

Storm Data and Unusual Weather Phenomena - June 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
NORTH DAKOTA, Central and West				
DIVIDE COUNTY --- 7.0 NNE WESTBY [48.97, -104.00], 3.4 WNW CROSBY MUNI ARPT [48.95, -103.36], 34.4 SSE ALKABO [48.38, -103.72], 39.5 S WESTBY [48.30, -104.03]				
	06/01/14 02:00 CST		0.15M	Flood (due to Heavy Rain)
	06/01/14 12:00 CST		50K	Source: Emergency Manager
Radar estimated three to five inches of rain in parts of Divide and northwest Williams counties. Damage was reported to culverts and roads. Deep water was standing in farm yards but the National Weather Service received no reports of water in homes . Crops were damaged.				
WILLIAMS COUNTY --- 24.1 N GRENORA [48.97, -104.00], 23.2 N CORINTH [48.95, -103.36], 6.6 ESE BONETRAILL [48.38, -103.72], 11.8 SW BONETRAILL [48.30, -104.03]				
	06/01/14 02:00 CST		0.10M	Flood (due to Heavy Rain)
	06/01/14 12:00 CST		30K	Source: Emergency Manager
Radar estimated three to five inches of rain in parts of northwest Williams and Divide counties. Damage was reported to culverts and roads. Deep water was standing in farm yards but the National Weather Service received no reports of water in homes . Crops were damaged.				
Slow moving non-severe thunderstorms moved into western North Dakota late on May 31 and continued on June first. Thunderstorms were training and slow moving and resulted in flooding in northwest North Dakota, especially Divide and Williams counties, on June first.				
MCHENRY COUNTY --- 0.7 S VELVA [48.06, -100.93]				
	06/01/14 14:43 CST		0	Funnel Cloud
	06/01/14 14:46 CST		0	Source: Fire Department/Rescue
The Velva Fire Department reported a funnel cloud near Velva.				
STUTSMAN COUNTY --- 7.0 NE WINDSOR [46.98, -98.94], 7.0 NE WINDSOR [46.98, -98.94]				
	06/01/14 18:03 CST		0	Tornado (EF0, L: 0.04 mi , W: 20 yd)
	06/01/14 18:05 CST		0	Source: Emergency Manager
This tornado touched down briefly in open country west-northwest of the city of Jamestown. There was no damage so this tornado was rated EF0.				
STUTSMAN COUNTY --- 1.7 NW ELDRIDGE [46.92, -98.85]				
	06/01/14 18:41 CST		0	Funnel Cloud
	06/01/14 18:43 CST		0	Source: Law Enforcement
A brief funnel cloud was reported by law enforcement.				
Strong low level wind shear and steep low level lapse rates resulted in reports of funnel clouds in McHenry and Stutsman counties, along with one brief EF0 tornado touchdown in Stutsman county, west and north of Jamestown. No damage occurred with this brief tornado.				
HETTINGER COUNTY --- 11.2 S NEW ENGLAND [46.37, -102.89]				
	06/04/14 14:53 MST		0	Funnel Cloud
	06/04/14 14:58 MST		0	Source: Public
This funnel cloud did not touch the surface. This report was relayed through North Dakota State Radio with pictures of this funnel cloud received via social media.				
HETTINGER COUNTY --- 9.8 SW REGENT [46.34, -102.72]				
	06/04/14 15:12 MST		0	Funnel Cloud
	06/04/14 15:16 MST		0	Source: Public
This funnel cloud did not touch the surface. This report was relayed through North Dakota State Radio with pictures of this funnel cloud received via social media.				
RENVILLE COUNTY --- 6.2 SW LORAINE [48.81, -101.65]				
	06/04/14 16:30 CST		0	Hail (1.00 in)
	06/04/14 16:35 CST		0	Source: Trained Spotter
WARD COUNTY --- 0.9 W MINOT [48.23, -101.30]				

