

NWS FORM E-5 (11-88) (PRES. by NWS Instruction 10-924)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	HYDROLOGIC SERVICE AREA (HSA) WFO Midland, Texas
	MONTHLY REPORT OF HYDROLOGIC CONDITIONS	REPORT FOR: MONTH June 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 July 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 annual upper-level ridge that appears over the desert southwest each summer began trying to develop in June. However, many convective events still managed to occur, mostly over the eastern HSA, furthest from the influence of the ridge. These were mostly severe storms, producing damaging winds and very large hail, end even a tornado or two. However, a few heavy rain events occurred during the latter half of the month.

On June 23rd, thunderstorms developed over Southeast New Mexico, flooding roads and low water crossings in Hobbs in Lea County. Multiple vehicles were flooded. Storms then developed east into the upper Colorado River Valley, where roadways in the vicinity of Loraine in Mitchell County flooded.

Early on the morning of the 26th, a complex of thunderstorms moved south into the Permian Basin. Midland in Midland County received over 2" of rainfall in some locations in a very short time period. Widespread urban street flooding was observed, necessitating multiple high water rescues from the morning commute.

Precipitation amounts from area ASOS's:

City	ASOS ID	June	May
Carlsbad, NM	CNM	1.32"	0.07"
Fort Stockton	FST	0.99"	0.43"
Guadalupe Pass	GDP	1.28"	0.18"
Midland Int'l	MAF	3.05"	0.89"
Odessa	ODO	2.35"	2.52"
Terrell County	6R6	1.42"	0.13"
Wink	INK	0.10"	0.06"

Precipitation amounts from area AWOS's:

City	AWOS ID	June	May
Alpine	E38	1.87"	0.59"
Artesia, NM	ATS	0.23"	0.03"
Big Spring	BGP	1.03"	0.91"

Gaines County	GNC	1.13"	0.47"
Hobbs	HOB	0.14"	0.01"
Marfa	MRF	0.56"	0.70"
Midland Airpark	MDD	1.68"	0.25"
Pecos	PEQ	0.80"	0.00"
Presidio	PRS	0.57"	0.69"
Snyder	SNK	1.41"	0.35"

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

Tarzan, Martin County	2.67"
The Bowl, Culberson County	2.68"
Fluvanna 3WNW, Borden County	3.43"
Gail, Borden County	5.42"

104 locations reported rainfall for the month of June, for an HSA average of 1.67".

Normal June precipitation for Midland International Air and Space Port is 1.80". Total precipitation for the airport for the year ending July 1st was 8.74", or 2.68" above normal.

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

Reservoir levels across the HSA averaged 55.2% of conservation capacity as of July 1st:

Reservoir (County, State)	July 1 Conserv Cap (%)	June 1 Conserv Cap (%)
JB Thomas (Scurry, TX)	57.7	58.4
Colorado City (Mitchell, TX)	46.4	47.3
Champion Creek (Mitchell, TX)	52.1	50.3
Moss Creek (Howard, TX)	63.0	86.0
Brantley (Eddy, NM)	36.0	43.0
Avalon (Eddy, NM)	58.0	30.0
Red Bluff (Reeves, TX)	73.4	79.7

Non-Routine Products Issued for June:

Flash Flood Watches (FFA): 0
Flash Flood Warnings (FFW): 4
Flash Flood Statements (FFS): 2
Flood Advisories/Statements (FLS): 43
Flood Warnings (FLW): 3

Total Non-Routine Products Issued: 52

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