

## Chapter 9:

# Severe Winter Storm

Fremont County has historically experienced severe winter storms. Severe weather events in the county from 1931 to the present are documented in the table that follows with the source for this information being <http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwevent~storms>. Severe winter events can affect portions, such as upslope conditions in Lander and the foothills of the Wind River Range with extreme snowfall followed by an extended period of cold weather if the inversion condition develops in the Wind River basin.

Any of the severe weather events can affect the entire county or a major portion of the state or region. Stranded motorists and people unexpectedly caught outside in winter storms risk hypothermia, starvation and even death without adequate shelter, food and water supplies. Search and rescue teams and emergency medical services could be strained by attempts to rescue such people. If you become stranded while traveling with your vehicle it is recommended you stay with the vehicle. Each year the state has citizens who decide to walk to get help and become victims of Wyoming weather.

Because Fremont County contains many isolated areas, conditions can affect segments of the population where significant damage has been documented over time. Early preparedness measures are encouraged at all time to the citizens of the county.

The snow, ice, and extended periods of cold associated with winter storms such as these could potentially affect Fremont County's infrastructure. One of the problems with living in the Wind River Basin area is that temperature inversions develop that can trap cold air in the lower elevations of the basin for an extended time. The only way to remove the temperature inversion out of the area is with winds. A combination of the extreme cold, wind and snow at times even make the current resident populations wonder why they are still living here.

Heavy snow and ice precipitation could shut down county transportation systems. Blocked roads and railroads could result in isolation from needed amenities including: food, water, fuel, medical supplies, and emergency services.

County power and communication systems could also be compromised due to winter storms. Power and phone lines could freeze or be knocked down. Lack of electricity and communication with the outside world could further hinder residents' ability to sustain themselves throughout a storm.

Winter storms could also cause structural damage to county buildings and residences. Heavy snow loads can collapse roofs and extreme cold temperatures can freeze water lines for both the human population as well as livestock.

## **History's Impacts**

The winter of 1948-1949 and 1978-1979 are both examples of extreme conditions over an extended period of time. Daily activities change to meet the “basic needs” of the population and livestock rather than the “wants”. The survival "basic needs" were to keep the water unfrozen and working, maintain vehicles in running conditions, keep livestock fed and watered and get through the day without anymore loss of property or livestock than you had when the day started. Sometimes all you got done is thaw the water to the livestock.

## **Impacts on Ranching & Wildlife**

Fremont County has large ranching communities and wildlife populations that may also be impacted by severe winter storms. Freezing streams can make water supplies scarce for both livestock and wildlife. Heavy snowfall could hinder both the animals’ ability to find food and ranchers’ attempts to bring food to their livestock. Freezing and thawing of the snow will create layers of ice that the animals have trouble breaking through to get feed laying underneath. Some species of livestock and wildlife to not "paw" to obtain food under the snow and ice cover. Finally, without adequate shelter, prolonged exposure to cold and wet conditions could ultimately result in loss of life.

After the winter season of large amounts of snow, flood events may result from winter storms in rapid runoff or rain on the snow in the higher elevations causing a rapid melting.

## **Tornados, Thunder Storms and Wind Storms**

Fremont County has the potential to be affected by tornados, high winds, and thunderstorms. Severe weather events in the county from 1931 to the present are included in the table that follows.

Historically, tornados in this county have been relatively small on the Fujita scale (F0 to F3), but F3 tornados can produce winds up to 206 mph (179 knots). High winds can cause damage to buildings both directly (tearing shingles from roofs, tearing awnings, collapsing structures, etc.) and indirectly (falling trees and power lines, airborne projectiles, etc.).

Thunderstorms can produce rain, hail, and lightning. Large amounts of rain and/or hail may create flash flooding events, especially in areas where water is funneled into a restricted channel such as a canyon. Hail can damage cars, windows, roofs, power lines, as well as agricultural crops and trees. Lightning poses a direct threat to humans and animals caught outside in the severe weather and can also cause fires.

## **Impact**

Severe winter storms affect far more people in Wyoming than their summer counterparts, even though they are inherently less violent. Severe snowstorms are so extensive that they usually require a day or two to cross and completely exit the state. Blizzard conditions bring the triple

threat of heavy snowfall, strong winds and low temperatures. Poor visibility and huge snowdrifts are major hazards caused by blowing snow. These storms disrupt work, make travel difficult or impossible, isolate communities, kill livestock by the hundreds or thousands and sometimes leave human fatalities in their wake.