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	06/04/14 16:54 CST		0	Hail (0.75 in)
	06/04/14 16:58 CST		0	Source: Trained Spotter
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WARD COUNTY --- 0.9 W MINOT [48.23, -101.30]				
	06/04/14 17:19 CST		15K	Hail (1.25 in)
	06/04/14 17:25 CST		0	Source: Broadcast Media
<p>There was damage to vehicles.</p> <p>Severe Thunderstorm Watch Number 220 was in effect during this event, valid for far southwestern North Dakota.</p> <p>A mid level shortwave trough moving east across the Rockies triggered scattered thunderstorms over the northern high plains early in the day, which eventually pushed east into North Dakota during the late afternoon and early evening. A few storms became strong to severe.</p>				
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DICKEY COUNTY --- 5.1 NE FORBES [46.01, -98.72]				
	06/11/14 15:30 CST		0	Hail (1.25 in)
	06/11/14 15:45 CST		50K	Source: Broadcast Media
<p>The large hail resulted in some crop damage.</p> <p>An isolated severe thunderstorm moved across Dickey County in southeast North Dakota. This storm produced large hail that damaged crops.</p>				
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WILLIAMS COUNTY --- 6.7 NW BONETRAILL [48.49, -103.95]				
	06/13/14 20:15 CST		0	Hail (0.88 in)
	06/13/14 20:20 CST		0	Source: Trained Spotter
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WILLIAMS COUNTY --- 4.4 NNW EPPING [48.34, -103.38]				
	06/13/14 21:14 CST		0	Funnel Cloud
	06/13/14 21:17 CST		0	Source: Mesonet
<p>North Dakota Department of Transportation webcam in Ray showed a funnel cloud west of Ray . There were no reports indicating this funnel cloud reached the surface.</p>				
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WILLIAMS COUNTY --- 0.7 S RAY [48.34, -103.17]				
	06/13/14 21:30 CST		0	Hail (1.00 in)
	06/13/14 21:34 CST		0	Source: Trained Spotter
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WILLIAMS COUNTY --- 0.7 S RAY [48.34, -103.17]				
	06/13/14 21:33 CST		10K	Hail (1.25 in)
	06/13/14 21:38 CST		0	Source: Law Enforcement
<p>There was minor damage to vehicles along U.S. Highway 2.</p> <p>A surface trough of low pressure moved slowly east across western North Dakota and triggered scattered strong to severe thunderstorms in Williams County.</p>				
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MOUNTRAIL COUNTY --- 1.5 SSW PARSHALL [47.95, -102.14]				
	06/15/14 14:15 CST		0	Hail (0.88 in)
	06/15/14 14:18 CST		0	Source: Public
<p>An isolated strong thunderstorm produced large hail at Parshall in Mountrail County.</p>				
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HETTINGER COUNTY --- 12.3 NNE REGENT [46.57, -102.41]				
	06/16/14 17:14 MST		0	Hail (0.75 in)
	06/16/14 17:22 MST		0	Source: Trained Spotter
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HETTINGER COUNTY --- 12.5 N MOTT [46.56, -102.35]				
	06/16/14 17:15 MST		0	Hail (1.75 in)
	06/16/14 17:20 MST		0	Source: Trained Spotter

