

**WFO Midland, Texas**

**MONTHLY REPORT OF HYDROLOGIC CONDITIONS**

REPORT FOR:

MONTH

**October**

YEAR

**2018**

SIGNATURE

**J. DeBerry**

In Charge of HSA

DATE

**November 15, 2018**

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.

October was another wet month for West Texas and New Mexico, with many locations exceeding their annual averages. In general, most events were of a wetting rain nature, but a few convective episodes resulted in flash flooding.

On October 5<sup>th</sup>, thunderstorms developed near Seagraves in Gaines County, and a few high water rescues occurred just north of town. A more widespread event happened on the 8<sup>th</sup>-9<sup>th</sup>, when thunderstorms rolled through the Permian Basin and areas east. Flash flooding put many roadways underwater, some of which were later barricaded, from Midland in Midland County to Westbrook in Mitchell County. Many high water rescues were reported. Glasscock County was hit hardest, where radar estimates up to 10" of rain fell from training thunderstorms. Texas State Highway 158, connecting Midland to Sterling City, was washed out. On October 13<sup>th</sup>, thunderstorms developed in the vicinity of Midland, and several roadways were barricaded due to high water.

Precipitation amounts from area ASOS's:

| City           | ASOS ID | October | September |
|----------------|---------|---------|-----------|
| Carlsbad, NM   | KCNM    | 3.89"   | 1.64"     |
| Fort Stockton  | KFST    | 4.04"   | 2.97"     |
| Guadalupe Pass | KGDP    | 2.31"   | 0.68"     |
| Midland Int'l  | KMAF    | 5.44"   | 2.69"     |
| Odessa         | KODO    | 3.94"   | 2.45"     |
| Terrell County | K6R6    | 2.71"   | 5.35"     |
| Wink           | KINK    | 4.29"   | 2.94"     |

Precipitation amounts from area AWOS's:

| City           | AWOS ID | October | September |
|----------------|---------|---------|-----------|
| Alpine         | KE38    | 2.68"   | 2.53"     |
| Andrews County | KE11    | 4.22"   | 1.79"     |
| Artesia, NM    | KATS    | 1.62"   | 0.69"     |
| Big Spring     | KBGP    | 5.34"   | 5.03"     |
| Gaines County  | KGNC    | 5.46"   | 3.13"     |

|                 |      |       |       |
|-----------------|------|-------|-------|
| Hobbs, NM       | KHOB | 1.39" | 0.77" |
| Marfa           | KMRF | 1.14" | 1.93" |
| Midland Airpark | KMDD | 1.09" | 1.73" |
| Pecos           | KPEQ | 2.82" | 2.47  |
| Presidio        | KPRS | 1.56" | 2.23" |
| Snyder          | KSNK | M     | M     |

Some other locations in the HSA that received notable amounts of precipitation for October were:

St. Lawrence, Glasscock County 9.46"  
Lomax, Howard County 9.69"  
Lees, Glasscock County 9.83"  
Snyder, Scurry County 11.43"

102 locations reported rainfall for the month of October, for an HSA average of 4.37".

Normal October precipitation for Midland International Air and Space Port is 1.73". Total precipitation for the airport for the year ending November 1st was 16.63", or 3.32" above normal.

Due to the month's ample rainfall, as of November 1<sup>st</sup>, only western Eddy County in Southeast New Mexico and western Culberson County in West Texas were in severe drought. Areas immediately adjacent were in either moderate drought or abnormally dry. The rest of West Texas and Southeast New Mexico was no longer in drought.

Reservoir levels across the HSA averaged 55.0% of conservation capacity as of November 1<sup>st</sup>:

| Reservoir (County, State)     | November 1 Conserv Cap (%) | October 1 Conserv Cap (%) |
|-------------------------------|----------------------------|---------------------------|
| JB Thomas (Scurry, TX)        | 38.6                       | 35.7                      |
| Colorado City (Mitchell, TX)  | 51.0                       | 29.5                      |
| Champion Creek (Mitchell, TX) | 69.6                       | 47.6                      |
| Moss Creek (Howard, TX)       | 84.0                       | 80.0                      |
| Brantley (Eddy, NM)           | 51.0                       | 40.0                      |
| Avalon (Eddy, NM)             | 30.0                       | 43.0                      |
| Red Bluff (Reeves, TX)        | 60.6                       | 56.7                      |

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

Flash Flood Watches (FFA): 9  
Flash Flood Warnings (FFW): 11  
Flash Flood Statements (FFS): 10  
Flood Advisories/Statements (FLS): 52  
Flood Warnings (FLW): 5

**Total Non-Routine Products Issued: 87**

**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**