Fortunately, the simultaneous combination of heavy snowfall, strong winds and low temperatures are fairly rare, even in Wyoming. In some places, however, strong winds often lift snow crystals from the ground in quantities large enough to produce hazardous ground blizzards without accompanying snowfall.

Data shows that Lake Yellowstone and Lander lead the state in frequency of major snowstorms with an average of about five such days per year. The time of year when they receive these storms, however, is quite different. At Lake Yellowstone and throughout most of western Wyoming, major snowstorms strike most often in the mid-winter months. In the Lander area and most other parts of the state (excluding the high mountains), major snowstorms hit with greatest frequency in March and April. The springtime snowstorm peak is particularly destructive for ranchers because it coincides with calving and lambing seasons.

## **Warning of the Population**

Modern communications takes many forms. Cell phones (which have replaced land lines for many citizens) and affordable home computers have generated such social medias as Twitter and Facebook. Most of the public also have televisions with local news capabilities. Radio is also still used for immediate local/state news.

In the current time of mass communications, people can communicate around the world through the world wide web (www). However, we sometimes forget the rural areas of Fremont County are plagued by dead spots for cell phones and must use land lines for internet access. Emergency Services can miss getting an emergency notification to the individual with dish TV or satellite radio. This brings to the forefront the increased importance of the National Oceanic and Atmospheric Administration Weather Alert Radios. Notification to the public can be done with the weather alert radio even though they may not be in contact with the local media, regular radio or television to warn people of an emergency situation.

Only through the notification of the population can emergency services hope to have citizens take shelter away from severe weather, be prepared for a storm or evacuate an area where a hazard has developed such as a fire or hazardous materials spill. In Fremont County's more populated areas of towns and cities, citizens may be notified through a public address systems on mobile units. Citizens wanting information then call the 911 Dispatch Center with questions basically rendering the 911 Dispatch Center overloaded by the volume of calls. This renders the system unable to take any "emergency" 911 calls.

In rural areas, the notification of citizens following the NOAA Weather Alert announcement over the radio and announcements by local media followed by messages, in a specific area, may be followed by "door-to-door" contacts. Notification of this type may be better handled through

a “reverse 911 call”. However, each of those "reverse 911 calls" must be made manually through the phone system and take time and personnel to deliver the messages.

Probably the least time consuming method to notify the citizens would be addressed through the NOAA Weather Radio System with an alert coming from the Emergency Dispatch Center or the National Weather Service to the citizens. This method can be used for local notification when citizens are using satellite radio and/or television, which has become so popular today.

## Events Happening in History

Severe weather events in the county from 1931 to the present are listed in the following table. The dollar value of losses will be in the value in dollars at the time of the incident occurred. A monetary conversion needs to be made to “today’s dollar value” to compare total losses. The weather event listing has a wide spectrum of incidents.

## Severe Weather Events in History

The following table provides documentation from the NOAA Satellite and Information Service; National Environmental Satellite, Data, and Information Service (NESDIA) on severe weather events occurring in Fremont County from 1931 through 2010.

Codes used in the table are as follows.

**Mag:** Magnitude  
**Dth:** Death  
**Inj:** Injuries  
**PrD:** Property Damage  
**CrD:** Crop Damage

*Note: Damage estimates which appear in the table do not at this time have a source for those figures. A request was made to the web site for their source of damage estimates. No response was received as of March 2011.*

This Storm Events Database is updated when the data becomes available to National Climate Data Center. The data is updated on a monthly basis and is usually 90-120 days behind the current month.

