

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>IOWA, Southwest</b>				
<b>HARRISON COUNTY --- 0.5 E MODALE [41.62, -96.01]</b>				
	06/01/10 16:38 CST		0	Hail (0.88 in)
	06/01/10 16:48 CST		0	Source: Trained Spotter
Nickel size hail fell for around 10 minutes.				
<b>POTTAWATTAMIE COUNTY --- 0.3 SE LOVELAND [41.50, -95.89], 1.0 W CRESCENT [41.37, -95.89]</b>				
	06/01/10 16:38 CST		0	Thunderstorm Wind (EG 55 kt)
	06/01/10 16:43 CST		0	Source: Amateur Radio
Thunderstorm wind gusts estimated at over 60 mph caused sign and tree damage from the vicinity of I29 near Loveland to around Crescent.				
<b>HARRISON COUNTY --- 0.7 S MISSOURI VLY [41.56, -95.90]</b>				
	06/01/10 16:45 CST		0	Hail (1.00 in)
	06/01/10 16:45 CST		0	Source: Amateur Radio
<b>POTTAWATTAMIE COUNTY --- UNDERWOOD [41.38, -95.68]</b>				
	06/01/10 17:15 CST		0	Thunderstorm Wind (EG 55 kt)
	06/01/10 17:25 CST		0	Source: Newspaper
Thunderstorm wind gusts estimated at over 60 mph caused scattered tree and outbuilding damage in the Underwood area. Trees were downed, some power poles were snapped and others tipped and a few sheds were blown away. The entire town lost power for a while because of the storm.				
<b>HARRISON COUNTY --- 1.6 W EUCLID [41.55, -95.88], 1.4 SSW MISSOURI VLY [41.55, -95.91], 0.4 WSW MISSOURI VLY [41.57, -95.91], 0.3 ESE MISSOURI VLY [41.57, -95.89]</b>				
	06/01/10 17:30 CST		5K	Flash Flood (due to Heavy Rain)
	06/01/10 19:30 CST		0	Source: Newspaper
Rainfall of around 2 inches in about an hours time caused localized flash flooding in the Missouri Valley area. Several feet of water rushed across Highway 30 on the west of the town prompting its closure.				
<b>POTTAWATTAMIE COUNTY --- UNDERWOOD [41.38, -95.68], 0.8 NW UNDERWOOD [41.39, -95.69], 1.2 N UNDERWOOD [41.40, -95.68], 1.1 NNE UNDERWOOD [41.39, -95.67]</b>				
	06/01/10 17:45 CST		20K	Flash Flood (due to Heavy Rain)
	06/01/10 18:45 CST		0	Source: Newspaper
Heavy rain of around 2 inches fell in about an hours time in the Underwood area. The rain caused a lot of lowland flooding around the Underwood area with several roads under water for a time. Some water damage was also noted around town either by it entering basements or collecting on flat rooftops.				
<b>PAGE COUNTY --- 0.9 NW BRADYVILLE [40.58, -95.04]</b>				
	06/01/10 19:22 CST		0	Hail (1.00 in)
	06/01/10 19:22 CST		0	Source: Trained Spotter
The hail was accompanied by thunderstorm winds estimated at around 55 mph.				
<p>Supercell thunderstorms developed in northeast Nebraska as a warm front pressed north toward that region and a cold front was dropping south through north central Nebraska. South of the warm front temperatures climbed to around 90 degrees with dewpoint temperatures around 70. Meanwhile north of the cold front temperatures were in the 60s and 70s. As the two boundaries merged in the late afternoon the storms merged into a line which pushed southeast across the Omaha area and into western Iowa. The northern end of the thunderstorms that raked across northern Omaha was the beginning of a derecho that brought wind damage to parts of 4 states as it swept eastward. The storms also produced large hail and isolated flooding reports due to 2 inches or so of rain that fell in under an hour or two.</p>				
<b>FREMONT COUNTY --- IMOGENE [40.88, -95.43]</b>				
	06/04/10 23:26 CST		0	Hail (2.50 in)
	06/04/10 23:26 CST		0	Source: Law Enforcement
Hail around baseball-size was reported by law enforcement around Imogene.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>PAGE COUNTY --- ESSEX [40.83, -95.30]</b>				
	06/04/10 23:30 CST		0	Hail (1.75 in)
	06/04/10 23:43 CST		0	Source: Emergency Manager
Emergency management reported that hail up to golf ball-size fell for 10 to 15 minutes in the Essex area. The hail for the most part came straight down with little if any wind.				
<b>MONTGOMERY COUNTY --- 0.9 SE RED OAK [41.01, -95.22]</b>				
	06/05/10 01:35 CST		0	Thunderstorm Wind (MG 51 kt)
	06/05/10 01:35 CST		0	Source: AWOS
The Awos in Red Oak measured a thunderstorm wind gust of 59 mph.				
<b>FREMONT COUNTY --- HAMBURG [40.60, -95.65], 5.2 SSW HAMBURG REIDS ARPT [40.52, -95.70], 5.9 SSW HAMBURG REIDS ARPT [40.50, -95.68], 4.6 SSE HAMBURG REIDS ARPT [40.52, -95.62], 1.9 ENE HAMBURG [40.61, -95.62], 2.6 SW RIVERTON [40.66, -95.61], 3.1 W RIVERTON [40.67, -95.63]</b>				
	06/06/10 00:00 CST		0	Flood (due to Heavy Rain)
	06/06/10 07:45 CST		0	Source: River/Stream Gage
Rainfall of 2 to 3 inches fell in around 6 hours over much of the central and upper reaches of the Nishnabotna River during the late evening and morning hours of June 4th and 5th. The heavy rain caused the Nishnabotna River to climb about a half of foot above its 23 foot flood stage during the early morning hours of June 6th. Levees along the river protected much of the area from significant damage although some fields were flooded.				
<b>Thunderstorms developed along a nearly stalled front that stretched from central Nebraska into southwest Iowa. The storms were fed by a moderately strong low level jet which impinged on the front with dew point temperatures south of the boundary in the 65 to 70 degree range. Besides dropping heavy rain, one storm in southwest Iowa produced very large hail, while a few of the storms in eastern Nebraska produced hail and strong winds.</b>				
<b>MILLS COUNTY --- 3.4 WNW FOLSOM [41.12, -95.88], 4.6 SW PACIFIC JCT [40.98, -95.87], 7.2 W TABOR [40.89, -95.81], 1.8 SSW PACIFIC JCT [41.00, -95.82], 2.3 NW FOLSOM [41.12, -95.85]</b>				
	06/11/10 11:30 CST		50K	Flood (due to Heavy Rain)
	06/30/10 23:59 CST		0	Source: Official NWS Observations
Heavy rain over much of eastern Nebraska and western Iowa during most of June caused a prolonged period of flooding along the Missouri River, especially downstream of Omaha through Rulo. The flood damage was increased near the confluence of the Platte River where flood waters from the Platte added to the flow. In Plattsmouth the Missouri River crested a little over 33 feet in the late afternoon of June 22nd, flood stage is 26 feet. The river climbed above flood stage in the afternoon of June 11 and remained above flood stage into July. Several mobile home and camping communities along the river were flooded, including some trailers and mobile homes. Roads and farmland along the river were also flooded.				
<b>FREMONT COUNTY --- 2.9 W HAMBURG [40.60, -95.70], 1.9 NNW PERCIVAL [40.77, -95.81], 1.5 NNW BARTLETT [40.90, -95.79], 4.9 WNW BARTLETT [40.91, -95.87], 5.7 W PERCIVAL [40.75, -95.91], 5.0 SW PAYNE [40.61, -95.81]</b>				
	06/11/10 11:45 CST		10K	Flood (due to Heavy Rain)
	06/30/10 23:59 CST		0	Source: Official NWS Observations
Heavy rain over much of eastern Nebraska and western Iowa during most of June caused a prolonged period of flooding along the Missouri River, especially downstream of Omaha through Rulo. The river near Nebraska City climbed above flood stage early in the afternoon on June 11th and remained above flood stage into July. The river at Nebraska City crested around or a little over 25 feet during the afternoon of June 16th and June 21st. Flood stage is 18 feet. Some roads near the river were flooded along with some cabins, boat ramps and recreation areas.				
<b>POTTAWATTAMIE COUNTY --- 4.6 W GRABLE [41.48, -96.01], 1.8 S GRABLE [41.44, -95.92], 2.3 WSW ASCOT [41.34, -95.94], 0.7 SSE CARTER LAKE [41.29, -95.87], 2.0 SSE COUNCIL BLUFFS ARPT [41.24, -95.92]</b>				
	06/15/10 18:00 CST		5K	Flood (due to Heavy Rain)
	06/30/10 23:59 CST		0	Source: Newspaper
Heavy rain over much of eastern Nebraska and western Iowa during most of June caused a prolonged period of flooding along the Missouri River, especially downstream of Omaha through Rulo. In addition, increased flows from the Platte River caused the Missouri River to back up a bit increasing levels in the Council Bluffs area and just upstream. The high waters flooded Wilson Island Park for over a week and also crossed a few roads by the river and approached the parking lots of riverboat casinos.				
<b>Heavy rain during the first 10 or 11 days of June caused the Missouri River to flood from around Plattsmouth downstream through Rulo. The flooding lasted through July downstream of Plattsmouth.</b>				
<b>FREMONT COUNTY --- HAMBURG [40.60, -95.65], 0.5 N HAMBURG REIDS ARPT [40.59, -95.65], 1.3 ENE HAMBURG REIDS ARPT [40.58, -95.63], 1.0 SW RIVERTON [40.67, -95.59], 2.5 W RIVERTON [40.68, -95.62]</b>				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/11/10 12:00 CST		5K	Flood (due to Heavy Rain)
	06/16/10 10:30 CST		0	Source: Official NWS Observations

Heavy rain prior to and after June 11 caused flooding of the Nishnabotna River in southwest Iowa. The river near Hamburg crested at almost 27 feet around midnight CDT on June 15. Flood stage is 23 feet. The river near Hamburg was above flood stage from the early afternoon of June 11 until the late morning of June 16th. Levees near town protected significant damage, but some agricultural lowlands near the river were flooded as were some other places near town.

**An upper level trough over the western U.S. pushed a cold front into central Nebraska during the overnight hours of June 11th and 12th. This system brought scattered heavy-rain producing thunderstorms to eastern Nebraska and western Iowa which produced some flooding. Additional heavy rain that fell on June 13th in western Iowa caused even more flooding or prolonged ongoing flooding.**

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<b>FREMONT COUNTY --- RANDOLPH [40.87, -95.57], 17.3 N IMOGENE [41.13, -95.42], 18.2 N IMOGENE [41.14, -95.48], 2.1 WNW RANDOLPH [40.88, -95.61]</b>				
	06/14/10 08:00 CST		1K	Flood (due to Heavy Rain)
	06/14/10 14:00 CST		0	Source: Official NWS Observations

Heavy rain over a 3 or 4 day period caused the West Nishnabotna River to briefly surpass its 19 foot flood stage near Randolph. The river crested at almost 19.5 feet around noon on the 14th. Some rural lowlands near the river were flooded.

**Heavy rain over a 3 or 4 day period caused minor flooding along the West Nishnabotna River near Randolph.**

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<b>HARRISON COUNTY --- 2.9 SW WOODBINE [41.70, -95.76]</b>				
	06/17/10 19:35 CST		0	Hail (1.00 in)
	06/17/10 19:35 CST		0	Source: Trained Spotter

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<b>HARRISON COUNTY --- 0.9 NE WOODBINE [41.74, -95.71]</b>				
	06/17/10 20:08 CST		0	Hail (1.00 in)
	06/17/10 20:08 CST		0	Source: Public

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<b>HARRISON COUNTY --- 1.5 SSE WOODBINE MUNI ARPT [41.71, -95.67]</b>				
	06/17/10 20:12 CST		0	Hail (0.75 in)
	06/17/10 20:12 CST		0	Source: Trained Spotter

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<b>HARRISON COUNTY --- 1.7 SW HARD SCRATCH [41.60, -95.74]</b>				
	06/17/10 20:14 CST		0	Hail (0.75 in)
	06/17/10 20:14 CST		0	Source: Public

**An upper level trough that lifted from the Rockies across North Dakota from 6/17 into 6/18 caused a weak cold front to push into southeast Nebraska and southwest Iowa during the evening of 6/17. This brought scattered thunderstorms to the region that produced several reports of hail up to quarter-size.**

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<b>POTTAWATTAMIE COUNTY --- 0.7 S UNDERWOOD [41.37, -95.68], 3.0 NE UNDERWOOD [41.41, -95.64]</b>				
	06/18/10 07:05 CST		0	Thunderstorm Wind (EG 55 kt)
	06/18/10 07:10 CST		0	Source: Law Enforcement

Thunderstorm wind gusts estimated at over 60 mph blew a truck and camper and a semi off of Interstate 80 near Underwood. The winds also downed a few trees and power lines in Underwood. Around 3000 customers lost power in the Hancock and Underwood area.

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<b>POTTAWATTAMIE COUNTY --- 1.3 ESE HANCOCK [41.39, -95.35]</b>				
	06/18/10 07:30 CST		0	Thunderstorm Wind (EG 55 kt)
	06/18/10 07:30 CST		0	Source: Law Enforcement

Thunderstorm wind gusts estimated at over 60 mph uprooted a few trees near Hancock and knocked down power lines. Around 3000 customers lost power in the Hancock and Underwood area.

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<b>SHELBY COUNTY --- HARLAN [41.65, -95.33], 4.0 E HARLAN [41.65, -95.25]</b>				
	06/18/10 07:35 CST		0	Thunderstorm Wind (MG 53 kt)
	06/18/10 07:44 CST		0	Source: AWOS

A thunderstorm wind gust of 61 mph was measured by the Awos at the Harlan airport. The winds downed several large tree limbs in the area.

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<b>MONTGOMERY COUNTY --- 3.6 W ELLIOTT [41.15, -95.24]</b>				
	06/18/10 08:10 CST		0	Thunderstorm Wind (EG 50 kt)
	06/18/10 08:10 CST		0	Source: Public
Thunderstorm wind gusts estimated at around 60 mph downed large tree branches in the area.				
<b>MONTGOMERY COUNTY --- 0.5 E ELLIOTT [41.15, -95.16]</b>				
	06/18/10 08:20 CST		0	Hail (0.88 in)
	06/18/10 08:20 CST		0	Source: Trained Spotter
An upper level low pressure system lifted from the Rockies across North Dakota during the overnight hours of June 18th which caused a front to work into southeast Nebraska and southwest Iowa. Scattered thunderstorms developed near this front in northeast Nebraska during the predawn hours. The storms then formed a line and brought damaging winds and some large hail as they turned southeast and raced across east central Nebraska and southwest Iowa.				
<b>FREMONT COUNTY --- HAMBURG [40.60, -95.65], 0.6 N HAMBURG REIDS ARPT [40.59, -95.65], 1.2 ENE HAMBURG REIDS ARPT [40.59, -95.63], 2.0 SW RIVERTON [40.66, -95.60], 3.3 WSW RIVERTON [40.67, -95.63]</b>				
	06/22/10 05:00 CST		4K	Flood (due to Heavy Rain)
	06/25/10 05:00 CST		0	Source: Official NWS Observations
Heavy rain on June 22nd and 23rd caused flooding of the Nishnabotna River in southwest Iowa. The river near Hamburg crested at almost 27 feet during the morning of June 24th. Flood stage is 23 feet. The river near Hamburg was above flood stage from the morning of June 22 until the morning of June 25th. Levees near town protected significant damage, but some agricultural lowlands near the river were flooded.				
<b>MONTGOMERY COUNTY --- 3.7 WSW ELLIOTT [41.13, -95.23], 2.4 ESE ELLIOTT [41.13, -95.13], 2.6 ENE COBURG [40.93, -95.23], 1.8 WNW COBURG [40.93, -95.31]</b>				
	06/22/10 14:30 CST		1K	Flood (due to Heavy Rain)
	06/22/10 21:45 CST		0	Source: Official NWS Observations
Heavy rain prior to and including June 22nd caused the East Nishnabotna River near Red Oak to briefly go above its 18 foot flood stage. The river crested a little over 19 feet early in the evening of June 22nd. Minor flooding of agricultural lowlands was noted.				
<b>HARRISON COUNTY --- 2.1 N RIVER SIOUX [41.83, -96.05], 2.9 N PISGAH [41.87, -95.93]</b>				
	06/22/10 22:00 CST		0	Thunderstorm Wind (EG 56 kt)
	06/22/10 22:15 CST		0	Source: COOP Observer
Thunderstorm wind gusts estimated at over 60 mph downed trees and caused outbuilding damage near Little Sioux and a Scout ranch in the area.				
<b>POTTAWATTAMIE COUNTY --- 0.5 E CRESCENT [41.37, -95.86]</b>				
	06/22/10 22:20 CST		0	Thunderstorm Wind (EG 52 kt)
	06/22/10 22:20 CST		0	Source: Public
Thunderstorm winds estimated at 60 mph downed a few trees near Crescent.				
An upper level disturbance lifted from the central Rockies across Nebraska during the overnight hours of June 22nd and 23rd. As it did a warm front along the Kansas border lifted north across eastern Nebraska and western Iowa. Thunderstorms that developed near the front in the late afternoon and early evening of the 22nd lifted northeast across the region that evening. The storms turned severe late in the evening, producing mainly strong wind gusts but also heavy rain which aggravated some ongoing flooding.				
<b>(IA-Z069) POTTAWATTAMIE, (IA-Z079) MILLS, (IA-Z080) MONTGOMERY, (IA-Z090) FREMONT, (IA-Z091) PAGE</b>				
	06/26/10 14:00 CST		0	Heat
	06/26/10 17:00 CST		0	
Temperatures across eastern Nebraska and southwest Iowa climbed into the lower to mid 90s during the afternoon of June 26th. When combined with dew point temperatures in the 75 to 80 degree range, heat index values reached between 105 and 110 degrees for several hours.				
<b>MONTGOMERY COUNTY --- RED OAK [41.02, -95.23], 1.9 ENE COBURG [40.93, -95.25], 0.8 W COBURG [40.92, -95.29], 2.1 W STENNETT [41.08, -95.24], 1.3 E STENNETT [41.08, -95.18]</b>				
	06/27/10 11:30 CST		2K	Flood (due to Heavy Rain)
	06/28/10 06:00 CST		0	Source: Official NWS Observations

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Heavy rain during the morning of June 27th caused flooding of the East Nishnabotna River near Red Oak. The river near Red Oak crested at around 22 feet during the late evening of June 27th, flood stage is 18 feet. The river was above flood stage near Red Oak from the afternoon of the 27th until the morning of the 28th. Minor flooding of agricultural lowlands was noted.

