail (1.75 in)
	06/02/11 21:01 CST		0	Source: Newspaper
BOTTINEAU COUNTY --- 3.3 NNE OMEMEE [48.74, -100.31]				
	06/02/11 21:00 CST		0	Hail (0.75 in)
	06/02/11 21:06 CST		0	Source: Public
BOTTINEAU COUNTY --- 4.1 NNE BOTTINEAU ARPT [48.88, -100.37]				
	06/02/11 21:00 CST		0	Hail (1.25 in)
	06/02/11 21:08 CST		0	Source: Public
EMMONS COUNTY --- 1.6 WNW LINTON MUNI ARPT [46.23, -100.26]				
	06/02/11 23:35 CST		0.10M	Thunderstorm Wind (MG 82 kt)
	06/02/11 23:42 CST		0	Source: AWOS
One hanger and two planes were destroyed at the Linton Airport.				
EMMONS COUNTY --- LINTON [46.27, -100.23]				
	06/02/11 23:37 CST		35K	Thunderstorm Wind (EG 83 kt)
	06/02/11 23:45 CST		0	Source: Newspaper
Tree and some minor structure damage was reported in Linton.				
EMMONS COUNTY --- 6.2 S KINTYRE [46.46, -99.95]				
	06/02/11 23:50 CST		0.35M	Thunderstorm Wind (EG 87 kt)
	06/02/11 23:57 CST		0	Source: Newspaper
Strong thunderstorm winds resulted in a pole barn being destroyed and a stock trailer rolled approximately 200 feet. Also on the farmstead, a garage roof was ripped off, a well house was totaled, a grain bin blown over, and windows were blown out of vehicles.				
EMMONS COUNTY --- KINTYRE [46.55, -99.95]				
	06/02/11 23:52 CST		0.13M	Thunderstorm Wind (EG 78 kt)
	06/03/11 00:01 CST		0	Source: Newspaper
Strong thunderstorm winds resulted in a historic barn destroyed near Kintyre.				
EMMONS COUNTY --- KINTYRE [46.55, -99.95]				
	06/02/11 23:53 CST		0.20M	Thunderstorm Wind (EG 78 kt)
	06/03/11 00:01 CST		0	Source: Newspaper
Strong thunderstorm winds resulted in a storage shelter destroyed at the Kintyre Centennial Park. Also damaged was a 50,000 bushel bin at the South Central Grain elevator in Kintyre.				
EMMONS COUNTY --- 0.5 E STRASBURG [46.13, -100.16]				
	06/03/11 00:00 CST		0	Hail (0.88 in)
	06/03/11 00:10 CST		0	Source: Public
LOGAN COUNTY --- NAPOLEON [46.50, -99.77]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/03/11 00:30 CST		20K	Thunderstorm Wind (EG 74 kt)
	06/03/11 00:40 CST		0	Source: Newspaper
Very strong thunderstorm winds resulted in a cattle trailer being blown over in Napoleon.				
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STUTSMAN COUNTY --- 0.7 N MEDINA [46.89, -99.30]				
	06/03/11 00:40 CST		0	Thunderstorm Wind (EG 52 kt)
	06/03/11 00:50 CST		0	Source: Public
A public report relayed by North Dakota State radio.				
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FOSTER COUNTY --- CARRINGTON [47.45, -99.13]				
	06/03/11 01:25 CST		0	Thunderstorm Wind (EG 52 kt)
	06/03/11 01:35 CST		0	Source: Public
A public report relayed by North Dakota State radio.				
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FOSTER COUNTY --- CARRINGTON [47.45, -99.13]				
	06/03/11 01:35 CST		50K	Thunderstorm Wind (MG 68 kt)
	06/03/11 01:45 CST		0	Source: AWOS
The strong winds resulted in downed trees and power lines in Carrington.				
<p>A mid level short wave impulse ejecting northeast across the Northern High Plains, combined with an eastward advecting cold front and favorable instability parameters to create an environment supportive for severe thunderstorms. Severe Thunderstorm Watch number 421 was issued for south central North Dakota early in the evening of June 2nd, and was then followed up with Severe Thunderstorm Watch number 422 early in the morning of June 3rd for ongoing storms producing strong winds.</p> <p>Multiple severe thunderstorm warnings, one tornado warning, and one flash flood warning were issued during this episode. Numerous reports of large hail, several reports of severe thunderstorm wind gusts, and two reports of brief but very heavy rain were received. Thunderstorm winds were most intense across portions of Emmons and Logan Counties, where estimated winds up to 100 mph caused damage to several farmsteads and local communities.</p>				
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STARK COUNTY --- 0.8 W RICHARDTON [46.88, -102.34], 0.6 W RICHARDTON [46.88, -102.33]				
	06/07/11 15:24 MST		10K	Tornado (EF0, L: 0.25 mi , W: 30 yd)
	06/07/11 15:27 MST		0	Source: Public