Location or County	Date	Time	Type	Mag	Dth	Inj	PrD	CrD
Fremont	03/25/1931		Snow, Blizzard	3 days	2	0	0	0
Fremont	01/02/1949		Snow, blizzard, wind, cold	49 days	17		9 M	
Fremont	03/25/1950		Snow, wind	2 days	1			
Fremont	03/22/1957		Snow	3 days				
Fremont	05/22/1958	1517	Hail	1.00in.	0	0	0	0
Fremont	10/07/1961		Snow, heavy & high winds	2 days				
Fremont	10/28/1961		Snow, heavy & high winds		5	4	27K	
Fremont	06/16/1962	1650	Tornado	F3	0	0	3K	0
Fremont	04/23/1964	1330	Tornado	F1	0	0	25K	0
Fremont	08/08/1964	1926	Tstm Wind	78 kts.	0	0	0	0
Fremont	07/02/1965	1700	Hail	1.25in.	0	0	0	0
Fremont	09/15/1965		Snow, heavy; severe cold	2 days	0	0	27K	
Fremont	08/05/1966	1600	Tstm Wind	52 kts.	0	0	0	0
Fremont	09/24/1966	1409	Tstm Wind	52 kts.	0	0	0	0
Fremont	06/06/1967	1430	Tornado	F2	0	2	0K	0
Fremont	06/14/1967	1700	Tornado	F1	0	1	25K	0
Fremont	04/02/1968		Snow, blizzard	1 day	3	0	275K	
Fremont	06/05/1968	1300	Tornado	F1	0	0	3K	0
Fremont	06/06/1968	1530	Tornado	F1	0	0	25K	0
Fremont	09/14/1968	1515	Tstm Wind	58 kts.	0	0	0	0
Fremont	08/16/1969	1630	Tstm Wind	56 kts.	0	0	0	0
Fremont	06/22/1972	1447	Tstm Wind	52 kts.	0	0	0	0
Fremont	03/13/1973		Snow, blizzard	2 days	0	0	275K	
Fremont	06/17/1973	1513	Tstm Wind	52 kts.	0	0	0	0
Fremont	08/27/1973	1530	Tornado	F2	0	0	25K	0
Fremont	09/08/1973	1420	Hail	1.00in.	0	0	0	0
Fremont	09/08/1973	1425	Hail	1.75in.	0	0	0	0
Fremont	07/03/1974	1540	Tstm Wind	0 kts.	0	0	0	0
Fremont	03/27/1975		Snow, blizzard	2 days	0	0	2.75M	

Location or County	Date	Time	Type	Mag	Dth	Inj	PrD	CrD
Fremont	05/19/1975		Snow, heavy, wind	2 days	0	0	27K	
Fremont	07/02/1975	2015	Hail	1.00in.	0	0	0	0
Fremont	12/31/1975		Snow, blizzard	2 days	0	0	275K	
Fremont	08/03/1976	1536	Tornado	F1	0	0	0K	0
Fremont	06/20/1977	1215	Tornado	F1	0	0	0K	0
Fremont	06/20/1977	1400	Hail	0.75in.	0	0	0	0
Fremont	11/16/1977		Snow, wind	3 days	1	0	275K	
Fremont	12/05/1978		Snow, high wind	2 days	0	0	275K	
Fremont	01/01/1979		Snow; cold	31 days	0	0	2.5 M	
Fremont	09/26/1979	1101	Tstm Wind	50 kts.	0	0	0	0
Fremont	01/10/1980		Snow		0	0	UKN	
Fremont	01/25/1980		Snow, heavy, bitter cold	2 days	4	?	UKN	
Fremont	08/03/1980	1400	Tornado	F1	0	0	250K	0
Fremont	10/14/1980		Snow, blizzard	2 days	4	5	UKN	
Fremont	08/27/1980	1600	Tstm Wind	0 kts.	0	0	0	0
Fremont	06/07/1981	0330	Tstm Wind	60 kts.	0	0	0	0
Fremont	07/06/1981	1859	Tstm Wind	51 kts.	0	0	0	0
Fremont	06/24/1982	1415	Hail	0.75in.	0	0	0	0
Fremont	06/24/1982	1445	Hail	1.75in.	0	0	0	0
Fremont	06/24/1982	1815	Hail	1.00in.	0	0	0	0
Fremont	07/23/1982	1800	Tstm Wind	71 kts.	0	0	0	0
Fremont	09/13/1982		Snow, heavy wet	2 days	0	6	2.75M	2.75M
Fremont	12/01/1982		Snow, heavy, blizzard		1	0	UKN	
Fremont	12/23/1982		Snow, heavy, blizzard	2 days	0	0	UKN	
Fremont	01/08/1983		Snow, localized blizzard	2 days	0	0	2.75K	
Fremont	04/12/1983		Snow, heavy	2 days	0	0	?	
Fremont	05/11/1983		Snow, heavy		0	0	?	
Fremont	09/07/1983	1800	Tstm Wind	0 kts.	0	0	0	0
Fremont	09/07/1983	1820	Tstm Wind	0 kts.	0	0	0	0
Fremont	09/07/1983	1907	Tstm Wind	58 kts.	0	0	0	0
Fremont	12/04/1983		Snow, heavy		0	0	2.75K	