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**POTTAWATTAMIE COUNTY --- 2.0 NW AVOCA [41.50, -95.38], 2.5 ENE AVOCA [41.50, -95.31], 1.3 E MACEDONIA [41.20, -95.41], 2.5 WNW MACEDONIA [41.21, -95.48]**

	06/27/10 13:00 CST		1K	Flood (due to Heavy Rain)
	06/27/10 18:00 CST		0	Source: Official NWS Observations

Heavy rain during the early morning hours of June 27th caused the West Nishnabotna River to briefly surpass flood stage around Hancock. The river crested at close to 14.5 feet during the afternoon of the 27th, flood stage is 14 feet. Some minor flooding occurred near a park in Hancock along with agricultural lowlands.

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**MONONA COUNTY --- TURIN [42.02, -95.97], 0.2 N CASTANA MAYNARD ARPT [42.15, -95.97], 2.4 SW GRANT CENTER [42.14, -96.03], 2.9 ESE BLENCOE [41.91, -96.03], 3.0 WSW MOORHEAD [41.91, -95.92]**

	06/27/10 18:45 CST		5K	Flood (due to Heavy Rain)
	06/30/10 23:59 CST		0	Source: Official NWS Observations

Heavy rain during the morning of June 27th caused flooding of the Little Sioux River. The river near Turin crested at around 24.5 feet during the early morning hours of June 30. Flood stage is 20 feet. The river was above flood stage near Turin from the early evening of the 27th through July 2nd. A levee along the river protected significant flooding although some agricultural lowlands were flooded.

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**FREMONT COUNTY --- HAMBURG [40.60, -95.65], 0.5 N HAMBURG REIDS ARPT [40.59, -95.65], 1.3 ENE HAMBURG REIDS ARPT [40.59, -95.63], 1.4 SW RIVERTON [40.66, -95.59], 3.2 WSW RIVERTON [40.67, -95.63]**

	06/27/10 22:45 CST		3K	Flood (due to Heavy Rain)
	06/29/10 13:30 CST		0	Source: Official NWS Observations

Heavy rain producing thunderstorms that moved into western Iowa on June 27 caused another round of flooding along the Nishnabotna River, especially near Hamburg. The river near Hamburg crested a little over 26 feet in the evening of June 28, flood stage is 23 feet. The river near town was above flood stage from late in the evening of the 27th until the afternoon of the 29th. A federal levee near town protected the area from significant damage, but some agricultural lowlands near the river were flooded.

**Thunderstorms developed a little after midnight on June 27th in northeast Nebraska as an upper level disturbance pushed a cold front across the region. The late-night storms produced damaging winds in northeast Nebraska and very heavy rain which pushed into western Iowa which caused some flooding the next day.**

### NEBRASKA, East

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**SALINE COUNTY --- 0.9 NW TOBIAS [40.43, -97.34]**

	06/01/10 10:39 CST		0	Hail (0.75 in)
	06/01/10 10:39 CST		0	Source: Emergency Manager

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**SALINE COUNTY --- 1.3 WSW TOBIAS [40.41, -97.35]**

	06/01/10 10:40 CST		0	Hail (1.75 in)
	06/01/10 10:40 CST		0	Source: Public

Hail up to golf ball-size was reported near Tobias.

**Isolated severe thunderstorms developed in south central Nebraska on the nose of an instability axis that spread north and northeast out of Kansas. One thunderstorm dropped golf ball-size hail near Tobias before weakening.**

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**STANTON COUNTY --- 6.2 S STANTON [41.86, -97.22], 4.0 SE STANTON [41.91, -97.17]**

	06/01/10 13:55 CST		0	Hail (1.75 in)
	06/01/10 14:00 CST		0	Source: Storm Chaser

Golf ball-size hail fell south through southeast of Stanton.

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**WAYNE COUNTY --- 7.7 ENE ALTONA [42.13, -96.86], 10.0 SE WAYNE [42.13, -96.88]**

	06/01/10 13:58 CST		0	Tornado (EF0, L: 1.38 mi, W: 100 yd)
	06/01/10 14:00 CST		0	Source: NWS Storm Survey

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A tornado briefly touched down about 9 miles north of Wisner and was on the ground for around a mile and a quarter. Soybean crops were damaged by the tornado with little other damage noted. There were some local reports that the tornado moved south and then southwest while the parent thunderstorm was moving northeast.

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**CUMING COUNTY --- 9.0 WSW WEST PT [41.78, -96.88], 2.0 SSE KNEIVEL ARPT [41.79, -96.64]**

06/01/10 14:30 CST		0		Thunderstorm Wind (EG 55 kt)
06/01/10 14:45 CST		0		Source: NWS Storm Survey

Thunderstorm wind gusts estimated at over 60 mph caused areas of crop damage across the southern part of Cuming county.

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**CUMING COUNTY --- 11.0 SSW WISNER [41.83, -97.01], 4.2 NW MONTEREY [41.84, -96.88]**

06/01/10 15:00 CST		0		Hail (2.50 in)
06/01/10 15:12 CST		0		Source: Fire Department/Rescue

Hail up to 2.5 inches in diameter fell southwest through south of Wisner. The hail fell for nearly 15 minutes and accumulated up to 2 to 3 feet in some ditches aided by 2 to 3 inches of rain that fell during and after the hail.

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**BURT COUNTY --- 3.5 S OAKLAND [41.78, -96.48]**

06/01/10 15:13 CST		0		Hail (2.80 in)
06/01/10 15:13 CST		0		Source: Storm Chaser

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**DODGE COUNTY --- 0.5 W UEHLING [41.73, -96.51]**

06/01/10 15:36 CST		0		Hail (1.75 in)
06/01/10 15:36 CST		0		Source: Emergency Manager

Hail up to golf ball-size covered the ground.

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**DODGE COUNTY --- 1.2 SE WINSLOW [41.61, -96.50]**

06/01/10 15:45 CST		0		Hail (1.00 in)
06/01/10 15:45 CST		0		Source: Emergency Manager

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**WASHINGTON COUNTY --- 6.2 NE SPIKER [41.67, -96.22]**

06/01/10 16:00 CST		0		Hail (1.00 in)
06/01/10 16:00 CST		0		Source: Public

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**DODGE COUNTY --- 0.9 SE FREMONT [41.44, -96.49]**

06/01/10 16:08 CST		0		Hail (1.75 in)
06/01/10 16:11 CST		0		Source: NWS Employee

Hail up to golf ball-size fell in the Fremont area for several minutes.

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**WASHINGTON COUNTY --- 1.5 SSE BLAIR [41.53, -96.14], BLAIR [41.55, -96.15]**

06/01/10 16:18 CST		0		Hail (0.88 in)
06/01/10 16:19 CST		0		Source: Trained Spotter

Hail around nickel size fell from just south of Blair into Blair just before becoming Golf ball-size.

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**DOUGLAS COUNTY --- 2.5 WSW BENNINGTON [41.35, -96.21]**

06/01/10 16:20 CST		0		Hail (1.50 in)
06/01/10 16:20 CST		0		Source: COOP Observer

The hail was accompanied by winds at least 40 to 50 mph.

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**WASHINGTON COUNTY --- 0.9 SE BLAIR [41.54, -96.14]**

06/01/10 16:20 CST		0		Hail (1.75 in)
06/01/10 16:20 CST		0		Source: Trained Spotter

Hail of nickel to golf ball-size preceded or fell just as thunderstorm wind gusts measured around 70 mph by the Awos in Blair, which is several miles south of town.

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**WASHINGTON COUNTY --- ARLINGTON [41.45, -96.37]**

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	06/01/10 16:20 CST		0	Thunderstorm Wind (EG 50 kt)
	06/01/10 16:20 CST		0	Source: Newspaper
Thunderstorm wind gusts estimated at close to 60 mph knocked down a few large tree limbs causing minor structural damage in Arlington.				
<b>DOUGLAS COUNTY --- 1.6 NW BENNINGTON [41.39, -96.19]</b>				
	06/01/10 16:25 CST		0	Hail (0.75 in)
	06/01/10 16:25 CST		0	Source: Trained Spotter
Reported near the Washington county line in the northwest part of Douglas county.				
<b>SAUNDERS COUNTY --- WESTON [41.20, -96.75], 0.4 ESE WAHOO [41.22, -96.61]</b>				
	06/01/10 16:25 CST		0	Thunderstorm Wind (EG 55 kt)
	06/01/10 16:30 CST		0	Source: Amateur Radio
Thunderstorm wind gusts estimated at over 60 mph uprooted a tree and blew over a carport near Weston and caused scattered tree damage from there into the Wahoo area. Some of the trees or large limbs that fell in Wahoo caused some generally minor vehicle, home and other structural damage.				
<b>WASHINGTON COUNTY --- 5.4 SW FT CALHOUN [41.42, -96.11], 1.2 ESE BLAIR [41.54, -96.13]</b>				
	06/01/10 16:30 CST		0	Thunderstorm Wind (MG 62 kt)
	06/01/10 16:30 CST		0	Source: AWOS
A thunderstorm wind gust of 71 mph was measured by the Awos at the Blair Airport, about 7 miles south of town. The winds knocked down trees and large limbs from around Blair into the southeast part of Washington county. Some vehicle and other damage was noted around Blair. Hail up to golf ball-size fell around this same time in Blair.				
<b>DOUGLAS COUNTY --- 2.6 ENE ELK CITY [41.38, -96.23], 1.3 SE (3NO)NORTH OMAHA ARP [41.36, -96.00]</b>				
	06/01/10 16:35 CST		0	Thunderstorm Wind (EG 60 kt)
	06/01/10 16:57 CST	1	0	Source: Trained Spotter
Thunderstorm wind gusts estimated at over 65 mph downed trees from near Bennington toward 72nd Street and Highway 36. Three vehicles were hit by falling trees resulting in one minor injury in the 72nd Street area where in one-quarter mile stretch numerous trees were downed across the road. Some sheds were blown away or destroyed in the Bennington area. Other trees were downed in the Highway 36 and 132nd Street area. Tree damage was observed a mile or two either side of Highway 36 from the storm.				
<b>DOUGLAS COUNTY --- 3.1 SSW LANE [41.21, -96.20], 2.0 ENE MILLARD [41.23, -96.08]</b>				
	06/01/10 16:38 CST		0	Hail (1.25 in)
	06/01/10 16:55 CST		0	Source: Trained Spotter
Hail of 1 inch to half dollar-size in diameter was reported from west Omaha into the western sections of midtown near 108th and Grover and 108th and I Streets. The half dollar-size hail was reported near 180th and Q Streets and north of 144th and Center. The hail caused some car and plant damage.				
<b>DOUGLAS COUNTY --- 0.5 W ELKHORN [41.28, -96.24], 1.6 NNW MILLARD [41.24, -96.13]</b>				
	06/01/10 16:44 CST		0	Thunderstorm Wind (EG 52 kt)
	06/01/10 16:46 CST		0	Source: Trained Spotter
Storm spotters estimated thunderstorm winds around 60 mph from the Elkhorn area to just north of 144th and Center.				
<b>DOUGLAS COUNTY --- 1.6 SW ELKHORN [41.27, -96.25]</b>				
	06/01/10 16:50 CST		0	Hail (1.00 in)
	06/01/10 16:50 CST		0	Source: Public
Near Dodge and Skyline.				
<b>SARPY COUNTY --- 1.7 WNW J AND J ARPT [41.09, -96.18]</b>				
	06/01/10 16:50 CST		0	Hail (0.88 in)
	06/01/10 16:50 CST		0	Source: Law Enforcement
<b>SARPY COUNTY --- 0.9 SE GREтна [41.14, -96.24]</b>				
	06/01/10 16:52 CST		0	Hail (1.50 in)
	06/01/10 16:55 CST		0	Source: COOP Observer

Hail up to 1.5 inches in diameter fell near Gretna.

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>SARPY COUNTY --- 0.9 SE PAPILLION [41.16, -96.04], 0.6 SSE PAPILLION [41.16, -96.04]</b>				
	06/01/10 16:54 CST		0	Hail (1.00 in)
	06/01/10 17:02 CST		0	Source: COOP Observer
Hail around 1 inch in diameter fell for just under 10 minutes around the 84th and Cornhusker area.				
<b>SARPY COUNTY --- BELLEVUE [41.12, -95.90]</b>				
	06/01/10 16:55 CST		0	Thunderstorm Wind (EG 50 kt)
	06/01/10 16:55 CST		0	Source: Newspaper
Thunderstorm winds estimated at close to 60 mph downed trees and power lines forcing several streets to be barricaded by police.				
<b>SEWARD COUNTY --- 1.7 NW UTICA [40.90, -97.35]</b>				
	06/01/10 16:59 CST		0	Hail (0.75 in)
	06/01/10 16:59 CST		0	Source: Public
<b>CASS COUNTY --- 2.6 SE CEDAR CREEK [41.00, -96.06], 3.1 SE CEDAR CREEK [41.00, -96.05]</b>				
	06/01/10 17:05 CST		4K	Tornado (EF1, L: 0.55 mi , W: 200 yd)
	06/01/10 17:06 CST		0	Source: NWS Storm Survey
A brief tornado touchdown caused damage to a pole barn before lifting near Highway 66.				
<b>DOUGLAS COUNTY --- 0.9 SW OMAHA [41.26, -96.01]</b>				
	06/01/10 17:10 CST		0	Hail (0.88 in)
	06/01/10 17:10 CST		0	Source: Trained Spotter
Reported on the east side of Omaha.				
<b>LANCASTER COUNTY --- 2.3 SSW MALCOLM [40.87, -96.87]</b>				
	06/01/10 17:30 CST		0	Hail (1.00 in)
	06/01/10 17:30 CST		0	Source: Trained Spotter
<b>SEWARD COUNTY --- 4.9 SSE GOEHNER [40.77, -97.17]</b>				
	06/01/10 17:32 CST		0	Hail (1.00 in)
	06/01/10 17:32 CST		0	Source: NWS Storm Survey
<b>SALINE COUNTY --- 3.8 NE FRIEND [40.69, -97.23]</b>				
	06/01/10 17:39 CST		0	Hail (1.00 in)
	06/01/10 17:39 CST		0	Source: Trained Spotter
<b>LANCASTER COUNTY --- 0.5 E UNIVERSITY PLACE [40.83, -96.61]</b>				
	06/01/10 17:40 CST		0	Hail (1.00 in)
	06/01/10 17:40 CST		0	Source: Amateur Radio
Reported on the east side of town along 84th Street.				
<b>SALINE COUNTY --- 0.7 S WESTERN [40.39, -97.20]</b>				
	06/01/10 18:36 CST		0	Hail (0.88 in)
	06/01/10 18:36 CST		0	Source: Emergency Manager
The hail reached quarter-size a few minutes later.				
<b>SALINE COUNTY --- 0.5 W WILBER [40.48, -96.96]</b>				
	06/01/10 18:40 CST		0	Hail (0.88 in)
	06/01/10 18:43 CST		0	Source: Emergency Manager
Hail up to nickel-size fell for several minutes around the Wilber area.				
<b>SALINE COUNTY --- 0.7 S WESTERN [40.39, -97.20]</b>				

