

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

August

2020

SIGNATURE

J. DeBerry

In Charge of HSA

DATE

September 15, 2020

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.

August was a very dry month for West Texas and Southeast New Mexico, with most of the HSA receiving only 10% or less of normal rainfall, especially south. As a result, no significant hydrologic events were reported. The summertime ridge began breaking down near the end of the month, but not in time to open windows for significant rainfall.

Precipitation amounts from area ASOS's:

City	ASOS ID	August	July
Carlsbad, NM	KCNM	0.21"	0.04"
Fort Stockton	KFST	T	0.11"
Guadalupe Pass	KGDP	0.53"	1.80"
Midland Int'l	KMAF	0.20"	0.01"
Odessa	KODO	T	T
Terrell County	K6R6	0.01"	0.00"
Wink	KINK	0.02"	0.49"

Precipitation amounts from area AWOS's:

City	AWOS ID	August	July
Alpine	KE38	0.06"	0.19"
Andrews County	KE11	0.14"	1.00"
Artesia, NM	KATS	0.36"	0.66"
Big Spring	KBGP	0.49"	2.22"
Gaines County	KGNC	0.00"	0.01"
Hobbs, NM	KHOB	0.61"	0.90"
Marfa	KMRF	0.19"	1.33"
Midland Airpark	KMDD	0.46"	2.28"
Pecos	KPEQ	0.20"	0.03"
Presidio	KPRS	0.01"	0.38"
Snyder	KSNK	1.39"	1.53"

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

Mount Locke, Jeff Davis County	1.26"
The Bowl, Culberson County	1.45"
Seagraves, Gaines County	1.47"
Hope, Eddy County	2.10"

97 locations reported rainfall for the month of August, for an HSA average of 0.40".

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 6.01", or 3.77" below normal.

Due to little rainfall, as of August 27th, in Southeast New Mexico, extreme drought had developed in most of Eddy and northern Lea Counties, buttressed by mainly severe drought for the rest of the area. In West Texas, exceptional drought had developed over the Marfa Plateau. This was surrounded by extreme drought. Extreme drought had also developed in parts of the Pecos River Valley. The rest of West Texas was in severe drought, save for a few isolated pockets here and there of moderate drought.

Reservoir levels across the HSA averaged 40.5% of conservation capacity as of September 1st:

Reservoir (County, State)	September 1 Conserv Cap (%)	August 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	18.5	20.0
Colorado City (Mitchell, TX)	35.7	38.7
Champion Creek (Mitchell, TX)	60.0	61.8
Natural Dam Salt Lake (Howard, TX)	48.4	48.4
Moss Creek (Howard, TX)	57.0	63.0
Brantley (Eddy, NM)	28.0	43.0
Avalon (Eddy, NM)	26.0	38.0
Red Bluff (Reeves, TX)	50.0	52.3

Non-Routine Products Issued for August:

Flash Flood Watches (FFA): 0
Flash Flood Warnings (FFW): 0
Flash Flood Statements (FFS): 0
Flood Advisories/Statements (FLS): 6
Flood Warnings (FLW): 0

Total Non-Routine Products Issued: 6

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