

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH YEAR
July 2008

TO: Hydrometeorological Information Center, W/OH2
NOAA / National Weather Service
1325 East West Highway, Room 7230
Silver Spring, MD 20910-3283

SIGNATURE
Chris Daniels for Lora J Mueller

In Charge of HSA

DATE

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.

During the month of July, heavy rainfall fell across parts of the Big Bend Region, Trans Pecos and the Southeast New Mexico plains while other areas of the Midland Hydrological Service Area (HSA) received much lower rainfall amounts. An upper level low over Sonora on the 9th of July produced heavy rainfall over both Eddy and Lea counties with some areas receiving up to 2 to 3 inches. On July 12th, an upper level trough moved across the central plain dragging down a cold front into the Permian Basin. This front was a focus for heavy rainfall across parts of the Permian Basin, with some areas receiving up to 1 to 2 inches of rainfall. On July 25th, the remnants of Hurricane Dolly moved across the Big Bend region and the Trans Pecos bringing heavy rainfall to many of these areas. Widespread 1 inch amounts fell across this area with isolated areas receiving up to 2 inches. The Permian Basin and Southeast New Mexico received very little rainfall from the remnants of Hurricane Dolly. Through the rest of the month, scattered showers and thunderstorms occurred across the mountains of West Texas due to increased moisture and orographic lifting. Overall, most areas in the Permian Basin received little rainfall in July while the Big Bend region, mountains of West Texas and the Southeast New Mexico plains received high amounts of rainfall.

Midland International Airport received 0.72 inches of rainfall in July, which is 1.17 inches below the normal value of 1.89. After having above normal precipitation in June, the area once again was below normal in July. The total yearly rainfall is at 3.84 inches which is 3.81 inches below the normal total of 7.65. Last year at this time, Midland International airport was well above normal, with 15.37 inches of rainfall.

Precipitation amounts from area ASOS:

City	ASOS ID	July	June
Carlsbad, NM	CNM	3.23 inches	0.75 inches
Fort Stockton	FST	2.80 inches	1.21 inches
Guadalupe Pass	GDP	3.24 inches	1.22 inches
Midland Int'l	MAF	0.70 inches	2.02 inches
Odessa	ODO	0.31 inches	1.70 inches
Terrell County	6R6	2.20 inches	2.89 inches
Wink	INK	1.58 inches	1.85 inches

Precipitation amounts from area AWOS:

City	ASOS ID	July	June
Alpine	E38	2.88 inches	0.60 inches
Artesia, NM	ATS	1.95 inches	1.79 inches
Big Spring	BGP	0.24 inches	1.20 inches
Gaines County	GNC	0.02 inches	1.03 inches
Marfa	MRF	2.17 inches	0.75 inches*
Midland Airpark	MDD	0.03 inches	0.65 inches
Pecos	PEQ	0.63 inches	1.78 inches
Snyder	SNK	0.00 inches	1.86 inches

*Estimate due to gage malfunction

Average reservoir levels across the HSA averaged 35% of conservation capacity at the end of July.

Reservoir (County, State)	July Conserv Cap (%)	June Conserv Cap (%)
JB Thomas (Scurry, TX)	8	9
Colorado City (Mitchell, TX)	77	80
Champion Creek (Mitchell, TX)	4	23
Natural Dam Salt Lake (Howard, TX)	N/A	49
Moss Creek (Howard, TX)	35	61
Brantley (Eddy, NM)	64	46
Avalon (Eddy, NM)	36	38
Red Bluff (Reeves, TX)	24	27

Products Issued for May:

Flash Flood Watches: 19
Flash Flood Warnings: 13
Flash Flood Statements: 14
Flood Warnings: 6
Flood Statements: 49
Hydrologic Statements (RVSMAF): 41
Drought Statements: 1
Hydrologic Outlooks (ESFMAF):

Total Products Issued: 143

cc: email: HIC, SRH, NWS ABQ, NWS EPZ, NWS FWR, NWS LBB,
NWS MAF, NWS SJT, LCRA, TAMU, TCEQ, COE ABQ, IBWC PRD, IBWC ELP, USGS
SJT, USGS CNM