

Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
NORTH DAKOTA, Central and West				
DUNN COUNTY --- 4.3 E NEW HRADEC [47.01, -102.79]				
	06/03/10 13:02 MST		0	Hail (0.88 in)
	06/03/10 13:07 MST		0	Source: Public
MCKENZIE COUNTY --- 0.8 SE ALEXANDER [47.84, -103.64]				
	06/03/10 15:55 MST		0	Hail (0.88 in)
	06/03/10 16:00 MST		0	Source: Trained Spotter
DICKEY COUNTY --- 1.9 W ELLENDALE ARPT [46.02, -98.56]				
	06/03/10 20:30 CST		0	Funnel Cloud
	06/03/10 20:32 CST		0	Source: Emergency Manager
The funnel cloud did not reach the surface.				
A surface cold front pushing east across North Dakota resulted in scattered thunderstorms developing from the late afternoon through the mid evening hours of Thursday, June 3rd. Non-severe hail reports were received along with one funnel cloud report.				
FOSTER COUNTY --- 3.9 SSW JUANITA [47.45, -98.72]				
	06/05/10 16:48 CST		0	Hail (1.00 in)
	06/05/10 17:01 CST		0	Source: Trained Spotter
Steep mid level lapse rates and moderate wind shear resulted in isolated late afternoon thunderstorms over portions of central North Dakota. One severe hail report was received.				
BOWMAN COUNTY --- 0.5 S RHAME [46.22, -103.65], 2.0 SE RHAME [46.21, -103.62]				
	06/07/10 18:11 MST		50K	Tornado (EF0, L: 1.69 mi , W: 25 yd)
	06/07/10 18:20 MST		0	Source: Emergency Manager
A metal calf shed was destroyed at a farmstead one half mile south of Rhame. The shed was blown one quarter of a mile through several fences.				
BOWMAN COUNTY --- 4.0 S BOWMAN ARPT [46.12, -103.41], 4.1 S BOWMAN [46.12, -103.41]				
	06/07/10 19:12 MST		0	Tornado (EF0, L: 0.29 mi , W: 25 yd)
	06/07/10 19:13 MST		0	Source: Law Enforcement
Law enforcement reported a tornado crossing Highway 85. No damage was reported.				
WILLIAMS COUNTY --- 1.8 W ALAMO [48.58, -103.51]				
	06/07/10 20:37 CST		0	Funnel Cloud
	06/07/10 20:38 CST		0	Source: Fire Department/Rescue
The funnel cloud did not reach the ground.				
During the early evening hours of Monday, June 7th, a non-supercell tornado environment developed over western North Dakota, with high low level wind shear combined with high low level instability. This environment was favorable for quick tornado spin-ups as strong thunderstorm updrafts stretched the low level vorticity to create funnels or tornadoes. Two confirmed tornado reports were received over southwestern North Dakota in Bowman County, along with one funnel cloud report over northwestern North Dakota in Williams County.				
PIERCE COUNTY --- 0.8 NW SELZ [47.86, -99.89]				
	06/08/10 13:21 CST		0	Hail (0.75 in)
	06/08/10 13:28 CST		0	Source: Trained Spotter
WELLS COUNTY --- 2.0 E HAMBERG [47.77, -99.46]				
	06/08/10 14:00 CST		0	Hail (0.88 in)
	06/08/10 14:10 CST		0	Source: Public
Severe Hazards Analysis and Verification Experiment (SHAVE) report.				
WELLS COUNTY --- 3.0 SW HAMBERG [47.74, -99.55]				

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	06/08/10 14:00 CST		0	Hail (0.88 in)
	06/08/10 14:03 CST		0	Source: Public

Severe Hazards Analysis and Verification Experiment (SHAVE) report.

FOSTER COUNTY --- 3.0 SW MC HENRY [47.55, -98.65]

06/08/10 16:10 CST	0	Hail (0.88 in)
06/08/10 16:12 CST	0	Source: Public

Severe Hazards Analysis and Verification Experiment (SHAVE) report.

A weak upper level short wave trough combined with a weak surface boundary and marginal wind shear, resulted in scattered thunderstorms developing over portions of central North Dakota during the afternoon hours of Tuesday, June 8th.

BURLEIGH COUNTY --- 5.0 E MOFFIT [46.68, -100.17]

06/16/10 22:47 CST	0	Thunderstorm Wind (MG 50 kt)
06/16/10 22:52 CST	0	Source: RAWS

Recorded at the Long Lake National Wildlife Refuge Remote Automated Weather Station.

BURLEIGH COUNTY --- 0.8 NW BISMARCK [46.81, -100.78]

06/16/10 22:52 CST	50K	Thunderstorm Wind (MG 68 kt)
06/16/10 23:52 CST	0	Source: ASOS

The Automated Surface Observing System site at the Bismarck airport recording strong thunderstorm winds up to 78 miles per hour for around one hour. Numerous tree damage was reported throughout and surrounding the city of Bismarck.

BURLEIGH COUNTY --- 3.1 SE (BIS)BISMARCK MUNI A [46.75, -100.70]

06/16/10 22:52 CST	10K	Thunderstorm Wind (EG 61 kt)
06/16/10 23:10 CST	0	Source: NWS Employee

Strong thunderstorm winds blew down six inch in diameter tree limbs.

BURLEIGH COUNTY --- 1.7 N BISMARCK [46.83, -100.77]

06/16/10 23:00 CST	0	Thunderstorm Wind (EG 56 kt)
06/16/10 23:30 CST	0	Source: Broadcast Media

Strong thunderstorm winds of 50 to 65 miles per hour lasted around thirty minutes on the north side of Bismarck.

EMMONS COUNTY --- 6.5 NW HAZELTON [46.55, -100.37]

06/16/10 23:15 CST	0	Thunderstorm Wind (EG 52 kt)
06/16/10 23:30 CST	0	Source: Trained Spotter

No damage was reported with the strong thunderstorm winds.

BURLEIGH COUNTY --- 7.2 N BISMARCK [46.90, -100.76]

06/16/10 23:20 CST	0	Thunderstorm Wind (EG 56 kt)
06/16/10 23:45 CST	0	Source: NWS Employee

Small to medium tree branches were blown down.

BURLEIGH COUNTY --- 2.1 NNE ARENA [47.16, -100.16]

06/17/10 00:00 CST	0	Thunderstorm Wind (EG 52 kt)
06/17/10 00:20 CST	0	Source: Trained Spotter

No damage was reported with the strong winds.

SHERIDAN COUNTY --- GOODRICH [47.47, -100.12]

06/17/10 00:20 CST	35K	Thunderstorm Wind (EG 61 kt)
06/17/10 00:35 CST	0	Source: Newspaper

Strong thunderstorm winds uprooted several mature trees and caused roof damage in Goodrich. Damage is estimated based on newspaper article.

Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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A large upper level trough moving into the northern Rockies resulted in surface cyclogenesis over eastern Montana. Tornado Watch numbers 326 and 329 were issued in the late afternoon and early evening (respectively) for much of west and central North Dakota Wednesday, June 16th, with possible tornadic thunderstorms developing near a surface warm front lifting north across the Dakotas. Several warnings were issued during the evening across western North Dakota, but no reports were received. Later in the evening, Severe Thunderstorm Watch 331 was issued for south central North Dakota as a small cluster of intense and long-lived thunderstorms over north central South Dakota continued to advect north.

A damaging thunderstorm wind event evolved across south central North Dakota late in the evening of June 16th and into the early morning hours of Thursday, June 17th. Thunderstorms moving across Burleigh, Emmons and Sheridan Counties were able to mix strong mid level winds associated with a nocturnal low level jet to the surface. Numerous reports of strong thunderstorm winds and associated damage were received.

MORTON COUNTY --- 0.5 E ST ANTHONY [46.62, -100.91]

06/17/10 04:30 CST		0	Thunderstorm Wind (EG 61 kt)
06/17/10 04:35 CST		0	Source: Trained Spotter

Heavy rain accompanied the strong winds.

MORTON COUNTY --- 10.4 NNE GLEN ULLIN [46.96, -101.76], 9.7 SW ALMONT [46.64, -101.66], 3.8 ENE ST ANTHONY [46.65, -100.85], 10.7 NNE SWEET BRIAR [46.97, -101.08]

06/17/10 05:38 CST		0.15M	Flash Flood (due to Heavy Rain)
06/17/10 11:00 CST		0	Source: Emergency Manager

Up to six inches of rain fell across portions of western and central Morton County. The heavy rainfall resulted in numerous flooded roadways and flooded basements. Road damage was reported to be extensive in some locations.

Thunderstorms continued over western North Dakota during the early morning hours of June 17th, then redeveloped over south central North Dakota around and after daybreak. As the thunderstorms redeveloped, they became severe with very heavy rain and one report of a severe thunderstorm wind gust.

ADAMS COUNTY --- 0.8 SW HETTINGER [45.99, -102.64], 0.2 SSW HETTINGER [46.00, -102.63]

06/17/10 09:35 MST		25K	Tornado (EF1, L: 0.62 mi , W: 20 yd)
06/17/10 09:40 MST		0	Source: Emergency Manager

This tornado formed just outside of the city of Hettinger, crossed Mirror Lake, where it picked up water, and came into the city on the south side. Tree branches were broken, windows were broken on an apartment building, and an automobile was damaged. The front passenger side of an automobile with two occupants was lifted off the ground a few inches and dropped back down. The occupants saw the narrow tornado spin up the street at them and then lift as it got overhead. They were shook up but no one was injured. Based on the damage done the tornado was rated low end EF1. From that it was determined that the wind speeds were around 90 mph.

KIDDER COUNTY --- 0.5 W CRYSTAL SPGS [46.88, -99.48]

06/17/10 10:55 CST		0	Hail (1.00 in)
06/17/10 11:01 CST		0	Source: Public

STUTSMAN COUNTY --- 4.5 SW WOODWORTH [47.10, -99.36]

06/17/10 11:35 CST		0	Hail (1.00 in)
06/17/10 11:40 CST		0	Source: Trained Spotter

STUTSMAN COUNTY --- 5.5 N WOODWORTH [47.23, -99.30]

06/17/10 11:50 CST		0	Hail (1.00 in)
06/17/10 11:55 CST		0	Source: Trained Spotter

MERCER COUNTY --- 1.6 WNW BEULAH [47.28, -101.81]

06/17/10 12:10 MST		0	Thunderstorm Wind (EG 52 kt)
06/17/10 12:20 MST		0	Source: COOP Observer

No damage was reported with the severe thunderstorm wind gust.

FOSTER COUNTY --- 0.5 E BARLOW [47.57, -99.14]

06/17/10 12:16 CST		0	Hail (0.88 in)
06/17/10 12:23 CST		0	Source: Public

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MERCER COUNTY --- 0.7 S BEULAH [47.26, -101.78]				
	06/17/10 12:16 MST		0	Hail (0.88 in)
	06/17/10 12:22 MST		0	Source: Emergency Manager
BURLEIGH COUNTY --- 0.8 NW BISMARCK [46.81, -100.78]				
	06/17/10 13:06 CST		0	Thunderstorm Wind (MG 59 kt)
	06/17/10 13:16 CST		0	Source: ASOS
No damage was reported with the severe thunderstorm wind gust.				
MCLEAN COUNTY --- 0.8 NW UNDERWOOD [47.46, -101.14]				
	06/17/10 13:25 CST		0	Hail (0.88 in)
	06/17/10 13:32 CST		0	Source: Law Enforcement
BURKE COUNTY --- 4.2 W LARSON [48.89, -102.92], 6.2 NW LARSON [48.94, -102.93]				
	06/17/10 13:31 CST		0	Tornado (EF0, L: 3.48 mi , W: 25 yd)
	06/17/10 13:42 CST		0	Source: Law Enforcement
Local law enforcement reported a visible debris cloud near the ground with this tornado. This tornado touchdown occurred in the open country with no reported damage.				
KIDDER COUNTY --- 6.9 S CRYSTAL SPGS [46.78, -99.46]				
	06/17/10 13:40 CST		0	Hail (1.50 in)
	06/17/10 13:48 CST		0	Source: Public
Hail was accompanied with winds gusting to 50 miles per hour.				
BURLEIGH COUNTY --- 4.3 E MOFFIT [46.68, -100.19]				
	06/17/10 13:47 CST		0	Thunderstorm Wind (MG 53 kt)
	06/17/10 13:57 CST		0	Source: Mesonet
Winds were measured at the Long Lake National Wildlife Refuge Remote Automated Weather Sensor site.				
MCLEAN COUNTY --- MAX [47.82, -101.30]				
	06/17/10 13:55 CST		0	Hail (1.00 in)
	06/17/10 13:59 CST		0	Source: COOP Observer
STUTSMAN COUNTY --- 11.0 NNE STREETER [46.80, -99.26], 4.7 SE MEDINA [46.83, -99.23]				
	06/17/10 13:55 CST		0	Tornado (EF0, L: 2.76 mi , W: 25 yd)
	06/17/10 14:03 CST		0	Source: Law Enforcement
This tornado touched down in rural Stutsman County. There were no reports of damage.				
WELLS COUNTY --- FESSENDEN [47.65, -99.62]				
	06/17/10 14:30 CST		50K	Thunderstorm Wind (EG 70 kt)
	06/17/10 14:45 CST		0	Source: Newspaper
Severe thunderstorm wind gusts resulted in extensive tree damage in and around the city of Fessenden. No structural damage was reported.				
MCHEMRY COUNTY --- 2.4 WNW VOLTAIRE [48.03, -100.88]				
	06/17/10 14:40 CST		40K	Thunderstorm Wind (EG 61 kt)
	06/17/10 14:50 CST		0	Source: Law Enforcement
The strong thunderstorm winds overturned a semi-trailer.				
WARD COUNTY --- 5.0 NNE SAWYER [48.15, -101.02]				
	06/17/10 14:41 CST		15K	Thunderstorm Wind (EG 65 kt)
	06/17/10 14:54 CST		0	Source: Public
Severe thunderstorm winds resulted in several trees to be uprooted.				

