

**WFO Midland, Texas**

**MONTHLY REPORT OF HYDROLOGIC CONDITIONS**

REPORT FOR:

MONTH

**August**

YEAR

**2019**

SIGNATURE

**J. DeBerry**

In Charge of HSA

DATE

**September 15, 2019**

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.

The upper ridge dominated August, shutting off rain (relative to previous months) for most of West Texas and Southeast New Mexico. Only one flash flood event was reported, on August 22<sup>nd</sup>, when thunderstorms inundated roadways south of Coyanosa in Pecos County with up to 2.5' of runoff.

Precipitation amounts from area ASOS's:

City	ASOS ID	August	July
Carlsbad, NM	KCNM	T	1.00"
Fort Stockton	KFST	1.04"	1.19"
Guadalupe Pass	KGDP	0.40"	0.65"
Midland Int'l	KMAF	0.32"	2.75"
Odessa	KODO	0.10"	4.46"
Terrell County	K6R6	0.12"	M
Wink	KINK	0.30"	M

Precipitation amounts from area AWOS's:

City	AWOS ID	August	July
Alpine	KE38	0.98"	0.43"
Andrews County	KE11	1.09"	2.13"
Artesia, NM	KATS	0.34"	0.21"
Big Spring	KBGP	1.35"	0.50"
Gaines County	KGNC	0.16"	2.31"
Hobbs, NM	KHOB	0.00"	0.09"
Marfa	KMRF	M	1.20"
Midland Airpark	KMDD	0.02"	0.03"
Pecos	KPEQ	0.09"	0.15"
Presidio	KPRS	1.18"	0.35"
Snyder	KSNK	1.42"	0.48"

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

Marathon, Brewster County 2.52"  
 Chisos Basin, Brewster County 2.88"  
 Terlingua, Brewster County 2.90"  
 Persimmon Gap, Brewster County 4.84"

106 locations reported rainfall for the month of August, for an HSA average of 1.00".

Normal August precipitation for Midland International Air and Space Port is 1.84". Total precipitation for the airport for the year ending September 1st was 11.08", or 1.68" above normal.

As a result of scant rainfall in August, as of September 1<sup>st</sup>, drought conditions have degenerated across West Texas and Southeast New Mexico. In Southeast New Mexico, moderate drought has developed in portions of eastern Lea County. The rest of the county, as well as Eddy County, were abnormally dry. In West Texas, severe drought had developed into northern portions of Borden and Dawson Counties. Much of the rest of West Texas east of the Pecos was in moderate drought, as was the Presidio Valley and Marfa Plateau. The rest of West Texas was either abnormally dry or out of drought.

Reservoir levels across the HSA averaged 51.2% of conservation capacity as of September 1<sup>st</sup>:

<b>Reservoir (County, State)</b>	<b>September 1 Conserv Cap (%)</b>	<b>August 1 Conserv Cap (%)</b>
JB Thomas (Scurry, TX)	29.2	30.7
Colorado City (Mitchell, TX)	49.1	51.6
Champion Creek (Mitchell, TX)	69.6	71.4
Natural Dam Salt Lake (Howard, TX)	48.4	48.4
Moss Creek (Howard, TX)	70.0	62.0
Brantley (Eddy, NM)	38.0	66.0
Avalon (Eddy, NM)	45.0	42.0
Red Bluff (Reeves, TX)	60.5	63.0

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

Flash Flood Watches (FFA): 0  
 Flash Flood Warnings (FFW): 1  
 Flash Flood Statements (FFS): 1  
 Flood Advisories/Statements (FLS): 9  
Flood Warnings (FLW): 0

**Total Non-Routine Products Issued: 11**

**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**