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/01/10 18:44 CST		0	Hail (1.00 in)
	06/01/10 18:44 CST		0	Source: Emergency Manager
<hr/>				
<b>SALINE COUNTY --- 0.5 W WILBER [40.48, -96.96]</b>				
	06/01/10 18:45 CST		0	Heavy Rain
	06/01/10 18:45 CST		0	Source: Emergency Manager
Rainfall of 1.5 to 2 inches fell in an hour or less and caused some minor street flooding in town.				
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<b>LANCASTER COUNTY --- 0.9 NW HOLLAM [40.54, -96.79]</b>				
	06/01/10 18:46 CST		0	Hail (0.75 in)
	06/01/10 18:46 CST		0	Source: Trained Spotter
<hr/>				
<b>LANCASTER COUNTY --- 0.9 NW HOLLAM [40.54, -96.79]</b>				
	06/01/10 18:46 CST		0	Thunderstorm Wind (EG 52 kt)
	06/01/10 18:46 CST		0	Source: Trained Spotter
Thunderstorm wind gusts estimated at 60 mph were accompanied by dime-size hail.				
<hr/>				
<b>JEFFERSON COUNTY --- 6.0 W FAIRBURY [40.15, -97.28]</b>				
	06/01/10 19:00 CST		0	Hail (1.00 in)
	06/01/10 19:00 CST		0	Source: Trained Spotter
<hr/>				
<b>JEFFERSON COUNTY --- 1.6 E PLYMOUTH [40.30, -96.95]</b>				
	06/01/10 19:02 CST		0	Thunderstorm Wind (EG 52 kt)
	06/01/10 19:02 CST		0	Source: Trained Spotter
Thunderstorm wind gusts estimated at 60 mph were accompanied by hail that reached 1 inch in diameter.				
<p><b>Supercell thunderstorms developed from west of Columbus toward and east of Norfolk as a warm front pressed north toward that region as a cold front was dropping south through northern Nebraska. South of the warm front temperatures climbed to around 90 degrees with dewpoint temperatures around 70. Meanwhile north of the cold front temperatures were in the 60s and 70s. As the two boundaries merged in the late afternoon the storms merged into a line which pushed southeast across the Omaha and Lincoln areas. The northern end of the storms caused wind damage across the northern sections of Omaha and was the beginning of a derecho which caused wind damage to parts of 3 other states as it swept eastward. The storms also produced numerous reports of large hail and at least 2 weak tornadoes.</b></p>				
<hr/>				
<b>GAGE COUNTY --- 2.1 E ODELL [40.05, -96.76]</b>				
	06/02/10 01:26 CST		0	Hail (1.00 in)
	06/02/10 01:26 CST		0	Source: Trained Spotter
<hr/>				
<b>GAGE COUNTY --- 3.7 W BARNESTON [40.05, -96.65], 1.0 W BARNESTON [40.05, -96.60]</b>				
	06/02/10 01:39 CST		0	Hail (1.00 in)
	06/02/10 01:43 CST		0	Source: Trained Spotter
Hail of nickel to quarter-size fell west of Barneston.				
<hr/>				
<b>PAWNEE COUNTY --- 4.5 WSW BOOKWATER [40.05, -96.45], PAWNEE CITY [40.12, -96.15]</b>				
	06/02/10 01:50 CST		0	Hail (1.00 in)
	06/02/10 01:50 CST		0	Source: Trained Spotter
Hail up to 1 inch in diameter caused some vehicle damage near and west of Pawnee City.				
<hr/>				
<b>PAWNEE COUNTY --- 4.0 W BOOKWATER [40.07, -96.45]</b>				
	06/02/10 01:57 CST		0	Hail (1.30 in)
	06/02/10 01:57 CST		0	Source: Trained Spotter
Hail a little larger than half dollar-size fell south of Burchard which damaged some crops in the region.				
<hr/>				
<b>PAWNEE COUNTY --- 1.7 ESE STEINAUER [40.21, -96.20], 3.7 NW TABLE ROCK [40.21, -96.16], 3.5 ENE STEINAUER [40.24, -96.17], 2.3 NE STEINAUER [40.24, -96.20]</b>				

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/02/10 02:00 CST		0	Flash Flood (due to Heavy Rain)
	06/02/10 03:30 CST		0	Source: Law Enforcement

Heavy rain caused flash flooding which briefly crossed Highway 50 just north of its intersection with Highway 4. Six hour rainfall was between 3 and 5 inches from near the Burchard area to around Pawnee City.

<b>PAWNEE COUNTY --- 1.5 SSW STEINAUER [40.20, -96.24], 5.6 WSW PAWNEE CITY [40.09, -96.25], 1.9 ENE PAWNEE CITY [40.13, -96.12], 3.4 NW TABLE ROCK [40.21, -96.15]</b>				
	06/02/10 03:30 CST		1K	Flood (due to Heavy Rain)
	06/02/10 16:30 CST		0	Source: Newspaper

Rainfall of 3 to 5 inches caused flooding along Turkey Creek which flooded farmlands along the stream and a city pond in Pawnee City.

<b>GAGE COUNTY --- LIBERTY [40.08, -96.48]</b>				
	06/02/10 06:00 CST		0	Heavy Rain
	06/02/10 06:00 CST		0	Source: COOP Observer

The cooperative observer near Liberty measured a 24 hour storm total of 3.5 inches (although most fell in less than 6 hours). Some lowland flooding of farm fields was noted around the area.

**Thunderstorms...a few severe...tracked repeatedly across extreme southeast Nebraska for several hours past midnight CDT on June 2. In addition to producing large hail, the storms dropped very heavy rain, in some cases in excess of 3 inches.**

<b>KNOX COUNTY --- 11.0 W CROFTON [42.73, -97.70]</b>				
	06/03/10 19:42 CST		0	Hail (0.75 in)
	06/03/10 19:42 CST		0	Source: Trained Spotter

The hail occurred with thunderstorm winds estimated at 60 mph.

<b>KNOX COUNTY --- 11.0 W CROFTON [42.73, -97.70]</b>				
	06/03/10 19:42 CST		0	Thunderstorm Wind (EG 52 kt)
	06/03/10 19:42 CST		0	Source: Trained Spotter

A storm spotter estimated thunderstorm winds of 60 mph winds occurred with dime-size hail west of Crofton.

**Thunderstorms developed along a weak cold front/dry line in central Nebraska. The storms weakened as they pressed into eastern Nebraska during the late evening, but at least one of the storms in northeast Nebraska produced severe weather.**

<b>WASHINGTON COUNTY --- 2.9 SW KENNARD [41.44, -96.24]</b>				
	06/05/10 00:15 CST		0	Hail (0.75 in)
	06/05/10 00:15 CST		0	Source: Trained Spotter

<b>BUTLER COUNTY --- DAVID CITY [41.25, -97.13]</b>				
	06/05/10 00:28 CST		0	Thunderstorm Wind (EG 52 kt)
	06/05/10 00:28 CST		0	Source: Law Enforcement

Thunderstorm wind gusts estimated at around 60 mph downed some large tree branches and power poles in town.

<b>DOUGLAS COUNTY --- BENNINGTON [41.37, -96.17], (OMA)EPPLEY FLD OMAH [41.30, -95.90]</b>				
	06/05/10 00:30 CST		0	Heavy Rain
	06/05/10 05:30 CST		0	Source: River/Stream Gage

Heavy rain caused the Big Papillion Creek to rise to bank-full during the morning hours of June 5th. Six hour rainfall on automated gauges on the creek were as much as 4.25 inches in southern Washington county to around 2.5 inches at gauges in north central Douglas county near and east of Bennington. Omaha Eppley measured a little under 1.5 inches with the storms.

<b>SARPY COUNTY --- 1.5 NNE SOUTH OMAHA ARPT [41.19, -96.01], 0.2 SE ST COLUMBANS [41.08, -95.88]</b>				
	06/05/10 00:30 CST		0	Heavy Rain
	06/05/10 05:30 CST		0	Source: River/Stream Gage

Heavy rain that fell during the early morning hours of June 5th caused the Big Papillion Creek to rise to bank-full during the late morning and afternoon of June 5th. Although rain amounts in Sarpy county were mostly under 1.5 inches, six hour rainfall on automated gauges on upper reaches of the creek were as much as 4.25 inches in southern Washington county to around 2.5 inches at gauges in north central Douglas county near and east of Bennington.

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>WASHINGTON COUNTY --- KENNARD [41.47, -96.20], 4.7 E WASHINGTON [41.40, -96.13]</b>				
	06/05/10 00:30 CST		0	Heavy Rain
	06/05/10 05:30 CST		0	Source: River/Stream Gage
<p>Heavy rain caused the Big Papillion Creek to rise to bank-full during the morning hours of June 5th. Six hour rainfall on automated gauges on the creek were as much as 4.25 inches in southern Washington county around the Kennard area to around 2.5 inches at gauges in north central Douglas county near and east of Bennington.</p> <p><b>Thunderstorms developed along a nearly stalled front that stretched from central Nebraska into southwest Iowa. The storms were fed by a moderately strong low level jet which impinged on the front with dew point temperatures south of the boundary in the 65 to 70 degree range. Besides dropping heavy rain, one storm in southwest Iowa produced very large hail, while a few of the storms in eastern Nebraska produced hail and strong winds.</b></p>				
<b>DODGE COUNTY --- 0.7 SSE WEBSTER [41.59, -96.79], 2.4 NNE NICKERSON [41.56, -96.46], 1.8 ESE NICKERSON [41.52, -96.45], 2.6 SSE WEBSTER [41.56, -96.79]</b>				
	06/08/10 11:00 CST		2K	Flood (due to Heavy Rain)
	06/09/10 01:15 CST		0	Source: Official NWS Observations
<p>Rainfall of 2 to 3 inches fell across parts of the Maple Creek basin from late on June 7 through June 8th. This rain fell on saturated soil and caused Maple Creek to flood around the Nickerson area. There the creek reached around 13.3 feet during the evening of June 8, flood stage is 10 feet. The creek was above flood stage near Nickerson from the afternoon of June 8 until the early morning hours of June 9th. The water mainly impacted agricultural lowlands near the creek.</p> <p><b>Thunderstorms developed along a front that crossed into eastern Nebraska late on June 7th and early on the 8th. The storms brought locally heavy rain to eastern Nebraska and caused isolated flooding. The rain also further saturated the soil helping to aid additional flooding with thunderstorms that fell over the next few weeks.</b></p>				
<b>BOONE COUNTY --- ST EDWARD [41.57, -97.87], 0.5 NNW ST EDWARD [41.58, -97.87], 0.6 WNW ST EDWARD [41.57, -97.88], 0.3 SW ST EDWARD [41.57, -97.87]</b>				
	06/10/10 00:00 CST		2K	Flood (due to Heavy Rain)
	06/11/10 04:00 CST		0	Source: Law Enforcement
<p>Heavy rain that fell earlier in the morning caused Beaver Creek to steadily rise all day eventually flooding across part of Highway 39 just west of St. Edward. In addition, a few farm fields and county roads near the creek were flooded.</p>				
<b>PLATTE COUNTY --- 3.3 SE LINDSAY [41.67, -97.65]</b>				
	06/10/10 05:00 CST		0	Heavy Rain
	06/10/10 05:00 CST		0	Source: Public
<p>Three inches of rain fell in about 60 minutes.</p>				
<b>PLATTE COUNTY --- 3.5 S CRESTON [41.65, -97.36]</b>				
	06/10/10 05:15 CST		0	Hail (1.75 in)
	06/10/10 05:15 CST		0	Source: Public
<b>DODGE COUNTY --- DODGE [41.72, -96.88]</b>				
	06/10/10 07:00 CST		0	Hail (0.75 in)
	06/10/10 07:00 CST		0	Source: COOP Observer
<b>PLATTE COUNTY --- 1.7 NW CORNLEA [41.70, -97.60]</b>				
	06/10/10 07:00 CST		0	Heavy Rain
	06/10/10 07:00 CST		0	Source: Public
<p>Rainfall of around 4 inches was measured in about 60 minutes.</p>				
<b>STANTON COUNTY --- 12.1 SE STANTON [41.82, -97.07], 10.0 SE STANTON [41.85, -97.09], 12.4 SE STANTON [41.84, -97.04], 12.8 SE STANTON [41.83, -97.05]</b>				
	06/10/10 07:00 CST		10K	Flash Flood (due to Heavy Rain)
	06/10/10 12:00 CST		0	Source: Emergency Manager

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>Rainfall of around 2 inches in an hour or so fell across the East Fork of Maple Creek basin during the morning of 6/10. The rainfall fell on saturated soils due to several inches of rain that fell earlier in the week and produce flash flooding along sections of the East Fork of Maple Creek including across the bridge near the Junction of Highways 15 and 32 forcing the closure of Highway 15. Farm fields near the creek also flooded. Damage included flooded crops and gravel washed from some county roads.</p>				

**PLATTE COUNTY --- COLUMBUS [41.43, -97.37]**

06/10/10 07:30 CST	0	Heavy Rain
06/10/10 09:30 CST	0	Source: COOP Observer

Heavy rain fell across the Columbus area causing considerable street flooding which lifted several manhole covers off drainage systems and caused several vehicles to stall in rain-swollen intersections. Almost 1.5 inches of rain fell in 40 minutes with a little over 2 inches in about 2 hours measured at the Coop site just northeast of town.

**MADISON COUNTY --- MADISON [41.83, -97.47], 5.7 SW MADISON [41.77, -97.54], 4.7 SSE MADISON [41.77, -97.44], 5.7 E MADISON [41.84, -97.36]**

06/10/10 08:00 CST	10K	Flash Flood (due to Heavy Rain)
06/10/10 12:00 CST	0	Source: Emergency Manager

Rainfall of 2 to 3 inches in an hour or so brought flash flooding along Union Creek and its tributaries near Madison. The rain fell on saturated soils due to rains that fell earlier in the week and most of the damage from this flood was confined to gravel washed off of county roads and some crop damage .

**PLATTE COUNTY --- 0.5 E LINDSAY [41.70, -97.69], 4.4 SW CORNLEA [41.64, -97.65], 4.0 SSE ROSENBERG [41.60, -97.73], 1.4 W LINDSAY [41.70, -97.73]**

06/10/10 09:00 CST	20K	Flash Flood (due to Heavy Rain)
06/10/10 15:00 CST	0	Source: Emergency Manager

Rainfall of around 3 inches in an hour or so brought flash flooding along Shell Creek and tributaries near and south of Lindsay. The flooding closed Lindsay Highway that runs south from town to Highway 22 and flooded the Lindsay Manufacturing parking lot and pedestrian bridge. The rain fell on saturated soils due to rains that fell earlier in the week and most of the damage from this flood was confined to gravel washed off of county roads and some crop damage .

**SAUNDERS COUNTY --- 0.5 E COLON [41.30, -96.61]**

06/10/10 09:00 CST	0	Thunderstorm Wind (EG 50 kt)
06/10/10 09:00 CST	0	Source: Trained Spotter

Thunderstorm winds estimated at close to 60 mph snapped a 7 foot tall tree that was about 4 to 5 inches in diameter. Various other 3 to 5 inch in diameter branches were also downed around town.

**COLFAX COUNTY --- HOWELLS [41.72, -97.00], 0.8 WNW HOWELLS [41.72, -97.01], 1.4 NNW HOWELLS [41.74, -97.01], 0.7 NNE HOWELLS [41.73, -97.00]**

06/10/10 10:00 CST	20K	Flash Flood (due to Heavy Rain)
06/10/10 15:00 CST	0	Source: COOP Observer

Rainfall of 2 to 3 inches fell in an hour or so producing flash flooding along Maple Creek and it's tributaries near and north of Howells. Water covered 4th Street and both approaches over Maple Creek near town. The rain fell on saturated soils due to heavy rain that fell earlier in the week. Damage from this flooding consisted mainly of gravel washed off county roads and some crop damage .

**BUTLER COUNTY --- 2.8 S BELLWOOD [41.31, -97.24], 3.6 SSW OCTAVIA [41.30, -97.08], 2.6 NNW OCTAVIA [41.38, -97.07], 1.6 NNE BELLWOOD [41.37, -97.24]**

06/10/10 10:15 CST	10K	Flash Flood (due to Heavy Rain)
06/10/10 15:15 CST	0	Source: Emergency Manager

Rainfall of 2 inches or so in about an hour caused flash flooding across various county roads and portions of Highways 15 and 64 in northwest Butler county. The rain fell on saturated soils due to heavy rain that fell earlier in the week. Damage from this flooding consisted mainly of gravel washed off county roads and some crop damage.

**DODGE COUNTY --- 1.5 SSE CROWELL [41.71, -96.70], 1.4 SSW CROWELL [41.71, -96.73], 2.2 S CROWELL [41.70, -96.72], 2.0 SSE CROWELL [41.70, -96.70]**

06/10/10 10:30 CST	15K	Flash Flood (due to Heavy Rain)
06/10/10 13:30 CST	0	Source: Fire Department/Rescue

Heavy rain of 2 inches or more in an hour or so produced flash flooding along Pebble Creek and its tributaries which brought 2 to 3 feet of water across the Junction of Highways 91 and 275 northwest of Scribner. The rain had fallen on saturated soils due to rains earlier in the week and flooding persisted for an extended period due to additional rains after the 10th.