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FOSTER COUNTY --- 4.0 ESE CARRINGTON [47.43, -99.05]				
	06/17/10 14:43 CST		40K	Thunderstorm Wind (EG 78 kt)
	06/17/10 14:53 CST		0	Source: Emergency Manager
Severe thunderstorm wind gusts resulted in damage to grain bins near Carrington. Based on pictures and reports from the Foster County Emergency Manager, it was determined that damage was consistent with straight line winds and not a tornado.				
FOSTER COUNTY --- 4.0 ESE CARRINGTON [47.43, -99.05]				
	06/17/10 14:44 CST		30K	Thunderstorm Wind (EG 78 kt)
	06/17/10 14:54 CST		0	Source: Emergency Manager
Severe thunderstorm wind gusts resulted in roof damage to a feed building near Carrington. Based on pictures and reports from the Foster County Emergency Manager, it was determined that damage was consistent with straight line winds and not a tornado.				
STUTSMAN COUNTY --- 2.0 NE PINGREE [47.19, -98.89], 2.4 NE PINGREE [47.19, -98.88]				
	06/17/10 14:44 CST		0	Tornado (EF0, L: 0.40 mi , W: 25 yd)
	06/17/10 14:47 CST		0	Source: Law Enforcement
A brief tornado touchdown occurred in rural Stutsman County. No damage reports were received.				
FOSTER COUNTY --- 3.3 E CARRINGTON [47.45, -99.06]				
	06/17/10 14:45 CST		60K	Thunderstorm Wind (EG 78 kt)
	06/17/10 14:55 CST		0	Source: Emergency Manager
Severe thunderstorm wind gusts resulted in damage to a storage building near Carrington, along with downed power lines. Based on pictures and reports from the Foster County Emergency Manager, it was determined that damage was consistent with straight line winds and not a tornado.				
FOSTER COUNTY --- 4.0 ENE CARRINGTON [47.47, -99.05]				
	06/17/10 14:45 CST		40K	Thunderstorm Wind (EG 78 kt)
	06/17/10 14:55 CST		0	Source: Emergency Manager
Severe thunderstorm wind gusts resulted in roof damage to a farm house and damage to a garage. Based on pictures and reports from the Foster County Emergency Manager, it was determined that damage was consistent with straight line winds and not a tornado.				
WARD COUNTY --- 2.8 N SOUTH PRAIRIE [48.09, -101.30]				
	06/17/10 14:55 CST		0	Thunderstorm Wind (EG 65 kt)
	06/17/10 15:05 CST		0	Source: Public
Heavy rain accompanied the strong thunderstorm winds.				
FOSTER COUNTY --- 2.8 W MC HENRY [47.58, -98.66]				
	06/17/10 15:06 CST		0	Hail (1.00 in)
	06/17/10 15:12 CST		0	Source: COOP Observer
FOSTER COUNTY --- 2.8 W MC HENRY [47.58, -98.66]				
	06/17/10 15:06 CST		0	Thunderstorm Wind (EG 52 kt)
	06/17/10 15:12 CST		0	Source: COOP Observer
The strong thunderstorm wind gust was accompanied with large hail.				
MCHENRY COUNTY --- 0.7 S BERWICK [48.36, -100.25]				
	06/17/10 15:20 CST		15K	Thunderstorm Wind (EG 74 kt)
	06/17/10 15:35 CST		0	Source: Trained Spotter
Severe thunderstorm wind gusts resulted in multiple large trees to become uprooted.				
WARD COUNTY --- 2.4 E BURLINGTON [48.28, -101.37], 4.0 ENE (MOT)MINOT INTL ARPT [48.30, -101.20], 5.5 WNW SAWYER [48.12, -101.16], 5.8 NW SOUTH PRAIRIE [48.12, -101.38]				
	06/17/10 16:10 CST		0.80M	Flash Flood (due to Heavy Rain)
	06/17/10 19:00 CST		0	Source: Newspaper

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Flash flooding occurred in Minot and surrounding areas due to very heavy rain from thunderstorms. The total 24 hour precipitation total for Minot on June 17 was 3.75 inches, with much of this occurring during the mid afternoon hours.

Water ran almost two feet deep over roads in many locations. Many homes reported water damage to their basements with water flowing into basement windows. Drainage systems also became overwhelmed, resulting in sewer backup in some residences. Multiple roads were washed out along with damage to storm sewers. One plugged storm sewer resulted in flooding and floor damage to the basement at the Minot Public High School.

Damage amounts from this event were estimated based on newspaper articles and other storm reports.

Downstream of a strong upper level short wave trough, atmospheric destabilization was occurring late Thursday morning across much of west and central North Dakota in the wake of earlier thunderstorms, along with large scale ascent ahead of the trough resulting in surface low pressure deepening over southwest North Dakota. Tornado Watch number 333 was issued for much of west and all of central North Dakota early in the afternoon of Thursday, June 17th, due to ongoing severe convection and for the expected increase in storm coverage and severity. Storms rapidly intensified throughout the afternoon as large scale ascent and deep layer wind shear increased across the region, and as the surface low lifted northward towards Canada.

Multiple severe thunderstorm and tornado warnings were issued during this event. Two flash flood warnings were issued as well. Numerous reports of large hail, severe thunderstorm winds, and heavy rain were received. More importantly, communication with local officials confirmed there were four tornado touchdowns, one of which resulted in minor damage in the city of Hettinger.

(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

06/18/10 07:00 CST	0	High Wind (MAX 54 kt)
06/18/10 16:00 CST	0	

A deep low pressure system lifting north into south central Canada brought strong westerly winds to the Northern Plains Friday, June 18th. A strong pressure gradient was in place across southwest and south central North Dakota, where sustained winds of 40 miles per hour and gusts to around 60 miles per hour were common.

RENVILLE COUNTY --- 0.8 SSW SHERWOOD [48.96, -101.63]

06/20/10 16:51 CST	0	Hail (0.75 in)
06/20/10 16:56 CST	0	Source: Public

A late afternoon thunderstorm produced one report of large non-severe hail over Renville County in North Central North Dakota.

