

## Storm Data and Unusual Weather Phenomena - September 2008

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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### NEW MEXICO, Southeast

LEA COUNTY --- 4.6 NNE HOBBS [32.76, -103.10], 2.2 ESE HOBBS [32.69, -103.09], 2.3 ENE (HOB)HOBBS LEA CO AR [32.69, -103.18], 1.0 SSE HOBBS IND ARPT [32.76, -103.19]

09/02/08 11:45 MST	0	Flash Flood (due to Heavy Rain)
09/02/08 12:45 MST	0	Source: Law Enforcement

The Hobbs city police department reported flash flooding from a thunderstorm in and near Hobbs.

Heavy rainfall occurred across Southeast New Mexico and the Permian Basin as an early season cold front moved south across the area. Precipitable water values of up to 1.7 inches aided in the development of isolated areas of heavy rainfall.

LEA COUNTY --- 2.7 NW HOBBS [32.73, -103.16], 3.3 ESE HOBBS IND ARPT [32.74, -103.15], 2.4 NNE HOBBS [32.73, -103.11], 1.8 SE HOBBS [32.68, -103.11], 2.0 SW HOBBS [32.68, -103.16]

09/11/08 14:47 MST	0	Flash Flood (due to Heavy Rain)
09/11/08 16:00 MST	0	Source: Law Enforcement

At 1447 MST, local law enforcement reported multiple streets were barricaded due to high water. Numerous vehicles were also stalled.

A series of mid-level shortwave troughs embedded in southwest flow aloft moved across southwest Texas and southeast New Mexico. Precipitable water from the morning sounding at KMAF showed values near 1.75", with a nearly moist adiabatic profile through 6 km. Heavy rain developed from Brewster County northeast through the Western Low Rolling Plains.

### TEXAS, West

MIDLAND COUNTY --- 2.1 NNE MIDLAND [32.03, -102.07], 2.0 N MIDLAND [32.03, -102.07], 1.8 N MIDLAND [32.03, -102.07], 1.9 NNE MIDLAND [32.03, -102.07]

09/02/08 18:00 CST	0	Flash Flood (due to Heavy Rain)
09/02/08 19:00 CST	0	Source: Broadcast Media

A midland man was rescued from his vehicle after it was submerged in more than 4 feet of water at the intersection of Dormard Avenue and Tyler Street.

Heavy rainfall occurred across Southeast New Mexico and the Permian Basin as an early season cold front moved south across the area. Precipitable water values of up to 1.7 inches aided in the development of isolated areas of heavy rainfall.

PRESIDIO COUNTY --- 11.7 W PRESIDIO BIG BEND AR [29.31, -104.02], 3.5 S REDFORD [29.40, -104.18], 5.5 NW REDFORD [29.50, -104.25], 6.6 NNE PRESIDIO [29.63, -104.31], 4.2 NE PRESIDIO BIG BEND AR [29.38, -103.79], 19.7 E PRESIDIO BIG BEND AR [29.31, -103.50], 19.5 SE PRESIDIO BIG BEND AR [29.15, -103.58]

09/08/08 08:45 CST	0	Flood (due to Planned Dam Release)
09/29/08 12:00 CST	0	Source: Department of Highways

Reports from the Texas Department of Transportation indicated that a substantial portion of State Route 170 was closed due to high water, southeast of Presidio, TX to near Lajitas, TX. The flooding was the result of water releases from the Luis Leon Reservoir in northern Mexico.

This portion of Route 170 remained closed for the entire duration of the event. In addition, the high water levels resulted in back flow up various tributaries to the Rio Grande River. City officials reported flooding in the Loma Peloma and Redford areas. Homes, 5 miles east of Presidio, were also threatened by the flood waters.

Low lying portions of Presidio, TX were under a mandatory evacuation for several days, which affected nearly 500 people.

PRESIDIO COUNTY --- 2.7 NW PRESIDIO [29.58, -104.40], 0.8 WSW PRESIDIO [29.55, -104.38], 1.4 SSW REDFORD [29.43, -104.18], 1.8 NE REDFORD [29.46, -104.16], 7.4 NNW REDFORD [29.55, -104.24]

09/09/08 10:00 CST	1M	Flash Flood (due to Planned Dam Release)
09/29/08 12:00 CST	0	Source: Other Federal Agency

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On September 9, the levees near Redford, TX failed. This resulted in water covering the entire city of Redford. A high water rescue was reported near Alamito Creek.				
Heavy rain made matters worse by September 14. Flash flooding was occurring in the city of Presidio and border patrol closed the International Bridge on September 16. The Mexican side of the bridge was covered in water and levels continue to rise. Water also topped the levees near Presidio Golf Course on the 16th and 17th. Border patrol reported that nearly 15 feet of water was located in the fields near the golf course, with 3 to 4 feet of water covering the golf course itself.				
The International Boundary and Water Commission reported cracks in the levees near the golf course on September 17 and water was beginning to approach Presidio High School.				