The National Weather Service spoke to an eye witness who described this tornado. This tornado touched down briefly on the north side of Interstate 94 southwest of Richardton, lifting immediately after tearing part of a roof off of an outbuilding on a farm. This was the only damage attributed to this tornado, with no injuries or fatalities. Based on the damage description, this tornado was indicative of a strong EF0 tornado on the Enhanced Fujita Scale, with peak winds of 85 miles per hour.				
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STARK COUNTY --- 3.7 NNE ANTELOPE [46.90, -102.17]				
	06/07/11 15:40 MST		0	Hail (1.00 in)
	06/07/11 15:45 MST		0	Source: Public
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WARD COUNTY --- 2.0 ESE CARPIO [48.44, -101.71]				
	06/07/11 16:00 CST		0	Hail (0.88 in)
	06/07/11 16:02 CST		0	Source: Broadcast Media
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MORTON COUNTY --- 0.5 W HEBRON [46.90, -102.04]				
	06/07/11 16:46 CST		0	Thunderstorm Wind (EG 60 kt)
	06/07/11 16:51 CST		0	Source: Trained Spotter
Winds were strong enough to spin a truck around.				
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MORTON COUNTY --- 6.0 NNE GLEN ULLIN [46.90, -101.78]				
	06/07/11 17:06 CST		0	Hail (1.75 in)
	06/07/11 17:11 CST		0	Source: Public
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MORTON COUNTY --- 4.8 NW NEW SALEM [46.90, -101.49]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/07/11 17:40 CST		0	Hail (1.00 in)
	06/07/11 17:50 CST		0	Source: Public
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MORTON COUNTY --- 5.0 NW NEW SALEM [46.90, -101.49]				
	06/07/11 17:40 CST		0	Hail (1.00 in)
	06/07/11 17:50 CST		0	Source: Public
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BURLEIGH COUNTY --- 9.4 ESE MOFFIT [46.64, -100.09]				
	06/07/11 17:54 CST		0	Hail (2.00 in)
	06/07/11 18:02 CST		0	Source: Public
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<p>Severe Thunderstorm Watch number 437 was issued during the mid afternoon of June 7th as scattered thunderstorms started to intensify under a pocket of cold air aloft. Enhanced forcing for large scale ascent was also increasing over the watch area near the exit region of an upper level jet.</p> <p>Three severe thunderstorm warnings and two tornado warnings were issued. Several reports of large hail, one report of a severe thunderstorm wind gust, and one confirmed tornado occurred during this event.</p>				
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HETTINGER COUNTY --- 4.5 SW MOTT MUNI ARPT [46.30, -102.39], 4.4 SW MOTT MUNI ARPT [46.30, -102.39]				
	06/12/11 17:25 MST		0	Tornado (EF0, L: 0.10 mi , W: 20 yd)
	06/12/11 17:27 MST		5K	Source: COOP Observer
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<p>The observer reported a tornado briefly touched down in his farm fields and destroyed crops. No other damage, injuries, or fatalities occurred with this tornado. Based on the report, this was a weak EF0 tornado on the Enhanced Fujita Scale, with winds of 70 miles per hour.</p>				
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GRANT COUNTY --- ELGIN [46.40, -101.85]				
	06/12/11 17:55 MST		0	Hail (0.75 in)
	06/12/11 17:57 MST		0	Source: Trained Spotter
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GRANT COUNTY --- ELGIN [46.40, -101.85]				
	06/12/11 17:55 MST		0	Hail (1.00 in)
	06/12/11 17:57 MST		0	Source: Trained Spotter
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HETTINGER COUNTY --- 1.2 NW NEW ENGLAND [46.54, -102.87]				
	06/12/11 18:25 MST		0	Hail (1.00 in)
	06/12/11 18:30 MST		0	Source: COOP Observer
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MORTON COUNTY --- GLEN ULLIN [46.82, -101.83]				
	06/12/11 18:34 CST		0	Hail (1.75 in)
	06/12/11 18:40 CST		0	Source: Trained Spotter
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MORTON COUNTY --- 5.7 E SWEET BRIAR [46.83, -101.06]				
	06/12/11 19:02 CST		0	Hail (0.88 in)
	06/12/11 19:08 CST		0	Source: Trained Spotter
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MORTON COUNTY --- 5.1 ENE SWEET BRIAR [46.87, -101.09]				
	06/12/11 19:07 CST		0	Hail (1.75 in)
	06/12/11 19:14 CST		0	Source: COOP Observer
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GRANT COUNTY --- 6.2 SSE NEW LEIPZIG [46.28, -101.92], 3.7 S ELGIN MUNI ARPT [46.35, -101.83]				
	06/12/11 19:15 MST		0.20M	Tornado (EF2, L: 6.00 mi , W: 800 yd)
	06/12/11 19:22 MST		50K	Source: NWS Storm Survey