STARK COUNTY --- 4.9 N TAYLOR [46.97, -102.43]

06/20/10 22:22 MST	0	Thunderstorm Wind (MG 53 kt)
06/20/10 22:32 MST	0	Source: Trained Spotter

Late evening thunderstorms produced a reported severe thunderstorm wind gust over Stark County in Southwest North Dakota.

MCKENZIE COUNTY --- 0.8 NW FAIRVIEW [47.86, -104.04]

06/21/10 19:56 MST	0	Hail (1.00 in)
06/21/10 20:06 MST	0	Source: Public

BOWMAN COUNTY --- 21.3 SW RHAME [46.01, -103.96]

06/21/10 20:43 MST	0	Thunderstorm Wind (EG 52 kt)
06/21/10 20:53 MST	0	Source: Trained Spotter

Heavy rain accompanied the strong thunderstorm winds.

BOWMAN COUNTY --- 3.1 SSW GRIFFIN [46.18, -103.56]

06/21/10 21:02 MST	0	Thunderstorm Wind (EG 52 kt)
06/21/10 21:16 MST	0	Source: Emergency Manager

Strong thunderstorm winds were also reported across southern Bowman County.

ADAMS COUNTY --- 0.5 W HETTINGER [46.00, -102.64]

06/21/10 21:40 MST	0	Thunderstorm Wind (MG 51 kt)
06/21/10 21:50 MST	0	Source: ASOS

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MCKENZIE COUNTY --- 0.7 S GRASSY BUTTE [47.39, -103.25]				
	06/21/10 21:45 MST		0	Hail (0.88 in)
	06/21/10 21:50 MST		0	Source: COOP Observer
ADAMS COUNTY --- 0.5 W HETTINGER [46.00, -102.64]				
	06/21/10 22:06 MST		15K	Thunderstorm Wind (MG 57 kt)
	06/21/10 22:16 MST		0	Source: ASOS
The strong thunderstorm winds resulted in minor tree damage in Hettinger, along with minor damage to one home.				
MCKENZIE COUNTY --- 0.5 E KEENE [47.93, -102.94]				
	06/21/10 22:17 MST		0	Hail (0.75 in)
	06/21/10 22:21 MST		0	Source: Public
HETTINGER COUNTY --- 0.8 SW MOTT [46.37, -102.33]				
	06/21/10 22:40 MST		0	Thunderstorm Wind (EG 52 kt)
	06/21/10 22:50 MST		0	Source: Emergency Manager
Heavy rain accompanied the strong thunderstorm winds.				
SIOUX COUNTY --- SELFRIDGE [46.03, -100.93]				
	06/21/10 23:30 MST		0	Thunderstorm Wind (EG 52 kt)
	06/21/10 23:40 MST		0	Source: Emergency Manager
No hail was reported with the strong thunderstorm winds.				
SIOUX COUNTY --- 9.7 N SELFRIDGE [46.17, -100.93]				
	06/22/10 00:25 MST		0	Thunderstorm Wind (MG 54 kt)
	06/22/10 00:35 MST		0	Source: RAWS
Recorded at the Tatanka Prairie Remote Automated Weather Station.				
MORTON COUNTY --- 0.5 E MANDAN [46.83, -100.89]				
	06/22/10 01:30 CST		0	Thunderstorm Wind (MG 51 kt)
	06/22/10 01:40 CST		0	Source: AWOS
BURLEIGH COUNTY --- 0.8 NW BISMARCK [46.81, -100.78]				
	06/22/10 01:35 CST		0	Heavy Rain
	06/22/10 01:35 CST		0	Source: Law Enforcement
Two inches of heavy rain resulted in the two underpasses in Bismarck to become flooded, with cars stalled in the underpasses.				
EMMONS COUNTY --- HAZELTON [46.48, -100.28]				
	06/22/10 01:45 CST		20K	Thunderstorm Wind (EG 70 kt)
	06/22/10 02:00 CST		0	Source: Newspaper
The intense thunderstorm winds resulted in damage to tree branches in Hazelton, along with minor damage to one home.				
BURLEIGH COUNTY --- 1.9 E MOFFIT [46.68, -100.24]				
	06/22/10 02:00 CST		30K	Thunderstorm Wind (MG 71 kt)
	06/22/10 02:15 CST		0	Source: RAWS
Recorded at the Long Lake National Wildlife Refuge Remote Automated Weather Station. The intense thunderstorm winds created four to five foot high waves on Long Lake, resulting in damage to dikes and railroad ties along the lake shore. No reports of other damage to structures in the area were received.				
STUTSMAN COUNTY --- 5.5 S ELDRIDGE [46.82, -98.84]				
	06/22/10 02:48 CST		0	Hail (1.00 in)
	06/22/10 02:52 CST		0	Source: Trained Spotter

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STUTSMAN COUNTY --- 3.5 SE ELDRIDGE [46.87, -98.77]				
	06/22/10 02:53 CST		0	Thunderstorm Wind (EG 52 kt)
	06/22/10 03:03 CST		0	Source: Trained Spotter
No hail was reported with the strong thunderstorm winds.				
STUTSMAN COUNTY --- 5.0 S PINGREE [47.10, -98.92]				
	06/22/10 02:57 CST		20K	Thunderstorm Wind (EG 61 kt)
	06/22/10 03:10 CST		0	Source: Newspaper
The strong thunderstorm winds resulted in a pole barn overturned on a farmstead south of Pingree.				
In the mid-evening hours of Monday, June 21st, Severe Thunderstorm Watch 375 was issued for ongoing severe thunderstorms over eastern Montana advecting east into western North Dakota, and in anticipation of further convective development and intensification across west and central North Dakota into the early morning hours of Tuesday, June 22nd.				
Strengthening low level warm air advection along a northward surging warm front, combined with divergent flow aloft ahead of an approaching mid level short wave trough, were the key ingredients for severe convection. Multiple severe thunderstorm warnings were issued, along with several flood advisories for excessive rainfall. Four reports of large hail and numerous reports of severe thunderstorm wind gusts were received.				
BURKE COUNTY --- 0.5 W COLUMBUS [48.90, -102.78]				
	06/24/10 18:00 CST		0	Hail (1.00 in)
	06/24/10 18:09 CST		0	Source: Trained Spotter
BURLEIGH COUNTY --- 0.5 W MENOKEN [46.82, -100.53]				
	06/24/10 18:08 CST		0	Hail (0.88 in)
	06/24/10 18:14 CST		0	Source: Public
BURLEIGH COUNTY --- 1.6 ESE FT LINCOLN [46.81, -100.57]				
	06/24/10 18:08 CST		0	Hail (1.00 in)
	06/24/10 18:15 CST		0	Source: Public
DIVIDE COUNTY --- 0.8 NNW NOONAN [48.89, -103.01]				
	06/24/10 18:15 CST		0	Hail (1.50 in)
	06/24/10 18:30 CST		0	Source: Trained Spotter
BURLEIGH COUNTY --- 1.6 ESE FT LINCOLN [46.81, -100.57]				
	06/24/10 18:16 CST		0	Hail (1.00 in)
	06/24/10 18:21 CST		0	Source: Public
DIVIDE COUNTY --- 0.8 NNW NOONAN [48.89, -103.01]				
	06/24/10 18:34 CST		0	Hail (1.00 in)
	06/24/10 18:42 CST		0	Source: Law Enforcement
BURKE COUNTY --- 2.7 W LARSON [48.88, -102.89], 2.1 SSW LIGNITE [48.85, -102.57]				
	06/24/10 18:35 CST		0	Thunderstorm Wind (EG 74 kt)
	06/24/10 19:10 CST		0.50M	Source: Newspaper
Intense straight line thunderstorm winds combined with large hail resulted in extensive damage to crops.				
BURKE COUNTY --- 3.7 SSW KINCAID [48.83, -102.78]				
	06/24/10 18:35 CST		0	Hail (1.00 in)
	06/24/10 18:45 CST		0	Source: COOP Observer
BURKE COUNTY --- 3.7 SSW KINCAID [48.83, -102.78]				
	06/24/10 18:35 CST		75K	Thunderstorm Wind (EG 74 kt)
	06/24/10 18:50 CST		80K	Source: COOP Observer

Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Intense straight line thunderstorm winds resulted in two wood highline poles snapped off, along with numerous reports of tree and crop damage. Three pole barns were also destroyed by the strong winds.

BURKE COUNTY --- 4.0 SW LIGNITE [48.84, -102.61]

	06/24/10 18:35 CST		0.50M	Thunderstorm Wind (EG 74 kt)
	06/24/10 18:50 CST		0	Source: Newspaper

Intense straight line thunderstorm winds resulted in a workover oil rig to blow over, causing substantial damage to the rig.

BURKE COUNTY --- POWERS LAKE [48.57, -102.63]

	06/24/10 18:35 CST		25K	Thunderstorm Wind (EG 74 kt)
	06/24/10 18:50 CST		0	Source: Newspaper

Strong thunderstorm winds resulted in roof damage to a home.

DIVIDE COUNTY --- 0.8 NNW NOONAN [48.89, -103.01]

	06/24/10 18:35 CST		30K	Hail (2.00 in)
	06/24/10 18:47 CST		0	Source: Newspaper

The large hail knocked holes in camper vents. The large hail also busted out the windows on a bus traveling near Noonan.

BURKE COUNTY --- 4.2 SSE LIGNITE [48.82, -102.53]

	06/24/10 18:55 CST		0	Hail (1.00 in)
	06/24/10 19:05 CST		0	Source: Trained Spotter

BURLEIGH COUNTY --- 5.7 SSW MENOKEN [46.74, -100.55]

	06/24/10 18:55 CST		0	Funnel Cloud
	06/24/10 19:05 CST		0	Source: NWS Employee

A rotating wall cloud produced a brief funnel cloud which nearly reached the surface. The funnel cloud was also visible from northwest of Bismarck looking southeast.

BURKE COUNTY --- 0.5 E LIGNITE [48.88, -102.54]

	06/24/10 19:05 CST		0	Hail (1.00 in)
	06/24/10 19:15 CST		0	Source: Law Enforcement

BURKE COUNTY --- 4.2 S LIGNITE [48.82, -102.56]

	06/24/10 19:05 CST		0	Hail (1.50 in)
	06/24/10 19:15 CST		0	Source: Trained Spotter

BURKE COUNTY --- 12.9 S COTEAU [48.57, -102.27]

	06/24/10 19:27 CST		0.10M	Hail (2.50 in)
	06/24/10 19:55 CST		0	Source: Newspaper

Hail up to the size of tennis balls lasted around 30 minutes and covered the ground. The large hail was accompanied with strong winds, and resulted in broken windows, damage to vehicles, and damage to siding and shingles.

BURKE COUNTY --- 11.5 SSE COTEAU [48.59, -102.25]

	06/24/10 19:30 CST		30K	Hail (1.75 in)
	06/24/10 20:00 CST		0	Source: Trained Spotter

Hail up to the size of golf balls lasted 30 minutes and covered the ground. The large hail resulted in damage to the roofs of campers, windows busted out on a home, and damage to a pickup truck.

MOUNTRAIL COUNTY --- LOSTWOOD [48.48, -102.42]

	06/24/10 19:37 CST		0	Thunderstorm Wind (MG 63 kt)
	06/24/10 19:47 CST		0	Source: RAWs

Peak wind speed measured at the Lostwood Remote Automated Weather System site.

WILLIAMS COUNTY --- 1.7 SW TRENTON [48.05, -103.87]

Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/24/10 20:30 CST		0	Hail (1.00 in)
	06/24/10 20:40 CST		0	Source: Public
<hr/>				
SHERIDAN COUNTY --- 5.1 SE MCCLUSKY [47.43, -100.37]				
	06/24/10 20:38 CST		0	Hail (1.50 in)
	06/24/10 20:48 CST		0	Source: Trained Spotter
<hr/>				
MOUNTRAIL COUNTY --- 1.5 NNE PALERMO [48.35, -102.21]				
	06/24/10 20:41 CST		0	Hail (1.75 in)
	06/24/10 20:51 CST		0	Source: Public
<hr/>				
MOUNTRAIL COUNTY --- 2.0 SW TAGUS [48.33, -101.96]				
	06/24/10 21:05 CST		0	Hail (1.50 in)
	06/24/10 21:25 CST		0	Source: Amateur Radio
<hr/>				
Ditches in some areas were reported to be one half to three quarters full of hail.				
<hr/>				
WARD COUNTY --- 5.5 S BERTHOLD [48.24, -101.74]				
	06/24/10 21:10 CST		0	Funnel Cloud
	06/24/10 21:20 CST		0	Source: Trained Spotter
<hr/>				
Funnel clouds continuously dissipated and reformed, but never reached the surface.				
<hr/>				
MCKENZIE COUNTY --- 0.7 N MANDAREE [47.73, -102.68]				
	06/24/10 21:20 MST		0	Hail (1.75 in)
	06/24/10 21:30 MST		0	Source: Public
<hr/>				
No damage reports were received from the large hail.				
<hr/>				
EMMONS COUNTY --- 4.8 S KINTYRE [46.48, -99.95]				
	06/24/10 22:01 CST		0	Hail (1.75 in)
	06/24/10 22:24 CST		0.10M	Source: Trained Spotter
<hr/>				
The large hail resulted in significant damage to crops on a farm south of Kintyre. Crop damage was estimated.				
<hr/>				
LOGAN COUNTY --- 3.5 SW NAPOLEON [46.47, -99.83]				
	06/24/10 22:10 CST		0	Thunderstorm Wind (EG 52 kt)
	06/24/10 22:25 CST		0	Source: Trained Spotter
<hr/>				
Very heavy rain and small hail accompanied the strong thunderstorm winds.				
<hr/>				
MOUNTRAIL COUNTY --- 1.5 SSW PARSHALL [47.95, -102.14]				
	06/24/10 23:10 CST		35K	Thunderstorm Wind (EG 70 kt)
	06/24/10 23:30 CST		0	Source: Public
<hr/>				
The peak wind speed was estimated from numerous reports of tree damage in the Parshall area.				
<hr/>				
MOUNTRAIL COUNTY --- 1.5 SSW PARSHALL [47.95, -102.14]				
	06/24/10 23:20 CST		14K	Hail (1.00 in)
	06/24/10 23:30 CST		0	Source: Public
<hr/>				
The large hail was accompanied with strong thunderstorm winds. The wind driven hail resulted in damage to vehicles and to a screen door window.				
<hr/>				
MOUNTRAIL COUNTY --- 4.7 W PARSHALL [47.98, -102.23]				
	06/24/10 23:52 CST		0	Thunderstorm Wind (MG 51 kt)
	06/25/10 00:02 CST		0	Source: Other Federal Agency
<hr/>				
MOUNTRAIL COUNTY --- 1.5 SSW PARSHALL [47.95, -102.14]				
	06/24/10 23:53 CST		0	Hail (1.00 in)
	06/25/10 00:03 CST		0	Source: Public

Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
MOUNTRAIL COUNTY --- 1.5 SSW PARSHALL [47.95, -102.14]				
	06/25/10 00:03 CST	0		Hail (2.00 in)
	06/25/10 00:13 CST	0		Source: Public
No reports of damage were received from the large hail.				
MCLEAN COUNTY --- 0.5 W ROSEGLLEN [47.75, -101.84]				
	06/25/10 00:31 CST	0		Hail (1.00 in)
	06/25/10 00:43 CST	0		Source: Public
MCLEAN COUNTY --- 2.8 SW GARRISON MUNI ARPT [47.60, -101.42]				
	06/25/10 00:59 CST	0		Hail (1.00 in)
	06/25/10 01:10 CST	0		Source: Park/Forest Service
<p>A weak mid level short wave impulse ejecting east across the Northern Plains, combined with favorable low level wind shear and instability parameters to create a favorable environment for severe thunderstorms. Severe Thunderstorm Watch number 410 was issued for much of west and central North Dakota early in the evening of Thursday, June 24th, for ongoing isolated severe convection and for widely scattered thunderstorms expected to continue throughout the evening and into early Friday morning.</p> <p>Multiple severe thunderstorm warnings and several tornado warnings were issued during Thursday evening and early Friday morning. Numerous reports of large hail, several reports of severe thunderstorm wind gusts, and two funnel cloud reports were received.</p>				
MORTON COUNTY --- 2.6 WNW JUDSON [46.84, -101.32]				
	06/25/10 15:10 CST	0		Hail (1.00 in)
	06/25/10 15:25 CST	0		Source: SHAVE Project
MORTON COUNTY --- 8.0 E NEW SALEM [46.85, -101.25]				
	06/25/10 15:10 CST	0		Hail (0.88 in)
	06/25/10 15:30 CST	0		Source: SHAVE Project
MORTON COUNTY --- 9.7 WNW ST ANTHONY [46.67, -101.11]				
	06/25/10 15:13 CST	0		Funnel Cloud
	06/25/10 15:18 CST	0		Source: Trained Spotter
The funnel cloud appeared briefly then disappeared.				
MORTON COUNTY --- 0.6 WSW JUDSON [46.83, -101.28]				
	06/25/10 15:15 CST	0		Hail (1.00 in)
	06/25/10 15:25 CST	0		Source: SHAVE Project
MORTON COUNTY --- 1.5 NNE JUDSON [46.85, -101.26]				
	06/25/10 15:15 CST	0		Hail (1.00 in)
	06/25/10 15:25 CST	0		Source: Public
MORTON COUNTY --- 0.5 E MANDAN MUNI ARPT [46.77, -100.89]				
	06/25/10 15:30 CST	0		Hail (1.00 in)
	06/25/10 15:40 CST	0		Source: Public
MORTON COUNTY --- 1.1 ESE SWEET BRIAR [46.82, -101.16]				
	06/25/10 15:30 CST	0		Hail (0.88 in)
	06/25/10 15:50 CST	0		Source: SHAVE Project
MORTON COUNTY --- 7.0 ESE SWEET BRIAR [46.78, -101.05]				
	06/25/10 15:40 CST	0		Hail (1.00 in)
	06/25/10 15:50 CST	0		Source: Public
MORTON COUNTY --- 7.0 ESE SWEET BRIAR [46.78, -101.05]				

Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/25/10 15:40 CST		0	Thunderstorm Wind (EG 52 kt)
	06/25/10 15:50 CST		0	Source: Public
Quarter size hail accompanied the strong thunderstorm winds.				
MORTON COUNTY --- 10.5 WSW MANDAN [46.77, -101.11]				
	06/25/10 15:45 CST		0	Hail (1.75 in)
	06/25/10 15:57 CST		0	Source: SHAVE Project
MORTON COUNTY --- 3.6 W MANDAN MUNI ARPT [46.76, -100.98]				
	06/25/10 15:45 CST		0	Hail (0.88 in)
	06/25/10 16:05 CST		0	Source: SHAVE Project
MORTON COUNTY --- 8.2 WSW MANDAN MUNI ARPT [46.71, -101.05]				
	06/25/10 15:45 CST		0	Hail (1.75 in)
	06/25/10 15:55 CST		0	Source: Public
MORTON COUNTY --- 8.4 WSW MANDAN MUNI ARPT [46.70, -101.05]				
	06/25/10 15:45 CST		0	Hail (1.75 in)
	06/25/10 16:11 CST		0	Source: SHAVE Project
MORTON COUNTY --- 4.7 W MANDAN [46.83, -101.00]				
	06/25/10 15:46 CST		0	Hail (1.75 in)
	06/25/10 15:56 CST		0	Source: Law Enforcement
MORTON COUNTY --- 2.5 NW MANDAN [46.86, -100.93]				
	06/25/10 15:48 CST		0	Hail (0.88 in)
	06/25/10 15:58 CST		0	Source: NWS Employee
MORTON COUNTY --- 0.5 E MANDAN [46.83, -100.89]				
	06/25/10 15:50 CST		0	Hail (0.88 in)
	06/25/10 16:00 CST		0	Source: Public
Heavy rain accompanied the large hail.				
MORTON COUNTY --- 2.1 SSE MANDAN MUNI ARPT [46.74, -100.89]				
	06/25/10 15:50 CST		2K	Thunderstorm Wind (EG 65 kt)
	06/25/10 16:00 CST		0	Source: Public
Time of event is based on radar. The strong thunderstorm winds resulted in a six inch in diameter cottonwood tree snapped in half.				
MORTON COUNTY --- 4.2 N SWEET BRIAR [46.89, -101.18]				
	06/25/10 15:50 CST		2K	Thunderstorm Wind (EG 65 kt)
	06/25/10 16:01 CST		0	Source: SHAVE Project
Strong thunderstorm winds uprooted fence posts.				
MORTON COUNTY --- 4.8 NNE ST ANTHONY [46.68, -100.87]				
	06/25/10 15:50 CST		15K	Thunderstorm Wind (EG 65 kt)
	06/25/10 16:00 CST		0	Source: Public
Time of event is based on radar imagery. The strong thunderstorm winds resulted in several mature trees snapped or uprooted.				
MORTON COUNTY --- 1.5 NW SWEET BRIAR [46.85, -101.20]				
	06/25/10 15:51 CST		0	Hail (1.25 in)
	06/25/10 15:57 CST		0	Source: SHAVE Project
MORTON COUNTY --- 5.1 WSW MANDAN MUNI ARPT [46.74, -101.00], 4.0 SW MANDAN MUNI ARPT [46.73, -100.97]				

Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/25/10 15:55 CST		0.20M	Tornado (EF1, L: 1.64 mi , W: 50 yd)
	06/25/10 16:05 CST		50K	Source: Public
<hr/>				
MORTON COUNTY --- 4.5 WSW MANDAN MUNI ARPT [46.75, -100.99]				
	06/25/10 16:00 CST		4K	Thunderstorm Wind (EG 65 kt)
	06/25/10 16:20 CST		0	Source: Public
<hr/>				
The strong thunderstorm winds blew down four inch in diameter tree limbs.				
<hr/>				
MORTON COUNTY --- 7.5 S MANDAN [46.72, -100.90]				
	06/25/10 16:00 CST		0	Hail (1.00 in)
	06/25/10 16:20 CST		0	Source: SHAVE Project
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MORTON COUNTY --- 4.5 WSW MANDAN MUNI ARPT [46.75, -100.99]				
	06/25/10 16:15 CST		5K	Thunderstorm Wind (EG 61 kt)
	06/25/10 16:30 CST		0	Source: Amateur Radio
<hr/>				
The strong thunderstorm winds blew down two large metal bins.				
<hr/>				
EMMONS COUNTY --- 13.2 NW HAZELTON [46.62, -100.47]				
	06/25/10 16:17 CST		0	Hail (1.00 in)
	06/25/10 16:30 CST		0	Source: NWS Employee
<hr/>				
EMMONS COUNTY --- 13.8 W HAZELTON [46.48, -100.57]				
	06/25/10 16:30 CST		0	Hail (1.75 in)
	06/25/10 16:40 CST		0	Source: Public
<hr/>				
EMMONS COUNTY --- 14.7 W LINTON MUNI ARPT [46.24, -100.54], 14.3 W LINTON MUNI ARPT [46.24, -100.53]				
	06/25/10 16:35 CST		0	Tornado (EF0, L: 0.48 mi , W: 20 yd)
	06/25/10 16:37 CST		0	Source: Broadcast Media
<hr/>				
A broadcast meteorologist reported this weak tornado. It impacted no structures and so did no damage.				
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MORTON COUNTY --- 2.3 SSE MANDAN MUNI ARPT [46.74, -100.88]				
	06/25/10 16:37 CST		0	Hail (1.25 in)
	06/25/10 16:45 CST		0	Source: SHAVE Project
<hr/>				
MORTON COUNTY --- 2.3 SSE MANDAN MUNI ARPT [46.74, -100.88]				
	06/25/10 16:38 CST		3K	Thunderstorm Wind (EG 65 kt)
	06/25/10 16:48 CST		0	Source: SHAVE Project
<hr/>				
The strong thunderstorm winds snapped a six inch in diameter tree.				
<hr/>				
BURLEIGH COUNTY --- 6.4 S (BIS)BISMARCK MUNI A [46.69, -100.73]				
	06/25/10 16:49 CST		0	Hail (0.88 in)
	06/25/10 16:54 CST		0	Source: SHAVE Project
<hr/>				
EMMONS COUNTY --- 4.5 NW HAZELTON [46.53, -100.34]				
	06/25/10 16:50 CST		0	Hail (1.00 in)
	06/25/10 17:00 CST		0	Source: COOP Observer
<hr/>				
MORTON COUNTY --- GLEN ULLIN [46.82, -101.83]				
	06/25/10 17:15 CST		0	Hail (1.75 in)
	06/25/10 17:25 CST		0	Source: Trained Spotter
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MORTON COUNTY --- 3.3 W ALMONT [46.73, -101.57], ALMONT [46.73, -101.50]				

Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/25/10 17:30 CST		0	Hail (2.75 in)
	06/25/10 17:45 CST		0	Source: Trained Spotter

No reports of damage accompanied the very large hail.

MOUNTRAIL COUNTY --- 1.4 W NEW TOWN [47.98, -102.51]

06/25/10 17:46 CST	0	Hail (1.00 in)
06/25/10 17:55 CST	0	Source: Public

MORTON COUNTY --- 11.3 WNW ST ANTHONY [46.66, -101.15]

06/25/10 18:05 CST	50K	Hail (2.75 in)
06/25/10 18:20 CST	0.10M	Source: Trained Spotter

The very large hail resulted in significant damage to crops and vehicles.

WARD COUNTY --- 5.5 N KENMARE [48.75, -102.08]

06/25/10 19:57 CST	0	Funnel Cloud
06/25/10 20:00 CST	0	Source: Law Enforcement

A brief funnel cloud formed, but never reached the ground.

MCINTOSH COUNTY --- ZEELAND [45.97, -99.83]

06/25/10 20:38 CST	0	Hail (1.50 in)
06/25/10 20:48 CST	0	Source: Trained Spotter

An upper level short wave trough advecting east across the Montana Rockies, combined with moderate wind shear, multiple weak low level boundaries, and a very unstable airmass, resulted in the issuance of Severe Thunderstorm Watch number 411 for south central North Dakota during the late afternoon and evening hours of Friday, June 25th.

Multiple thunderstorm warnings were issued during this event. Numerous reports of large hail, several reports of severe thunderstorm winds, and two funnel cloud reports were received.

BURLEIGH COUNTY --- BALDWIN [47.03, -100.77]

06/26/10 07:28 CST	1K	Lightning
06/26/10 07:28 CST	0	Source: Newspaper

A lightning strike triggered a fire which burned a stack of 100 straw bales.