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>BUTLER COUNTY --- 0.9 SE BELLWOOD [41.34, -97.24]</b>				
	06/10/10 10:45 CST		0	Heavy Rain
	06/10/10 10:45 CST		0	Source: Fire Department/Rescue
Rainfall of a little over 3 inches was reported near town.				
<b>CUMING COUNTY --- 4.1 SSW KNIEVEL ARPT [41.76, -96.67], 3.5 S MONTEREY [41.75, -96.81], 2.9 W MONTEREY [41.79, -96.88], 7.7 WNW MONTEREY [41.86, -96.95], 1.7 SSW ALOYS [41.83, -96.69]</b>				
	06/10/10 11:00 CST		10K	Flash Flood (due to Heavy Rain)
	06/10/10 14:00 CST		0	Source: Fire Department/Rescue
Heavy rain of 2 inches or more in an hour or so produced flash flooding along Pebble Creek and its tributaries in the county. High water also forced the closure of Highway 275 between Scribner and West Point. Otherwise the flooding mainly affected farm fields and a few county roads.				
<b>DODGE COUNTY --- DODGE [41.72, -96.88]</b>				
	06/10/10 11:10 CST		0	Heavy Rain
	06/10/10 11:10 CST		0	Source: COOP Observer
Rainfall of almost 3.5 inches was measured by the coop observer in Dodge, the rain fell in a an hour or two.				
<b>MADISON COUNTY --- 3.6 ESE MADISON [41.81, -97.40], 5.5 SW MADISON [41.77, -97.54], 8.6 W MADISON [41.82, -97.64], 4.9 E MADISON [41.84, -97.38], 5.7 E MADISON [41.82, -97.36]</b>				
	06/10/10 12:00 CST		30K	Flood (due to Heavy Rain)
	06/13/10 02:00 CST		0	Source: Official NWS Observations
Heavy rain producing thunderstorms from around June 7th through the 14th brought high water and a prolonged period of flooding along the Union Creek near Madison. Union Creek near Madison crested at 22.9 feet during the evening of June 11th, flood stage is 20 feet. The creek near Madison was above flood stage for much of the period from the morning hours of June 10th through the early morning hours of June 13th. Flooding affected mostly county roads and farm fields near the stream, although flood waters did cross Highway 81 for a while prompting its closure.				
<b>STANTON COUNTY --- 15.0 S PILGER [41.80, -97.05], 10.8 SE STANTON [41.84, -97.09], 11.5 SE STANTON [41.85, -97.05], 13.5 SE STANTON [41.82, -97.03]</b>				
	06/10/10 12:00 CST		10K	Flood (due to Heavy Rain)
	06/12/10 22:45 CST		0	Source: Official NWS Observations
Several periods of heavy rain fell across the Maple Creek basin from June 8th through the 14th produced a period of flooding along the East Fork of Maple Creek in southwest Stanton county. The high water flooded county roads in the area and also flooded the intersection of Highways 32 and 15 prompting their closure. Farmland near the creek was also flooded. The main stem of Maple Creek near Nickerson, in Dodge county, crested around 15.5 feet during the early morning of June 12th and was at or above its 10 foot flood stage from the afternoon of June 10th through late in the evening on the 14th.				
<b>DODGE COUNTY --- 0.3 WSW SNYDER [41.70, -96.81], 1.6 NNW SNYDER [41.72, -96.81], 1.7 WSW CROWELL [41.72, -96.75], 1.9 SSE CROWELL [41.71, -96.70], 0.5 SW SCRIBNER [41.66, -96.68], 1.8 N SCRIBNER ARPT [41.65, -96.63], 1.3 NW SCRIBNER ARPT [41.64, -96.64]</b>				
	06/10/10 13:30 CST		0.10M	Flood (due to Heavy Rain)
	06/12/10 16:00 CST		0	Source: Official NWS Observations
Several periods of heavy rain fell across the Pebble Creek basin from June 8th through the 14th which produced a prolonged period of high water and flooding along Pebble Creek near and west of Scribner. The high water flooded and closed sections of Highways 275 and 91 near town as well as county roads and farmland in the area. Pebble Creek near Scribner crested at just over 23 feet during the late afternoon of June 10th, flood stage is 18 feet. The creek near Scribner was above flood stage most of the period from around noon on the 10th until late in the afternoon on June 12th, although a few times during this stretch the creek dropped below flood stage.				
<b>DODGE COUNTY --- NICKERSON [41.53, -96.48], 1.3 ENE NICKERSON [41.54, -96.46], 1.9 NE NICKERSON [41.55, -96.45], 1.6 NW NICKERSON [41.55, -96.50], 3.0 NW NICKERSON [41.56, -96.52], 2.6 SSW SCRIBNER ARPT [41.58, -96.64], 1.8 SW WEBSTER [41.58, -96.82], 3.4 SW WEBSTER [41.56, -96.84]</b>				
	06/10/10 13:30 CST		0.10M	Flood (due to Heavy Rain)
	06/14/10 22:45 CST		0	Source: Official NWS Observations
Several periods of heavy rain fell across the Maple Creek basin from June 8th through the 14th which produced a prolonged period of flooding along Maple Creek near and northwest of Nickerson. The high water backed up along a railroad track and closed Highway 91 leading into Nickerson for a while. Farmland and county roads near the creek were flooded causing damage to both. Maple Creek near Nickerson crested around 15.5 feet during the early morning of June 12th and was at or above its 10 foot flood stage from the afternoon of June 10th through late in the evening on the 14th.				

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>PLATTE COUNTY --- LINDSAY [41.70, -97.70], 3.1 NE BRANDTS ARPT [41.51, -97.26], 4.0 NNE SHELDONVILLE [41.50, -97.39], 4.8 N MONROE [41.55, -97.62]</b>				
	06/10/10 15:00 CST		0.20M	Flood (due to Heavy Rain)
	06/14/10 17:30 CST		0	Source: Official NWS Observations

Heavy rain from roughly June 7th into the 14th produced prolonged flooding along Shell Creek and its tributaries from near Lindsay in Platte county downstream to near Platte Center then to around Schuyler in Colfax county. The high water flooded many county roads and forced the closure of Highway 81 northwest of Columbus and also Highway 91 between Humphrey and Lindsay. A motorist had to be rescued by area residents late on the 10th when his vehicle became flooded while attempting to drive through flood waters west of Platte Center, the motorist was uninjured. Cropland was also damaged because of the high water. Shell Creek near Columbus crested around 21.6 feet for a prolonged period from late morning on June 12th until early morning on the 13th. Flood stage is 20 feet. The creek near Columbus was above flood stage from the evening of June 11th until the late afternoon hours of June 14th, although flooding occurred earlier than the 11th upstream of the gauge and probably lasted longer than the 14th downstream.

<b>WASHINGTON COUNTY --- ARLINGTON [41.45, -96.37], 2.3 N ARLINGTON [41.48, -96.37], 4.2 NNE ARLINGTON [41.50, -96.33], 2.8 E ARLINGTON [41.45, -96.32]</b>				
	06/10/10 21:00 CST		75K	Flood (due to Heavy Rain)
	06/15/10 19:00 CST		0	Source: Emergency Manager

Heavy rain of 2 to 3 inches fell across much of the area on June 10th on top of soils that were saturated from several inches of rain that fell earlier in the week. The rain produced flooding along Bell Creek and its tributaries which began on June 10th and was aggravated and continued by additional heavy rain during the next few days. Eventually the Elkhorn River near Arlington also flooded. The flooding from Bell Creek and then high water from the Elkhorn closed Highway 30 near Arlington for an extended period with additional flooding of county roads and farm fields observed for an extended period across the county. In addition a trailer court on the east side Arlington and the fairgrounds experienced minor flooding.

<b>COLFAX COUNTY --- 6.5 SSW LEIGH [41.61, -97.28], 5.9 NNW RICHLAND [41.51, -97.27], 1.8 SSE SCHUYLER MUNI ARPT [41.43, -97.01], 2.9 WNW ROGERS [41.49, -96.98], 3.3 SE CLARKSON [41.69, -97.08]</b>				
	06/11/10 06:00 CST		1.50M	Flood (due to Heavy Rain)
	06/15/10 17:30 CST		0	Source: Official NWS Observations

Heavy rain from roughly June 7th into the 14th produced prolonged flooding along Shell Creek and its tributaries from near Lindsay in Platte county downstream to around Schuyler in Colfax county. The high water flooded many county roads and forced the closure of Highway 15 north of Schuyler for a while. Shell Creek or one of its tributaries also flooded sections of northeast Schuyler prompting homes and businesses to sandbag to try to limit the damage. Nonetheless, some damage to about 200 homes and businesses occurred anyway, mostly to basements. Damage was also noted to county roads and crops because of the prolonged period of high water. Emergency management reported that at one time as many as 40 county roads and 40 bridges were under water in the county. Shell Creek near Columbus crested around 21.6 feet for a prolonged period from late morning on June 12th until early morning on the 13th. Flood stage is 20 feet. The creek near Columbus was above flood stage from the evening of June 11th until the late afternoon hours of June 14th, although flooding probably lasted longer than the 14th downstream of the gauge in Colfax county.

**A warm front lifted northeast into eastern Nebraska during the morning hours of June 10th. This brought scattered heavy rain producing thunderstorms to the region. A few of the storms were severe with large hail and damaging winds, but they generally dropped very heavy rainfall which began a 2 week or so period of heavy rain and flooding over much of eastern Nebraska and parts of southwest Iowa. Overall the flooding damage in Nebraska alone in June was estimated to be at least 20 million dollars to public property which didn't include private property or crop damage. The White House declared a federal disaster in 53 Nebraska counties for flooding in June.**

<b>CEDAR COUNTY --- 1.3 NNW ST HELENA [42.84, -97.26], 0.2 S HARTINGTON MUNI ARPT [42.60, -97.25]</b>				
	06/11/10 01:15 CST		0	Thunderstorm Wind (EG 58 kt)
	06/11/10 01:25 CST		0	Source: Emergency Manager

Thunderstorm wind gusts estimated at 65 mph caused scattered damage from around St. Helena to around Hartington. Trees were knocked down across the area and some farm outbuildings and center pivots were damaged around Hartington.

<b>WAYNE COUNTY --- 0.7 N WAYNE [42.24, -97.02]</b>				
	06/11/10 01:20 CST		0	Hail (1.00 in)
	06/11/10 01:20 CST		0	Source: Trained Spotter

A spotter estimated hail the size of quarters fell.

<b>CEDAR COUNTY --- LAUREL [42.43, -97.08]</b>				
	06/11/10 01:25 CST		0	Thunderstorm Wind (EG 55 kt)
	06/11/10 01:25 CST		0	Source: Emergency Manager

Thunderstorm wind gusts estimated at over 60 mph downed numerous tree branches and a few trees in town.

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>WAYNE COUNTY --- 4.7 NNE HOSKINS [42.19, -97.28], 4.5 N ALTONA [42.16, -97.00], 1.5 SSW WAKEFIELD [42.25, -96.88], 4.8 NNE CARROLL [42.34, -97.14], 6.0 NW SHOLES [42.38, -97.38]</b>				
	06/11/10 10:00 CST		30K	Flood (due to Heavy Rain)
	06/12/10 06:00 CST		0	Source: Official NWS Observations

Heavy rain from June 8th through the morning of the 11th caused flooding of small streams and creeks with widespread crop damage noted. Some county roads were damaged by flood waters and a bridge northwest of Carroll was washed out.

<b>KNOX COUNTY --- VERDEL [42.82, -98.20], 5.0 WNW VERDEL [42.83, -98.30], 4.8 W VERDEL [42.82, -98.29], 1.6 SW VERDEL [42.80, -98.22], 4.1 ESE VERDEL [42.80, -98.13], 2.8 E VERDEL [42.82, -98.14]</b>				
	06/11/10 15:45 CST		15K	Flood (due to Heavy Rain)
	06/15/10 17:00 CST		0	Source: Official NWS Observations

Heavy rain from June 8th through the morning of the 11th caused Ponca Creek to flood along sections of Highway 12 near Verdel. Additional heavy rain the next few nights caused it to remain above its 12 foot flood stage until the early evening hours of June 15th. The creek crested at 14.8 feet during the late afternoon of June 12th. The flooding mainly affected agricultural lowlands along the stream, but a few county roads were flooded and a bridge south of Highway 12 on a county road was washed out.

**A warm front lifted northeast across northeast Nebraska during the day on June 10th while a cold front moved into central Nebraska. Heavy rain producing thunderstorms, a few severe, crossed the area on the 10th and additional thunderstorms that formed on the cold front raced across the area early on the 11th. The storms that moved across northeast Nebraska early on the 11th produced areas of damaging winds in northeast Nebraska and additional heavy rain. The heavy rain from the storms aggravated the flooding situation that began on the 10th and additional rains after the 11th only prolonged the flooding situation. The resultant flooding caused at least 20 million dollars in damage to public property in Nebraska in mid to late June which didn't even factor in private property or crop losses. The White house declared a federal disaster in 53 Nebraska counties for June flooding.**

<b>STANTON COUNTY --- 7.7 WNW STANTON [42.00, -97.36], 0.6 SSW PILGER [42.01, -97.05], 2.6 SE PILGER [41.99, -97.02], 3.6 SW STANTON [41.91, -97.28], 8.6 WNW STANTON [41.98, -97.39]</b>				
	06/11/10 06:00 CST		1.50M	Flood (due to Heavy Rain)
	06/19/10 01:45 CST		0	Source: Law Enforcement

Rainfall of at least 3 to 5 inches fell over much of the upper Elkhorn River basin in the week ending 7am 6/12, including 1 to 2 inch 24 hour amounts ending 7am the 12th. This caused record or near record flooding along the Elkhorn River from around Clearwater and Neligh downstream to the Elkhorn's confluence with the Platte River. The flooding was prolonged by additional rains the next few days. In Stanton county at least 70 miles of gravel roads along the Elkhorn were damaged by flood waters, two bridges were destroyed and several others seriously damaged. Several culverts were also washed away. In addition, the main water supply line to Stanton that ran under the Elkhorn sustained damage on the 15th prompting temporary measures to route water into town through a backup measure. Farm fields along the river also sustained damage to crops and some had land covered in sand as the river receded. The Elkhorn River near Pilger reached a record crest of just over 15 feet during the evening of June 16th, flood stage is 12 feet. The river at Pilger was above flood stage from the morning of June 11th until the early morning hours of the 19th.

<b>CUMING COUNTY --- 5.7 WNW WISNER [42.01, -97.03], 2.8 NE WISNER [42.00, -96.89], 3.0 NW ALOYS [41.88, -96.72], 5.5 SSW KNIEVEL ARPT [41.75, -96.69], 4.3 SE MONTEREY [41.75, -96.77]</b>				
	06/11/10 07:15 CST		0.50M	Flood (due to Heavy Rain)
	06/23/10 09:00 CST		0	Source: Law Enforcement

Rainfall of at least 3 to 5 inches fell over much of the upper Elkhorn River basin in the week ending 7am 6/12, including 1 to 2 inch 24 hour amounts ending 7am the 12th. This caused record or near record flooding along the Elkhorn River from around Clearwater and Neligh downstream to the Elkhorn's confluence with the Platte River. The flooding was prolonged by additional rains the week after 6/12. West Point received nearly 11 inches of rain in the week ending June 14th. In Cuming county, many gravel roads along the Elkhorn were flooded, a few were washed out including a bridge approach south of Beemer, and flooding was also reported across Highway 32 just southwest of West Point and various sections of Highway 275. Farm fields along the river also sustained damage to crops and some had land covered in sand as the river receded. The Elkhorn River near West Point crested close to 15.4 feet at 415 am on the 17th, flood stage is 12 feet. The river at West Point was above flood stage from the morning of June 11th until the morning of the 23rd. Not counting two bridge approaches, damage to roads and culverts in Cuming county for June flooding was estimated at least at \$300,000, which did not include private property or crops.

<b>DODGE COUNTY --- 1.5 NW CROWELL [41.74, -96.74], 3.1 ENE CROWELL [41.75, -96.67], 1.9 WNW UEHLING [41.74, -96.54], 0.7 E UEHLING [41.73, -96.49], 5.5 SE NICKERSON [41.48, -96.39], 4.2 ESE FREMONT [41.44, -96.42], 2.2 N FREMONT [41.48, -96.50]</b>				
	06/11/10 10:15 CST		0.20M	Flood (due to Heavy Rain)
	06/22/10 01:00 CST		0	Source: Law Enforcement

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>Rainfall of at least 3 to 5 inches fell over much of the upper Elkhorn River basin in the week ending 7am 6/12, including 1 to 2 inch 24 hour amounts ending 7am the 12th. This caused record or near record flooding along the Elkhorn River from around Clearwater and Neligh downstream to the Elkhorn's confluence with the Platte River. The flooding was prolonged by additional rains the week after 6/12. In Dodge county many gravel roads along the Elkhorn were flooded as was Highway 91 near Nickerson which suffered damage. Highway 275 near Scribner was closed for around week, at first because a temporary dike is used there when the river gets above 18 feet and then because water started flowing across the road. Scribner itself was spared from most of the flooding because of the dike. Highways 77 and 30 north and east of Fremont were also closed for a while because of flood waters. Flood waters washed a car off a county road near Winslow, although the occupants escaped unharmed. Farm fields along the Elkhorn River were flooded and farm houses along it were surrounded by flood waters and a few sustained flood damage, as did some cabins. The river near Hooper reached a little over 18.5 feet on 6/18, flood stage is 14 feet, and the record stage is around 19 feet. Logan Creek near Uehling also experienced some flooding, especially on 6/12 and 6/13, cresting nearly a foot above its 18 feet flood stage early on 6/13. Water along Logan Creek flooded the Uehling Park and surrounding fields and county roads. Emergency management said there was at least \$100,000 in damage to public roads alone in Dodge and Washington counties.</p>				

**OTOE COUNTY --- 4.9 NNE ELBERON [40.74, -95.92], 6.3 ESE PAUL [40.52, -95.78], 10.0 ESE PAUL [40.53, -95.70], 5.8 ESE NEBRASKA CITY [40.62, -95.75], 4.6 N NEBRASKA CITY ARPT [40.73, -95.85]**

	06/11/10 11:45 CST		0.25M	Flood (due to Heavy Rain)
	06/30/10 23:59 CST		0	Source: Official NWS Observations

Heavy rain over much of eastern Nebraska and western Iowa during most of June caused a prolonged period of flooding along the Missouri River, especially downstream of Omaha through Rulo. The river near Nebraska City climbed above flood stage early in the afternoon on June 11th and remained above flood stage into July. The river at Nebraska City crested around or a little over 25 feet during the afternoon of June 16th and June 21st. Flood stage is 18 feet. Industrial roads near the river were flooded along with some cabins, boat ramps and recreation areas.

**DODGE COUNTY --- 1.6 SW NORTH BEND [41.46, -96.80], 3.1 W AMES [41.45, -96.69], 1.7 WSW FREMONT ARPT [41.44, -96.56], 2.6 S FREMONT [41.41, -96.49], 4.5 SSE FREMONT [41.39, -96.46]**

	06/11/10 12:25 CST		10K	Flood (due to Heavy Rain)
	06/16/10 02:47 CST		0	Source: Law Enforcement

Rainfall of at least 3 to 5 inches fell over much central Nebraska the week ending 7am 6/12, with additional heavy rains the following several days. All of this water eventually worked into the Platte River causing it to rise above flood stage from around North Bend downstream to its confluence with the Missouri River. At North Bend the river crested a little below 8.5 feet early in the morning on 6/14, flood stage is 8 feet. The river was above flood stage near North Bend for most of the period from the afternoon of 6/13 through the morning of 6/16. The flooding mainly affected agricultural bottom lands along the river although some county roads and recreation areas were under water for a while.