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>A National Weather Service storm survey confirmed that an EF2 tornado on the Enhanced Fujita Scale touched down eight miles south-southwest of Elgin, then moved northeast before lifting 3 miles south-southeast of Elgin. No fewer than four farmsteads were damaged along the path of the tornado. The worst damage occurred six miles south-southwest of Elgin, where the tornado was nearly one half of a mile wide, damaging every building on a farmstead and completely destroying the smaller buildings. Damage also occurred to trees, vehicles, and power poles. The damage surveyed corresponded to EF2 on the Enhanced Fujita Scale. From that it was determined that wind speeds were on the order of around 120 miles per hour.</p>				

Farther north-northeast, three other farmsteads sustained tornado damage. Damage on the first two farmsteads north-northeast of the worst damage was consistent with an EF1 tornado. The farthest north farmstead had damage consistent with an EF0 tornado.

There were no injuries or fatalities with this tornado.

STARK COUNTY --- 4.8 SW RICHARDTON [46.83, -102.39]

06/12/11 19:18 MST		0		Funnel Cloud
06/12/11 19:19 MST		0		Source: Emergency Manager

This report was relayed by the Stark County Emergency Manager from a public report of a brief appearance of a funnel cloud.

STARK COUNTY --- RICHARDTON [46.88, -102.32]

06/12/11 19:27 MST		0		Funnel Cloud
06/12/11 19:28 MST		0		Source: Law Enforcement

A funnel cloud briefly formed near Richardton.

MORTON COUNTY --- 0.5 E NEW SALEM [46.85, -101.41]

06/12/11 19:29 CST		0		Hail (1.00 in)
06/12/11 19:35 CST		0		Source: COOP Observer

Heavy rain accompanied the large hail.

MORTON COUNTY --- 1.9 E SWEET BRIAR [46.83, -101.14]

06/12/11 19:29 CST		0		Hail (0.75 in)
06/12/11 19:34 CST		0		Source: COOP Observer

GRANT COUNTY --- 6.4 NNW CARSON [46.51, -101.60]

06/12/11 19:37 MST		0		Thunderstorm Wind (EG 52 kt)
06/12/11 19:44 MST		0		Source: Law Enforcement

The Grant County Sheriff estimated strong thunderstorm winds up to 60 miles per hour.

MORTON COUNTY --- 8.3 N JUDSON [46.95, -101.26], 8.7 N JUDSON [46.96, -101.25]

06/12/11 19:45 CST		0		Tornado (EF0, L: 0.48 mi , W: 25 yd)
06/12/11 19:49 CST		0		Source: Public

This tornado briefly touched down in the open country. No reports of damage, injuries, or fatalities occurred with this tornado. Based on the report, this was a weak EF0 tornado on the Enhanced Fujita Scale, with winds of 70 miles per hour.

GRANT COUNTY --- 5.0 N ELGIN [46.47, -101.85], 6.3 N ELGIN [46.49, -101.85], 6.2 N ELGIN MUNI ARPT [46.49, -101.83], 5.0 N ELGIN MUNI ARPT [46.47, -101.82]

06/12/11 20:00 MST		75K		Flash Flood (due to Heavy Rain)
06/12/11 23:00 MST		0		Source: NWS Storm Survey

Very heavy rainfall contributed to flash flooding along Antelope Creek near North Dakota Highway 49. A storm survey crew observed high water marks near the top of barbed wire fences in this area. The Carson Press newspaper reported damage was sustained to rural roads north of Elgin.

GRANT COUNTY --- NEW LEIPZIG [46.37, -101.95], 1.0 NNW NEW LEIPZIG [46.38, -101.96], 1.2 NNE NEW LEIPZIG [46.38, -101.94], 1.0 E NEW LEIPZIG [46.37, -101.93]

06/12/11 20:00 MST		50K		Flash Flood (due to Heavy Rain)
06/12/11 23:00 MST		0		Source: Newspaper

Very heavy rainfall contributed to flash flooding in and around New Leipzig. Streets quickly became flooded, and sewage backup was reported in basements.

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MORTON COUNTY --- 4.0 NNW JUDSON [46.89, -101.30], 4.1 NNW JUDSON [46.89, -101.30]				
	06/12/11 20:00 CST		0	Tornado (EF0, L: 0.13 mi , W: 25 yd)
	06/12/11 20:02 CST		0	Source: Trained Spotter
<p>Spotters reported a brief tornado touchdown in open country northwest of Sweet Briar Lake. No reports of damage, injuries, or fatalities occurred with this tornado. Based on the report, this was a weak EF0 tornado on the Enhanced Fujita Scale, with winds of 70 miles per hour.</p>				
MORTON COUNTY --- 3.5 SE HEBRON [46.87, -101.97], 3.0 N GLEN ULLIN [46.86, -101.83], 1.0 N GLEN ULLIN [46.83, -101.83], 5.2 SE HEBRON [46.85, -101.94]				
	06/12/11 20:30 CST		40K	Flash Flood (due to Heavy Rain)
	06/12/11 22:00 CST		0	Source: Emergency Manager
<p>Over one foot of water was over both the west and east bound lanes of Interstate 94 near mile marker 106. A three car accident was attributed to the flash flooding from the heavy rain. No injuries were reported. There was also flash flooding of other low water crossing area along the interstate in western Morton County. A report of 2.33 inches of rain in less than two hours was received from the Glen Ullin area.</p>				
MORTON COUNTY --- 7.7 SSW ALMONT [46.63, -101.57]				
	06/12/11 20:34 CST		0	Thunderstorm Wind (EG 52 kt)
	06/12/11 20:34 CST		0	Source: Law Enforcement
Delete.				
MORTON COUNTY --- 4.1 NNW FLASHER [46.50, -101.27]				
	06/12/11 20:43 CST		0	Thunderstorm Wind (EG 52 kt)
	06/12/11 20:48 CST		0	Source: Public
<p>Estimated thunderstorm winds of 60 miles per hour were reported northwest of Flasher.</p>				
MORTON COUNTY --- 5.5 S ALMONT [46.65, -101.50]				
	06/12/11 20:48 CST		0	Funnel Cloud
	06/12/11 20:48 CST		0	Source: Public
MORTON COUNTY --- 4.0 E NEW SALEM [46.85, -101.34], 9.0 E NEW SALEM [46.85, -101.23]				
	06/12/11 20:50 CST		45K	Thunderstorm Wind (EG 74 kt)
	06/12/11 21:10 CST		0	Source: NWS Storm Survey
<p>Strong thunderstorm winds up to 85 miles per hour resulted in a path of damage east of New Salem. Two outbuildings on a farmstead had roofs blown off, and one had walls collapsed. Damage was indicative of strong straight line winds, with all debris blown to the northeast.</p>				
BURLEIGH COUNTY --- 3.5 N BISMARCK [46.85, -100.78]				
	06/12/11 21:20 CST		0	Thunderstorm Wind (EG 61 kt)
	06/12/11 21:30 CST		0	Source: Broadcast Media
<p>Strong thunderstorm winds estimated at 70 miles per hour were reported in central Bismarck.</p>				
MORTON COUNTY --- 0.5 E MANDAN [46.83, -100.89]				
	06/12/11 21:20 CST		0	Heavy Rain
	06/12/11 21:45 CST		0	Source: Trained Spotter
<p>A report of 1.10 inches of heavy rain in 25 minutes.</p>				
OLIVER COUNTY --- CENTER [47.12, -101.30], 13.6 S CENTER [46.92, -101.31], 11.4 S PRICE [46.92, -100.95], 0.7 SW SANGER [47.17, -101.01]				
	06/12/11 22:15 CST		20K	Flash Flood (due to Heavy Rain)
	06/13/11 01:00 CST		0	Source: Mesonet
<p>Heavy rainfall of over three inches resulted in widespread flash flooding over eastern Oliver County as confirmed by emergency management. Low water crossings were flooded with damage to gravel roads and culverts.</p> <p>A strong short wave trough ejecting into the Northern Plains, coupled with increasing large scale ascent ahead of an upper level jet streak, brought widespread severe weather to much of southwest and south central North Dakota during the evening hours of June 12th. Favorable low level vertical wind shear increased the threat for supercellular storms and isolated tornados. Tornado Watch number 468 was initially issued during the mid afternoon for far southwest North Dakota, followed by Tornado Watch number 469 issued</p>				

