

<b>NWS FORM E-5</b> (11-88) (PRES. by NWS Instruction 10-924)	<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>
		REPORT FOR: MONTH <b>May</b> YEAR <b>2017</b>
<b>MONTHLY REPORT OF HYDROLOGIC CONDITIONS</b>		SIGNATURE <b>J. DeBerry</b> In Charge of HSA
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283		DATE <b>June 15, 2017</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.

May saw abundant rainfall for much of the HSA, especially during the latter half of the month. Early in the morning of May 19<sup>th</sup>, thunderstorms initiated along the dryline near Odessa in Ector County, and trained eastward along I-20 for the rest of the morning. Up to 1' of runoff flooded Hwy 307 in Greenwood in Midland County. Thunderstorms then moved on to Mitchell County, where many roadways in and around Colorado City, Loraine, and Westbrook were rendered impassable and barricaded. 3-4" of rain fell in some places. Champion Creek Reservoir filled to just over 50% conservation capacity, the first time since 1997.

On the 21<sup>st</sup>, slow-moving thunderstorms produced 3-4" of rainfall directly over Big Bend National Park. This sent a flash flood down Terlingua Creek into the Rio Grande, sending a 17+' flood wave through Castolon (CSTT2), then later through Johnson Ranch (TELT2).

On May 30-31<sup>st</sup>, thunderstorms formed over Mexico in a line roughly parallel to the Rio Grande, from Presidio to the Big Bend. A flood wave coming down the Rio Conchos briefly pushed the Rio Grande into flood at Presidio, but the river responded with elevated flows downstream as far as Dryden.

To bring in the new month, on the afternoon and evening of the 31<sup>st</sup>, thunderstorms developed from Carlsbad in New Mexico to the Permian Basin. Urban street flooding of up to 1.5' of runoff was reported in Odessa in Ector County.

Precipitation amounts from area ASOS's:

City	ASOS ID	May	April
Carlsbad, NM	CNM	0.07"	0.28"
Fort Stockton	FST	0.43"	1.19"
Guadalupe Pass	GDP	0.18"	0.78"
Midland Int'l	MAF	0.89"	2.48"
Odessa	ODO	2.52"	2.40"
Terrell County	6R6	0.13"	0.97"
Wink	INK	0.06"	0.19"

Precipitation amounts from area AWOS's:

City	AWOS ID	May	April
Alpine	E38	0.59"	0.90"
Artesia, NM	ATS	0.03"	0.76"
Big Spring	BGP	0.91"	2.20"
Gaines County	GNC	0.47"	1.85"
Hobbs	HOB	0.01"	2.02"
Marfa	MRF	0.70"	0.86"
Midland Airpark	MDD	0.25"	0.48"
Pecos	PEQ	0.00"	1.28"
Presidio	PRS	0.69"	0.00"
Snyder	SNK	0.35"	1.27"

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

Panther Junction, Brewster County	2.72"
Chisos Basin, Brewster County	3.17"
Castolon, Brewster County	3.89"
Lajitas, Brewster County	4.98"

102 locations reported rainfall for the month of May, for an HSA average of 0.78".

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 4.83", or 2.31" above normal.

Due to May showers, drought conditions have improved across the area. Southeast New Mexico is out of drought. In West Texas, most of Presidio and Scurry Counties are abnormally dry, as are portions of Borden, Crane, and Pecos Counties. The rest of West Texas is out of drought.

Reservoir levels across the HSA averaged 56.4% of conservation capacity as of June 1<sup>st</sup>:

Reservoir (County, State)	June 1 Conserv Cap (%)	May 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	58.4	60.8
Colorado City (Mitchell, TX)	47.3	45.6
Champion Creek (Mitchell, TX)	50.3	37.9
Moss Creek (Howard, TX)	86.0	70.0
Brantley (Eddy, NM)	43.0	60.0
Avalon (Eddy, NM)	30.0	40.0
Red Bluff (Reeves, TX)	79.7	85.8

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

Flash Flood Watches (FFA): 0  
Flash Flood Warnings (FFW): 10  
Flash Flood Statements (FFS): 6  
Flood Advisories/Statements (FLS): 16

Flood Warnings (FLW): 5

**Total Non-Routine Products Issued: 37**

**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**