

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

March

2019

SIGNATURE

J. DeBerry

In Charge of HSA

DATE

April 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.

In March, the synoptic pattern began transitioning from winter to spring, and became a little more progressive. A squall line event moved through the HSA during the middle of the month, but moved too fast to allow for any flash flooding. As such, no notable hydrologic events were reported. However, respectable amounts of rainfall began coming back into play.

Precipitation amounts from area ASOS's:

City	ASOS ID	March	February
Carlsbad, NM	KCNM	0.23"	T
Fort Stockton	KFST	0.41"	0.04"
Guadalupe Pass	KGDP	T	0.07"
Midland Int'l	KMAF	0.80"	0.04"
Odessa	KODO	1.18"	0.01"
Terrell County	K6R6	0.18"	0.01"
Wink	KINK	0.88"	T

Precipitation amounts from area AWOS's:

City	AWOS ID	March	February
Alpine	KE38	0.36"	0.18"
Andrews County	KE11	0.38"	0.01"
Artesia, NM	KATS	0.41"	0.05"
Big Spring	KBGP	0.41"	0.07"
Gaines County	KGNC	0.75"	0.00"
Hobbs, NM	KHOB	0.14"	0.00"
Marfa	KMRF	0.25"	0.21"
Midland Airpark	KMDD	0.26"	0.01"
Pecos	KPEQ	0.44"	0.01"
Presidio	KPRS	0.02"	0.04"
Snyder	KSNK	M	0.31"

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

Queen, Eddy County	1.27"
Tarzan, Martin County	1.32"
Pine Springs, Culberson County	1.44"
Kermit, Winkler County	2.90"

100 locations reported rainfall for the month of March, for an HSA average of 0.65".

Normal March precipitation for Midland International Air and Space Port is 0.60". Total precipitation for the airport for the year ending April 1st was 0.94", or 0.93" below normal.

As a result of rainfall in March, as of April 1st, drought conditions have improved slightly across West Texas and Southeast New Mexico. Western Eddy County in Southeast New Mexico was in severe and moderate drought. The rest of Southeast New Mexico was abnormally dry or not in drought. West Texas was abnormally dry in a few isolated areas, but otherwise was out of drought.

Reservoir levels across the HSA averaged 51.3% of conservation capacity as of April 1st:

Reservoir (County, State)	April 1 Conserv Cap (%)	March 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	34.0	34.9
Colorado City (Mitchell, TX)	48.3	49.3
Champion Creek (Mitchell, TX)	70.8	71.4
Moss Creek (Howard, TX)	40.0	12.0
Brantley (Eddy, NM)	65.0	69.0
Avalon (Eddy, NM)	35.0	35.0
Red Bluff (Reeves, TX)	66.0	66.0

Non-Routine Products Issued for March:

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

Total Non-Routine Products Issued: 4

**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**