Location or County	Date	Time	Type	Mag	Dth	Inj	PrD	CrD
Fremont	12/20/1973		Subzero cold	5 days	0	?	2.75M	
Fremont	04/25/1984		Snow, blizzard	2 days	2	?	100M	27.5K
Fremont	06/14/1984	2212	Hail	1.75in.	0	0	0	0
Fremont	06/14/1984	2307	Hail	1.75in.	0	0	0	0
Fremont	07/14/1984	2100	Hail	1.75in.	0	0	0	0
Fremont	05/26/1985	1525	Tstm Wind	56 kts.	0	0	0	0
Fremont	07/06/1985	1558	Tstm Wind	57 kts.	0	0	0	0
Fremont	12/08/1985		Snow, heavy	1 day	1	0	0	
Fremont	02/17/1986		Snow, blizzard	2 days	0	0	27.5K	
Fremont	06/07/1986	1630	Tornado	F2	0	0	250K	0
Fremont	06/14/1986	1555	Tstm Wind	55 kts.	0	0	0	0
Fremont	07/04/1986	1731	Tstm Wind	51 kts.	0	0	0	0
Fremont	07/04/1986	1756	Tstm Wind	51 kts.	0	0	0	0
Fremont	07/05/1986	1800	Tstm Wind	0 kts.	0	0	0	0
Fremont	08/23/1986	1550	Tstm Wind	63 kts.	0	0	0	0
Fremont	02/23/1987		Snow, heavy	2 days	0	?	0	
Fremont	03/20/1987		Snow, heavy	2 days	0	0	0	0
Fremont	04/30/1987	1830	Tstm Wind	52 kts.	0	0	0	0
Fremont	06/15/1987	1805	Tstm Wind	54 kts.	0	0	0	0
Fremont	06/15/1987	1830	Tstm Wind	52 kts.	0	0	0	0
Fremont	07/21/1987	1630	Tstm Wind	56 kts.	0	0	0	0
Fremont	07/21/1987	1705	Tstm Wind	0 kts.	0	0	0	0
Fremont	08/10/1987	1557	Tstm Wind	58 kts.	0	0	0	0
Fremont	01/10/1988		High wind, Snow, heavy	2 days	0	0	0	0
Fremont	01/24/1988		Snow	2 days	0	0	0	0
Fremont	04/07/1988	1430	Tstm Wind	80 kts.	0	0	0	0
Fremont	07/16/1988	1550	Tstm Wind	50 kts.	0	0	0	0
Fremont	08/02/1988	1444	Tstm Wind	58 kts.	0	0	0	0
Fremont	08/02/1988	1515	Tstm Wind	52 kts.	0	0	0	0
Fremont	09/10/1988	1230	Tstm Wind	56 kts.	0	0	0	0
Fremont	09/10/1988	1355	Hail	1.25in.	0	0	0	0

