

<b>NWS FORM E-5</b> <small>(11-88)</small> <small>(PRES. by NWS Instruction 10-924)</small>	<b>U.S. DEPARTMENT OF COMMERCE</b> <b>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION</b> <b>NATIONAL WEATHER SERVICE</b>	HYDROLOGIC SERVICE AREA (HSA) <b>WFO Midland, Texas</b>
<b>MONTHLY REPORT OF HYDROLOGIC CONDITIONS</b>		REPORT FOR: MONTH <b>May</b> YEAR <b>2016</b>
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283		SIGNATURE <div style="text-align: center; border-top: 1px solid black;"> <b>J. DeBerry</b>            In Charge of HSA         </div>
		DATE <b>June 15, 2016</b>

*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 was very active in May.

On May 13<sup>th</sup> and 22<sup>nd</sup>, thunderstorms developed over the Permian Basin, flash flooding Big Spring and vicinity in Howard County. This resulted in a couple of swift water rescues.

On the 15<sup>th</sup>, a supercell just south of Marathon in Brewster County flooded U.S. Hwy 385 just south of town, rendering it impassable.

On the 28<sup>th</sup> and 30<sup>th</sup>, storms developed further northeast in Scurry County, flooding several roads and low water crossings near Snyder.

On May 30<sup>th</sup>, storms developed in Glasscock County, resulting in flash flooding near Sprayberry. FM 33 north of Lees in Howard County was inundated. Storms later developed over Midland County, flooding and/or closing roads in and around Midland and Greenwood.

Overall, rainfall across the HSA in May averaged at or above-normal, especially over the south.

Precipitation amounts from area ASOS's:

City	ASOS ID	May	April
Carlsbad, NM	CNM	0.17"	0.37"
Fort Stockton	FST	0.48"	0.91"
Guadalupe Pass	GDP	M	0.46"
Midland Int'l	MAF	1.47"	1.45"
Odessa	ODO	1.38"	0.97"
Terrell County	6R6	2.22"	0.33"
Wink	INK	2.05"	0.98"

Precipitation amounts from area AWOS's:

City	AWOS ID	May	April
Alpine	E38	1.96"	0.10"
Artesia, NM	ATS	0.59"	0.37"

Big Spring	BGP	0.29"	0.86"
Gaines County	GNC	1.81"	1.11"
Hobbs	HOB	0.20"	0.03"
Marfa	MRF	2.30"	0.15"
Midland Airpark	MDD	0.60"	0.49"
Pecos	PEQ	0.52"	0.23"
Snyder	SNK	3.14"	3.06"

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

Tarzan, Martin County	4.76"
Gail, Borden County	5.34"
Lees, Glasscock County	5.55"
Big Lake, Reagan County	6.18"

95 locations reported rainfall for the month of May, for an HSA average of 1.74".

Normal May precipitation for Midland International Air and Space Port is 1.75". Total precipitation for the airport for the year ending June 1<sup>st</sup> was 3.74", or 0.59" below normal.

Due to May's rains, drought in West Texas and Southeast New Mexico either didn't change over April, or even improved in some areas. As of May 24<sup>th</sup>, in Southeast New Mexico, moderate drought remained in western Eddy County. Most of the rest of Eddy County, and the northern half of Lea County, were abnormally dry. The rest of Southeast New Mexico was out of drought. In West Texas, abnormally dry conditions existed over northern Culberson, Reeves, and Loving Counties. The rest of West Texas was normal.

Reservoir levels across the HSA averaged 57.2% of conservation capacity as of June 1<sup>st</sup>:

Reservoir (County, State)	May Conserv Cap (%)	April Conserv Cap (%)
JB Thomas (Scurry, TX)	68.6	69.5
Colorado City (Mitchell, TX)	26.4	26.8
Champion Creek (Mitchell, TX)	25.3	22.4
Natural Dam Salt Lake (Howard, TX)	48.6	48.6
Moss Creek (Howard, TX)	78.0	64.0
Brantley (Eddy, NM)	69.0	60.0
Avalon (Eddy, NM)	53.0	50.0
Red Bluff (Reeves, TX)	88.8	91.2

### **Non-Routine Products Issued for May:**

Flash Flood Watches (FFA): 4  
Flash Flood Warnings (FFW): 10  
Flash Flood Statements (FFS): 7  
Flood Advisories/Statements (FLS): 25  
Flood Warnings (FLW): 1

**Total Non-Routine Products Issued: 47**

**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**