**CASS COUNTY --- 2.4 N PLATTSMOUTH [41.05, -95.90], 2.9 ENE COLE ARPT [40.98, -95.87], 4.2 ESE MURRAY [40.90, -95.84], 2.8 SE UNION [40.79, -95.86], 4.6 ESE UNION [40.79, -95.82], 6.1 E MURRAY [40.91, -95.80], 3.6 ESE PLATTSMOUTH [41.00, -95.84], 2.9 NNE PLATTSMOUTH [41.06, -95.87]**

	06/11/10 12:30 CST		0.10M	Flood (due to Heavy Rain)
	06/30/10 23:59 CST		0	Source: Official NWS Observations

Heavy rain over much of eastern Nebraska and western Iowa during most of June caused a prolonged period of flooding along the Missouri River, especially downstream of Omaha through Rulo. The flood damage was increased near the confluence of the Platte River where flood waters from the Platte added to the flow. In Plattsmouth the Missouri River crested a little over 33 feet in the late afternoon of June 22nd, flood stage is 26 feet. The river climbed above flood stage in the afternoon of June 11 and remained above flood stage into early July. Some roads on the east end of Plattsmouth were closed due to flood waters which also submerged the land around a waste-water treatment plant which prompted sandbagging. A recreation area in the region was also partially submerged in flood waters along with the Plattsmouth boat house.

**CASS COUNTY --- 2.8 WNW SOUTH BEND [41.02, -96.30], 2.6 WSW LOUISVILLE [40.98, -96.19], 0.9 SW CULLOM [41.04, -96.06], 2.0 NNE PLATTSMOUTH [41.05, -95.88], 2.8 ENE OREAPOLIS [41.07, -95.90], 2.3 N CEDAR CREEK [41.06, -96.09]**

	06/11/10 13:20 CST		0.10M	Flood (due to Heavy Rain)
	06/18/10 15:50 CST		0	Source: Law Enforcement

Rainfall of at least 3 to 5 inches fell over much central Nebraska the week ending 7am 6/12, with additional heavy rains the following several days. All of this water eventually worked into the Platte River causing it to rise above flood stage from around North Bend downstream to its confluence with the Missouri River. At Louisville the river was above its 9 foot flood stage for most of the period from the afternoon of 6/ 11 until the afternoon of 6/16. The river crested at a little under 10.5 feet around noon on the 14th. The river gauge near Ashland was above its 20 foot flood stage for much of the period from 6/12 until the morning of the 20th. Although some lowlands were flooded all along the Platte River in Cass county, most of the more significant flooding was restricted to the area near confluence of the Missouri River around Plattsmouth. County roads and some recreation areas in that vicinity sustained flood damage.

**SARPY COUNTY --- 6.5 W MEADOW [41.02, -96.29], 2.7 SSW MEADOW [40.99, -96.19], 1.9 E LOUISVILLE STATION [41.03, -96.11], 4.9 SSE RICHFIELD [41.06, -96.03], 1.8 SSW LA PLATTE [41.05, -95.95], 2.9 SSE ST COLUMBANS [41.04, -95.86], 1.3 E PAPPJO [41.08, -95.91], 2.0 E SPRINGFIELD [41.08, -96.09]**

	06/11/10 13:20 CST		75K	Flood (due to Heavy Rain)
	06/18/10 15:50 CST		0	Source: Law Enforcement

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>Rainfall of at least 3 to 5 inches fell over much central Nebraska the week ending 7am 6/12, with additional heavy rains the following several days. All of this water eventually worked into the Platte River causing it to rise above flood stage from around North Bend downstream to its confluence with the Missouri River. At Louisville the river was above its 9 foot flood stage for most of the period from the afternoon of 6/ 11 until the afternoon of 6/16. The river crested at a little under 10.5 feet around noon on the 14th. The river gauge near Ashland was above its 20 foot flood stage for much of the period from the evening of 6/11 until the evening of the 20th. Although some lowlands were flooded all along the Platte River in Sarpy county, which forced evacuations of residents of Hanson's Lakes, most of the more significant flooding was restricted to the area near confluence of the Missouri River around Plattsmouth. County roads and some recreation areas in that vicinity sustained flood damage.</p>				

<b>NEMAHA COUNTY --- 2.1 N PERU [40.51, -95.73], 2.4 SSW BROWNVILLE [40.37, -95.67], 2.3 S NEMAHA [40.30, -95.66], 10.0 SE NEMAHA [40.23, -95.53], 10.9 ESE NEMAHA [40.27, -95.48], 5.5 NE PERU [40.53, -95.65]</b>				
	06/11/10 15:00 CST		0.25M	Flood (due to Heavy Rain)
	06/30/10 23:59 CST		0	Source: Official NWS Observations

Heavy rain over much of eastern Nebraska and western Iowa during most of June caused a prolonged period of flooding along the Missouri River, especially downstream of Omaha through Rulo. The river near Brownville climbed above flood stage during the afternoon on June 11th and remained above flood stage into July. The river at Brownville crested at close to 43 feet during the evening of June 23rd, flood stage is 32 feet. This was the 2nd highest crest at Brownville second only to the flood of July 1993. An earlier crest of around 42 feet was recorded on 6/16/10. Besides considerable flooding of lowlands along the river, several roads were flooded including one that lead to the Cooper Nuclear power plant. Recreation areas also sustained flood damage.

<b>RICHARDSON COUNTY --- 2.6 NE BARADA [40.25, -95.54], 4.3 NNW RULO [40.11, -95.45], 1.6 SSW RULO [40.03, -95.44], 6.0 ESE RULO [40.00, -95.34], 8.3 ESE RULO [40.01, -95.28], 7.0 ENE BARADA [40.25, -95.45]</b>				
	06/11/10 15:00 CST		0.50M	Flood (due to Heavy Rain)
	06/30/10 23:59 CST		0	Source: Official NWS Observations

Heavy rain over much of eastern Nebraska and western Iowa during most of June caused a prolonged period of flooding along the Missouri River, especially downstream of Omaha through Rulo. The river at Rulo reached a record crest of around 26.6 feet during the evening of 6/23, flood stage is 17 feet. An earlier crest of around 25 feet was measured on 6/17. The river remained flood stage into and through July. Highway 159 near Rulo was closed for a time and substantial flooding of lowlands along the river occurred including cabins, homes and recreation areas. At least 30 to 40 people were evacuated from 20 homes that were damaged by flood waters.

<b>SAUNDERS COUNTY --- 1.9 ENE ASHLAND [41.06, -96.35], 2.2 NE WANN [41.17, -96.34], 0.5 NW VENICE [41.23, -96.38], 0.5 SSE LESHARA [41.32, -96.43], 3.5 ENE CEDAR BLUFFS [41.41, -96.55], 1.1 ENE MORSE BLUFF [41.44, -96.76]</b>				
	06/11/10 20:15 CST		4K	Flood (due to Heavy Rain)
	06/19/10 18:30 CST		0	Source: Law Enforcement

Rainfall of at least 3 to 5 inches fell over much central Nebraska the week ending 7am 6/12, with additional heavy rains the following several days. All of this water eventually worked into the Platte River causing it to rise above flood stage from around North Bend downstream to its confluence with the Missouri River. At Ashland the river was above its 20 foot flood stage for most of the period from the evening of 6/ 11 until the evening of 6/20. The river had a long crest of around 20.8 feet on the 12th through the 14th. Some farm fields and roads were flooded along the Platte River in Saunders county.

<b>PIERCE COUNTY --- 0.2 E HADAR [42.10, -97.45], 1.2 ENE HADAR [42.11, -97.43], 3.9 ESE PIERCE [42.17, -97.46], 3.8 SSE OSMOND [42.32, -97.56], 4.0 ENE FOSTER [42.31, -97.60], 1.0 W PIERCE [42.20, -97.55]</b>				
	06/12/10 00:45 CST		10K	Flood (due to Heavy Rain)
	06/16/10 17:30 CST		0	Source: Law Enforcement

Rainfall of at least 3 to 5 inches fell over much of the upper Elkhorn River basin in the week ending 7am 6/12. This caused lowland flooding along the North Fork of the Elkhorn River near and a bit north of Pierce. Farmland and a few county roads near the river were flooded. Some flooding also occurred along creeks in the Pierce area which flooded a city park in Pierce, a parking lot of a senior manor, and a few roads, all of which prompted the sandbagging of several houses. The North Fork of the Elkhorn River near Pierce crested a little over 14 feet during the late morning of 6/13, flood stage is 12 feet. The river at Pierce was above flood stage from the early morning hours of June 12th until the early evening of 6/16.

<b>BOONE COUNTY --- 0.5 SSW ST EDWARD [41.56, -97.87], 3.9 ENE BOONE [41.65, -97.86], 3.4 NNE ALBION [41.75, -97.99], 3.1 ESE RAEVILLE [41.88, -97.99], 8.8 W PETERSBURG [41.86, -98.25]</b>				
	06/12/10 03:08 CST		70K	Flood (due to Heavy Rain)
	06/13/10 12:00 CST		0	Source: Law Enforcement

Another 1 to 1.5 inches of rain fell across Boone county ending 7am June 12th, bringing three day totals into the 3 to 4 inch range. This was on top of several inches that fell prior to June 10th. This additional rain brought more flooding to the county, especially along Beaver Creek and its tributaries from around Petersburg to Boone to near St. Edward. Highway 39 just west of St. Edward was either briefly closed or down to one lane due to flood waters much of the 12th into the 13th. Highways 14 and 32 were closed around the Petersburg area for a while and many county roads from Petersburg to Boone were closed because of flood waters. Several homes and businesses in the St. Edward area were sandbagged to protect from high water. Agricultural lands near these creeks also sustained some flood damage.

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>BURT COUNTY --- 1.4 NNW CRAIG [41.80, -96.38], 1.7 WNW TEKAMAH [41.79, -96.26], 5.9 S TEKAMAH [41.69, -96.23], 5.6 S CRAIG [41.70, -96.39]</b>				
	06/12/10 05:15 CST		35K	Flood (due to Heavy Rain)
	06/13/10 10:00 CST		0	Source: Law Enforcement
<p>Rainfall of 1 to 2 inches fell across much of the county through 7am on 6/12 bringing 72 hour totals into the 3 to 4 inch range. This caused flooding along Tekamah Creek and Bell Creek and their tributaries. County roads from Craig to Tekamah and southward were flooded, including Highway 32 a few miles west of Tekamah for a while. Besides county roads, farmlands along creeks were also flooded and some crops were deemed a total loss. At least one bridge sustained damage.</p>				
<b>BOONE COUNTY --- 5.5 WNW PRIMROSE [41.65, -98.33], 3.2 SSE PRIMROSE [41.59, -98.21], 1.9 NNW CEDAR RAPIDS [41.60, -98.16], 4.8 WNW PRIMROSE [41.66, -98.31]</b>				
	06/12/10 08:08 CST		80K	Flood (due to Heavy Rain)
	06/14/10 18:00 CST		0	Source: Law Enforcement
<p>Although three day rain totals in the area through 7am June 12th were in the 3 to 4 inch range, the rain fell on saturated soil due to rains earlier in the month plus heavier rain fell upstream of Boone county. The heavier rain upstream of Boone county caused flooding along the Cedar River which was aggravated by the failure of a dam on the river near Ericson which sent flood waters to another dam near Spalding which was then over-topped. The flooding in Boone county washed away 2 sections of a wooden bridge southwest of Primrose and also flooded farmland and a few county roads in the area.</p>				
<b>DOUGLAS COUNTY --- 1.6 NE ELK CITY [41.39, -96.26], 1.0 E ELK CITY [41.37, -96.26], 2.4 ENE VALLEY [41.34, -96.31], 3.4 WNW ELK CITY [41.39, -96.34]</b>				
	06/12/10 18:11 CST		20K	Flood (due to Heavy Rain)
	06/13/10 18:00 CST		0	Source: County Official
<p>Overnight rainfall of 1 to 2 inches through 7am 6/12 brought 3 day rainfall totals into the 2 to 4 inch range over much of the county and locations to the west and north. The heavy rain caused high flows of Rawhide Creek which began flooding due to increased flows along the Elkhorn River which caused it to back up. The flooding closed Highway 36 in far northwest Douglas county and also flooded farmlands and county roads near the creek.</p>				
<b>WASHINGTON COUNTY --- ARLINGTON [41.45, -96.37], 2.9 S FONTANELLE [41.49, -96.42], 1.0 WNW FONTANELLE [41.53, -96.45], 1.0 SE FONTANELLE [41.52, -96.42]</b>				
	06/12/10 19:38 CST		0.25M	Flood (due to Heavy Rain)
	06/16/10 08:30 CST		0	Source: Law Enforcement
<p>Rainfall of 3 to 5 inches fell across much of the Elkhorn River basin in the week ending June 12th. This caused extensive flooding along the Elkhorn River and many of its tributaries, which was prolonged by additional heavy rain after June 12th. Flooding along the Elkhorn in Washington county closed Highway 30 near Arlington for several days as well as many county roads in the area. Farmland near the river also sustained flood damage. Emergency management stated that there was \$100,000 in damage alone to public roads in Washington and Dodge counties.</p>				
<b>DOUGLAS COUNTY --- 2.1 WNW ELK CITY [41.39, -96.31], 2.5 NE VALLEY [41.34, -96.31], 1.7 SE WATERLOO [41.26, -96.28], 5.0 S WATERLOO [41.21, -96.30], 4.4 SW LANE [41.21, -96.25], 1.9 NW ELKHORN [41.30, -96.25], 1.2 NNW ELK CITY [41.39, -96.29]</b>				
	06/12/10 22:00 CST		2M	Flood (due to Heavy Rain)
	06/16/10 07:00 CST		0	Source: Law Enforcement
<p>Rainfall of at least 3 to 5 inches fell over much of the Elkhorn River basin in the week ending 7am 6/12, including 1 to 2 inch 24 hour amounts ending 7am the 12th. This caused record or near record flooding along the Elkhorn River from around Clearwater and Neligh downstream to the Elkhorn's confluence with the Platte River. High water or flooding was prolonged by additional rains the week after 6/12. In Douglas county especially hard hit was the Kings Lake area north of Waterloo where 160 homes and cabins sustained flood damage and at least 23 homes were declared unfit or unsafe, mainly due to septic tanks backing up. Flooding closed roads into Kings Lake and also closed Highway 36 west of Elk City for a while. A man drove around a barricade and into flood waters near 252nd and State Streets and was rescued by a sheriff's deputy who broke out his car window. Although the man suffered from hypothermia, the injuries were not life threatening. County roads and farmland along the river were also flooded. The Elkhorn River at Waterloo crested at a near record around 18.7 feet during the late evening of 6/14, flood stage is 17 feet and the record is just over 19 feet. A levee protected much of Waterloo, but recreation areas along the river were flooded. The river at Waterloo was above flood stage from the late afternoon of June 13th until the early morning hours of the 16th, although some flooding likely started earlier and lasted a little longer in the northwest part of the county.</p>				
<b>SARPY COUNTY --- 2.3 E AVERY [41.17, -95.89], BELLEVUE [41.12, -95.90], 1.0 SW ST COLUMBANS [41.07, -95.89], 0.9 SSE ST COLUMBANS [41.07, -95.87], 1.6 E BELLEVUE [41.12, -95.87], 2.5 NNE BELLEVUE [41.15, -95.88]</b>				
	06/13/10 04:30 CST		75K	Flood (due to Heavy Rain)
	06/30/10 23:59 CST		0	Source: Official NWS Observations