Location or County	Date	Time	Type	Mag	Dth	Inj	PrD	CrD
Fremont	09/10/1988	1455	Tstm Wind	55 kts.	0	0	0	0
Fremont	11/12/1988		Snow	2 days	0	0	0	0
Fremont	02/02/1989		Extreme cold	4 days	0	0	0	0
Fremont	03/13/1989	1450	Tstm Wind	51 kts.	0	0	0	0
Fremont	07/09/1989	1620	Tornado	F0	0	0	0K	0
Fremont	12/21/1989		Extreme cold	2 days	0	0	0	0
Fremont	05/24/1990	1419	Tstm Wind	52 kts.	0	0	0	0
Fremont	07/02/1990	1820	Tstm Wind	50 kts.	0	0	0	0
Fremont	07/24/1990	1530	Hail	1.00in.	0	0	0	0
Fremont	07/31/1990	1800	Tstm Wind	50 kts.	0	0	0	0
Fremont	08/11/1990	1515	Hail	1.00in.	0	0	0	0
Fremont	12/18/1990		Snow, heavy, bitter cold	4 days	0	0	27.5K	0
Fremont	05/27/1991	1145	Hail	0.75in.	0	0	0	0
Fremont	10/16/1994		Snow, heavy	2 days	0	0	0	0
Fremont	06/14/1995	1500	Flood	N/A	1	0	0	0
Fremont	07/14/1995	0000	Flood	N/A	0	0	9K	0
Fremont	10/17/1995	2200	Heavy Snow	N/A	0	0	0	0
Fremont	01/01/1996		Snow, heavy		0	0		
Fremont	01/16/1996		Snow, blizzard	2 days	0	0		
Fremont	01/20/1996		High wind, blowing snow	2 days	0	0	0	0
Fremont	01/24/1996		Snow, blizzard		0	0		
Fremont	01/27/1996		Snow, wind	2 days	0	0		
Fremont	02/01/1996		Extreme cold	4 days	1	0	50K	
Fremont	03/23/1996		Snow, heavy		0	0		
Pavillion	05/22/1997	10:00PM	Flash Flood	N/A	0	0	0	0
Riverton	06/06/1997	02:25PM	Tornado	F1	0	0	0	0
NWS Riverton	06/08/1997	03:02PM	Hail	0.75 in.	0	0	0	0
Riverton	06/08/1997	04:10PM	Flash Flood	N/A	0	0	0	0
Riverton	06/08/1997	04:15PM	Flash Flood	N/A	0	0	0	0
Riverton	06/08/1997	05:35PM	Flash Flood	N/A	0	0	0	0

Location or County	Date	Time	Type	Mag	Dth	Inj	PrD	CrD
Riverton	06/14/1997	08:50PM	Hail	0.75in.	0	0	0	0
Dubois	07/19/1997	01:20PM	Funnel Cloud	N/A	0	0	0	0
Dubois	07/19/1997	11:25AM	Hail	1.00in.	0	0	0	0
Lander	08/12/1997	07:40PM	Hail	0.75in.	0	0	0	0
Riverton Airport	09/11/1997	03:20PM	Tstm Wind	50 kts.	0	0	0	0
Fremont	10/23/1997		Snow, blizzard	2 days	0	0		
Fremont	01/10/1998		Snow	2 days	0	0		
Fremont	03/17/1998		Snow, blowing and drifting snow	2 days				
Fremont	04/14/1998		Snow, heavy	2 days	0	1		
Lander	05/13/1998	03:40PM	Hail	1.25in.	0	0	0	0
Lander Hunt Fld	05/13/1998	03:48PM	Hail	0.75in.	0	0	0	0
Lander Hunt Fld	05/13/1998	04:25PM	Hail	0.75in.	0	0	0	0
Fremont	06/02/1998		Snow, heavy	1 days	0	0		
Crowheart	06/12/1998	04:47PM	Hail	1.00in.	0	0	0	0
Riverton	06/13/1998	05:37PM	Hail	1.00in.	0	0	0	0
Riverton	06/22/1998	03:30PM	Tstm Wind	57 kts.	0	0	0	0
Lysite	07/02/1998	05:50PM	Hail	1.50in.	0	0	0	0
Shoshoni	07/02/1998	06:30PM	Hail	1.00in.	0	0	0	0
Lander Hunt Fld	07/31/1998	02:16PM	Tstm Wind	50 kts.	0	0	0	0
Hudson	07/31/1998	02:35PM	Tstm Wind	52 kts.	0	0	0	0
Riverton	07/31/1998	02:52PM	Tstm Wind	52 kts.	0	0	0	0
Shoshoni	07/31/1998	03:15PM	Tstm Wind	52 kts.	0	0	0	0
Shoshoni	07/31/1998	03:20PM	Tstm Wind	52 kts.	0	0	0	0
Riverton Airport	08/30/1998	05:20PM	Tstm Wind	51 kts.	0	0	0	0
Dubois	09/12/1998	07:00PM	Urban/sml Stream Fld	N/A	0	0	0	0
Riverton	09/12/1998	08:10PM	Urban/sml Stream Fld	N/A	0	0	0	0
Fremont	10/17/1998		Snow, wind	2 days	0	0	1M	
Fremont	03/31/1999		Snow, heavy		0	0		