GOLDEN VALLEY COUNTY --- BEACH [46.92, -104.00]

06/26/10 13:52 MST	0	Hail (1.00 in)
06/26/10 13:59 MST	0	Source: Amateur Radio

WARD COUNTY --- 2.0 ESE CARPIO [48.44, -101.71]

06/26/10 13:55 CST	0	Funnel Cloud
06/26/10 13:59 CST	0	Source: Public

A thunderstorm developing along an outflow boundary produced a brief funnel cloud.

MOUNTRAIL COUNTY --- 3.5 NW STANLEY [48.36, -102.43]

06/26/10 14:15 CST	35K	Thunderstorm Wind (EG 56 kt)
06/26/10 14:25 CST	0	Source: Newspaper

Severe thunderstorm winds damaged the rafters on a machine storage building. The building was under construction with only the frame of the building finished. Time of the event was based on radar.

BILLINGS COUNTY --- 6.3 SE FAIRFIELD [47.12, -103.12]

06/26/10 14:50 MST	0	Hail (1.75 in)
06/26/10 15:00 MST	0	Source: Fire Department/Rescue

DUNN COUNTY --- 7.1 NW NEW HRADEC [47.07, -102.99]

Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/26/10 14:57 MST		0	Hail (1.75 in)
	06/26/10 15:07 MST		0	Source: Public

EMMONS COUNTY --- 16.3 W WESTFIELD [46.03, -100.54]

06/26/10 18:24 CST	6K	Thunderstorm Wind (EG 65 kt)
06/26/10 18:35 CST	0	Source: NWS Employee

Severe thunderstorm winds resulted in damage to a garage wall.

EMMONS COUNTY --- 2.9 SSW HAGUE [45.99, -100.00]

06/26/10 19:00 CST	0	Hail (1.00 in)
06/26/10 19:10 CST	75K	Source: COOP Observer

The large hail was accompanied with strong winds up to 50 miles per hour, resulting in severe crop damage.

EMMONS COUNTY --- 4.3 SSW HAGUE [45.97, -100.00]

06/26/10 19:05 CST	0	Hail (1.00 in)
06/26/10 19:15 CST	0	Source: Trained Spotter

EMMONS COUNTY --- 4.3 SSW HAGUE [45.97, -100.00]

06/26/10 19:05 CST	0	Thunderstorm Wind (EG 52 kt)
06/26/10 19:15 CST	0	Source: Trained Spotter

The severe thunderstorm winds were accompanied with large hail.

During the early to mid afternoon hours of Saturday, June 26th, Severe Thunderstorm Watch numbers 416 and 417 were issued for west and central North Dakota, in anticipation of increasing thunderstorm activity behind, along, and ahead of a surface cold front pushing east across the state. A short wave trough moving east across the Northern Plains provided the necessary trigger mechanism, with ample atmospheric instability and supportive wind shear already present.

Several severe weather warnings were issued. Several reports of large hail, one funnel cloud report, and two reports of severe thunderstorm winds were received.

Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Picture courtesy of broadcast media.

BOWMAN COUNTY --- 16.8 SSW RHAME [46.01, -103.80]

06/30/10 19:28 MST	0	Thunderstorm Wind (EG 52 kt)
06/30/10 19:36 MST	0	Source: Trained Spotter

No reports of damage from the strong winds was reported.

BOWMAN COUNTY --- 2.1 SSW BUFFALO SPGS [46.14, -103.24]

06/30/10 19:30 MST	3K	Thunderstorm Wind (EG 52 kt)
06/30/10 19:40 MST	0	Source: Public

A large mature tree was blown down by the strong thunderstorm winds.

BOWMAN COUNTY --- 5.6 S GRIFFIN [46.14, -103.55]

06/30/10 19:30 MST	0	Thunderstorm Wind (EG 52 kt)
06/30/10 19:41 MST	0	Source: Public

This report was relayed by the Bowman County Emergency Manager.

BOWMAN COUNTY --- 0.5 E BOWMAN [46.18, -103.39]

06/30/10 19:35 MST	0	Thunderstorm Wind (MG 64 kt)
06/30/10 19:45 MST	0	Source: AWOS

Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
BOWMAN COUNTY --- 0.5 W SCRANTON [46.15, -103.14]				
	06/30/10 19:35 MST		0	Thunderstorm Wind (EG 52 kt)
	06/30/10 19:45 MST		0	Source: Public

This report was relayed by the Bowman County Emergency Manager.

BOWMAN COUNTY --- 2.9 W BOWMAN ARPT [46.18, -103.48]				
	06/30/10 19:35 MST		0	Thunderstorm Wind (EG 52 kt)
	06/30/10 19:46 MST		0	Source: Public

This report was relayed by the Bowman County Emergency Manager.

BOWMAN COUNTY --- 0.7 N BUFFALO SPGS [46.18, -103.23]				
	06/30/10 19:52 MST		0	Thunderstorm Wind (EG 61 kt)
	06/30/10 20:02 MST		0	Source: Trained Spotter

No reports of damage accompanied the strong thunderstorm winds.

GOLDEN VALLEY COUNTY --- BEACH [46.92, -104.00]				
	06/30/10 20:36 MST		50K	Thunderstorm Wind (EG 56 kt)
	06/30/10 20:46 MST		0	Source: Trained Spotter

The strong thunderstorm winds blew down multiple cottonwood and evergreen trees. Some of the trees were 18 inches in diameter. Power lines were also reported down.

BILLINGS COUNTY --- 2.0 NW FRYBURG [46.89, -103.35]				
	06/30/10 21:13 MST		0	Thunderstorm Wind (MG 52 kt)
	06/30/10 21:18 MST		0	Source: RAWS

DUNN COUNTY --- 0.9 E KILLDEER [47.37, -102.75]				
	06/30/10 21:40 MST		70K	Thunderstorm Wind (MG 59 kt)
	06/30/10 21:55 MST		0	Source: Emergency Manager

Trees and power lines were reported down from the intense thunderstorm winds. In addition, a roof was partially torn off of the Buckskin Bar and Grill and an exterior sign was blown off of another building in Killdeer. Damage was also sustained to other buildings, along with two lightning related fires.

During the early to mid evening hours of Wednesday, June 30th, Severe Thunderstorm Watch number 434 was issued for southwest and west central North Dakota. Strong to severe storms over southeast Montana were expected to advect into North Dakota. These thunderstorms were associated with a weak mid level wave lifting northeast into the Northern Plains. The watch was later expanding to include north central North Dakota as a nocturnal low level jet developed and intensified across the Dakotas, helping to sustain severe convection into the early morning hours of Thursday, July 1st.

Multiple severe thunderstorm warnings were issued. Numerous reports of severe thunderstorm wind gusts were received Wednesday evening.

Please see the storm data entry for July 1st for additional reports related to this episode.