

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

October

YEAR

2016

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

SIGNATURE

J. DeBerry

In Charge of HSA

DATE

November 15, 2016

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.

No significant hydrologic events were noted in October. In fact, no significant weather events occurred. October was warm and dry, thanks to upper-level ridging over the region.

Precipitation amounts from area ASOS's:

| City | ASOS ID | October | September |
|----------------|---------|---------|-----------|
| Carlsbad, NM | CNM | 0.19" | 0.96" |
| Fort Stockton | FST | 0.41" | 2.15" |
| Guadalupe Pass | GDP | 0.05" | 0.86" |
| Midland Int'l | MAF | 0.31" | 2.11" |
| Odessa | ODO | 0.22" | 3.16" |
| Terrell County | 6R6 | 0.05" | 0.45" |
| Wink | INK | T | 0.85" |

Precipitation amounts from area AWOS's:

| City | AWOS ID | October | September |
|-----------------|---------|---------|-----------|
| Alpine | E38 | 0.79" | 3.50" |
| Artesia, NM | ATS | 0.34" | 1.96" |
| Big Spring | BGP | 0.08" | 0.04" |
| Gaines County | GNC | 0.44" | 0.77" |
| Hobbs | HOB | 0.00" | 0.38" |
| Marfa | MRF | 0.22" | 1.74" |
| Midland Airpark | MDD | 0.04" | 0.41" |
| Pecos | PEQ | 0.52" | 1.44" |
| Snyder | SNK | 0.32" | 1.41" |

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

The Bowl, Culberson County 0.88"
Coyanosa, Pecos County 0.91"

Valentine, Jeff Davis County 0.97"
Van Horn, Culberson County 1.31"

102 locations reported rainfall for the month of October, for an HSA average of 0.39".

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 0.31", or 0.56" below normal.

Despite lack of rain in October, drought conditions stayed the same or developed only slightly in West Texas and Southeast New Mexico. As of October 25th, in Southeast New Mexico, only a small portion of the Guadalupe Mountains in southwest Eddy County was abnormally dry. The rest of Southeast New Mexico was out of drought. In West Texas, Midland County, and adjacent portions of surrounding counties, were abnormally dry. Otherwise, no drought conditions were noted.

Reservoir levels across the HSA averaged 51.1% of conservation capacity as of November 1st:

| Reservoir (County, State) | October Conserv Cap (%) | September Conserv Cap (%) |
|------------------------------------|--------------------------------|----------------------------------|
| JB Thomas (Scurry, TX) | 61.7 | 63.4 |
| Colorado City (Mitchell, TX) | 25.6 | 26.1 |
| Champion Creek (Mitchell, TX) | 28.3 | 28.2 |
| Natural Dam Salt Lake (Howard, TX) | 48.6 | 48.6 |
| Moss Creek (Howard, TX) | 79.0 | 72.0 |
| Brantley (Eddy, NM) | 64.0 | 91.0 |
| Avalon (Eddy, NM) | 19.0 | 27.0 |
| Red Bluff (Reeves, TX) | 82.9 | 82.6 |

Non-Routine Products Issued for October:

Flash Flood Watches (FFA): 0
Flash Flood Warnings (FFW): 0
Flash Flood Statements (FFS): 0
Flood Advisories/Statements (FLS): 0
Flood Warnings (FLW): 0

Total Non-Routine Products Issued: 0

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