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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in the early evening for all of west and central North Dakota.

Numerous severe thunderstorm warnings, several tornado warnings, and several flood and flash flood warnings were issued during this event. Numerous reports of large hail, several reports of severe thunderstorm wind gusts, several reports of flash flooding, and four confirmed tornadoes, including one EF2 tornado, occurred during this event.

GRANT COUNTY --- CARSON [46.42, -101.57]

	06/14/11 05:55 MST	0	Hail (1.00 in)
	06/14/11 05:58 MST	0	Source: Public

GRANT COUNTY --- 6.0 S RALEIGH [46.28, -101.30]

	06/14/11 06:13 MST	0	Hail (1.00 in)
	06/14/11 06:15 MST	0	Source: Mesonet

Prairie Learning Center staff reported this hail.

Isolated thunderstorms developed in the early morning hours of June 14 and moved north northeast. They were marginally severe with a maximum of one inch hail reported.

EMMONS COUNTY --- 4.5 NW HAZELTON [46.53, -100.34]

	06/14/11 09:21 CST	0	Heavy Rain
	06/14/11 09:41 CST	0	Source: COOP Observer

A report of 1.83 inches of rain in 20 minutes was received.

STUTSMAN COUNTY --- 0.7 N STREETER [46.66, -99.35]

	06/14/11 10:00 CST	0	Heavy Rain
	06/14/11 12:00 CST	0	Source: COOP Observer

A report of 2.63 inches of rain over a two hour period was received.

LA MOURE COUNTY --- 3.9 E GRAND RAPIDS [46.46, -98.29]

	06/14/11 14:19 CST	0	Hail (0.75 in)
	06/14/11 14:19 CST	0	Source: Public

A slow moving upper level storm system brought a prolonged period of moderate to heavy rain across south central and southeastern North Dakota during the morning and afternoon of June 14th. Heavy rain of over two inches falling on already saturated soils resulted in flooding over many areas.

Three flash flood warnings were issued for this event.

(ND-Z001) DIVIDE, (ND-Z009) WILLIAMS

	06/17/11 15:56 CST	0	High Wind (MAX 55 kt)
	06/17/11 20:00 CST	0	

Strong low pressure in southern Saskatchewan resulted in wind gusts in excess of 60 miles per hour over far northwest North Dakota June 17th.

LA MOURE COUNTY --- 2.0 WNW LA MOURE [46.36, -98.34]

	06/17/11 15:58 CST	0	Funnel Cloud
	06/17/11 16:01 CST	0	Source: Trained Spotter

LA MOURE COUNTY --- 1.7 NE LA MOURE [46.37, -98.28]

	06/17/11 16:19 CST	0	Funnel Cloud
	06/17/11 16:19 CST	0	Source: Trained Spotter

Thunderstorms forming along and just ahead of a weak surface cold front, combined with increasing ascent associated with a short wave impulse moving into western North Dakota, prompted the Storm Prediction Center to issue Tornado Watch number 493 for portions of southeastern North Dakota. Low level veering wind profiles combined with a moist low level boundary layer to increase the threat for discrete storms and the potential for tornadoes.

One tornado warning was issued during this event, with two reports of funnel clouds received.

