

NWS FORM E-5 <small>(11-88)</small> <small>(PRES. by NWS Instruction 10-924)</small>	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE
MONTHLY REPORT OF HYDROLOGIC CONDITIONS	
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283	HYDROLOGIC SERVICE AREA (HSA) WFO Midland, Texas <hr/> REPORT FOR: MONTH July YEAR 2017 <hr/> SIGNATURE J. DeBerry In Charge of HSA <hr/> DATE August 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 summertime ridge finally developed over the region in July. While this generally suppresses convective development, what activity does develop tends to be heavy rainfall events, as there is very little shear, resulting in slow storm motions. As such, a few heavy rainfall events were noted.

Throughout the month, an abundance of convective activity developed both north and south of the Rio Grande, resulting in elevated flows for most of the month. This kept the river near minor flood stage, mainly from Candelaria through Presidio.

On July 21, thunderstorms developed over the Permian Basin. In the vicinity of Seminole in Gaines County, heavy rainfall flooded several roadways.

On the 22nd, storms redeveloped over the Permian Basin. Heavy rainfall in Midland flooded roadways and stalled many vehicles, necessitating at least 15 high water rescues.

Precipitation amounts from area ASOS's:

City	ASOS ID	July	June
Carlsbad, NM	CNM	1.56"	1.32"
Fort Stockton	FST	1.74"	0.99"
Guadalupe Pass	GDP	1.77"	1.28"
Midland Int'l	MAF	1.48"	3.05"
Odessa	ODO	0.84"	2.35"
Terrell County	6R6	3.27"	1.42"
Wink	INK	1.21"	0.10"

Precipitation amounts from area AWOS's:

City	AWOS ID	July	June
Alpine	E38	2.63"	1.87"
Artesia, NM	ATS	0.76"	0.23"
Big Spring	BGP	0.08"	1.03"
Gaines County	GNC	1.87"	1.13"

Hobbs	HOB	1.41"	0.14"
Marfa	MRF	2.42"	0.56"
Midland Airpark	MDD	0.23"	1.68"
Pecos	PEQ	0.61"	0.80"
Presidio	PRS	4.10"	0.57"
Snyder	SNK	0.11"	1.41"

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

Tatum, Lea County 5.18"
 Chisos Basin, Brewster County 5.47"
 The Bowl, Culberson County 7.24"
 Mount Locke, Jeff Davis County 12.12"

102 locations reported rainfall for the month of July, for an HSA average of 2.01".

Normal July precipitation for Midland International Air and Space Port is 1.82". Total precipitation for the airport for the year ending August 1st was 10.22", or 2.34" above normal.

Due to July rain, drought conditions have changed little across the area. In Southeast New Mexico, northwest Eddy and northwest Lea Counties are abnormally dry. The rest of Southeast New Mexico remains out of drought. In West Texas, portions of the upper Trans Pecos and Permian are abnormally dry. Otherwise, the rest of West Texas is out of drought.

Reservoir levels across the HSA averaged 52.2% of conservation capacity as of August 1st:

Reservoir (County, State)	August 1 Conserv Cap (%)	July 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	55.5	57.7
Colorado City (Mitchell, TX)	44.3	46.4
Champion Creek (Mitchell, TX)	50.4	52.1
Moss Creek (Howard, TX)	60.0	63.0
Brantley (Eddy, NM)	50.0	36.0
Avalon (Eddy, NM)	36.0	58.0
Red Bluff (Reeves, TX)	69.2	73.4

Non-Routine Products Issued for July:

Flash Flood Watches (FFA): 2
 Flash Flood Warnings (FFW): 10
 Flash Flood Statements (FFS): 8
 Flood Advisories/Statements (FLS): 85
Flood Warnings (FLW): 12

Total Non-Routine Products Issued: 117

**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**