

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 July YEAR 2014
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 August 15, 2014

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.

As El Nino strengthened through the month, July got off to a good hydrological start. On July 2nd, an MCV developed over Southeast New Mexico, then rotated over into the Western Low Rolling Plains. Heavy rainfall flooded US Hwy 62/180 around 25 miles west of Hobbs in Lea County. FM 1757 outside of Higginbotham in Gaines County was underwater in places. MPE estimates that up to 4" of rain fell in some areas of Gaines and Dawson Counties. Flooding and evidence thereof was reported in and around Lamesa in Dawson County the next day.

On the 3rd, unorganized diurnal convection developed over the Permian Basin, resulting in curb-to-curb street flooding in some parts of Odessa in Ector County.

On the evening of July 17th, supercells developed just upstream of Presidio, and briefly brought the Rio Grande into minor flood at Presidio 6WNW (PIOT2) the next morning. Storms redeveloped near the same place on the evening of July 18th, pushing PIOT2 back into minor flood twice overnight.

Early morning of the 31st, storms developed over Carlsbad, dumping up to 3" of rain in town. Several city streets were flooded.

Precipitation amounts from area ASOS's:

City	ASOS ID	July	June
Carlsbad, NM	CNM	0.63"	0.62"
Fort Stockton	FST	0.22"	0.80"
Guadalupe Pass	GDP	1.89"	T
Midland Int'l	MAF	0.33"	0.48"
Odessa	ODO	0.68"	0.52"
Terrell County	6R6	0.07"	1.64"
Wink	INK	0.23"	0.47"

Precipitation amounts from area AWOS's:

City	AWOS ID	July	June
Alpine	E38	1.58"	0.52"
Artesia, NM	ATS	0.57"	0.93"

Big Spring	BGP	0.11"	0.98"
Gaines County	GNC	0.41"	2.18"
Hobbs	HOB	0.05"	0.13"
Marfa	MRF	1.46"	2.91"
Midland Airpark	MDD	0.09"	0.00"
Pecos	PEQ	1.34"	1.03"
Snyder	SNK	0.86"	2.57"

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

Lajitas, Brewster County	3.83"
Mount Locke, Jeff Davis County	3.84"
Dog Canyon, Culberson County	4.00"
Caprock, Lea County	4.83"

94 locations reported rainfall for the month of July, for an average of 1.13".

Normal July precipitation for Midland International Airport is 1.82". Total precipitation for Midland International Airport for 2014 ending August 1st was 3.97", or 2.48" below normal.

July's rainfall did not move the drought needle much in West Texas or Southeast New Mexico. As of July 29th, in Southeast New Mexico, extreme northwest Eddy County remained in extreme drought. Northwest Eddy and northeast Lea Counties remained in severe drought. The rest of Southeast New Mexico ranged from moderate drought to abnormally dry. In West Texas, extreme northeast Scurry County had improved from exceptional to extreme drought. Severe drought covered the rest of Scurry, as well as portions of Andrews, Borden, Dawson, Ector, Midland, Mitchell, and Terrell Counties. The rest of West Texas ranged from moderate drought to no drought.

Reservoir levels across the HSA averaged 42.1% of conservation capacity as of August 1st:

Reservoir (County, State)	July Conserv Cap (%)	June Conserv Cap (%)
JB Thomas (Scurry, TX)	1.1	1.4
Colorado City (Mitchell, TX)	24.6	25.8
Champion Creek (Mitchell, TX)	6.8	7.3
Natural Dam Salt Lake (Howard, TX)	48.6	48.6
Moss Creek (Howard, TX)	82.0	80.0
Brantley (Eddy, NM)	87.0	61.0
Avalon (Eddy, NM)	36.0	63.0
Red Bluff (Reeves, TX)	51.2	22.0

Non-Routine Products Issued for July:

Flash Flood Watches (FFA): 0
Flash Flood Warnings (FFW): 8
Flash Flood Statements (FFS): 10
Flood Warnings (FLW): 1

Flood Advisories/Statements (FLS): 30

Total Non-Routine Products Issued: 49

**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**