

**WFO Midland, Texas**

**MONTHLY REPORT OF HYDROLOGIC CONDITIONS**

REPORT FOR:

MONTH

**July**

YEAR

**2019**

SIGNATURE

**J. DeBerry**

In Charge of HSA

DATE

**August 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.

Despite the upper-level ridge residing over West Texas and Southeast New Mexico during July, convection was fairly widespread, with radar rainfall estimates of 1/2" or more in most locations.

On July 3<sup>rd</sup>, a line of convection with heavy rainfall moved through the Permian Basin. This stalled many vehicles throughout Midland in Midland County. Runoff buried several frontage roads in several feet of water.

On the 22<sup>nd</sup>, thunderstorms developed in Carlsbad in Eddy County, flooding roads throughout the town. Convection later that evening inundated roads in the vicinity of Seminole in Gaines County, as well as Midland in Midland County.

Near the end of the month, localized convection with heavy rainfall briefly pushed the Rio Grande into minor flood stage above Presidio (PIOT2), but otherwise rivers generally remained near base flow.

Precipitation amounts from area ASOS's:

City	ASOS ID	July	June
Carlsbad, NM	KCNM	1.00"	1.26"
Fort Stockton	KFST	1.19"	2.16"
Guadalupe Pass	KGDP	0.65"	0.24"
Midland Int'l	KMAF	2.75"	0.28"
Odessa	KODO	4.46"	0.10"
Terrell County	K6R6	M	4.38"
Wink	KINK	M	0.20"

Precipitation amounts from area AWOS's:

City	AWOS ID	July	June
Alpine	KE38	0.43"	1.91"
Andrews County	KE11	2.13"	0.07"
Artesia, NM	KATS	0.21"	1.51"
Big Spring	KBGP	0.50"	0.99"

Gaines County	KGNC	2.31"	2.14"
Hobbs, NM	KHOB	0.09"	1.26"
Marfa	KMRF	1.20"	4.58"
Midland Airpark	KMDD	0.03"	0.60"
Pecos	KPEQ	0.15"	0.38"
Presidio	KPRS	0.35"	1.01"
Snyder	KSNK	0.48"	1.83"

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

Tatum, Lea County	2.31"
Panther Junction, Brewster County	2.37"
Castolon, Brewster County	2.52"
Mount Locke, Jeff Davis County	3.13"

102 locations reported rainfall for the month of July, for an HSA average of 1.21".

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 11.08", or 3.14" above normal.

As a result of rainfall in July, as of August 1<sup>st</sup>, drought conditions have improved across West Texas and Southeast New Mexico. Northern Dawson County was in moderate drought. The rest of West Texas, and all of Southeast New Mexico were out of drought.

Reservoir levels across the HSA averaged 54.4% of conservation capacity as of August 1<sup>st</sup>:

Reservoir (County, State)	August 1 Conserv Cap (%)	July 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	30.7	32.3
Colorado City (Mitchell, TX)	51.6	53.1
Champion Creek (Mitchell, TX)	71.4	72.4
Natural Dam Salt Lake (Howard, TX)	48.4	48.4
Moss Creek (Howard, TX)	62.0	69.0
Brantley (Eddy, NM)	66.0	55.0
Avalon (Eddy, NM)	42.0	44.0
Red Bluff (Reeves, TX)	63.0	64.7

### **Non-Routine Products Issued for July:**

Flash Flood Watches (FFA): 0  
Flash Flood Warnings (FFW): 5  
Flash Flood Statements (FFS): 5  
Flood Advisories/Statements (FLS): 24  
Flood Warnings (FLW): 2

**Total Non-Routine Products Issued: 36**

**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**