<b>BREWSTER COUNTY --- LAJITAS [29.28, -103.78], 3.1 W LAJITAS [29.28, -103.83], 1.6 SW LAJITAS [29.26, -103.79], 1.0 S LAJITAS [29.27, -103.78], 2.1 S LAJITAS [29.25, -103.78], 2.2 ESE LAJITAS [29.27, -103.75]</b>				
	09/09/08 10:30 CST		14M	Flood (due to Planned Dam Release)
	09/29/08 12:00 CST		0	Source: Public

Lajitas Resort and Spa owner reported flooding across most of his property. This included the Ambush Golf Course, which was covered in water.

**During the summer of 2008, monsoon rainfall filled reservoirs across northern Mexico. In late August 2008, releases out of La Boquilla, Frank Madera, and Luis Leon Reservoirs were increased to lower water levels in those reservoirs. By mid-September the Rio Grande and its people were experiencing record flooding. On September 7, Governor Perry executed the State Emergency Plan. He then issued a Disaster Declaration for Presidio County, TX on September 18 and finally a Proclamation of State Disaster on the 19th.**

<b>BREWSTER COUNTY --- ALPINE [30.37, -103.67], 1.7 WSW ALPINE MUNI ARPT [30.37, -103.70], 2.4 SW ALPINE [30.34, -103.69], 2.6 ESE ALPINE [30.36, -103.63], 2.8 ENE ALPINE [30.38, -103.63], 1.4 NE ALPINE [30.38, -103.65], 0.7 NNE ALPINE [30.38, -103.67]</b>				
	09/09/08 02:25 CST		0	Flash Flood (due to Heavy Rain)
	09/09/08 04:25 CST		0	Source: Law Enforcement

At 0225 CST, Local law enforcement in Alpine reported 2 feet of water flowing across U.S. Highway 90 on the west side of Alpine. They also reported several creek crossings closed in and around Alpine.

**A shortwave trough embedded within a broader upper level trough translated from Mexico into southwest Texas. This, combined with tropical like moisture profiles, resulted in areas of heavy rainfall and isolated convection developing during the overnight hours.**

<b>PECOS COUNTY --- 2.5 SW GIRVIN [31.06, -102.41], 8.3 ENE GIRVIN [31.11, -102.24], 12.5 E GIRVIN [31.06, -102.17], 4.6 E BAKERSFIELD [30.88, -102.20], 0.7 NNE BAKERSFIELD [30.89, -102.27]</b>				
	09/10/08 13:06 CST		0	Flash Flood (due to Heavy Rain)
	09/10/08 15:06 CST		0	Source: Law Enforcement

At 1306 CST, local law enforcement reported FM2886 was closed at I-10. Up to 2 1/2 feet of water was covering the roadway. At 1320 CST, law enforcement also reported Hwy 305 closed with water covering the road and Hwy 1901 impassable/closed.

<b>UPTON COUNTY --- 0.3 NNE MC CAMEY UPTON CO AR [31.12, -102.22], 1.1 SSE MC CAMEY UPTON CO AR [31.11, -102.21], 1.3 SE MC CAMEY UPTON CO AR [31.11, -102.20], 0.6 ENE MC CAMEY UPTON CO AR [31.12, -102.21]</b>				
	09/10/08 13:20 CST		0	Flash Flood (due to Heavy Rain)
	09/10/08 15:20 CST		0	Source: Law Enforcement

At 1320 CST, local law enforcement reported that Hwy 305 south of McCamey was closed due to water flowing over the roadway.

<b>PECOS COUNTY --- 0.7 W IRAAN [30.92, -101.89], 2.0 W IRAAN [30.92, -101.91], 2.0 W IRAAN [30.92, -101.91], 1.5 WSW IRAAN [30.91, -101.90], 1.5 WSW IRAAN [30.91, -101.90], 1.3 WNW IRAAN MUNI ARPT [30.91, -101.90], 1.0 WNW IRAAN MUNI ARPT [30.91, -101.89], 0.9 SW IRAAN [30.91, -101.89]</b>				
	09/10/08 15:23 CST		0	Flash Flood (due to Heavy Rain)
	09/10/08 17:40 CST		0	Source: Law Enforcement

At 1323 CST, local law enforcement reported that multiple roads in Iraan were closed due to high water flowing across them.