Location or County	Date	Time	Type	Mag	Dth	Inj	PrD	CrD
Fremont	04/01/1999		Snow, heavy		0	0		
Fremont	04/22/1999		Snow, heavy	2 days	0	0		
Shoshoni	04/28/1999	04:15PM	Tornado	F0	0	0	0	0
Moneta	04/28/1999	04:50PM	Tornado	F0	0	0	0	0
Shoshoni	06/07/1999	03:15PM	Tstm Wind	52 kts.	0	0	0	0
Ft. Washakie	06/17/1999	04:45PM	Hail	1.75in.	0	0	0	0
Shoshoni	09/02/1999	09:00PM	Heavy Rain	N/A	0	0	0	0
Lander	09/10/1999	12:00PM	Wild/forest Fire	N/A	0	0	0	0
Fremont	09/27/1999		Snow, heavy	1 day	0	0		
Fremont	10/15/1999		Snow, heavy	2 days	0	0		
Riverton	05/17/2000	01:14AM	Hail	1.50in.	0	0	0	0
Ft. Washakie	05/17/2000	12:08AM	Hail	0.75in.	0	0	0	0
Kinnear	05/17/2000	12:44AM	Hail	0.88in.	0	0	0	0
Riverton Airport	06/27/2000	02:38PM	Tstm Wind	51 kts.	0	0	0	0
Riverton	06/27/2000	02:50PM	Hail	0.75in.	0	0	0	0
Riverton	06/27/2000	02:58PM	Hail	0.75in.	0	0	0	0
Lander Hunt Fld	07/17/2000	04:53PM	Tstm Wind	50 kts.	0	0	0	0
Jeffrey City	09/01/2000	01:25PM	Hail	0.75in.	0	0	0	0
Hudson	05/27/2001	02:07PM	Hail	1.75in.	0	0	0	0
Hudson	05/27/2001	02:20PM	Hail	0.75in.	0	0	0	0
Riverton	06/03/2001	09:40AM	Hail	0.88in.	0	0	0	0
Jeffrey City	06/12/2001	03:50PM	Tstm Wind	69 kts.	0	0	0	0
Lander	07/04/2001	01:00PM	Wild/forest Fire	N/A	1	1	70K	0
Lander Hunt Fld	07/27/2001	05:53PM	Tstm Wind	55 kts.	0	0	0	0
Lander	09/14/2001	02:25PM	Flash Flood	N/A	0	0	0	0
Lander	09/14/2001	02:25PM	Hail	0.75in.	0	0	0	0
Lander	09/14/2001	02:29PM	Hail	1.00in.	0	0	0	0
Lander	09/14/2001	02:30PM	Flash Flood	N/A	0	0	0	0
Lander	09/14/2001	02:32PM	Hail	0.88in.	0	0	0	0
Lander	09/14/2001	02:42PM	Hail	0.75in.	0	0	0	0

Location or County	Date	Time	Type	Mag	Dth	Inj	PrD	CrD
Lander	09/14/2001	02:42PM	Hail	1.75in.	0	0	0	0
Lander	09/14/2001	02:43PM	Hail	1.00in.	0	0	0	0
Lander	09/14/2001	02:52PM	Flash Flood	N/A	0	0	0	0
Lander	09/14/2001	02:59PM	Funnel Cloud	N/A	0	0	0	0
Fremont	01/20/2002		Snow, winds	2 days	0	0		
Lander	06/01/2002	05:45PM	Tstm Wind	53 kts.	0	0	0	0
Riverton	06/01/2002	06:02PM	Tstm Wind	53 kts.	0	0	0	0
Lander	06/01/2002	06:30PM	Tstm Wind	52 kts.	0	0	0	0
Fremont	02/01/2003		Snow, blizzard	2 days	0	0		
Fremont	03/05/2003		Snow, heavy, blizzard	2 days	0	0		
Fremont	03/17/2003		Snow, heavy, wind	2 days	0	0	0	0
Fremont	03/26/2003		Snow, heavy, wind	2 days	0	0		
Fremont	10/29/2003		Snow, heavy	2 days	2	0		
Fremont	12/25/2003		Snow, heavy	6 days	0	0	0	0
Crowheart	06/10/2004	06:12 M	Hail	1.00 in.	0	0	0	0
Riverton	06/19/2004	06:00 PM	Tstm Wind	51 kts.	0	0	0	0
Moneta	07/15/2004	04:30 AM	Flash Flood	N/A	0	0	0	0
Lander	08/04/2004	05:10 PM	Tstm Wind	51 kts.	0	0	0	0
Milford	09/30/2004	04:25 PM	Tornado	F0	0	0	0	0
Kinnear	05/10/2005	02:58 PM	Hail	0.75 in.	0	0	0	0
Riverton	06/06/2005	12:42 PM	Tstm Wind	62 kts.	0	0	0	0
Riverton Airport	06/06/2005	12:43 PM	Tstm Wind	50 kts.	0	0	0	0
Lander	09/24/2005	03:30 PM	Hail	1.00 in.	0	0	0	0
Riverton	09/24/2005	09:59 PM	Hail	1.00 in.	0	0	0	0
Riverton	04/05/2006	03:56 PM	Tstm Wind	50 kts.	0	0	15K	0
Lander Hunt Fld	05/22/2006	01:07 PM	Tstm Wind	51 kts.	0	0	0	0
Riverton Airport	05/22/2006	01:30 PM	Tstm Wind	75 kts.	0	0	0	0
Riverton Airport	05/22/2006	01:31 PM	Tstm Wind	58 kts.	0	0	8K	0
Shoshoni	05/22/2006	01:50 PM	Tstm Wind	55 kts.	0	0	0	0
Riverton	06/09/2006	01:46 PM	Hail	1.00 in.	0	0	0	0