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MERCER COUNTY --- 15.3 S BEULAH [47.05, -101.82]				
	06/18/11 15:50 CST		0	Heavy Rain
	06/18/11 16:50 CST		0	Source: Trained Spotter
A heavy rainfall report of 2.70 inches in one hour was received.				
MORTON COUNTY --- 0.5 W MANDAN [46.83, -100.91]				
	06/18/11 18:59 CST		0	Hail (1.00 in)
	06/18/11 19:06 CST		0	Source: Law Enforcement
MORTON COUNTY --- 0.5 E MANDAN [46.83, -100.89]				
	06/18/11 19:13 CST		0	Hail (0.88 in)
	06/18/11 19:17 CST		0	Source: Law Enforcement
Slow moving thunderstorms moving to the northeast over south central North Dakota resulted in one report of very heavy rain and two reports of large hail.				
MOUNTRAIL COUNTY --- 1.7 NW PLAZA [48.05, -101.99]				
	06/19/11 15:45 CST		0	Heavy Rain
	06/19/11 16:45 CST		0	Source: Mesonet
A very heavy rainfall report of 4.50 inches in one hour was reported.				
MOUNTRAIL COUNTY --- 6.7 NNW PLAZA [48.12, -102.01], 8.0 NNE PLAZA [48.13, -101.88], 3.6 E PRAIRIE JCT [48.02, -101.89], 1.2 WNW PRAIRIE JCT [48.02, -101.99]				
	06/19/11 17:00 CST		0.10M	Flash Flood (due to Heavy Rain)
	06/19/11 23:00 CST		0	Source: Mesonet
Heavy rainfall in excess of four inches in one hour resulted in flash flood conditions near and north of Plaza. Area roads were reported to be flooded.				
GOLDEN VALLEY COUNTY --- 2.4 SW GOLVA [46.71, -104.02]				
	06/19/11 17:34 MST		0	Funnel Cloud
	06/19/11 17:34 MST		0	Source: Public
Slow moving heavy showers and thunderstorms resulted in flash flooding conditions over portions of north central North Dakota during the late afternoon and evening of June 19th. One funnel cloud report over far west central North Dakota was also received.				
FOSTER COUNTY --- 1.7 SW BORDULAC [47.36, -98.99]				
	06/20/11 04:00 CST		0	Heavy Rain
	06/20/11 08:00 CST		0	Source: Mesonet
A heavy rainfall report of 4.22 inches was received.				
FOSTER COUNTY --- 3.6 W MELVILLE [47.33, -99.11], 9.2 ESE BORDULAC [47.33, -98.79], 6.8 ENE BORDULAC [47.43, -98.84], 3.0 ESE CARRINGTON [47.43, -99.07]				
	06/20/11 06:00 CST		50K	Flash Flood (due to Heavy Rain)
	06/20/11 09:00 CST		0	Source: Law Enforcement
Water was reported over the roads near Bordulac.				
STUTSMAN COUNTY --- 8.9 NW EDMUNDS [47.32, -99.13], 3.7 ENE KENSAL [47.32, -98.66], 7.6 ENE BUCHANAN [47.11, -98.68], 6.1 WSW PINGREE [47.13, -99.03]				
	06/20/11 06:00 CST		10K	Flash Flood (due to Heavy Rain)
	06/20/11 09:00 CST		0	Source: Mesonet
Water was reported over the roads near Bordulac over Foster County. Heavy rain also fell over rural north central Stutsman County with flash flooding there as well.				
Continued redevelopment of thunderstorms over north central Stutsman County and central Foster County resulted in flash flooding. A measured heavy rain report of 4.22 inches was received from south central Foster County.				
OLIVER COUNTY --- 8.3 S CENTER [47.00, -101.30]				

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/20/11 13:13 CST		0	Funnel Cloud
	06/20/11 13:15 CST		0	Source: Public
Two funnel clouds were reported over Oliver County. The funnels did not reach the surface and dissipated shortly after forming.				
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MCLEAN COUNTY --- 10.7 SSW RAUB [47.60, -102.10], 10.7 SSW RAUB [47.60, -102.11]				
	06/20/11 13:22 CST		0	Tornado (EF0, L: 0.27 mi , W: 10 yd)
	06/20/11 13:30 CST		0	Source: Public
This tornado touchdown occurred in the open country. No damage was reported. It was slow moving.				
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OLIVER COUNTY --- 9.6 SE CENTER [47.02, -101.16]				
	06/20/11 13:25 CST		0	Funnel Cloud
	06/20/11 13:30 CST		0	Source: Law Enforcement
Three funnel clouds were reported. Law enforcement reported these funnels did not touch the ground.				
<hr/>				
MORTON COUNTY --- 5.0 NE ALMONT [46.78, -101.43], 3.9 E SIMS [46.78, -101.42]				
	06/20/11 13:42 CST		0	Tornado (EF0, L: 0.32 mi , W: 30 yd)
	06/20/11 13:44 CST		0	Source: Public
A brief tornado touchdown occurred in the open country five miles northeast of Almont. No damage was reported with this tornado.				
A trough of low pressure extending north through the central Dakotas combined with a weak area of low pressure aloft to create an environment favorable for funnel cloud activity. A highly veering low and mid level wind profile over south central North Dakota resulted in several funnel cloud reports and two confirmed weak EF0 tornado touchdowns in the open country.				
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DICKEY COUNTY --- 0.5 W ELLENDALE [46.00, -98.53]				
	06/21/11 15:15 CST		0	Heavy Rain
	06/21/11 15:15 CST		0	Source: NWS Employee
A 24 hour rainfall of 2.65 inches was reported.				
<hr/>				
DICKEY COUNTY --- 0.8 SE FULLERTON [46.16, -98.41]				
	06/21/11 17:30 CST		0	Heavy Rain
	06/21/11 17:30 CST		0	Source: COOP Observer
A 24 hour rainfall of 2.98 inches was reported.				
Two reports of heavy rain were received over Dickey County in southeastern North Dakota.				
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WARD COUNTY --- 2.4 ENE MINOT [48.24, -101.23], 3.9 NNW SAWYER [48.13, -101.09], 2.5 NNE SAWYER [48.11, -101.02], 2.0 SE SAWYER [48.06, -101.02], 5.5 WNW SAWYER [48.11, -101.16], 1.5 SSW MINOT [48.21, -101.29], 4.5 SSE BURLINGTON [48.22, -101.38], 2.3 SW BURLINGTON [48.26, -101.46]				
	06/22/11 09:40 CST		5M	Flash Flood (due to Planned Dam Release)
	06/22/11 13:40 CST		0	Source: Emergency Manager
Runoff from very heavy rain forced rapid dam releases along the Souris River which resulted in an overtopping of levees and eventual levee failure. Communities through Ward County along the Souris River were very severely impacted. A mandatory evacuation was ordered along the river. In the end the river flooding resulted in impacts to around 15,000 residents. This levee overtopping flash flooded these areas. Dollar damage indicated here is not all inclusive from the flooding.				
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RENVILLE COUNTY --- 13.3 W SHERWOOD [49.00, -101.91], 3.4 NW GRANO [48.65, -101.64], 3.9 SSE NORMA [48.65, -101.73], 17.8 W SHERWOOD [49.00, -102.01]				
	06/22/11 11:00 CST		1M	Flash Flood (due to Planned Dam Release)
	06/22/11 16:00 CST		0	Source: Emergency Manager
Runoff from very heavy rainfall resulted in a rapid four foot rise along the Souris River near Sherwood. A mandatory evacuation was ordered for Mouse River Park located in McKinney Township. One hundred homes, 150 camping sites, and several businesses and buildings were impacted as the Souris River overtopped levees and flash flooded these areas. Dollar damage here is not all inclusive from the flooding.				
Runoff from very heavy rain resulted in a rapid four foot rise along the Souris River near Sherwood. A mandatory evacuation was ordered for Mouse River Park located in McKinney Township. One hundred homes, 150 camping sites, and several businesses and buildings were impacted.				