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GOLDEN VALLEY COUNTY --- 2.1 SSW TROTTERS [47.29, -103.93]				
	06/16/14 17:40 MST		0	Hail (0.75 in)
	06/16/14 17:45 MST		0	Source: Trained Spotter
STARK COUNTY --- 0.8 SE SOUTH HEART [46.86, -102.99]				
	06/16/14 17:52 MST		0	Hail (1.00 in)
	06/16/14 17:59 MST		0	Source: Trained Spotter
STARK COUNTY --- 1.7 SE SOUTH HEART [46.85, -102.98]				
	06/16/14 18:11 MST		0	Hail (2.00 in)
	06/16/14 18:15 MST		0	Source: Public
STARK COUNTY --- 3.6 SE SOUTH HEART [46.83, -102.95]				
	06/16/14 18:15 MST		15K	Hail (2.75 in)
	06/16/14 18:20 MST		0	Source: Public
Most of the hail was quarter size, with a few as large as baseballs. There was damage to vehicles.				
STARK COUNTY --- 7.8 SW (DIK)DICKINSON MUNI [46.71, -102.90], 7.5 SSW (DIK)DICKINSON MUNI [46.70, -102.87]				
	06/16/14 19:23 MST		0	Tornado (EF0, L: 1.35 mi , W: 25 yd)
	06/16/14 19:27 MST		0	Source: Public
This tornado touched down briefly in open country. There was no damage so this tornado was rated EF0.				
HETTINGER COUNTY --- 1.2 NW NEW ENGLAND [46.54, -102.87]				
	06/16/14 21:20 MST		0	Hail (0.88 in)
	06/16/14 21:25 MST		0	Source: COOP Observer
Scattered strong to severe thunderstorms brought large hail and a brief tornado to southwest North Dakota during the evening hours.				
SIOUX COUNTY --- 4.8 W SELFRIDGE [46.04, -101.03]				
	06/18/14 14:02 MST		0	Hail (0.88 in)
	06/18/14 14:08 MST		0	Source: Trained Spotter
MCINTOSH COUNTY --- 4.0 SW ASHLEY [45.99, -99.43], 4.0 SW ASHLEY [45.99, -99.43]				
	06/18/14 18:08 CST		0	Tornado (EF0, L: 0.02 mi , W: 20 yd)
	06/18/14 18:09 CST		0	Source: Law Enforcement
This tornado touched down briefly in open country just off of North Dakota Highway 3 south of Ashley. There was no damage so this tornado was rated EF0.				
MCINTOSH COUNTY --- 7.0 N ASHLEY [46.13, -99.37], 5.0 NE ASHLEY [46.08, -99.30]				
	06/18/14 18:15 CST		0.25M	Thunderstorm Wind (EG 78 kt)
	06/18/14 18:45 CST		0.10M	Source: NWS Storm Survey
Severe thunderstorm winds resulted in a swath of damage around Ashley . Five miles northeast of Ashley on a ranch , the roof of a cattle barn was torn off and several cottonwood trees were snapped. Seven miles north of Ashley, several outbuildings were damaged on a ranch, including shingles torn off of a home and a trailer tipped over by the winds. Along the entire path of the damage, many tree branches were broken along with tree trunks snapped. There was also crop damage in the area north and east of Ashley .				
MCINTOSH COUNTY --- 2.1 N ASHLEY [46.06, -99.37]				
	06/18/14 18:52 CST		10K	Thunderstorm Wind (EG 61 kt)
	06/18/14 18:57 CST		0	Source: Public
The strong thunderstorm winds resulted in roof damage to a pole barn.				
KIDDER COUNTY --- 3.6 SSW DAWSON [46.82, -99.75]				
	06/18/14 18:55 CST		0.15M	Thunderstorm Wind (EG 74 kt)
	06/18/14 19:05 CST		0	Source: NWS Storm Survey

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A damage survey assessed that strong thunderstorm winds moved from southeast to northwest over Lake Isabel . The worst damage occurred on the northwest side of the lake. Damage included uprooted and snapped trees, roofs torn from homes, damaged decks, and structures damaged from falling trees.

STUTSMAN COUNTY --- 7.3 NE STREETER [46.73, -99.25]

06/18/14 18:58 CST	0	0	Funnel Cloud
06/18/14 19:01 CST	0	0	Source: Fire Department/Rescue

A funnel cloud was reported. This funnel cloud did not reach the surface.

DICKEY COUNTY --- 0.8 SW ELLENDALE ARPT [46.01, -98.53]

06/18/14 20:22 CST	0	0	Thunderstorm Wind (EG 52 kt)
06/18/14 20:28 CST	50K	0	Source: Trained Spotter

Heavy rain and pea size hail accompanied the strong winds. Crop damage was reported.

STUTSMAN COUNTY --- COURTENAY [47.22, -98.57]

06/18/14 21:00 CST	0	0	Thunderstorm Wind (EG 52 kt)
06/18/14 21:05 CST	25K	0	Source: Trained Spotter

Heavy rain and pea size hail accompanied the strong winds. There was crop damage reported.

Tornado Watch Number 322 was in effect during this event.

Robust thunderstorm development occurred due to moderate instability and high shear ahead of an upper level low pressure system. The threat for tornado producing storms was heightened near the South Dakota border thanks to 0-1 km shear as high as 30 knots. Strong thunderstorm winds were the primary severe weather element during this event.

MCINTOSH COUNTY --- ASHLEY [46.03, -99.37]

06/21/14 15:30 CST	0	0	Hail (0.75 in)
06/21/14 15:35 CST	0	0	Source: Law Enforcement

MCINTOSH COUNTY --- 2.9 E ASHLEY [46.03, -99.31]

06/21/14 15:37 CST	0	0	Hail (1.00 in)
06/21/14 15:42 CST	0	0	Source: Law Enforcement

DICKEY COUNTY --- 0.8 NW OAKES [46.14, -98.09]

06/21/14 17:08 CST	8K	0	Thunderstorm Wind (EG 52 kt)
06/21/14 17:16 CST	0	0	Source: Social Media

There were multiple reports of wind damage in Oakes. A few trees were blown down and a swing set was blown over.

