

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 2012
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283	SIGNATURE <p style="text-align: center;">J. DeBerry In Charge of HSA</p>	DATE August 15, 2012

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.

With the summertime ridge more or less established, precipitation tapered off during July. However, a couple of noteworthy hydrologic events occurred.

On July 10-11, widespread thunderstorm activity developed across Southeast New Mexico and West Texas, resulting in mostly nuisance flooding but elevating the Pecos River and the Rio Grande. The Rio Grande 6 miles upstream of Presidio (PIOT2) went into minor flood for 8 minutes on the 11th.

On the 27th, thunderstorms developed along an old cold frontal boundary in Alpine in Brewster County, dumping over an estimated 3" of rainfall in and around the city. This resulted in widespread flooding in the city, with up to 4.5' of runoff in low-lying areas.

Precipitation amounts from area ASOS's:

City	ASOS ID	July	June
Carlsbad, NM	CNM	2.60"	T
Fort Stockton	FST	1.87"	1.29"
Guadalupe Pass	GDP	2.15"	0.85"
Midland Int'l	MAF	1.30"	0.43"
Odessa	ODO	0.07"	1.42"
Terrell County	6R6	1.49"	0.20"
Wink	INK	1.05"	0.00"

Precipitation amounts from area AWOS's:

City	ASOS ID	July	June
Alpine	E38	5.48"	0.17"
Artesia, NM	ATS	1.76"	0.03"
Big Spring	BGP	1.20"	0.45"
Gaines County	GNC	0.21"	0.64"
Marfa	MRF	1.58"	0.02"
Midland Airpark	MDD	1.01"	0.05"
Pecos	PEQ	2.55"	0.00"

Snyder	SNK	0.34"	1.28"
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Some other locations in the HSA that received notable amounts of precipitation for July were:

Dog Canyon, Culberson County 3.68"
 Chisos Basin, Brewster County 3.85"
 Mount Locke, Jeff Davis County 3.96"
 Queen, Eddy County 6.72"

114 locations reported rainfall for the month of July, for an average of 1.69".

Normal July precipitation for Midland International Airport is 1.89". Total precipitation for Midland International Airport for the year ending August 1st was 5.96", or just 1.92" below normal.

Due to July's scant precipitation, the drought changed little during the month, As of July 24th, in Southeast New Mexico, drought in Eddy and Lea Counties ranged from extreme in the northwest/north to moderate in the southeast/south. In West Texas, extreme drought persisted from the Diablo Plateau near Van Horn southeast through the Davis and Apache Mountains to the Marfa Plateau, covering most of Culberson and Jeff Davis Counties. The rest of the West Texas was either in severe or moderate drought, and even abnormally dry. Abnormally dry areas included most of Pecos, Ward, and Winkler Counties.

Unfortunately, current drought conditions are likely to persist under the summertime synoptic ridge.

Reservoir levels across the HSA averaged 25% of conservation capacity as of August 1st:

Reservoir (County, State)	July Conserv Cap (%)	June Conserv Cap (%)
JB Thomas (Scurry, TX)	1	1
Colorado City (Mitchell, TX)	30	30
Champion Creek (Mitchell, TX)	12	13
Natural Dam Salt Lake (Howard, TX)	49	49
Moss Creek (Howard, TX)	41	43
Brantley (Eddy, NM)	15	17
Avalon (Eddy, NM)	38	27
Red Bluff (Reeves, TX)	12	12

Non-Routine Products Issued for July:

Flash Flood Watches (FFA): 2
 Flash Flood Warnings (FFW): 8
 Flash Flood Statements (FFS): 7
 Flood Warnings (FLW): 4
Flood Statements (FLS): 40

Total Non-Routine Products Issued: 61

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