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Also along the Souris River, levee overtopping and failure occurred resulting in flash flooding in Renville and Ward counties.

MOUNTRAIL COUNTY --- 6.8 NNW WHITE EARTH [48.47, -102.83]

06/24/11 17:00 CST		0	Heavy Rain
06/24/11 17:20 CST		0	Source: Trained Spotter

A report of heavy rain measured at 1.50 inches was received. The time when the rain started is unknown. The report indicated the rain fell over a short period of time. Flash flood conditions eventually developed. Please see the Flash Flood entry for details.

BURKE COUNTY --- 5.2 SSW RIVAL [48.83, -102.64], 1.8 WSW BATTLEVIEW [48.57, -102.82], 7.2 E POWERS LAKE [48.56, -102.47], 6.6 SE LIGNITE [48.81, -102.45]

06/24/11 19:12 CST		75K	Flash Flood (due to Heavy Rain)
06/24/11 23:00 CST		0	Source: Law Enforcement

Slow moving and redeveloping thunderstorms brought heavy rain to the area. Excessive runoff from the heavy rain resulted in water flowing over roads southwest of Lignite.

MOUNTRAIL COUNTY --- 13.2 NNW WHITE EARTH [48.56, -102.85], 14.2 NNW WHITE EARTH [48.57, -102.90], 13.0 NNW WHITE EARTH [48.55, -102.90], 12.3 NNW WHITE EARTH [48.55, -102.86]

06/24/11 19:12 CST		20K	Flash Flood (due to Heavy Rain)
06/24/11 23:00 CST		0	Source: Mesonet

Slow moving and redeveloping thunderstorms brought heavy rain to the area. Excessive runoff from the heavy rain resulted in flash flood conditions to develop.

Flash flood conditions developed over portions of northwest North Dakota as slow moving and redeveloping thunderstorms moved over Burke County. Local law enforcement reported water flowing over roads southwest of Lignite.

WARD COUNTY --- 2.3 NE SAWYER [48.10, -101.01], 1.6 ESE SAWYER [48.07, -101.02], 2.9 WNW SAWYER [48.09, -101.11], 3.6 NW SAWYER [48.12, -101.10]

06/25/11 05:40 CST		0.30M	Flash Flood (due to Planned Dam Release)
06/25/11 10:40 CST		0	Source: Emergency Manager

Runoff from very heavy rain forced rapid dam releases along the Souris River which resulted in an overtopping of levees and eventual levee failure. Communities through Ward County along the Souris River were very severely impacted. A mandatory evacuation was ordered along the river, including this one for Sawyer. In the end the river flooding resulted in impacts to around 15,000 residents along the river. This levee overtopping flash flooded these areas. Dollar damage indicated here is not all inclusive from the flooding.

Runoff from very heavy rain resulted in levee overtopping and failure and flash flooding along the Souris River near Sawyer. A mandatory evacuation was ordered in this part of Ward County.

MOUNTRAIL COUNTY --- 4.8 S SANISH [47.91, -102.57]

06/25/11 14:29 CST		0	Hail (1.25 in)
06/25/11 14:34 CST		0	Source: Trained Spotter

MOUNTRAIL COUNTY --- 2.1 SSW NEW TOWN [47.95, -102.49]

06/25/11 14:44 CST		0	Hail (1.00 in)
06/25/11 14:47 CST		0	Source: NWS Employee

WARD COUNTY --- KENMARE [48.67, -102.08]

06/25/11 14:50 CST		0	Heavy Rain
06/25/11 15:50 CST		0	Source: Broadcast Media

A public report of 2 inches of heavy rain was relayed by broadcast media.