STUTSMAN COUNTY --- 0.5 W MILLARTON [46.67, -98.76]

06/21/14 17:23 CST	0	0	Hail (1.75 in)
06/21/14 17:28 CST	0	0	Source: Social Media

MCINTOSH COUNTY --- ASHLEY [46.03, -99.37]

06/21/14 19:04 CST	25K	0	Thunderstorm Wind (EG 61 kt)
06/21/14 19:10 CST	0	0	Source: Law Enforcement

Two buildings on a farm were damaged.

Severe Thunderstorm Watch number 342 was in effect during this event.

A surface trough moving slowly east across North Dakota was the focus for thunderstorms during the late afternoon and evening. Moderate instability coupled with 30 knots of 0-6 km wind shear, resulted in some storms becoming severe producing large hail and strong winds.

GRANT COUNTY --- 19.4 N ELGIN [46.68, -101.85]

06/25/14 20:03 MST	0	0	Hail (1.00 in)
06/25/14 20:08 MST	0	0	Source: Trained Spotter

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ADAMS COUNTY --- 6.2 S REEDER [46.03, -102.94]				
	06/25/14 20:12 MST		0	Hail (1.00 in)
	06/25/14 20:16 MST		0	Source: Trained Spotter
MORTON COUNTY --- 8.3 S ST ANTHONY [46.50, -100.91]				
	06/25/14 21:35 CST		20K	Thunderstorm Wind (EG 61 kt)
	06/25/14 21:45 CST		0	Source: Trained Spotter
The strong winds rolled a stock trailer and damaged a deck.				
A short wave impulse moving across North Dakota triggered scattered thunderstorms during the mid to late evening hours. A few isolated storms became severe, one over the southwest and another across the south central.				
BOTTINEAU COUNTY --- 0.5 W ANTLER [48.97, -101.28]				
	06/27/14 13:47 CST		0	Funnel Cloud
	06/27/14 13:51 CST		0	Source: Public
Brief funnel cloud was reported. This funnel cloud did not reach the surface.				
HETTINGER COUNTY --- 9.4 SW MOTT MUNI ARPT [46.27, -102.48]				
	06/27/14 16:25 MST		0	Funnel Cloud
	06/27/14 16:35 MST		0	Source: Public
Brief funnel cloud was reported. This funnel cloud did not reach the surface.				
HETTINGER COUNTY --- 8.7 SSW MOTT MUNI ARPT [46.24, -102.41]				
	06/27/14 17:05 MST		0	Funnel Cloud
	06/27/14 17:15 MST		0	Source: Law Enforcement
Brief funnel cloud was reported. This funnel cloud did not reach the surface.				
ADAMS COUNTY --- 7.6 NE HAYNES [46.05, -102.36]				
	06/27/14 17:15 MST		0	Funnel Cloud
	06/27/14 17:20 MST		0	Source: Trained Spotter
Brief funnel cloud was reported. This funnel cloud did not reach the surface.				
A slow moving surface boundary combined with steep low level lapse rates and a low cloud base to result in several funnel cloud reports across the local area. None of the funnels reached the ground.				
BOTTINEAU COUNTY --- 96.1 WNW LANSFORD [48.99, -103.41], 5.2 ENE ANTLER [48.99, -101.16], 47.0 S LANSFORD [47.96, -101.20], 55.1 WSW LANSFORD [48.23, -102.41], 71.5 W LANSFORD [48.55, -102.93]				
	06/28/14 19:30 CST		0.30M	Flood (due to Heavy Rain)
	06/30/14 15:30 CST		0.10M	Source: Emergency Manager
Flooding occurred over western Bottineau County. Damage occurred to roads and culverts with many wash outs along township roads. There was crop damage as well. Rain amounts ranged from 2.50 inches in Bottineau County to as much as 7.00 inches in Renville County.				
BURKE COUNTY --- 27.4 WNW LARSON [48.99, -103.41], 50.3 E NORTHGATE [48.99, -101.16], 75.0 SE COTEAU [47.96, -101.20], 25.6 SSE POWERS LAKE [48.23, -102.41], 7.2 WSW BATTLEVIEW [48.55, -102.93]				
	06/28/14 19:30 CST		50K	Flood (due to Heavy Rain)
	06/30/14 15:30 CST		25K	Source: Emergency Manager
Flooding occurred over Burke County. Damage occurred to roads and culverts with many wash outs along township roads. There was crop damage as well. Rain amounts ranged from 2.50 inches in Bottineau County to as much as 7.00 inches in Renville County.				
DIVIDE COUNTY --- 3.9 NE AMBROSE [48.99, -103.41], 83.9 E NOONAN [48.99, -101.16], 104.2 SE NOONAN [47.96, -101.20], 52.4 SSE NOONAN [48.23, -102.41], 23.0 S NOONAN [48.55, -102.93]				
	06/28/14 19:30 CST		0.15M	Flood (due to Heavy Rain)
	06/30/14 15:30 CST		50K	Source: Emergency Manager

