

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

October

YEAR

2017

SIGNATURE

J. DeBerry

In Charge of HSA

DATE

November 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.

October was quite uneventful, hydrologically, and rainfall dropped off considerably. The first few cold fronts of fall began encroaching into the HSA, but with little moisture to work with, no flash flooding events were noted. The Rio Grande was in minor flood above Presidio for the first part of the month, but has returned to near base flow.

Precipitation amounts from area ASOS's:

| City | ASOS ID | October | September |
|----------------|---------|---------|-----------|
| Carlsbad, NM | CNM | 0.29" | 2.91" |
| Fort Stockton | FST | 0.91" | 2.24" |
| Guadalupe Pass | GDP | M | M |
| Midland Int'l | MAF | 0.13" | 4.07" |
| Odessa | ODO | 0.24" | 4.47" |
| Terrell County | 6R6 | 0.15" | 2.93" |
| Wink | INK | 0.05" | 3.04" |

Precipitation amounts from area AWOS's:

| City | AWOS ID | October | September |
|-----------------|---------|---------|-----------|
| Alpine | E38 | 0.01" | 1.41" |
| Artesia, NM | ATS | 0.24" | 1.39" |
| Big Spring | BGP | 0.14" | 1.87" |
| Gaines County | GNC | 0.17" | 1.77" |
| Hobbs | HOB | 0.16" | 0.85" |
| Marfa | MRF | 0.17" | 0.98" |
| Midland Airpark | MDD | 0.13" | 0.67" |
| Pecos | PEQ | 1.01" | 2.64" |
| Presidio | PRS | 0.00" | 0.73" |
| Snyder | SNK | 0.21" | 2.44" |

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

K-Bar Ranch, Ector County 1.30"
 Jal, Lea County 1.53"
 Caprock, Eddy County 1.62"
 Crane, Crane County 1.80"

97 locations reported rainfall for the month of October, for an HSA average of 0.45".

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 16.94", or 3.63" above normal.

All of Southeast New Mexico and West Texas remain out of drought. However, due to scant October rains, a swath of West Texas from Candelaria through Marathon and up into the Permian Basin is now abnormally dry.

Reservoir levels across the HSA averaged 52.9% of conservation capacity as of November 1st:

| Reservoir (County, State) | November 1 Conserv Cap (%) | October 1 Conserv Cap (%) |
|----------------------------------|---------------------------------------|--------------------------------------|
| JB Thomas (Scurry, TX) | 50.9 | 53.0 |
| Colorado City (Mitchell, TX) | 41.7 | 43.0 |
| Champion Creek (Mitchell, TX) | 47.9 | 48.9 |
| Moss Creek (Howard, TX) | 79.0 | 71.0 |
| Brantley (Eddy, NM) | 74.0 | 47.0 |
| Avalon (Eddy, NM) | 7.0 | 51.0 |
| Red Bluff (Reeves, TX) | 70.0 | 69.7 |

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): 45
Flood Warnings (FLW): 4

Total Non-Routine Products Issued: 49

**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**