BURKE COUNTY --- 10.5 E POWERS LAKE [48.58, -102.40]

06/25/11 15:14 CST		0	Hail (1.00 in)
06/25/11 15:19 CST		0	Source: Trained Spotter

MOUNTRAIL COUNTY --- 2.8 S NEW TOWN [47.94, -102.49]

06/25/11 15:14 CST		0	Hail (1.50 in)
06/25/11 15:20 CST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MOUNTRAIL COUNTY --- 9.2 W BELDEN [48.15, -102.55]				
	06/25/11 15:19 CST		0	Hail (1.75 in)
	06/25/11 15:24 CST		0	Source: Public
BOTTINEAU COUNTY --- 0.5 W MAXBASS [48.72, -101.14]				
	06/25/11 16:09 CST		0	Hail (1.50 in)
	06/25/11 16:12 CST		0	Source: Public
RENVILLE COUNTY --- 0.8 SSW MOHALL [48.76, -101.51]				
	06/25/11 16:14 CST		0	Hail (1.00 in)
	06/25/11 16:30 CST		0	Source: Storm Chaser
WARD COUNTY --- KENMARE [48.67, -102.08]				
	06/25/11 16:17 CST		0	Heavy Rain
	06/25/11 16:37 CST		0	Source: Trained Spotter
Heavy rain of one inch in twenty minutes was reported.				
RENVILLE COUNTY --- 0.8 SSW MOHALL [48.76, -101.51]				
	06/25/11 16:19 CST		0	Hail (0.88 in)
	06/25/11 16:25 CST		0	Source: Public
BOTTINEAU COUNTY --- 3.5 N ECKMAN [48.72, -101.05]				
	06/25/11 16:23 CST		0	Hail (1.00 in)
	06/25/11 16:28 CST		0	Source: Public
MOUNTRAIL COUNTY --- 1.5 SSW PARSHALL [47.95, -102.14]				
	06/25/11 16:23 CST		0	Funnel Cloud
	06/25/11 16:25 CST		0	Source: Public
A funnel cloud briefly formed near Parshall.				
MOUNTRAIL COUNTY --- 1.5 SSW PARSHALL [47.95, -102.14]				
	06/25/11 16:23 CST		0	Hail (1.75 in)
	06/25/11 16:27 CST		0	Source: Trained Spotter
WARD COUNTY --- 0.8 NNE DES LACS [48.26, -101.56]				
	06/25/11 16:37 CST		0	Heavy Rain
	06/25/11 17:37 CST		0	Source: NWS Employee
Heavy rain of two inches was reported.				
BOTTINEAU COUNTY --- 4.6 W MAXBASS [48.72, -101.23]				
	06/25/11 16:42 CST		0	Hail (1.00 in)
	06/25/11 16:45 CST		0	Source: Broadcast Media
MCHENRY COUNTY --- 2.5 SSE UPHAM [48.55, -100.69]				
	06/25/11 17:05 CST		0	Hail (1.50 in)
	06/25/11 17:15 CST		0	Source: Trained Spotter
RENVILLE COUNTY --- MOHALL [48.77, -101.50], 5.0 NNE GRANO [48.69, -101.53], 5.9 SSE MOHALL [48.69, -101.46], 1.9 E MOHALL [48.77, -101.46]				
	06/25/11 17:15 CST		10K	Flash Flood (due to Heavy Rain)
	06/25/11 19:45 CST		0	Source: Mesonet
Excessive runoff from heavy rain resulted in flash flooding near and south of Mohall with water running nearly two feet deep over roads. Gravel roads were in need of repair after the event. There was a report of one inch of rain in 20 minutes from storms moving through the area.				
WARD COUNTY --- 0.9 W MINOT [48.23, -101.30]				

