

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

July

YEAR

2020

SIGNATURE

J. DeBerry

In Charge of HSA

DATE

August 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.

July was relatively uneventful hydrologically, as is typical under the summertime ridge. Only one flash flood event was reported, on July 23rd, when a thunderstorm dumped an inch or so of rain in less than an hour in Snyder in Scurry County, stranding vehicles in low water crossings.

Near the end of the month, remnants of Hurricane Hanna produced abundant rainfall in northern Mexico, sending elevated flows down the Rio Conchos, which briefly pushed the Rio Grande into flood at the Presidio International bridge.

Precipitation amounts from area ASOS's:

City	ASOS ID	July	June
Carlsbad, NM	KCNM	0.04"	0.34"
Fort Stockton	KFST	0.11"	2.06"
Guadalupe Pass	KGDP	1.80"	0.73"
Midland Int'l	KMAF	0.01"	0.38"
Odessa	KODO	T	0.12"
Terrell County	K6R6	0.00"	0.88"
Wink	KINK	0.49"	0.94"

Precipitation amounts from area AWOS's:

City	AWOS ID	July	June
Alpine	KE38	0.19"	0.58"
Andrews County	KE11	1.00"	0.08"
Artesia, NM	KATS	0.66"	0.48"
Big Spring	KBGP	2.22"	0.93"
Gaines County	KGNC	0.01"	0.04"
Hobbs, NM	KHOB	0.90"	0.35"
Marfa	KMRF	1.33"	0.29"
Midland Airpark	KMDD	2.28"	0.15"
Pecos	KPEQ	0.03"	0.57"

Presidio	KPRS	0.38"	0.01"
Snyder	KSNK	1.53"	1.64"

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

Mount Locke, Jeff Davis County 2.30"
The Pinery, Culberson County 2.57"
The Bowl, Culberson County 2.65"
Dog Canyon, Culberson County 2.93"

103 locations reported rainfall for the month of July, for an HSA average of 0.77".

Normal July precipitation for Midland International Air and Space Port is 1.82". Total precipitation for the airport for the year ending August 1st was 5.81", or 2.07" below normal.

Due to little rainfall, as of July 30th, extreme drought had developed in the Pecos River Valley of Eddy County in Southeast New Mexico, as well as northern Lea County. The rest was in severe to moderate drought. In West Texas, extreme drought had developed in eastern Culberson and western Reeves Counties, as well as parts of Gaines and Andrews Counties. Most of the rest of West Texas was in severe to moderate drought. Pecos County fared the best in the HSA, and most of it was either abnormally dry or not in drought. The Rio Grande Valley from Johnson Ranch nearly to Langtry was also abnormally dry or not in drought.

Reservoir levels across the HSA averaged 45.7% of conservation capacity as of August 1st:

Reservoir (County, State)	August 1 Conserv Cap (%)	July 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	20.0	21.9
Colorado City (Mitchell, TX)	38.7	40.3
Champion Creek (Mitchell, TX)	61.8	63.0
Natural Dam Salt Lake (Howard, TX)	48.4	48.4
Moss Creek (Howard, TX)	63.0	63.0
Brantley (Eddy, NM)	43.0	61.0
Avalon (Eddy, NM)	38.0	45.0
Red Bluff (Reeves, TX)	52.3	56.8

Non-Routine Products Issued for July:

Flash Flood Watches (FFA): 0
Flash Flood Warnings (FFW): 2
Flash Flood Statements (FFS): 2
Flood Advisories/Statements (FLS): 4
Flood Warnings (FLW): 1

Total Non-Routine Products Issued: 9

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