

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

May

2019

SIGNATURE

J. DeBerry

In Charge of HSA

DATE

June 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.

May was another very active month regarding severe weather, perhaps the most active since 2004. Most of the severe weather reported was large hail up to 3" in diameter, straight-line thunderstorm winds to 70 mph, and a few tornadoes, one of which was rated an EF3. Only two reports of flash flooding were received. One occurred on May 13th, when thunderstorms flooded streets in Odessa in Ector County. The other occurred on the 20th, when thunderstorms flooded streets in Midland in Midland County, stalling numerous vehicles throughout town. Rivers saw a few rises but, starting from base flow at the beginning of the month, did not flood. Despite the paucity of reports, much of the HSA saw abundant rainfall. Midland International Air and Space Port tied its record for 5th wettest May ever, at 4.96".

Precipitation amounts from area ASOS's:

City	ASOS ID	May	April
Carlsbad, NM	KCNM	0.21"	0.78"
Fort Stockton	KFST	1.78"	T
Guadalupe Pass	KGDP	0.29"	0.18"
Midland Int'l	KMAF	4.96"	2.15"
Odessa	KODO	4.06"	2.25"
Terrell County	K6R6	0.52"	1.11"
Wink	KINK	1.21"	3.25"

Precipitation amounts from area AWOS's:

City	AWOS ID	May	April
Alpine	KE38	1.00"	1.01"
Andrews County	KE11	1.15"	2.15"
Artesia, NM	KATS	0.04"	0.18"
Big Spring	KBGP	2.78"	2.37"
Gaines County	KGNC	1.33"	3.29"
Hobbs, NM	KHOB	0.00"	0.15"
Marfa	KMRF	0.53"	0.37"

Midland Airpark	KMDD	1.51"	0.34"
Pecos	KPEQ	0.57"	1.12"
Presidio	KPRS	0.05"	0.01"
Snyder	KSNK	4.95"	2.33"

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

Lenorah, Martin County 4.24"
 Tarzan, Martin County 4.68"
 Lomax, Howard County 4.86"
 Gail, Borden County 6.30"

104 locations reported rainfall for the month of May, for an HSA average of 1.94".

Normal May precipitation for Midland International Air and Space Port is 1.75". Total precipitation for the airport for the year ending June 1st was 8.05", or 3.79" above normal.

As a result of rainfall in May, as of June 1st, drought conditions have remained static or improved across West Texas and Southeast New Mexico. Extreme western Eddy County in Southeast New Mexico was in moderate drought. The rest of Southeast New Mexico was out of drought. West Texas was abnormally dry in a few isolated areas, but otherwise was out of drought.

Reservoir levels across the HSA averaged 57.7% of conservation capacity as of June 1st:

Reservoir (County, State)	June 1 Conserv Cap (%)	May 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	33.8	33.7
Colorado City (Mitchell, TX)	53.0	48.2
Champion Creek (Mitchell, TX)	73.6	67.8
Natural Dam Salt Lake (Howard, TX)	48.4	48.4
Moss Creek (Howard, TX)	71.0	54.0
Brantley (Eddy, NM)	65.0	41.0
Avalon (Eddy, NM)	53.0	54.0
Red Bluff (Reeves, TX)	63.7	65.0

Non-Routine Products Issued for May:

Flash Flood Watches (FFA): 0
 Flash Flood Warnings (FFW): 9
 Flash Flood Statements (FFS): 12
 Flood Advisories/Statements (FLS): 47
Flood Warnings (FLW): 1

Total Non-Routine Products Issued: 69

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