

**WFO Midland, Texas**

**MONTHLY REPORT OF HYDROLOGIC CONDITIONS**

REPORT FOR:

MONTH

**August**

YEAR

**2013**

SIGNATURE

**J. DeBerry**

In Charge of HSA

DATE

**September 15, 2013**

TO: Hydrometeorological Information Center, W/OH2  
 NOAA / National Weather Service  
 1325 East West Highway, Room 7230  
 Silver Spring, MD 20910-3283

*When no flooding occurs, include miscellaneous river conditions, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924)*

An X inside this box indicates that no river flooding occurred within this hydrologic service area.

August began with the Rio Grande still in flood from July due to releases from Luis Leon Reservoir in Chihuahua, Mexico, that flowed down the Rio Conchos. The Rio Grande was in minor flood from Presidio International Bridge (PRST2) downstream through at least Presidio 5SE (PRDT2).

On August 6<sup>th</sup>, thunderstorms developed in the Permian Basin, bringing 1.15" of rain to the Midland International Airport in Midland County, and flooding local roadways.

Otherwise, activity dwindled off for the rest of the month.

Precipitation amounts from area ASOS's:

City	ASOS ID	August	July
Carlsbad, NM	CNM	T	4.61"
Fort Stockton	FST	0.02"	1.58"
Guadalupe Pass	GDP	0.38"	1.76"
Midland Int'l	MAF	1.17"	0.98"
Odessa	ODO	T	1.60"
Terrell County	6R6	0.08"	1.47"
Wink	INK	0.07"	1.36"

Precipitation amounts from area AWOS's:

City	ASOS ID	August	July
Alpine	E38	0.83"	0.95"
Artesia, NM	ATS	0.00"	1.18"
Big Spring	BGP	0.88"	2.65"
Gaines County	GNC	0.63"	2.28"
Hobbs	HOB	0.04"	0.03"
Marfa	MRF	0.18"	2.07"
Midland Airpark	MDD	0.30"	0.66"
Pecos	PEQ	0.77"	0.81"

Snyder	SNK	1.17"	2.12"
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Some other locations in the HSA that received notable amounts of precipitation for August were:

Tatum, Lea County	1.62"
Gail, Borden County	1.65"
Jal, Lea County	1.75"
Panther Junction, Brewster County	2.07"
Rio Grande Village, Brewster County	2.07"

99 locations reported rainfall for the month of August, for an average of 0.74".

Normal August precipitation for Midland International Airport is 1.84". Total precipitation for Midland International Airport for 2013 ending September 1<sup>st</sup> was 4.56", or 5.16" below normal.

Drought conditions have improved over the past month, but mainly due to July rainfall. As of August 27<sup>th</sup>, in Southeast New Mexico, only northwest Eddy County is in extreme drought. The rest of the county, as well as Lea County, ranged from severe drought to abnormally dry. West Texas has improved as well. Portions of Dawson, Ector, Gaines, and Midland Counties are in extreme drought. The rest of West Texas is in severe drought to abnormally dry.

Reservoir levels across the HSA averaged 20.6% of conservation capacity as of September 1<sup>st</sup>:

Reservoir (County, State)	August Conserv Cap (%)	July Conserv Cap (%)
JB Thomas (Scurry, TX)	1.7	1.6
Colorado City (Mitchell, TX)	29.0	30.3
Champion Creek (Mitchell, TX)	6.1	8.4
Natural Dam Salt Lake (Howard, TX)	48.6	48.6
Moss Creek (Howard, TX)	25.0	61.0
Brantley (Eddy, NM)	11.0	15.0
Avalon (Eddy, NM)	26.0	54.0
Red Bluff (Reeves, TX)	17.5	15.6

**Non-Routine Products Issued for August:**

Flash Flood Watches (FFA): 0  
Flash Flood Warnings (FFW): 1  
Flash Flood Statements (FFS): 2  
Flood Warnings (FLW): 2  
Flood Statements (FLS): 46

**Total Non-Routine Products Issued: 51**

**cc: email: COE ABQ, HIC, IBWC ELP, IBWC PRD, LCRA, NWS ABQ, NWS EPZ, NWS LBB, NWS MAF, NWS SJT, SRH, TAMU, TCEQ, USGS CNM, USGS SJT, WGRFC**