

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

December

YEAR

2016

SIGNATURE

J. DeBerry

In Charge of HSA

DATE

January 15, 2017

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.

December was relatively uneventful, hydrologically. Rainfall averaged around normal for most of West Texas and Southeast New Mexico. Above-normal rainfall was noted in the upper and lower Trans Pecos regions of West Texas. No flooding events were reported.

Precipitation amounts from area ASOS's:

| City | ASOS ID | December | November |
|----------------|---------|----------|----------|
| Carlsbad, NM | CNM | 0.71" | 0.33" |
| Fort Stockton | FST | 0.45" | 0.46" |
| Guadalupe Pass | GDP | 0.23" | 0.37" |
| Midland Int'l | MAF | 0.41" | 2.01" |
| Odessa | ODO | 0.47" | 2.53" |
| Terrell County | 6R6 | 0.57" | 0.55" |
| Wink | INK | 0.84" | T |

Precipitation amounts from area AWOS's:

| City | AWOS ID | December | November |
|-----------------|---------|----------|----------|
| Alpine | E38 | 0.59" | 0.26" |
| Artesia, NM | ATS | 0.25" | 0.17" |
| Big Spring | BGP | 0.37" | 0.27" |
| Gaines County | GNC | 0.85" | 1.08" |
| Hobbs | HOB | 0.39" | 0.70" |
| Marfa | MRF | 0.49" | 0.11" |
| Midland Airpark | MDD | 0.05" | 0.14" |
| Pecos | PEQ | 0.51" | 0.68" |
| Snyder | SNK | 0.70" | 3.87" |

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

Pine Springs, Culberson County 1.48"
 Andrews, Andrews County 1.51"
 Panther Junction, Brewster County 1.59"
 Chisos Basin, Brewster County 1.86"

98 locations reported rainfall for the month of December, for an HSA average of 0.74".

Normal December precipitation for Midland International Air and Space Port is 0.60". Total precipitation for the airport for 2016 was 15.18", or 0.58" above normal.

Despite lack of rain in December, drought conditions stayed the same or improved slightly in West Texas and Southeast New Mexico. As of December 27th, 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, no drought conditions were noted.

Reservoir levels across the HSA averaged 60.9% of conservation capacity as of January 1st:

| Reservoir (County, State) | December Conserv Cap (%) | November Conserv Cap (%) |
|------------------------------------|--------------------------|--------------------------|
| JB Thomas (Scurry, TX) | 64.4 | 65.2 |
| Colorado City (Mitchell, TX) | 48.3 | 48.2 |
| Champion Creek (Mitchell, TX) | 37.4 | 37.5 |
| Natural Dam Salt Lake (Howard, TX) | 48.6 | 48.6 |
| Moss Creek (Howard, TX) | 71.0 | 76.0 |
| Brantley (Eddy, NM) | 77.0 | 72.0 |
| Avalon (Eddy, NM) | 54.0 | 37.0 |
| Red Bluff (Reeves, TX) | 86.3 | 64.9 |

Non-Routine Products Issued for December:

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