

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
October 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 & Lora J Mueller

In Charge of HSA

DATE
October 27, 2008

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 early and mid part of the month of October, heavy rainfall fell across parts of West Texas and Southeast New Mexico. The culprits were two upper level systems and the remnants of Hurricane Norbert. Dry conditions prevailed over most of the forecast area during the latter half of the month. On October 5th, a potent upper level system moved across the central plains which resulted in heavy rainfall across much of West Texas and Southeast New Mexico. Widespread areas of half an inch to one inch fell across the Permian Basin, Western Low Rolling Plains and Trans Pecos region. Most of the rest of West Texas received considerably less rainfall with this system. On October 11th through the 14th, the combination of disturbances rotating across the area from an upper level system over the four corners region and the remnants of tropical storm Norbert, brought heavy rainfall to much of West Texas and Southeast New Mexico. Strong to severe thunderstorms developed across the area as a cold front moved through. Most areas received half an inch to an inch of rainfall with isolated areas receiving up to 2.5 inches.

Precipitation amounts from area ASOS:

City	ASOS ID	October	September
Carlsbad, NM	CNM	0.52 inches	2.24 inches
Fort Stockton	FST	1.00 inches	1.81 inches
Guadalupe Pass	GDP	0.69 inches	1.19 inches
Midland Int'l	MAF	1.61 inches	2.16 inches
Odessa	ODO	2.65 inches	2.10 inches
Terrell County	6R6	0.32 inches	1.58 inches
Wink	INK	2.05 inches	3.60 inches

Precipitation amounts from area AWOS:

City	ASOS ID	October	September
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Alpine	E38	0.30 inches	2.72 inches
Artesia, NM	ATS	0.80 inches	0.42 inches
Big Spring	BGP	1.52 inches	1.74 inches
Gaines County	GNC	1.66 inches	3.71 inches
Marfa	MRF	0.21 inches	2.75 inches
Midland Airpark	MDD	1.51 inches	3.04 inches
Pecos	PEQ	0.17 inches	0.83 inches
Snyder	SNK	2.02 inches	1.75 inches

Average reservoir levels across the HSA averaged 44% of conservation capacity at the end of October.

Reservoir (County, State)	October Conserv Cap (%)	September Conserv Cap (%)
JB Thomas (Scurry, TX)	10	11
Colorado City (Mitchell, TX)	75	73
Champion Creek (Mitchell, TX)	24	22
Natural Dam Salt Lake (Howard, TX)	49	49
Moss Creek (Howard, TX)	77	39
Brantley (Eddy, NM)	50	85
Avalon (Eddy, NM)	48	N/A
Red Bluff (Reeves, TX)	22	21

Products Issued for September:

Flash Flood Watches: 23
Flash Flood Warnings: 5
Flash Flood Statements: 6
Flood Warnings: 11
Flood Statements: 198
Hydrologic Statements (RVSMAF): 140
Drought Statements: 0
Hydrologic Outlooks (ESFMAF): 0

Total Products Issued: 144

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