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/25/11 17:23 CST		0	Thunderstorm Wind (MG 55 kt)
	06/25/11 17:23 CST		0	Source: COOP Observer
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BOTTINEAU COUNTY --- 0.5 W WILLOW CITY [48.60, -100.29]				
	06/25/11 18:01 CST		0	Hail (0.75 in)
	06/25/11 18:04 CST		0	Source: Trained Spotter
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BOTTINEAU COUNTY --- WILLOW CITY [48.60, -100.28]				
	06/25/11 18:01 CST		75K	Thunderstorm Wind (EG 74 kt)
	06/25/11 18:11 CST		0	Source: Newspaper
Thunderstorm wind damage was sustained to trees and a large barn was blown down.				
<hr/>				
MCHENRY COUNTY --- 0.5 W UPHAM [48.58, -100.73]				
	06/25/11 18:17 CST		0	Heavy Rain
	06/25/11 18:17 CST		0	Source: Broadcast Media
A heavy rainfall report of 2.9 inches in less than one hour was received.				
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MCHENRY COUNTY --- 4.5 NE BANTRY [48.55, -100.54]				
	06/25/11 18:20 CST		0	Thunderstorm Wind (EG 52 kt)
	06/25/11 18:23 CST		0	Source: COOP Observer
Winds were estimated at 60 miles per hour.				
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PIERCE COUNTY --- 2.8 NW BARTON [48.53, -100.21]				
	06/25/11 18:20 CST		0	Thunderstorm Wind (EG 52 kt)
	06/25/11 18:22 CST		0	Source: COOP Observer
Winds were estimated at 60 miles per hour.				
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PIERCE COUNTY --- 4.0 NNE BARTON [48.55, -100.13]				
	06/25/11 18:22 CST		0.15M	Thunderstorm Wind (EG 87 kt)
	06/25/11 18:30 CST		0	Source: Newspaper
Winds were estimated at 100 miles per hour by a local resident with a wind meter. Numerous trees in the Barton area were uprooted, and several structures were damaged from the very strong winds.				
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BOTTINEAU COUNTY --- WILLOW CITY [48.60, -100.28]				
	06/25/11 18:28 CST		50K	Thunderstorm Wind (EG 70 kt)
	06/25/11 18:37 CST		0	Source: Newspaper
Strong thunderstorm winds uprooted numerous trees and blew down utility poles in the Willow City area.				
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ROLETTE COUNTY --- 11.2 W NANSON [48.55, -100.01]				
	06/25/11 18:30 CST		30K	Thunderstorm Wind (EG 74 kt)
	06/25/11 18:37 CST		0	Source: Law Enforcement
Strong thunderstorm winds blew off a barn roof.				
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MCHENRY COUNTY --- BANTRY [48.50, -100.60], 2.7 E UPHAM [48.57, -100.66], 2.5 SSW UPHAM [48.55, -100.74], 3.6 W BANTRY [48.51, -100.68]				
	06/25/11 18:40 CST		5K	Flash Flood (due to Heavy Rain)
	06/25/11 20:00 CST		0	Source: Mesonet
Excessive runoff from heavy rain resulted in flash flooding over north central McHenry County. Low water crossing areas were flooded to a depth of between one and two feet. Damage to roads was minor.				
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ROLETTE COUNTY --- 3.0 SE ROLETTE [48.64, -99.78]				
	06/25/11 18:46 CST		20K	Thunderstorm Wind (EG 70 kt)
	06/25/11 18:49 CST		0	Source: COOP Observer
Thunderstorm wind damage to a golf course shed was reported. Wind speed is estimated based on the damage description.				

Storm Data and Unusual Weather Phenomena - June 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
WELLS COUNTY --- 0.5 W FESSENDEN [47.65, -99.63]				
	06/25/11 19:23 CST		0	Hail (1.75 in)
	06/25/11 19:27 CST		0	Source: Broadcast Media
WELLS COUNTY --- 0.5 W FESSENDEN [47.65, -99.63]				
	06/25/11 19:24 CST		0	Hail (1.00 in)
	06/25/11 19:29 CST		0	Source: Trained Spotter
ROLETTE COUNTY --- 0.8 SSW DUNSEITH [48.81, -100.06]				
	06/25/11 19:29 CST		0	Heavy Rain
	06/25/11 19:29 CST		0	Source: Broadcast Media
A heavy rainfall report of 1.5 inches in 20 minutes was received.				
MORTON COUNTY --- 0.5 E NEW SALEM [46.85, -101.41]				
	06/25/11 20:14 CST		0	Hail (1.00 in)
	06/25/11 20:19 CST		0	Source: Emergency Manager
MORTON COUNTY --- 3.6 NW NEW SALEM [46.89, -101.47]				
	06/25/11 20:14 CST		0	Hail (0.88 in)
	06/25/11 20:19 CST		0	Source: Trained Spotter
<p>A surface cold front advecting from west to east, coupled with a mid level jet streak, combined with abundant moisture and instability to result in widespread thunderstorm activity during the afternoon and evening hours of June 25th. Numerous reports of large hail and several reports of severe thunderstorm wind gusts were received.</p> <p>The overall tornado threat was low due to insufficient deep layer shear, although there was supportive surface vorticity and low level cape which led to one report of a funnel cloud and several reports of general rotation at the base of the storms.</p> <p>Also during this episode, training thunderstorms across northwest and north central North Dakota resulted in locally very heavy rainfall which resulted in the issuance of several flash flood warnings.</p>				
LA MOURE COUNTY --- 12.9 WSW EDGELEY [46.30, -98.95]				
	06/26/11 08:40 CST		0	Hail (1.00 in)
	06/26/11 08:45 CST		0	Source: Trained Spotter
Scattered morning thunderstorms developed over southeastern North Dakota during the mid morning hours of June 26th. One report of large hail was received.				
STUTSMAN COUNTY --- (JMS)JAMESTOWN MUNI [46.93, -98.68], 2.2 ESE COURTENAY [47.21, -98.53], 8.4 E MONTPELIER [46.69, -98.40], 3.3 SW MILLARTON [46.64, -98.81]				
	06/26/11 15:00 CST		45K	Flash Flood (due to Heavy Rain)
	06/26/11 19:00 CST		0	Source: Emergency Manager
<p>Four separate rain events on June 26th, with officially 2.32 inches of rain, resulted in flash flood conditions over eastern Stutsman County including the city of Jamestown. Several Jamestown city streets were flooded, the railroad viaduct was flooded, and portions of the city storm sewer and sanitary sewer systems were overwhelmed.</p> <p>Four separate rain events on June 26th, with officially 2.32 inches of rain, resulted in flash flood conditions over eastern Stutsman County including the city of Jamestown. Several Jamestown city streets were flooded, the railroad viaduct was flooded, and portions of the city storm sewer and sanitary sewer systems were overwhelmed.</p>				
ADAMS COUNTY --- 0.5 W HETTINGER [46.00, -102.64]				
	06/26/11 18:36 MST		0	Thunderstorm Wind (MG 62 kt)
	06/26/11 18:44 MST		0	Source: ASOS

An area of showers and thunderstorms moved across far southwest and far south central North Dakota during the evening hours of June 26th. A strong wind gust was reported at Hettinger. No other reports were received.