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>Heavy rain over much of eastern Nebraska and western Iowa during most of June caused a prolonged period of flooding along the Missouri River, especially downstream of Omaha through Rulo. The flood damage was increased near the confluence of the Platte River where flood waters from the Platte added to the flow and caused the Missouri River to back up in Sarpy county. In Sarpy county the river flooded a few parks, including Haworth Park which was under nearly 4 feet of water for an extended period. Roads along the river were also flooded and houses that were between the levee and the river were also flooded or had their entrances blocked by flood waters. In Plattsmouth, just south of Sarpy county, the Missouri River crested a little over 33 feet in the late afternoon of June 22nd, flood stage is 26 feet. The river climbed above flood stage in the afternoon of June 11 and remained above flood stage into early July.</p>				
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<b>PLATTE COUNTY --- 4.8 WSW MONROE [41.45, -97.70], 0.8 SSW MONROE [41.47, -97.63], 3.0 W OCONEE [41.47, -97.56], 1.7 S OCONEE [41.45, -97.51], 1.4 SW COLUMBUS [41.42, -97.39], 3.2 NW DUNCAN [41.43, -97.54]</b>				
	06/13/10 10:00 CST		2K	Flood (due to Heavy Rain)
	06/16/10 02:00 CST		0	Source: Law Enforcement
<p>Rainfall of at least 3 to 5 inches fell over much of the Loup River basin in the week ending 7am 6/12. This caused minor lowland flooding along the Loup River from near Monroe downstream toward Columbus, although a dike along the north bank of the river protected much of the Columbus area. The flooding mainly affected agricultural lowlands near the river and also a few county roads in southwest Platte county near Monroe .</p>				
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<b>ANTELOPE COUNTY --- NELIGH [42.13, -98.03], 6.8 SSW ORCHARD [42.24, -98.31], 7.4 SSW ORCHARD [42.23, -98.30], 2.9 WNW CLEARWATER [42.19, -98.23], 1.5 W NELIGH ARPT [42.12, -98.06], 0.3 WNW OAKDALE [42.07, -97.97], 0.9 NNW TILDEN [42.06, -97.84], 1.5 N TILDEN [42.07, -97.83]</b>				
	06/13/10 11:30 CST		4M	Flood (due to Heavy Rain)
	06/17/10 18:30 CST		0	Source: Law Enforcement
<p>Rainfall of at least 3 to 5 inches fell over much of the upper Elkhorn River basin in the week ending 7am 6/12. This caused record or near record flooding along the Elkhorn River from around Clearwater and Neligh downstream to the Elkhorn's confluence with the Platte River which was prolonged by additional rains the next few days. In Antelope county many gravel roads along the Elkhorn were flooded as was Highway 275 between Neligh and Clearwater. A county board member estimated that one 2 mile stretch of road sustained up to \$4 million in damage. Extensive sandbagging around the town of Clearwater saved some homes and businesses from damage, but around 100 still suffered flood damage, and 7 or 8 were probably a total loss. Homes in Neligh were also flooded and at least one water evacuation was made in the Neligh area. The park in Neligh sustained damage and a historic swinging bridge was wrenched loose and washed away by flood waters. For a while water approached the landing strip at the Neligh airport and washed out the road leading to it in several places. Farm fields along the river also sustained major damage to crops and had land covered in sand as the river receded. More than 100,000 acres of agricultural land were affected by flood waters in Antelope county . The Elkhorn River near Neligh reached a record crest of around 15.5 feet at 1230am CDT on June 15th, flood stage is 10 feet. The river at Neligh was above flood stage from around noon on the 13th through early evening on the 17th and the high water cut new channels of the river across Antelope county .</p>				
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<b>MADISON COUNTY --- 2.1 N TILDEN [42.08, -97.83], 3.3 NNW BATTLE CREEK [42.05, -97.62], 3.4 E NORFOLK [42.02, -97.35], 3.1 E (OFK)STEFAN FLD NORF [41.98, -97.37], 0.6 N BATTLE CREEK [42.01, -97.60], 1.0 S TILDEN [42.04, -97.83]</b>				
	06/14/10 11:30 CST	1	1M	Flood (due to Heavy Rain)
	06/17/10 21:00 CST		0	Source: Law Enforcement
<p>Rainfall of at least 3 to 5 inches fell over much of the upper Elkhorn River basin in the week ending 7am 6/12. This caused record or near record flooding along the Elkhorn River from around Clearwater and Neligh downstream to the Elkhorn's confluence with the Platte River. The flooding was prolonged and intensified by additional rains the next few days. In Madison county many gravel roads along the Elkhorn were flooded as were Highways 81 and 275 near and west of Norfolk which were closed for a while. On 6/15 a railroad bridge just southwest of Norfolk washed away with 3 people on it that were assessing possible damage. One person was drowned, the 2 others were rescued. Another railroad bridge west of Norfolk and several sections of the Cowboy Trail bike trail was washed out. A levee just south of Norfolk helped prevent major damage, but some damage was noted to businesses and nearly 70 homes on the south part of town despite sandbagging. In addition a park on the south side of town received extensive damage. Farmland along the river sustained crop damage and had sand deposited on fields by the receding river. The Elkhorn River near Norfolk reached a record crest of around 16.9 feet during the evening of 6/16, flood stage is 12 feet. The river at Norfolk was above flood stage from the early morning hours of June 15th until mid evening on the 17th, although flooding likely started earlier upstream of the levee near Norfolk.</p>				
<p>Direct Fatalities: M38IW</p>				
<p><b>An upper level trough over the western U.S. pushed a cold front into central Nebraska during the overnight hours of June 11th and 12th. This system brought scattered heavy-rain producing thunderstorms to eastern Nebraska and western Iowa. For many areas it was the 3rd day-in-a-row with significant or heavy rain. Many locations from central into northeast Nebraska received 3 to 4 inches or more rainfall in the 72 hours ending the morning of the 12th. This additional heavy rain fell on saturated soils from rainfall prior to the 10th and prolonged, intensified or increased the coverage of flooding across eastern Nebraska and helped shift the flooding to larger rivers. Flood damage over Nebraska in mid to late June amounted to at least 20 million dollars to public property alone and which did not account for damage to private property or crops. The White House declared a federal disaster for 53 counties in Nebraska for June flooding.</b></p>				
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<b>SEWARD COUNTY --- 1.1 W MILFORD [40.77, -97.07]</b>				
	06/17/10 19:23 CST		0	Hail (1.00 in)
	06/17/10 19:23 CST		0	Source: Trained Spotter

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>SAUNDERS COUNTY --- 0.5 E MEAD [41.23, -96.49]</b>				
	06/17/10 19:24 CST	0		Hail (0.88 in)
	06/17/10 19:24 CST	0		Source: Trained Spotter
Pea to nickel-size hail was reported in the Mead area.				
<b>SEWARD COUNTY --- MILFORD [40.77, -97.05]</b>				
	06/17/10 19:32 CST	0		Hail (0.88 in)
	06/17/10 19:32 CST	0		Source: Public
An upper level trough that lifted from the Rockies across North Dakota from 6/17 into 6/18 caused a weak cold front to push into southeast Nebraska and southwest Iowa during the evening of 6/17. This brought scattered thunderstorms to the region that produced several reports of hail up to quarter-size.				
<b>WASHINGTON COUNTY --- 3.1 E FONTANELLE [41.53, -96.37]</b>				
	06/18/10 06:25 CST	0		Hail (0.75 in)
	06/18/10 06:25 CST	0		Source: Trained Spotter
<b>SAUNDERS COUNTY --- 2.9 SW LESHARA [41.30, -96.47]</b>				
	06/18/10 06:27 CST	0		Thunderstorm Wind (EG 52 kt)
	06/18/10 06:27 CST	0		Source: NWS Employee
Thunderstorm winds estimated at 60 mph knocked down large tree branches in the area.				
<b>DODGE COUNTY --- 0.5 W FREMONT [41.45, -96.51]</b>				
	06/18/10 06:30 CST	0		Thunderstorm Wind (EG 52 kt)
	06/18/10 06:30 CST	0		Source: Trained Spotter
A spotter estimated thunderstorm winds gusted to around 60 mph. The winds downed numerous large branches and a few trees which caused damage to houses, cars and fences in town.				
<b>DOUGLAS COUNTY --- 0.5 W ELKHORN [41.28, -96.24]</b>				
	06/18/10 06:35 CST	0		Thunderstorm Wind (EG 55 kt)
	06/18/10 06:35 CST	0		Source: Broadcast Media
Thunderstorm wind gusts estimated at over 60 mph downed power lines near 204th and Maple in far west Omaha.				
<b>WASHINGTON COUNTY --- 1.5 NNE BLAIR [41.57, -96.14]</b>				
	06/18/10 06:40 CST	0		Hail (0.75 in)
	06/18/10 06:40 CST	0		Source: Law Enforcement
<b>DOUGLAS COUNTY --- 0.5 E BENNINGTON [41.37, -96.16]</b>				
	06/18/10 06:42 CST	0		Thunderstorm Wind (EG 55 kt)
	06/18/10 06:42 CST	0		Source: Law Enforcement
Thunderstorm wind gusts estimated at over 60 mph knocked numerous large limbs and several trees down in the Bennington area. The fallen trees caused damage to a few homes and also closed a few roads temporarily.				
<b>DOUGLAS COUNTY --- 0.9 SE WATERLOO [41.27, -96.29]</b>				
	06/18/10 06:50 CST	0		Hail (1.00 in)
	06/18/10 06:50 CST	0		Source: NWS Employee
<b>DOUGLAS COUNTY --- 0.9 SW OMAHA EPPLEY ARPT [41.29, -95.91]</b>				
	06/18/10 06:54 CST	0		Thunderstorm Wind (MG 58 kt)
	06/18/10 06:54 CST	0		Source: ASOS

A thunderstorm wind gust of 67 mph was measured by the Asos at Omaha Eppley.

An upper low pressure system lifted from the Rockies across North Dakota during the overnight hours of June 18th which caused a front to work into southeast Nebraska and southwest Iowa. Scattered thunderstorms developed near this front in northeast Nebraska during the predawn hours. The storms then formed a line and brought damaging winds and some large hail as they turned southeast

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>and raced across east central Nebraska and southwest Iowa.</b>				
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<b>LANCASTER COUNTY --- 1.5 E HICKMAN [40.60, -96.64]</b>				
	06/19/10 21:15 CST		0	Thunderstorm Wind (EG 45 kt)
	06/19/10 21:15 CST		0	Source: Newspaper
Thunderstorm wind gusts estimated at 40 to 50 mph caused a boat carrying 3 people to capsize during a fishing tournament at Wagon Train Lake near Hickman. One man drowned.				
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<b>PAWNEE COUNTY --- 2.2 ESE PAWNEE CITY [40.11, -96.11]</b>				
	06/19/10 21:15 CST		0	Thunderstorm Wind (EG 55 kt)
	06/19/10 21:15 CST		0	Source: Emergency Manager
Thunderstorm wind gusts estimated at over 60 mph flattened crops and downed 4 inch in diameter tree limbs.				
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<b>RICHARDSON COUNTY --- 4.2 S HUMBOLDT [40.11, -95.94]</b>				
	06/19/10 21:30 CST		0	Thunderstorm Wind (EG 52 kt)
	06/19/10 21:30 CST		0	Source: Trained Spotter
A spotter estimated thunderstorm wind gusts of around 60 mph south of Humboldt.				
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<b>RICHARDSON COUNTY --- FALLS CITY [40.07, -95.60]</b>				
	06/19/10 21:59 CST		0	Thunderstorm Wind (MG 61 kt)
	06/19/10 22:17 CST		0	Source: ASOS
Thunderstorm winds gusted over 60 mph for about 20 minutes in the Falls City area. Gusts of 64 to 70 mph were measured by the Asos at Falls City for this period. Tree damage was noted across town.				
<b>A warm front lifted into southeast Nebraska during evening of June 19th. This helped kick off isolated severe thunderstorms that brought damaging winds to extreme southeast Nebraska during the late evening hours.</b>				
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<b>DOUGLAS COUNTY --- 0.9 NNE NORTH OMAHA [41.34, -95.96], 0.3 NNW EAST OMAHA [41.37, -95.95], 1.4 E EAST OMAHA [41.37, -95.92], 1.4 ENE NORTH OMAHA [41.34, -95.95], 1.7 NNW (OMA)EPPLEY FLD OMAH [41.32, -95.91], 2.0 NW (OMA)EPPLEY FLD OMAH [41.32, -95.93]</b>				
	06/20/10 00:00 CST		25K	Flood (due to Heavy Rain)
	06/30/10 23:59 CST		0	Source: Official NWS Observations
Persistent and heavy rains during June combined with increased releases from Gavin's Point Dam caused the Missouri River to approach its 29 foot flood stage on June 20th. The high water flooded some parks in the flood plain including N.P. Dodge park causing its closure. The high water continued into August and eventually prompted the closure of N.P. Dodge Park for the season causing 20,000 dollars in lost revenue for the city of Omaha.				
<b>Thunderstorms during the month of June dropped heavy rain across most of eastern Nebraska and western Iowa. Late month thunderstorms and increased releases from upstream reservoirs caused some minor flooding along the Missouri River in the Omaha area.</b>				
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<b>LANCASTER COUNTY --- 1.5 NNW DENTON [40.75, -96.84]</b>				
	06/20/10 09:57 CST		0	Hail (1.00 in)
	06/20/10 09:57 CST		0	Source: Storm Chaser
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<b>LANCASTER COUNTY --- 3.8 SSW KRAMER [40.53, -96.90]</b>				
	06/20/10 10:26 CST		0	Hail (1.00 in)
	06/20/10 10:26 CST		0	Source: Emergency Manager
The hail covered the ground.				
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<b>SALINE COUNTY --- 0.5 W WILBER [40.48, -96.96]</b>				
	06/20/10 10:29 CST		0	Thunderstorm Wind (EG 54 kt)
	06/20/10 10:29 CST		0	Source: Emergency Manager
Thunderstorm wind gusts estimated at over 60 mph downed large tree limbs and power lines in the area. The downed tree limbs closed several streets and knocked the power out for about 15 minutes.				
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<b>SALINE COUNTY --- 2.5 WSW CRETE [40.61, -96.99], CRETE [40.63, -96.95]</b>				

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/20/10 10:29 CST		0	Hail (1.25 in)
	06/20/10 10:29 CST		0	Source: Trained Spotter

Half dollar-size hail was reported in the Crete area.

### GAGE COUNTY --- 6.1 SW CLATONIA [40.40, -96.90]

	06/20/10 10:45 CST		0	Thunderstorm Wind (EG 61 kt)
	06/20/10 10:45 CST		0	Source: Trained Spotter

Thunderstorm wind gusts estimated at 70 mph downed multiple branches in the area.

### GAGE COUNTY --- 2.8 S CORTLAND [40.46, -96.70]

	06/20/10 10:52 CST		0	Hail (1.00 in)
	06/20/10 10:52 CST		0	Source: Law Enforcement

### GAGE COUNTY --- 0.4 S CORTLAND [40.49, -96.70], 5.5 S ADAMS [40.39, -96.48]

	06/20/10 11:00 CST		0	Hail (2.75 in)
	06/20/10 11:20 CST		0	Source: NWS Storm Survey

Hail up to baseball-size was driven by thunderstorm winds estimated at 60 to 70 mph. The wind and hail flattened crops or in some cases mowed them down to a few inches from the ground from near Cortland southeast to south of Adams then continuing into Johnson, Pawnee and Richardson counties. In Gage county the damage was visible by satellite pictures and was 10 to 15 miles wide at its widest. However, the most serious damage was about 3 miles wide and 12 miles long or about 36 square miles of crops that were destroyed in northeast Gage county alone. The hail also caused considerable house and vehicle damage along its path.

### GAGE COUNTY --- 1.4 WSW CORTLAND [40.49, -96.72], 4.6 N FILLEY [40.35, -96.52]

	06/20/10 11:00 CST		0	Thunderstorm Wind (EG 61 kt)
	06/20/10 11:20 CST		0	Source: NWS Storm Survey

Hail up to baseball-size was driven by thunderstorm winds estimated at 60 to 70 mph. The wind and hail flattened crops from near Cortland southeast to south of Adams then continuing into Johnson, Pawnee and Richardson counties. In Gage county the damage was visible by satellite pictures and was 10 to 15 miles wide. The hail also caused considerable house and vehicle damage along its path.

### GAGE COUNTY --- 3.4 SW CORTLAND [40.47, -96.75]

	06/20/10 11:02 CST		0	Hail (1.00 in)
	06/20/10 11:02 CST		0	Source: Emergency Manager

Hail up to 1 inch in diameter covered the road north of Beatrice.

### JOHNSON COUNTY --- 5.4 NNW CRAB ORCHARD [40.40, -96.46], 0.4 SW ELK CREEK [40.28, -96.13]

	06/20/10 11:05 CST		0	Thunderstorm Wind (EG 55 kt)
	06/20/10 11:45 CST		0	Source: NWS Storm Survey

Hail up to golf ball-size was driven by thunderstorm wind gusts estimated at least at 60 mph which caused considerable damage to crops along with some house and vehicle damage from southwest of Sterling to near Elk Creek. The damage path was visible on satellite pictures and was around 10 miles wide across Johnson county. The damage started in Gage county and ended in Richardson county.

### JOHNSON COUNTY --- 5.4 NNW CRAB ORCHARD [40.40, -96.47], 0.4 SW ELK CREEK [40.28, -96.14]

	06/20/10 11:05 CST		0	Hail (1.75 in)
	06/20/10 11:35 CST		0	Source: Trained Spotter

Hail up to golf ball-size or even larger was driven by thunderstorm wind gusts estimated at least at 60 mph which caused considerable damage to crops along with some severe house and vehicle damage from southwest of Sterling to near Elk Creek. There were some reports of hail up to 5 inches in diameter near Elk Creek. The damage path was visible on satellite pictures and was around 10 miles wide across Johnson county. The damage started in Gage county and ended in Richardson county.

### PAWNEE COUNTY --- 4.9 NE STEINAUER [40.27, -96.16], 4.8 E TABLE ROCK [40.17, -96.01]

	06/20/10 11:45 CST		0	Thunderstorm Wind (EG 55 kt)
	06/20/10 11:55 CST		0	Source: NWS Storm Survey

Hail at least one inch in diameter was driven by thunderstorm wind gusts estimated at least at 60 mph which caused considerable damage to crops along with some house and vehicle damage northeast of Table Rock. The damage path was visible on satellite pictures and was around 10 miles wide across Pawnee county. The damage started in Gage county and ended in Richardson county.

