

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

March

YEAR

2017

TO: Hydrometeorological Information Center, W/OH2
NOAA / National Weather Service
1325 East West Highway, Room 7230
Silver Spring, MD 20910-3283

SIGNATURE

J. DeBerry

In Charge of HSA

DATE

April 15, 2017

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 began transitioning from winter to spring during March, but events were mostly either of a critical fire weather nature, or severe weather. Hydrologic activity was on the dry side.

Precipitation amounts from area ASOS's:

City	ASOS ID	March	February
Carlsbad, NM	CNM	0.00"	0.12"
Fort Stockton	FST	0.04"	0.03"
Guadalupe Pass	GDP	T	0.04"
Midland Int'l	MAF	0.48"	0.72"
Odessa	ODO	0.65"	0.24"
Terrell County	6R6	0.07"	0.96"
Wink	INK	0.36"	0.01"

Precipitation amounts from area AWOS's:

City	AWOS ID	March	February
Alpine	E38	0.03"	0.00"
Artesia, NM	ATS	0.02"	0.20"
Big Spring	BGP	0.07"	0.47"
Gaines County	GNC	0.05"	0.32"
Hobbs	HOB	0.01"	0.00"
Marfa	MRF	T	T
Midland Airpark	MDD	0.31"	0.03"
Pecos	PEQ	1.27"	0.01"
Presidio	PRS	0.14"	0.00"
Snyder	SNK	1.56"	0.54"

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

Cope Ranch, Reagan County 0.62"

Jal, Lea County	1.00"
St. Lawrence, Glasscock County	1.15"
Lees, Glasscock County	1.22"

94 locations reported rainfall for the month of March, for an HSA average of 0.27".

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 2.32", or 0.45" above normal.

Due to meager rainfall in March, soils have begun to dry out across the area. In Southeast New Mexico, most of Eddy and the northern third of Lea Counties are now abnormally dry. The rest of Southeast New Mexico remains out of drought. In West Texas, most of Culberson and Reeves Counties have become abnormally dry, as has northern Jeff Davis and northwest Pecos Counties. Most of the Western Low Rolling Plains is abnormally dry, and northern Scurry County is now in moderate drought. The rest of West Texas remains out of drought.

Reservoir levels across the HSA averaged 60.4% of conservation capacity as of April 1st:

Reservoir (County, State)	March Conserv Cap (%)	February Conserv Cap (%)
JB Thomas (Scurry, TX)	62.0	63.2
Colorado City (Mitchell, TX)	46.8	47.3
Champion Creek (Mitchell, TX)	37.7	37.9
Moss Creek (Howard, TX)	74.0	79.0
Brantley (Eddy, NM)	75.0	83.0
Avalon (Eddy, NM)	40.0	70.0
Red Bluff (Reeves, TX)	87.4	88.3

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