

Storm Data and Unusual Weather Phenomena - July 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
NEW MEXICO, Southeast				
EDDY COUNTY --- 3.0 S HOPE [32.76, -104.73], 3.2 S HOPE [32.75, -104.73], 3.2 S HOPE [32.75, -104.73], 3.0 S HOPE [32.76, -104.73]				
	07/11/12 08:00 MST		1K	Flash Flood (due to Heavy Rain)
	07/11/12 09:00 MST		0	Source: Fire Department/Rescue

Heavy rain across Eddy County resulted in elevated water levels in Walnut Arroyo three miles south of Hope. A high water rescue occurred in the arroyo where the water was three to four feet deep. The cost of damage, which is a rough estimate, took into account the damage to the vehicle that went into the arroyo.

An upper level shortwave was over Southeast New Mexico, and a plentiful supply of low-level moisture and daytime heating was present across the area. This contributed to the development of showers and thunderstorms in Eddy County.

TEXAS, West

HOWARD COUNTY --- BIG SPRING [32.25, -101.47]				
	07/05/12 17:25 CST		13K	Thunderstorm Wind (EG 61 kt)
	07/05/12 17:35 CST		0	Source: Trained Spotter

A thunderstorm moved over Howard County and produced 70 mph wind gusts for ten minutes. These winds flattened a barn in Big Spring. The cost of damage to the barn is an estimate.

HOWARD COUNTY --- BIG SPRING [32.25, -101.47]				
	07/05/12 17:38 CST		0.50K	Thunderstorm Wind (EG 52 kt)
	07/05/12 17:53 CST		0	Source: Trained Spotter

A thunderstorm moved over Howard County and produced 60 mph wind gusts that lasted for fifteen minutes. Tree limbs were reported to be blown down in Big Spring. The cost to remove the tree limbs is a very rough estimate.

An upper level low was over West Texas, and it interacted with a good supply of moisture and daytime heating. This combination of ingredients allowed for severe thunderstorms to develop across the Permian Basin.

REAGAN COUNTY --- BIG LAKE [31.20, -101.47]				
	07/09/12 18:15 CST		7K	Thunderstorm Wind (EG 61 kt)
	07/09/12 18:16 CST		0	Source: Trained Spotter

A thunderstorm moved over Reagan County and produced a 70 mph wind gust in Big Lake. The wind blew the roof off of the Mustang Inn. The cost of the damage is a rough estimate.

An upper level ridge was present across the Western United States with a mid-level shortwave trough to the north over the Texas panhandle. A weak front was across the Permian Basin. These features, along with abundant insolation from the sun and decent surface moisture, helped to create lift and instability needed for severe thunderstorms.

MIDLAND COUNTY --- 1.9 NW MIDLAND [32.02, -102.10], 3.8 W MIDLAND [32.01, -102.14], 3.8 SW MIDLAND [31.96, -102.13], 3.0 SW MIDLAND [31.97, -102.12]				
	07/16/12 16:50 CST		0.50K	Flash Flood (due to Heavy Rain)
	07/16/12 17:50 CST		0	Source: Law Enforcement

A thunderstorm moved across Midland County and produced heavy rain over the City of Midland. This heavy rain resulted in cars being stalled and roads being barricaded. There were no injuries and no damage was reported, so the cost of damage is a very rough estimate.

An upper level trough was present across central Texas with good low level moisture over the Permian Basin. This trough helped to create lift over the area which resulted in thunderstorms with heavy rain forming across the Permian Basin.

BREWSTER COUNTY --- 1.0 SSW ALPINE [30.36, -103.68], 0.5 SW ALPINE [30.36, -103.68], 0.6 ESE ALPINE [30.37, -103.66], 0.9 SSE ALPINE [30.36, -103.66]				
	07/27/12 08:30 CST		0.50K	Flash Flood (due to Heavy Rain)
	07/27/12 12:00 CST		0	Source: Law Enforcement

Heavy rain moved through Brewster County and produced widespread flooding across Alpine. No damage was indicated, so the cost of damage is a very rough estimate.

Storm Data and Unusual Weather Phenomena - July 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<hr/>				
BREWSTER COUNTY --- 0.6 SW ALPINE [30.36, -103.68], 0.9 SSW ALPINE [30.36, -103.68], 0.9 S ALPINE [30.36, -103.67], 0.5 SSE ALPINE [30.36, -103.67]	07/27/12 12:00 CST		0.50K	Flash Flood (due to Heavy Rain)
	07/27/12 13:30 CST		0	Source: Law Enforcement

A wide area of heavy rain moved through Brewster County and produced flash flooding in Alpine. Four and a half feet of running water was reported across low-lying crossings in the town. Bridges and crossways were closed due to the flooding. No damage was reported, so the cost of damage is a very rough estimate.

There was an upper level low over the Permian Basin and the Trans Pecos. A good supply of moisture was over the area, and the mid-level winds were weak which allowed for slow moving convection.