

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

May

2018

SIGNATURE

J. DeBerry

In Charge of HSA

DATE

June 15, 2018

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 saw a slight increase in rainfall, but the drought continued. In general, areas west of the Pecos had above-normal rainfall, whereas areas east were up to two inches below. However, a few events occurred, mostly severe. One exception was on May 23rd, when thunderstorms developed over the Guadalupe Mountains. Flash flooding occurred in Rocky Arroyo, where 2' of runoff inundated State Highway 137.

Precipitation amounts from area ASOS's:

City	ASOS ID	May	April
Carlsbad, NM	KCNM	0.12"	T
Fort Stockton	KFST	0.39"	0.49"
Guadalupe Pass	KGDP	0.14"	0.02"
Midland Int'l	KMAF	0.68"	T
Odessa	KODO	0.82"	T
Terrell County	K6R6	1.17"	0.00"
Wink	KINK	0.13"	0.00"

Precipitation amounts from area AWOS's:

City	AWOS ID	May	April
Alpine	KE38	1.44"	0.21"
Andrews County	KE11	0.36"	0.00"
Artesia, NM	KATS	0.54"	0.00"
Big Spring	KBGP	0.83"	0.00"
Gaines County	KGNC	0.42"	0.00"
Hobbs, NM	KHOB	0.62"	0.00"
Marfa	KMRF	0.05"	0.16"
Midland Airpark	KMDD	0.36"	0.00"
Pecos	KPEQ	0.11"	0.00"
Presidio	KPRS	0.17"	0.00"

Snyder	KSNK	0.00"	0.00"
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Some other locations in the HSA that received notable amounts of precipitation for May were:

Queen, Eddy County	1.87"
Ft. Davis, Jeff Davis County	1.94"
Gail, Borden County	1.96"
Rio Grande Village, Brewster County	1.97"

96 locations reported rainfall for the month of May, for an HSA average of 0.74".

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 0.84", or 3.42" below normal.

Due to meager rainfall, as of May 31th, over Southeast New Mexico, extreme drought has developed into the northeastern half of Lea County. Severe drought covers the rest of Lea, and most of Eddy County. Extreme southwest Eddy County remains in moderate drought. In West Texas, extreme drought had developed into Andrews and Gaines Counties. A swath of extreme drought extended from Crane County northeast through Midland and Glasscock Counties into Howard County. This was bordered by severe drought, with moderate drought everywhere else east of the Pecos. The area just west of the Pecos in Pecos County was in moderate drought, as was most of Presidio County. The rest of West Texas was either abnormally dry or not in drought.

Reservoir levels across the HSA averaged 52.1% of conservation capacity as of June 1st:

Reservoir (County, State)	June 1 Conserv Cap (%)	May 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	41.3	42.8
Colorado City (Mitchell, TX)	35.3	37.1
Champion Creek (Mitchell, TX)	45.9	44.7
Moss Creek (Howard, TX)	79.0	73.0
Brantley (Eddy, NM)	54.0	66.0
Avalon (Eddy, NM)	46.0	66.0
Red Bluff (Reeves, TX)	63.2	72.0

Non-Routine Products Issued for May:

Flash Flood Watches (FFA): 0
Flash Flood Warnings (FFW): 4
Flash Flood Statements (FFS): 3
Flood Advisories/Statements (FLS): 14
Flood Warnings (FLW): 0

Total Non-Routine Products Issued: 21

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