

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

October

YEAR

2019

SIGNATURE

J. DeBerry

In Charge of HSA

DATE

November 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 synoptic pattern became much more complaisant in October, and few hydrologic events occurred. The Rio Grande near Presidio briefly went into minor flood at the beginning of the month. On October 3rd, thunderstorms flooded roadways in the vicinity of Artesia. Otherwise, no other events were noted.

Precipitation amounts from area ASOS's:

City	ASOS ID	October	September
Carlsbad, NM	KCNM	0.04"	1.02"
Fort Stockton	KFST	0.16"	2.97"
Guadalupe Pass	KGDP	1.59"	1.00"
Midland Int'l	KMAF	0.01"	1.01"
Odessa	KODO	T	1.48"
Terrell County	K6R6	0.33"	1.32"
Wink	KINK	0.03"	0.46"

Precipitation amounts from area AWOS's:

City	AWOS ID	October	September
Alpine	KE38	M	3.38"
Andrews County	KE11	M	3.15"
Artesia, NM	KATS	1.33"	2.13"
Big Spring	KBGP	M	M
Gaines County	KGNC	M	0.21"
Hobbs, NM	KHOB	0.63"	0.32"
Marfa	KMRF	M	3.66"
Midland Airpark	KMDD	M	0.00"
Pecos	KPEQ	M	0.44"
Presidio	KPRS	M	2.86"
Snyder	KSNK	M	1.98"

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

Pine Springs, Culberson County	2.57"
Nadine, Lea County	3.10"
Brantley Dam, Lea County	3.69"
Caprock, Lea County	4.65"

98 locations reported rainfall for the month of October, for an HSA average of 0.62".

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 12.42", or 0.92" below normal.

As of October 31st, Southeast New Mexico was out of drought. In West Texas, severe drought covered northeast Glasscock and southern Howard and Mitchell Counties. This was buttressed by moderate drought over much of the eastern Permian Basin. The rest of West Texas was either abnormally dry or out of drought.

Reservoir levels across the HSA averaged 51.5% of conservation capacity as of November 1st:

Reservoir (County, State)	November 1 Conserv Cap (%)	October 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	26.1	27.8
Colorado City (Mitchell, TX)	45.4	47.4
Champion Creek (Mitchell, TX)	66.7	68.7
Natural Dam Salt Lake (Howard, TX)	48.4	48.4
Moss Creek (Howard, TX)	82.0	76.0
Brantley (Eddy, NM)	78.0	47.0
Avalon (Eddy, NM)	6.0	51.0
Red Bluff (Reeves, TX)	59.3	59.6

Non-Routine Products Issued for October:

Flash Flood Watches (FFA): 5
Flash Flood Warnings (FFW): 1
Flash Flood Statements (FFS): 1
Flood Advisories/Statements (FLS): 23
Flood Warnings (FLW): 5

Total Non-Routine Products Issued: 35

**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**