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>PAWNEE COUNTY --- 4.9 NE STEINAUER [40.27, -96.16], 4.8 E TABLE ROCK [40.18, -96.01]</b>				
	06/20/10 11:45 CST		0	Hail (1.00 in)
	06/20/10 11:55 CST		0	Source: NWS Storm Survey
<p>Hail at least one inch in diameter was driven by thunderstorm wind gusts estimated at least at 60 mph which caused considerable damage to crops along with some house and vehicle damage northeast of Table Rock. There were some reports that the hail could have been up to several inches in diameter. The damage path was visible on satellite pictures and was around 10 miles wide across Pawnee county. The damage started in Gage county and ended in Richardson county.</p>				
<b>RICHARDSON COUNTY --- 4.3 W HUMBOLDT [40.16, -96.01], 1.9 SSW FALLS CITY [40.05, -95.61]</b>				
	06/20/10 11:55 CST		0	Thunderstorm Wind (EG 61 kt)
	06/20/10 12:45 CST		0	Source: Law Enforcement
<p>Thunderstorm winds estimated at 60 to 70 mph were accompanied by hail up to 1 inch in diameter. This caused considerable crop damage along with some vehicle and house damage from near Humboldt to just southwest of Falls City. The damage was visible on satellite pictures and stretched from north of Beatrice in Gage county southeast to near Falls City. In Richardson county the damage path width narrowed from 5 to 8 miles in the northwest to a mile or two near Falls City.</p>				
<b>RICHARDSON COUNTY --- 4.4 WSW HUMBOLDT [40.16, -96.01], 3.0 SSW FALLS CITY [40.03, -95.62]</b>				
	06/20/10 11:55 CST		0	Hail (1.00 in)
	06/20/10 12:45 CST		0	Source: NWS Storm Survey
<p>Thunderstorm winds estimated at 60 to 70 mph were accompanied by hail up to 1 inch in diameter. This caused considerable crop damage along with some vehicle and house damage from near Humboldt to just southwest of Falls City. The damage was visible on satellite pictures and stretched from north of Beatrice in Gage county southeast to near Falls City. In Richardson county the damage path width narrowed from 5 to 8 miles in the northwest to a mile or two near Falls City.</p>				
<b>RICHARDSON COUNTY --- 0.5 W HUMBOLDT [40.17, -95.94]</b>				
	06/20/10 12:09 CST		0	Hail (1.00 in)
	06/20/10 12:09 CST		0	Source: Trained Spotter
<p>Considerable crop damage occurred just to the south of Humboldt.</p>				
<b>RICHARDSON COUNTY --- 3.0 WSW VERDON [40.13, -95.75]</b>				
	06/20/10 12:20 CST		0	Hail (0.75 in)
	06/20/10 12:20 CST		0	Source: Trained Spotter
<b>RICHARDSON COUNTY --- FALLS CITY [40.07, -95.60]</b>				
	06/20/10 12:57 CST		0	Hail (0.88 in)
	06/20/10 12:57 CST		0	Source: Trained Spotter
<b>NEMAHA COUNTY --- 0.7 S JOHNSON [40.41, -96.00]</b>				
	06/20/10 13:03 CST		0	Hail (0.88 in)
	06/20/10 13:03 CST		0	Source: Emergency Manager
<p>A warm front that lifted into eastern Nebraska on June 20th brought scattered thunderstorms to southeast Nebraska that produced both heavy rain and severe weather as they repeatedly developed and tracked across the area. The last cluster of storms that moved southeast of the Lincoln area from late in the morning into the early afternoon hours of 6/20 produced a swath of wind driven hail damage to crops and vegetation that was visible on satellite pictures from north of Beatrice to west of Falls City. The damage path was about 10 to 15 miles wide when it began and tapered to a mile or two west of Falls City. One insurance agent was quoted as saying it was "probably the most devastating as far as a large area as we've seen" in her 18 years of the business. The Gage county extension office estimated that \$25 million in crops were lost because of the storm, and the USDA's Farm Service Agency in Nebraska estimated that 60,000 acres of corn and soybeans were shredded by the storm.</p>				
<b>LANCASTER COUNTY --- 2.1 NNE COBB [40.78, -96.79]</b>				
	06/20/10 18:04 CST		0	Hail (0.88 in)
	06/20/10 18:04 CST		0	Source: Trained Spotter
<b>SARPY COUNTY --- 0.9 SE AVERY [41.16, -95.92]</b>				
	06/20/10 18:23 CST		0	Hail (0.75 in)
	06/20/10 18:23 CST		0	Source: Trained Spotter

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>LANCASTER COUNTY --- 1.7 ESE WEST LINCOLN [40.82, -96.69], 2.9 SSW DAVEY [40.94, -96.70]</b>				
	06/20/10 18:45 CST		0	Hail (2.75 in)
	06/20/10 19:09 CST		0	Source: Trained Spotter
<p>The first round of Hail up to golf ball to baseball-size fell across Lincoln for a period of 15 to 25 minutes, mostly across the north part of town. Hail of 1 to 2 inches in diameter was reported at 33rd and Holdrege, 27th and Superior and North 1st Streets with the baseball-size hail reported 2 miles north of Lincoln. The hail damaged vehicles and houses in the area including 23 police cruisers that were parked in an uncovered lot near 27th and Holdrege. At least 140 insurance claims of hail damage were received by one insurance firm alone in the Lincoln area as of June 22nd.</p>				
<b>DOUGLAS COUNTY --- 3.1 SSW LANE [41.21, -96.20]</b>				
	06/20/10 18:52 CST		0	Hail (1.00 in)
	06/20/10 18:52 CST		0	Source: Public
<p>The hail was mostly nickel-size but a few stones up to quarter-size were reported near 180th and Q Streets.</p>				
<b>LANCASTER COUNTY --- 0.8 ESE ARROW ARPT [40.87, -96.64], 1.1 SW WAVERLY [40.91, -96.54]</b>				
	06/20/10 19:30 CST		0	Hail (2.50 in)
	06/20/10 19:42 CST		0	Source: Trained Spotter
<p>A second round of large hail hit mostly northeast Lincoln to the Waverly area with hail up to baseball -size, the largest of which was about a mile north northwest of Havelock and near Waverly. The hail caused some vehicle and house damage in the area.</p>				
<b>LANCASTER COUNTY --- 4.0 WNW EMERALD [40.84, -96.89], 2.0 E BERKS [40.67, -96.86], 4.9 E BENNET [40.67, -96.41], 9.5 E WAVERLY [40.93, -96.34], 2.4 S DAVEY [40.94, -96.67]</b>				
	06/20/10 20:09 CST		10K	Flash Flood (due to Heavy Rain)
	06/20/10 23:00 CST		0	Source: Trained Spotter
<p>Rainfall of 2 to 4 inches fell across the Lincoln area during the evening of 6/20. The heavy rain produced flash flooding across several streets in the Lincoln area including 26th and Superior, Arbor and 56th, a few locations along Highway 77 and near 26th and Saltillo.</p>				
<b>CASS COUNTY --- 3.2 SW WEEPING WATER [40.84, -96.18], 1.4 NNW UNION [40.84, -95.91], 0.5 SSE MURRAY [40.91, -95.92], 0.6 SW MANLEY [40.91, -96.18]</b>				
	06/20/10 20:59 CST		40K	Flash Flood (due to Heavy Rain)
	06/21/10 00:00 CST		0	Source: Law Enforcement
<p>Rainfall of 2 to 4 inches fell in several hours during the evening of 6/20 produced flash flooding across numerous county roads including State Spur 13 into Weeping Water and Highway 50 near the spur. Some water also flowed across Highway 75 near Reike Road. Flood waters also spilled into a few homes in the Weeping Water area, and two people were almost trapped when flood waters poured into a basement putting them in neck-deep water before they escaped through a window.</p>				
<b>BOONE COUNTY --- 0.7 S ALBION [41.69, -98.00], 5.6 SW ALBION MUNI ARPT [41.68, -98.13], 1.6 WSW LORETTO [41.76, -98.11], 3.2 NNE ALBION [41.75, -97.99]</b>				
	06/20/10 21:15 CST		2K	Flash Flood (due to Heavy Rain)
	06/20/10 23:15 CST		0	Source: Law Enforcement
<p>Heavy rain caused Flash flooding across Highway 91 west of Albion and also Highway 14 north of town.</p>				
<b>MADISON COUNTY --- BATTLE CREEK [42.00, -97.60], 3.1 WNW BATTLE CREEK [42.01, -97.66], 2.0 NE BATTLE CREEK [42.02, -97.57], 2.1 E BATTLE CREEK [42.00, -97.56]</b>				
	06/20/10 21:15 CST		4K	Flash Flood (due to Heavy Rain)
	06/20/10 23:15 CST		0	Source: Law Enforcement
<p>Heavy rain caused flash flooding across a few roads in the Battle Creek area.</p>				
<b>OTOE COUNTY --- 2.0 NW SYRACUSE [40.67, -96.21], 1.3 W SYRACUSE [40.65, -96.21], 1.4 E SYRACUSE [40.65, -96.15], 1.9 NNE SYRACUSE [40.68, -96.17]</b>				
	06/20/10 21:42 CST		15K	Flash Flood (due to Heavy Rain)
	06/20/10 23:48 CST		0	Source: Law Enforcement
<p>Heavy rain caused flash flooding across streets in the Syracuse area and also flooded near a trailer park in town causing it to be evacuated when a creek rose 10 feet in a half an hour. The flood waters reached at least one trailer and flooded some vehicles.</p>				

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>BURT COUNTY --- OAKLAND [41.83, -96.47]</b>				
	06/20/10 21:45 CST		5K	Thunderstorm Wind (EG 50 kt)
	06/20/10 21:45 CST		0	Source: Newspaper
Thunderstorm wind gusts estimated at close to 60 mph broke off most of a mature tree in Oakland which fell on a car destroying it.				
<b>BURT COUNTY --- 2.8 S OAKLAND [41.79, -96.47], 4.3 SW OAKLAND [41.79, -96.53], 5.2 WNW OAKLAND [41.86, -96.56], 4.0 NE CRAIG [41.83, -96.32]</b>				
	06/20/10 22:09 CST		2K	Flash Flood (due to Heavy Rain)
	06/21/10 00:09 CST		0	Source: Law Enforcement
Heavy rain caused flash flooding across Highway 77 and Highway 32 near Oakland.				
<b>CUMING COUNTY --- 2.0 NW WEST PT [41.85, -96.75], 0.2 NW ALOYS [41.85, -96.67], 1.4 W KNEIVEL ARPT [41.82, -96.68], 1.6 W WEST PT [41.83, -96.75]</b>				
	06/20/10 22:09 CST		0	Flash Flood (due to Heavy Rain)
	06/21/10 00:09 CST		0	Source: Law Enforcement
Heavy rain caused some flash flooding across streets in the West Point area.				
<b>STANTON COUNTY --- 1.0 WNW STANTON [41.95, -97.25], 1.1 SW STANTON [41.94, -97.25], 1.1 ESE STANTON [41.95, -97.21], 1.3 NE STANTON [41.96, -97.21]</b>				
	06/20/10 22:24 CST		2K	Flash Flood (due to Heavy Rain)
	06/21/10 00:24 CST		0	Source: Emergency Manager
Rainfall of 3.75 inches was measured in the Stanton area during the evening of 6/20, this produced flash flooding across several streets in town.				
<b>CASS COUNTY --- 2.2 WNW ELMWOOD [40.84, -96.32], 3.1 W WABASH [40.87, -96.31], 1.3 N WEEPING WATER ARPT [40.89, -96.12], 0.9 WNW UNION [40.82, -95.92], 2.0 SSW UNION [40.79, -95.92]</b>				
	06/21/10 00:00 CST		0.50M	Flood (due to Heavy Rain)
	06/21/10 18:30 CST		0	Source: Official NWS Observations
Rainfall of 2 to over 4 inches that fell during the evening of 6/20 caused flooding along Weeping Water Creek and most likely many of its tributaries . The flooding caused the evacuations of Weeping Water , Union and Nehawka and shelters were established in each of those towns. Weeping Water Creek at Union crested at a record, almost 33 feet, during the morning of 6/21. Flood stage is 25 feet. The creek at Union was above flood stage from the early morning until early evening hours of 6/21. Many county roads and bridges were flooded in the area as were farmlands near the creek.				
<b>OTOE COUNTY --- 0.7 ESE TALMAGE [40.52, -96.01], 2.5 NNW LORTON [40.60, -96.04], 3.0 SSE OTOE [40.68, -96.10], 2.3 NNE DUNBAR [40.70, -96.01], 1.4 E LORTON [40.57, -95.99], 2.4 E TALMAGE [40.52, -95.98]</b>				
	06/21/10 01:30 CST		2K	Flood (due to Heavy Rain)
	06/22/10 00:15 CST		0	Source: Official NWS Observations
Rainfall of 2 to 4 inches that fell during the evening of 6/20 caused flooding along Little Nemaha River and the North Fork of the Little Nemaha River from around Dunbar southeast through the Auburn area . The Little Nemaha near Auburn, just downstream in Nemaha county, crested at almost 27 feet during the evening of 6/21, flood stage is 22 feet. The river near Auburn was above flood stage from the morning of 6/21 until the morning of 6/22. The flooding along the North Fork of the Little Nemaha caused the evacuation of the houses of 11 people in the Dunbar area. County roads and farmland also experienced flooding.				
<b>NEMAHA COUNTY --- 1.0 SE AUBURN [40.39, -95.82], 3.5 W NEMAHA [40.34, -95.74], 1.4 SSE NEMAHA [40.31, -95.66], 0.8 ENE NEMAHA [40.33, -95.65], 1.6 NNE BROCK [40.50, -95.94], 3.1 NW BROCK [40.51, -96.00]</b>				
	06/21/10 02:00 CST		5K	Flood (due to Heavy Rain)
	06/22/10 05:15 CST		0	Source: Official NWS Observations
Rainfall of 2 to 4 inches that fell during the evening of 6/20 caused flooding along Little Nemaha River in Nemaha county. The river near Auburn crested at almost 27 feet during the evening of 6/21, flood stage is 22 feet. The river near Auburn was above flood stage from the morning of 6/21 until the morning of 6/22. The flooding along the Little Nemaha and tributaries led to the closure of Highways 34 and 75 in the Auburn area and also flooded county roads and agricultural lowlands near the river.				
<b>LANCASTER COUNTY --- 1.2 SW DENTON [40.72, -96.85], 1.1 NNE BENNET [40.69, -96.49], 1.0 NNE WAVERLY [40.93, -96.51], 2.7 ENE MALCOLM [40.92, -96.81]</b>				
	06/21/10 05:37 CST		5K	Flash Flood (due to Heavy Rain)
	06/21/10 07:44 CST		0	Source: Law Enforcement

## 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 second round of heavy rain producing thunderstorms produced additional flash flooding across parts of Lincoln , especially the north part of town near Interstate 80, near 56th and Arbor Road and 63rd and Fletcher.

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**CASS COUNTY --- 0.3 NNE SOUTH BEND [41.00, -96.25], 2.8 ESE SOUTH BEND [40.98, -96.20], 1.2 E CULLOM [41.05, -96.03], 1.9 NNE PLATTSMOUTH [41.05, -95.89], 3.1 ENE OREAPOLIS [41.07, -95.89], 1.4 NNW CULLOM [41.07, -96.06]**

	06/21/10 06:27 CST		5K	Flood (due to Heavy Rain)
	06/23/10 18:00 CST		0	Source: Official NWS Observations

Rainfall of 3 to 5 inches on June 20 and 21 combined with additional heavy rains the days following pushed the Platte River at Louisville above its 9 foot flood stage for much of the time period from the morning of the 21st until the evening of 6/23. The river crested around 9.5 feet during the afternoon of 6/21. Mainly bottom lands along the river were affected , although a few county roads and recreation areas were flooded.

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**SEWARD COUNTY --- 5.2 W STAPLEHURST [40.97, -97.27], 5.4 WNW STAPLEHURST [41.00, -97.26], 9.5 NNW UTICA [41.01, -97.37], 5.2 NNW UTICA [40.94, -97.38]**

	06/21/10 06:29 CST		5K	Flash Flood (due to Heavy Rain)
	06/21/10 08:29 CST		0	Source: Law Enforcement

Heavy rain flooded farm fields and some county roads near Lincoln Creek and Branch Oak Road. Wild Cat Creek near 462nd St. and Davey Road north of Utica also flooded. The water eventually caused Lincoln Creek to flood later in the day.

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**BUTLER COUNTY --- 2.7 ENE ULYSSES [41.08, -97.17], 2.5 SE ULYSSES [41.05, -97.19], 2.0 W SURPRISE [41.10, -97.36], 1.4 ENE SURPRISE [41.11, -97.30], 2.4 NNE ULYSSES [41.10, -97.21]**

	06/21/10 06:30 CST		6K	Flood (due to Heavy Rain)
	06/21/10 20:30 CST		0	Source: Official NWS Observations

Rainfall of 2 to 4 inches on 6/20 caused flooding along the Big Blue River from near Surprise to near Ulysses. The river at Surprise crested at close to 8 feet in the afternoon of 6/21, flood stage is 7 feet. The river was above flood stage at Surprise from the morning until the evening of 6/21. The flooding affected mainly farmland near the river but a few county roads were also flooded .

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**CASS COUNTY --- 2.0 SW GREENWOOD [40.95, -96.46], 2.5 WSW GREENWOOD [40.96, -96.48], 3.2 N GREENWOOD [41.02, -96.43], 4.0 NNE GREENWOOD [41.02, -96.39]**

	06/21/10 07:30 CST		5K	Flood (due to Heavy Rain)
	06/21/10 23:30 CST		0	Source: Official NWS Observations

Heavy rain on June 21st and 22nd caused flooding along Salt Creek from northeast of Lincoln to its confluence with the Platte River northeast of Greenwood. At Greenwood the creek crested at 23.3 feet around noon on the 21st, flood stage is 20 feet. The creek was above flood stage at Greenwood from the morning of the 21st until the late evening of the 21st. Farm fields and county roads near the creek were flooded.

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**SAUNDERS COUNTY --- 1.0 SW ASHLAND [41.04, -96.39], 2.0 SSW ASHLAND [41.02, -96.39], 3.7 ESE ASHLAND [41.03, -96.31], 2.3 ENE ASHLAND [41.06, -96.34]**

	06/21/10 07:30 CST		15K	Flood (due to Heavy Rain)
	06/22/10 18:30 CST		0	Source: Official NWS Observations

Heavy rain on June 20th and 21st caused flooding along Salt Creek from northeast of Lincoln to its confluence with the Platte River northeast of Greenwood. At Greenwood the creek crested at 23.3 feet around noon on the 21st, flood stage is 20 feet. The creek was above flood stage at Greenwood from the morning of the 21st until the late evening of the 21st. Farm fields and county roads near the creek were flooded as were some local ball parks. One of the county roads closed because of flood waters forced the closure of a National Guard Camp for a few days because access to the camp was too difficult.