<b>PECOS COUNTY --- SHEFFIELD [30.67, -101.83], 1.8 NNW SHEFFIELD [30.69, -101.84], 1.9 NNE SHEFFIELD [30.70, -101.82], 1.1 ENE SHEFFIELD [30.68, -101.81]</b>				
	09/10/08 22:55 CST		0	Flash Flood (due to Heavy Rain)
	09/11/08 00:30 CST		0	Source: Law Enforcement

At 2255 CST, local law enforcement in Sheffield reported several high water rescues in progress in and around Sheffield.

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	09/11/08 01:40 CST		0	Flash Flood (due to Heavy Rain)
	09/11/08 04:00 CST		0	Source: Law Enforcement
At 0140 CST, local law enforcement continued to report ongoing high water rescues in the community of Sheffield.				

<b>GAINES COUNTY --- SEAGRAVES [32.93, -102.55], 0.6 SSE SEMINOLE [32.71, -102.65], 1.4 W SEMINOLE [32.72, -102.67], 6.8 WSW SEAGRAVES [32.88, -102.65], 2.2 NW SEAGRAVES ARPT [32.97, -102.56]</b>				
	09/11/08 18:58 CST		0	Flash Flood (due to Heavy Rain)
	09/12/08 00:00 CST		0	Source: Law Enforcement
Local law enforcement reported multiple stranded vehicles along Hwy 385N near Seagraves and Seminole due to high water flowing across roadways.				

<b>ANDREWS COUNTY --- 1.6 NW ANDREWS [32.33, -102.57], 0.8 NNW ANDREWS CO ARPT [32.34, -102.54], 0.2 SW ANDREWS CO ARPT [32.33, -102.53], 0.6 SSW ANDREWS CO ARPT [32.32, -102.53], 0.6 SSE ANDREWS CO ARPT [32.32, -102.52], 1.1 SE ANDREWS [32.31, -102.54], 1.3 SSW ANDREWS [32.30, -102.56]</b>				
	09/11/08 23:40 CST		0	Flash Flood (due to Heavy Rain)
	09/12/08 00:40 CST		0	Source: Law Enforcement
At 2340 CST, local law enforcement reported some flooding of city streets in the community of Andrews. Barricades were setup along low water crossing were roadways were covered with flowing water.				

<b>DAWSON COUNTY --- LAMESA [32.73, -101.95], 2.5 W LAMESA [32.72, -101.99], 3.5 SSW LAMESA [32.69, -101.98], 2.3 ENE FRIENDSHIP [32.65, -102.00], 4.2 ENE FRIENDSHIP [32.65, -101.96], 2.2 SSE LAMESA [32.70, -101.94]</b>				
	09/12/08 00:26 CST		0	Flash Flood (due to Heavy Rain)
	09/12/08 04:22 CST		0	Source: Law Enforcement
At 0422 CST, a deputy reported that SH349 was flooded south of Lamesa. He was in the progress of putting up barricades.				

**A series of mid-level shortwave troughs embedded in southwest flow aloft moved across southwest Texas and southeast New Mexico. Precipitable water from the morning sounding at KMAF showed values near 1.75", with a nearly moist adiabatic profile through 6 km. Heavy rain developed from Brewster County northeast through the Western Low Rolling Plains.**

<b>GAINES COUNTY --- 1.5 NNE SEMINOLE [32.74, -102.64]</b>				
	09/13/08 19:30 CST		0	Thunderstorm Wind (MG 52 kt)
	09/13/08 19:30 CST		0	Source: Mesonet
The Seminole mesonet station recorded a 60 mph wind gust at 1930 CST as a result of strong outflow from the severe thunderstorm.				

<b>GAINES COUNTY --- 3.5 S SEMINOLE [32.67, -102.65]</b>				
	09/13/08 19:30 CST		0	Thunderstorm Wind (MG 52 kt)
	09/13/08 19:30 CST		0	Source: AWOS
KGNC recorded a 60 mph wind gust at 1930 CST.				

**Thunderstorms developed along a weak surface trough from northern Lea County to just west of Odessa, TX. An upper level jet streak provided lift over the region where steepening lapse rates, dry midlevel air and abundant low level moisture resided. This resulted in one storm producing severe level winds.**