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Flooding occurred over eastern Divide County. Damage occurred to roads and culverts with many wash outs along township roads. There was crop damage as well. Rain amounts ranged from 2.50 inches in Bottineau County to as much as 7.00 inches in Renville County.				
MOUNTRAIL COUNTY --- 51.3 NW WHITE EARTH [48.99, -103.41], 56.5 NE TAGUS [48.99, -101.16], 35.9 E PRAIRIE JCT [47.96, -101.20], 4.9 S STANLEY MUNI ARPT [48.23, -102.41], 13.8 NNW WHITE EARTH [48.55, -102.93]				
	06/28/14 19:30 CST		0.25M	Flood (due to Heavy Rain)
	06/30/14 15:30 CST		0.10M	Source: Emergency Manager
Flooding occurred over Mountrail County. Damage occurred to roads and culverts with many wash outs along township roads. There was crop damage as well. Rain amounts ranged from 2.50 inches in Bottineau County to as much as 7.00 inches in Renville County.				
RENVILLE COUNTY --- 74.5 WNW TOLLEY [48.99, -103.41], 19.6 ENE LORAINNE [48.99, -101.16], 38.7 S GLENBURN [47.96, -101.20], 43.8 SW NORMA [48.23, -102.41], 52.2 WSW TOLLEY [48.55, -102.93]				
	06/28/14 19:30 CST		96K	Flood (due to Heavy Rain)
	06/30/14 15:30 CST		50K	Source: Emergency Manager
Flooding occurred over Renville County. Damage occurred to roads and culverts with many wash outs along township roads. There was crop damage as well. Rain amounts ranged from 2.50 inches in Bottineau County to as much as 7.00 inches in Renville County.				
WARD COUNTY --- 58.2 WNW NIOBE [48.99, -103.41], 37.4 N WOLSETH [48.99, -101.16], 7.8 SE SOUTH PRAIRIE [47.96, -101.20], 28.4 SW COULEE [48.23, -102.41], 33.6 WSW NIOBE [48.55, -102.93]				
	06/28/14 19:30 CST		0.62M	Flood (due to Heavy Rain)
	06/30/14 15:30 CST		0.25M	Source: Emergency Manager
Flooding occurred over Ward County. Damage occurred to roads and culverts with many wash outs along township roads. There was crop damage as well. Rain amounts ranged from 2.50 inches in Bottineau County to as much as 7.00 inches in Renville County.				
WILLIAMS COUNTY --- 25.9 N CORINTH [48.99, -103.41], 85.0 ENE MC GREGOR [48.99, -101.16], 85.3 ESE TIOGA [47.96, -101.20], 26.6 ESE TIOGA [48.23, -102.41], 3.5 S MC GREGOR [48.55, -102.93]				
	06/28/14 19:30 CST		25K	Flood (due to Heavy Rain)
	06/30/14 15:30 CST		25K	Source: Emergency Manager
Flooding occurred over northeast Williams County. Damage occurred to roads and culverts with many wash outs along township roads. There was crop damage as well. Rain amounts ranged from 2.50 inches in Bottineau County to as much as 7.00 inches in Renville County.				
Very heavy rain continued over several days at the end of June. Three to five inches of rain fell from Minot through Sherwood, and from Crosby through Lignite to Stanley. The highest rain amount was seven inches from Renville County. Another high amount was 4.50 inches from Ward County. Damage was extensive. The state of North Dakota requested and was granted a Federal Disaster Declaration as a result of damages from this flooding.				
(ND-Z031) GOLDEN VALLEY, (ND-Z032) BILLINGS, (ND-Z033) STARK, (ND-Z040) SLOPE, (ND-Z041) HETTINGER, (ND-Z043) BOWMAN, (ND-Z044) ADAMS				
	06/30/14 10:00 CST		25K	High Wind (MAX 35 kt)
	06/30/14 18:00 CST		0	
Deep low pressure over Lake Winnipeg created a tight pressure gradient across west and central North Dakota. Strong westerly winds were sustained at forty miles per hour across southwest North Dakota during the daylight hours.				