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**SAUNDERS COUNTY --- 4.2 ENE POLAKS ARPT [41.04, -96.74], 0.9 NE WESTON [41.21, -96.74], 0.5 SW VENICE [41.22, -96.38], 1.9 ENE ASHLAND [41.06, -96.35]**

	06/21/10 08:59 CST		50K	Flood (due to Heavy Rain)
	06/22/10 11:15 CST		0	Source: Official NWS Observations

Rainfall of 2 to 4 inches caused Rock Creek and Wahoo Creek to flood in southern Saunders county . At Ceresco the Rock Creek crested at 18 feet during the evening of 6/21, flood stage is 15 feet. Other flooding was observed from around Ashland northwest to near Wahoo along Wahoo Creek and its tributaries. Wahoo Creek crested around 1/2 foot above its 19 foot flood stage at Ithaca during the evening of 6/21 and almost a foot above its 19 foot flood stage at Ashland during the early morning hours of 6/22. The flooding of these creeks or ponding of water in low areas flooded many farm fields and closed many county roads.

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**SEWARD COUNTY --- 7.0 N UTICA [40.98, -97.35], 5.0 N UTICA [40.95, -97.33], 0.4 SSW SEWARD [40.89, -97.10], 1.3 N SEWARD [40.92, -97.10], 1.7 W STAPLEHURST [40.97, -97.20]**

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/21/10 12:00 CST		10K	Flood (due to Heavy Rain)
	06/27/10 18:00 CST		0	Source: Official NWS Observations

Rainfall of at least 2 to 4 inches on 6/20 and 6/21 and additional rains a few days after that caused prolonged flooding along Lincoln Creek in Seward county. The Creek near Seward crested at a little over 18 feet during the morning of 6/23, flood stage is 15 feet. The creek was above flood stage near Seward from the afternoon of 6/21 until the early evening of 6/27. Flooding of county roads and farmland near the creek was observed.

**BOONE COUNTY --- 0.6 SW ST EDWARD [41.56, -97.88], 2.7 SE ALBION [41.67, -97.97], 3.1 ESE ALBION [41.68, -97.94], 1.2 NE ST EDWARD [41.58, -97.86]**

06/22/10 06:00 CST	5K	Flood (due to Heavy Rain)
06/23/10 06:00 CST	0	Source: Law Enforcement

Rainfall of 2 to 5 inches that fell from 6/20 through 6/22 caused Beaver Creek to flood around the St. Edward area. Besides flooding farm fields and county roads near the creek, Highway 39 just west of St. Edward was closed for a while.

**SALINE COUNTY --- 5.3 NNW CRETE [40.69, -97.00], 3.1 WSW CRETE [40.62, -97.01], 0.5 NNE WILBER MUNI ARPT [40.48, -96.98], 0.3 SW DE WITT [40.40, -96.92], 1.7 NE DE WITT [40.42, -96.90], 5.6 N CRETE [40.71, -96.96]**

06/22/10 22:47 CST	15K	Flood (due to Heavy Rain)
06/29/10 01:00 CST	0	Source: Official NWS Observations

Rainfall of 3 to 5 inches on 6/20 and 6/21 and additional rain the next few days caused the Blue River to flood in Saline County. The river at Crete crested at a little over 22.5 feet around noon CDT on the 26th, flood stage is 18 feet. The river at Crete was above flood stage from around midnight on the 22nd until the early morning of 6/29. Farmland and county roads near the river flooded.

**SALINE COUNTY --- 2.9 NW WILBER MUNI ARPT [40.50, -97.02], 1.6 N WILBER [40.50, -96.94], 0.5 ENE DE WITT [40.40, -96.91], 2.6 WSW DE WITT [40.39, -96.97], 3.0 SSW WILBER MUNI ARPT [40.43, -97.01]**

06/23/10 17:30 CST	2K	Flood (due to Heavy Rain)
06/25/10 09:00 CST	0	Source: Official NWS Observations

Heavy rain prior to June 23rd caused Turkey Creek to flood lowlands and a few roads near Wilber. A base camp of a film production crew was wiped out either by Turkey Creek or one of its tributaries. The creek at Wilber was near or a little above its 11 foot flood stage for almost 2 days.

**SALINE COUNTY --- 3.0 NE DORCHESTER [40.68, -97.08], 5.5 NNW CRETE [40.70, -96.99], 4.5 NNW CRETE [40.69, -96.98], 3.1 ENE DORCHESTER [40.66, -97.06]**

06/25/10 04:00 CST	2K	Flood (due to Heavy Rain)
06/27/10 04:00 CST	0	Source: Official NWS Observations

Rainfall of 3 to 5 inches on 6/20 and 6/21 and additional rain the next few days eventually caused the West Fork of the Blue River to flood in Saline County. The river near Dorchester crested at a little over 16.5 feet during the evening of 6/26, flood stage is 15 feet. Farmland and county roads near the river flooded.

**Low pressure over southeast Nebraska and a warm front extending east sank slowly south during the evening and overnight hours of June 20th. Thunderstorms developed in the Lincoln area during the early evening of 6/20 and remained nearly stationary for a few hours before slowly building east. Another area of storms that developed southwest of Lincoln merged with the cells near Lincoln and pushed through southeast Nebraska by late evening. Additional storms that developed early in the evening in central Nebraska spread into northeast Nebraska during the evening and even more thunderstorm activity spread over eastern Nebraska during the overnight hours. The storms produced large hail and very heavy rain which caused some flash flash flooding and creek and river flooding that was aggravated by additional thunderstorms during the next few days. Flood damage from the storms in Nebraska during June was estimated at least at 20 million dollars which did not even include damage to private property or crops. The White House declared a federal disaster for 53 Nebraska counties for June flooding.**

**PAWNEE COUNTY --- 4.2 N DU BOIS [40.09, -96.05]**

06/21/10 19:22 CST	0	Hail (0.75 in)
06/21/10 19:22 CST	0	Source: Storm Chaser

The storm may have also produced a funnel cloud.

**Thunderstorms developed in southeast Nebraska just north of a warm front during the evening of June 21. One storm produced hail up to 3/4 inch in diameter.**

**SALINE COUNTY --- 6.1 SW DORCHESTER [40.58, -97.19]**

06/22/10 20:20 CST	0	Thunderstorm Wind (MG 50 kt)
06/22/10 20:20 CST	0	Source: Storm Chaser

A storm chaser measured a thunderstorm wind gust of 58 mph southeast of Friend.

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>MADISON COUNTY --- BATTLE CREEK [42.00, -97.60]</b>				
	06/22/10 20:50 CST	0		Hail (1.75 in)
	06/22/10 21:00 CST	0		Source: Trained Spotter
Very little/no rain was falling when the hail began.				
<b>SEWARD COUNTY --- 2.8 S PLEASANT DALE [40.74, -96.92]</b>				
	06/22/10 20:55 CST	0		Thunderstorm Wind (EG 52 kt)
	06/22/10 20:55 CST	0		Source: Trained Spotter
A spotter estimated that thunderstorm wind gusts reached 60 mph.				
<b>MADISON COUNTY --- NORFOLK [42.03, -97.42]</b>				
	06/22/10 21:00 CST	0		Hail (1.00 in)
	06/22/10 21:00 CST	0		Source: Trained Spotter
<b>ANTELOPE COUNTY --- ELGIN [41.98, -98.08]</b>				
	06/22/10 21:08 CST	0		Thunderstorm Wind (EG 55 kt)
	06/22/10 21:08 CST	0		Source: Law Enforcement
Thunderstorm winds estimated at over 60 mph downed a few trees in the Elgin area.				
<b>ANTELOPE COUNTY --- NELIGH [42.13, -98.03]</b>				
	06/22/10 21:15 CST	0		Thunderstorm Wind (EG 55 kt)
	06/22/10 21:15 CST	0		Source: Law Enforcement
Thunderstorm wind gusts estimated at over 60 mph downed trees in the Neligh area.				
<b>KNOX COUNTY --- 2.0 W CROFTON [42.73, -97.52]</b>				
	06/22/10 21:17 CST	0		Hail (1.00 in)
	06/22/10 21:17 CST	0		Source: Emergency Manager
<b>DOUGLAS COUNTY --- 0.9 NNW LANE [41.26, -96.19], OMAHA EPPLEY ARPT [41.30, -95.90]</b>				
	06/22/10 21:23 CST	0		Thunderstorm Wind (MG 55 kt)
	06/22/10 22:04 CST	0		Source: ASOS
A thunderstorm with strong winds downed large tree limbs and power lines across much of Omaha as it moved across town . The Asos at Omaha-Eppley airport measured a wind gust of 63 mph with the storm.				
<b>CEDAR COUNTY --- 2.1 SSW MENOMINEE [42.75, -97.43]</b>				
	06/22/10 21:49 CST	0		Thunderstorm Wind (EG 61 kt)
	06/22/10 21:49 CST	0		Source: Law Enforcement
Law enforcement estimated that thunderstorm winds reached around 70 mph. Winds from this same thunderstorm downed trees in the Hartington area, which is several miles to the southeast, several minutes later.				
<b>CEDAR COUNTY --- 2.1 NE HARTINGTON [42.64, -97.24], HARTINGTON [42.62, -97.27]</b>				
	06/22/10 22:05 CST	0		Thunderstorm Wind (EG 55 kt)
	06/22/10 22:10 CST	0		Source: Law Enforcement
Thunderstorm wind gusts estimated at over 60 mph downed trees and destroyed at least one farm outbuilding in the Hartington area.				
<b>BURT COUNTY --- 0.5 E TEKAMAH [41.78, -96.22]</b>				
	06/22/10 22:06 CST	0		Thunderstorm Wind (EG 50 kt)
	06/22/10 22:06 CST	0		Source: ASOS
The Asos at Tekamah measured a thunderstorm wind gust of 58 mph.				
<b>KNOX COUNTY --- 2.0 WSW CREIGHTON [42.46, -97.92], 2.1 WSW CREIGHTON [42.46, -97.92], 1.7 WSW CREIGHTON [42.46, -97.91], 1.6 W CREIGHTON [42.47, -97.91], 1.9 W CREIGHTON [42.47, -97.92]</b>				

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/22/10 22:35 CST		2K	Flash Flood (due to Heavy Rain)
	06/23/10 00:35 CST		0	Source: Newspaper
<p>Rainfall of around 3.5 inches caused flash flooding and evacuation of campers at Bruce Park in Creighton. Creighton's city hall also sustained substantial water damage due to the heavy rain which ponded on the roof and then leaked around a flashing.</p>				
<hr/>				
<b>PLATTE COUNTY --- 0.7 E PLATTE CENTER [41.53, -97.49], 1.6 SSE PLATTE CENTER [41.51, -97.49], 4.3 NNE SHELDONVILLE [41.51, -97.39], 4.6 E PLATTE CENTER [41.53, -97.41]</b>				
	06/23/10 04:00 CST		2K	Flood (due to Heavy Rain)
	06/24/10 19:00 CST		0	Source: Newspaper
<p>Rainfall of another 1 to 2 inches June 22 fell across parts of the Shell Creek basin near and north of Columbus. The rains fell on saturated soils due to the over 5 to 8 inches of rain that fell earlier in the month. This produced some lowland flooding along Shell Creek from near Platte Center to east of Highway 81. The high water closed county roads and Highway 81 for a while on the 23rd and 24th in addition to flooding farmland along the creek.</p>				
<p><b>An upper level disturbance lifted from the central Rockies across Nebraska during the overnight hours of June 22nd and 23rd. As it did a warm front along the Kansas border lifted north across eastern Nebraska and western Iowa. Thunderstorms that developed near the front in the late afternoon and early evening of the 22nd lifted northeast across the region that evening. The storms turned severe late in the evening, producing mainly strong wind gusts.</b></p>				
<hr/>				
<b>(NE-Z034) BURT, (NE-Z044) DODGE, (NE-Z045) WASHINGTON, (NE-Z050) BUTLER, (NE-Z051) SAUNDERS, (NE-Z052) DOUGLAS, (NE-Z053) SARPY, (NE-Z066) LANCASTER, (NE-Z067) CASS</b>				
	06/26/10 14:00 CST		0	Heat
	06/26/10 17:00 CST		0	
<p>Temperatures across eastern Nebraska and southwest Iowa climbed into the lower to mid 90s during the afternoon of June 26th. When combined with dew point temperatures that reached the 75 to 80 degree range across parts of the area, heat index values reached between 105 and 110 degrees for several hours.</p>				
<hr/>				
<b>ANTELOPE COUNTY --- 2.1 SE ROYAL [42.31, -98.10]</b>				
	06/26/10 17:15 CST		0	Thunderstorm Wind (EG 50 kt)
	06/26/10 17:15 CST		0	Source: Law Enforcement
<p>Thunderstorm winds estimated at close to 60 mph downed large tree limbs near Royal.</p>				
<hr/>				
<b>ANTELOPE COUNTY --- 0.9 NW NELIGH [42.14, -98.04]</b>				
	06/26/10 17:21 CST		0	Hail (0.75 in)
	06/26/10 17:21 CST		0	Source: Trained Spotter
<hr/>				
<b>KNOX COUNTY --- 6.3 N CROFTON [42.82, -97.50]</b>				
	06/26/10 17:40 CST		0	Hail (1.00 in)
	06/26/10 17:40 CST		0	Source: Public
<hr/>				
<b>THURSTON COUNTY --- 2.0 W WINNEBAGO [42.23, -96.51]</b>				
	06/26/10 22:40 CST		0	Hail (1.00 in)
	06/26/10 22:40 CST		0	Source: Trained Spotter
<hr/>				
<b>ANTELOPE COUNTY --- 0.9 NE ORCHARD [42.34, -98.24]</b>				
	06/26/10 23:20 CST		0	Hail (1.00 in)
	06/26/10 23:20 CST		0	Source: Trained Spotter
<hr/>				
<b>COLFAX COUNTY --- 0.5 W LEIGH [41.70, -97.24]</b>				
	06/26/10 23:40 CST		0	Thunderstorm Wind (EG 55 kt)
	06/26/10 23:40 CST		0	Source: Law Enforcement
<p>Thunderstorm winds estimated at over 60 mph downed trees and power lines near Leigh and caused roof damage to several homes in the area.</p>				
<hr/>				
<b>PIERCE COUNTY --- PIERCE [42.20, -97.53]</b>				
	06/27/10 00:10 CST		0	Hail (1.00 in)
	06/27/10 00:10 CST		0	Source: Law Enforcement

## Storm Data and Unusual Weather Phenomena - June 2010

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
The hail was accompanied by winds that were estimated at over 60 mph. The wind driven hail caused crop damage in the area and also some damage in town.				

**CUMING COUNTY --- 0.9 NE WEST PT [41.84, -96.71]**

06/27/10 00:15 CST	0	Thunderstorm Wind (EG 55 kt)
06/27/10 00:15 CST	0	Source: Law Enforcement

Thunderstorm wind gusts estimated at over 60 mph downed trees across Highway 275 in West Point.

**PIERCE COUNTY --- PIERCE [42.20, -97.53], 0.9 ENE PIERCE [42.20, -97.51]**

06/27/10 00:15 CST	0	Thunderstorm Wind (EG 60 kt)
06/27/10 00:20 CST	0	Source: Emergency Manager

Thunderstorm winds estimated at around 70 mph caused extensive damage in and near Pierce. Buildings sustained roof damage and numerous trees were downed which also downed some power lines. Especially hard hit was Gilman Park where one large cottonwood fell on the park shelter house destroying it. About 15 dump-truck loads of cut-up trees and branches were hauled away from the park alone. A center pivot was flipped and other personal property damage was noted. Several roads were blocked by the fallen trees. According to the park superintendent the damage was mainly in a 5-mile-by-3 mile area. Crops in the area also sustained damage due wind driven hail that was up to 1 inch in diameter.

**CUMING COUNTY --- 0.7 S BANCROFT [42.01, -96.57]**

06/27/10 00:20 CST	0	Thunderstorm Wind (EG 50 kt)
06/27/10 00:20 CST	0	Source: Trained Spotter

Thunderstorm wind gusts estimated at close to 60 mph downed several large tree limbs in town.

**THURSTON COUNTY --- 0.5 W WALTHILL [42.15, -96.49]**

06/27/10 01:12 CST	0	Thunderstorm Wind (EG 55 kt)
06/27/10 01:12 CST	0	Source: Law Enforcement

Thunderstorm winds estimated at over 60 mph downed power poles and power lines in the area.

**THURSTON COUNTY --- 0.5 ESE PENDER MUNI ARPT [42.12, -96.72], 0.1 S PENDER [42.12, -96.70], 1.1 S PENDER [42.10, -96.70], 1.2 SSE PENDER MUNI ARPT [42.10, -96.72]**

06/27/10 01:15 CST	0	Flash Flood (due to Heavy Rain)
06/27/10 02:15 CST	0	Source: Emergency Manager

Rainfall of over an inch in less than 1 hour caused flash flooding across several streets in Pender.

**THURSTON COUNTY --- 0.7 N WINNEBAGO [42.24, -96.47], 0.2 NE WINNEBAGO [42.23, -96.47], 0.5 NW WINNEBAGO [42.23, -96.48], 0.8 NNW WINNEBAGO [42.24, -96.48]**

06/27/10 01:15 CST	0	Flash Flood (due to Heavy Rain)
06/27/10 02:15 CST	0	Source: Emergency Manager

Rainfall of over an inch in less than 1 hour caused flash flooding of several streets in Winnebago.

**Isolated severe thunderstorms developed in northeast Nebraska near a warm front during the early evening of June 26th. After these storms moved northeast of the region, additional thunderstorms developed a little after midnight as an upper level disturbance pushed a cold front across the area. The late-night storms produced damaging winds and very heavy rain which caused isolated flash flooding reports.**