

Storm Data and Unusual Weather Phenomena - September 2013

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
NEW MEXICO, Southeast				
EDDY COUNTY --- 0.4 WSW CARLSBAD [32.42, -104.24], 0.5 SW CARLSBAD [32.42, -104.24], 0.3 SSW CARLSBAD [32.42, -104.23], 0.2 SW CARLSBAD [32.42, -104.23]				
	09/11/13 18:15 MST		5K	Flash Flood (due to Heavy Rain)
	09/11/13 19:00 MST		0	Source: Fire Department/Rescue

Heavy rain moved across Eddy County and produced flash flooding in Carlsbad. At least one foot of water was running over Tansill Road in south Carlsbad. The street was barricaded as a result of the flooding. The cost of damage is a very rough estimate since no damage was reported.

An upper level low was over northern Arizona, and the circulation around the low brought in low level moisture across southeast New Mexico and West Texas. Upper level disturbances moved over the region providing additional lift. This lift and good moisture supply allowed for flash flooding to develop across southeast New Mexico.

EDDY COUNTY --- 9.4 SSW LAKEWOOD [32.50, -104.41], 9.5 SSW LAKEWOOD [32.50, -104.41], 8.7 S LAKEWOOD [32.51, -104.39], 8.6 S LAKEWOOD [32.51, -104.40]				
	09/12/13 06:22 MST		0.50K	Flash Flood (due to Heavy Rain)
	09/12/13 07:00 MST		0	Source: Trained Spotter

Heavy rain moved across Eddy County and produced flash flooding around eleven miles northwest of Carlsbad. Water was reported to be eight feet deep on Highway 137. The cost of damage is a rough estimate since no damage was reported.

EDDY COUNTY --- 3.0 E QUEEN [32.20, -104.68], 3.0 E QUEEN [32.20, -104.68], 3.0 E QUEEN [32.20, -104.68], 3.1 E QUEEN [32.20, -104.68]				
	09/12/13 06:33 MST		0.50K	Flash Flood (due to Heavy Rain)
	09/12/13 07:10 MST		0	Source: Fire Department/Rescue

Heavy rain moved across Eddy County and produced flash flooding about three miles east of Queen. Canyons were flooded. One to five feet of water was reported to be over the low water crossing at Last Chance/Wagon Trail. The cost of damage is a very rough estimate since no damage was reported.

EDDY COUNTY --- 3.2 WSW AVALON [32.48, -104.27], 3.2 WSW AVALON [32.48, -104.27], 3.1 SW AVALON [32.48, -104.26], 3.0 WSW AVALON [32.48, -104.26]				
	09/12/13 08:00 MST		5K	Flash Flood (due to Heavy Rain)
	09/12/13 08:45 MST		0	Source: Emergency Manager

Heavy rain moved across Eddy County and produced flash flooding about five miles northwest of Carlsbad. There was a flooded vehicle near the Pecos River. The cost of damage is a very rough estimate.

EDDY COUNTY --- 3.0 S LAKEWOOD [32.59, -104.37], 3.0 S LAKEWOOD [32.59, -104.38], 2.6 S LAKEWOOD [32.59, -104.38], 2.6 S LAKEWOOD [32.59, -104.37]				
	09/12/13 10:29 MST		3K	Flash Flood (due to Heavy Rain)
	09/12/13 11:10 MST		0	Source: Emergency Manager

Heavy rain moved across Eddy County and produced flash flooding three miles south of Lakewood. Sixty people were evacuated from SKP Campground due to the flash flooding. No damage was reported so the cost of damage is a very rough estimate.

EDDY COUNTY --- 3.5 NNW HAPPY VLY [32.47, -104.28], 3.6 NNW HAPPY VLY [32.47, -104.28], 3.5 NNW HAPPY VLY [32.47, -104.29], 3.4 NNW HAPPY VLY [32.47, -104.29]				
	09/12/13 13:50 MST		1K	Flash Flood (due to Heavy Rain)
	09/12/13 14:30 MST		0	Source: Trained Spotter

Heavy rain moved across Eddy County and produced flash flooding five miles northwest of Carlsbad. Water was up to two feet deep over Callaway Drive, and this section of the road was closed. There was no damage reported so the cost of damage is a rough estimate.

Plentiful moisture came in from the Pacific Ocean across southeast New Mexico and far West Texas, and this moisture was limited further east due to a mid-level ridge that was approaching the Southern Plains. Several upper level disturbances moved over the region providing a continuous supply of lift. This lift and good moisture supply along with the upper level flow allowed for heavy rain to move over the same areas contributing to flash flooding across southeast New Mexico and the Guadalupe Mountains in West Texas.

TEXAS, West

WINKLER COUNTY --- 3.0 NW WINK [31.78, -103.19]

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	09/02/13 15:58 CST		0	Thunderstorm Wind (MG 54 kt)
	09/02/13 15:59 CST		0	Source: ASOS

A thunderstorm moved across Winkler County and produced a 62 mph wind gust three miles northwest of Wink. No damage was reported.

A ridge was centered over New Mexico with an upper disturbance that moved over the area on the eastern periphery of the ridge. A weak frontal boundary was across the higher terrain of West Texas, and residual boundaries were present across the Permian Basin. The lift from these boundaries along with good instability contributed to thunderstorms developing.

CULBERSON COUNTY --- 6.7 NNW PINE SPGS [31.97, -104.84], 6.8 NNE PINE SPGS [31.97, -104.76], 4.2 NE PINE SPGS [31.93, -104.76], 4.3 NW PINE SPGS [31.93, -104.84]

09/12/13 10:00 CST	4K	Flash Flood (due to Heavy Rain)
09/12/13 11:00 CST	0	Source: Park/Forest Service

Heavy rain moved across Culberson County and produced flash flooding in the Guadalupe Mountains. Guadalupe Mountains National Park was closed due to flash flooding from over nine inches of rain within a 24 hour period reported at some locations. Law enforcement officials reported mud and rock slides on portions of U.S. Highway 180/62. The cost of damage is a very rough estimate.

Plentiful moisture came in from the Pacific Ocean across southeast New Mexico and far West Texas, and this moisture was limited further east due to a mid-level ridge that was approaching the Southern Plains. Several upper level disturbances moved over the region providing a continuous supply of lift. This lift and good moisture supply along with the upper level flow allowed for heavy rain to move over the same areas contributing to flash flooding across southeast New Mexico and the Guadalupe Mountains in West Texas.

DAWSON COUNTY --- 4.5 W LAMESA [32.73, -102.03], 4.3 W LAMESA [32.72, -102.02], 3.1 W LAMESA [32.72, -102.00], 3.4 W LAMESA [32.73, -102.01]

09/28/13 05:00 CST	10K	Flash Flood (due to Heavy Rain)
09/28/13 05:30 CST	0	Source: Law Enforcement

Heavy rain moved across Dawson County and produced flash flooding four miles west of Lamesa. Highway 180 west of Lamesa was partially washed out. The cost of damage is a very rough estimate.

An upper level trough was moving over the Rocky Mountains, and a cold front was across the northwest Permian Basin. The upper level jet stream over the region provided additional lift. This lift along with abundant moisture helped to create flash flooding across the northern Permian Basin.