Location or County	Date	Time	Type	Mag	Dth	Inj	PrD	CrD
Dubois Muni Arpt	06/19/2006	03:55 PM	Tstm Wind	60 kts.	0	0	0	0
Riverton Airport	08/25/2006	03:27 PM	Tstm Wind	51 kts.	0	0	0	0
Riverton Airport	09/15/2006	02:42 PM	Tstm Wind	54 kts.	0	0	0	0
Lander	07/07/2007	19:50 PM	Thunderstorm Wind	55 kts.	0	0	10K	0K
Lander Hunt Fld	07/07/2007	19:50 PM	Thunderstorm Wind	64 kts.	0	0	0K	0K
Dubois	07/25/2007	16:30 PM	Flash Flood	N/A	0	0	50K	0K
Lander	07/25/2007	17:45 PM	Flash Flood	N/A	0	0	200K	0K
Hudson	07/26/2007	11:15 AM	Funnel Cloud	N/A	0	0	0K	0K
Riverton	08/15/2007	15:15 PM	Thunderstorm Wind	56 kts.	0	0	10K	0K
Lander	08/22/2007	16:35 PM	Thunderstorm Wind	52 kts.	0	0	0K	0K
Riverton	08/22/2007	16:41 PM	Thunderstorm Wind	52 kts.	0	0	1K	0K
Lander Hunt Fld	05/20/2008	21:02 PM	Thunderstorm Wind	55 kts.	0	0	0K	0K
Riverton Airport	05/20/2008	21:35 PM	Thunderstorm Wind	64 kts.	0	0	0K	0K
Riverton Airport	05/20/2008	21:45 PM	Thunderstorm Wind	56 kts.	0	0	0K	0K
Milford	05/21/2008	12:45 PM	Hail	1.50 in.	0	0	0K	0K
Ft. Washakie	05/21/2008	13:03 PM	Hail	1.00 in.	0	0	0K	0K
Pavillion	05/21/2008	13:50 PM	Hail	1.00 in.	0	0	0K	0K
Kinnear	05/21/2008	14:56 PM	Hail	0.75 in.	0	0	0K	0K
Dubois	05/28/2008	14:08 PM	Tornado	F0	0	1	10K	0K
Arapahoe	05/29/2008	13:19 PM	Funnel Cloud	N/A	0	0	0K	0K
Lander	05/29/2008	13:55 PM	Hail	1.00 in.	0	0	0K	0K
Lost Cabin	06/05/2008	00:00 AM	Flood	N/A	0	0	25K	0K
Lander Hunt Fld	06/24/2008	14:52 PM	Thunderstorm Wind	58 kts.	0	0	0K	0K
Riverton Airport	06/30/2008	18:59 PM	Thunderstorm Wind	56 kts.	0	0	0K	0K
Riverton	07/02/2008	20:30 PM	Hail	0.88 in.	0	0	0K	0K
Riverton	07/02/2008	20:35 PM	Hail	1.00 in.	0	0	0K	0K

Location or County	Date	Time	Type	Mag	Dth	Inj	PrD	CrD
Shoshoni	07/22/2008	18:50 PM	Thunderstorm Wind	61 kts.	0	0	0K	0K
Jeffrey City	06/03/2009	18:43 PM	Tornado	F0	0	0	0K	0K
Ft. Washakie	06/11/2009	17:09 PM	Funnel Cloud	N/A	0	0	0K	0K
Riverton	06/13/2009	18:25 PM	Hail	1.50 in.	0	0	0K	0K
Riverton	06/13/2009	18:25 PM	Thunderstorm Wind	56 kts.	0	0	0K	0K
Morton	06/30/2009	18:45 PM	Thunderstorm Wind	53 kts.	0	0	20K	0K
Riverton Airport	06/30/2009	19:37 PM	Thunderstorm Wind	50 kts.	0	0	0K	0K
Sand Draw	07/02/2009	18:00 PM	Lightning	N/A	0	0	40K	0K
Union Pass Subdvsn	07/04/2009	14:34 PM	Hail	1.00 in.	0	0	0K	0K
Kinnear	07/04/2009	17:55 PM	Hail	0.75 in.	0	0	25K	0K
Riverton Airport	07/04/2009	18:06 PM	Hail	0.88 in.	0	0	0K	0K
Riverton	07/04/2009	18:20 PM	Flash Flood	N/A	0	0	25K	0K
Riverton	07/04/2009	18:50 PM	Flash Flood	N/A	0	0	500K	0K
Milford	07/05/2009	15:55 PM	Hail	0.88 in.	0	0	0K	0K
Milford	07/20/2009	16:32 PM	Hail	0.88 in.	0	0	0K	0K
Riverton Airport	07/21/2009	17:51 PM	Thunderstorm Wind	50 kts.	0	0	0K	0K
Miners Delight	07/27/2009	13:20 PM	Hail	0.88 in.	0	0	0K	0K
Miners Delight	07/27/2009	13:20 PM	Thunderstorm Wind	52 kts.	0	0	0K	0K
Riverton Airport	07/27/2009	16:44 PM	Thunderstorm Wind	64 kts.	0	0	10K	0K
Ft. Washakie	07/28/2009	16:02 PM	Hail	1.75 in.	0	0	0K	0K
Sinks Canyon SP	07/28/2009	16:45 PM	Hail	1.00 in.	0	0	0K	0K
Miners Delight	07/28/2009	17:02 PM	Hail	1.75 in.	0	0	0K	0K
Riverton Airport	08/15/2009	17:58 PM	Hail	0.75 in.	0	0	0K	0K
Riverton	08/15/2009	17:59 PM	Hail	1.12 in.	0	0	0K	0K
Riverton	08/15/2009	18:04 PM	Hail	0.88 in.	0	0	0K	0K

Location or County	Date	Time	Type	Mag	Dth	Inj	PrD	CrD
Sinks Canyon SP	06/04/2010	22:00 PM	Flood	N/A	0	0	12.0M	0K
Riverton Airport	06/08/2010	21:15 PM	Flood	N/A	0	0	0K	0K
Lander Hunt Fld	07/01/2010	13:15 PM	Thunderstorm Wind	56 kts.	0	0	0K	0K
Midvale	08/06/2010	15:25 PM	Lightning	N/A	0	0	0K	40K
Lander Hunt Fld	08/22/2010	15:27 PM	Thunderstorm Wind	56 kts.	0	0	0K	0K

**Mag: Magnitude; Dth: Death; Inj: Injuries; PrD: Property Damage; CrD: Crop Damage**

*Source: [www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwwevent~storms](http://www4.ncdc.noaa.gov/cgi-win/wwcgi.dll?wwwevent~storms)*

## SEVERE WINTER STORMS RESOURCE DIRECTORY

At the time of preparation of this document, various emergency service resources are available through the Fremont County Emergency Management Agency and the current resource listing for the county. The resource "typing" classification which has been revised on the national level which will be continuing to the local level. If the item needed is not available in the county, assistance will be requested through the adjoining counties and the Wyoming Office of Homeland Security.

Fremont County Emergency Management Agency will assist with support and response to all emergencies. Public education to the population of the county is on-going.

### SUMMARY

PROPERTY AFFECTED: medium  
 POPULATION AFFECTED: high  
 PROBABILITY: high  
 JURISDICTION AFFECTED: county wide