

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH YEAR

January 2008

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

SIGNATURE

Lora J Mueller

In Charge of HSA

DATE

February 17, 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 flooding occurred within this hydrologic service area.

It was a very dry month across the northern two-thirds of the Midland Hydrologic Service Area (HSA). Most areas north of a Candelaria to Midkiff line generally received less than 0.10 of an inch of precipitation during the month. Areas in southeastern New Mexico and bordering west Texas received no measurable precipitation. The US Drought Monitor depicted much of the area as experiencing abnormally dry conditions.

While most of the month of January was dry, there was at least one event that brought moisture to portions of the HSA. On the 24th, a cold front pushed south across the region in advance of an upper level trough moving in from the Great Basin. A good Pacific fetch of mid and upper level moisture streamed up across the Trans-Pecos region that allowed respectable amounts of precipitation across large portions of Presidio, Brewster and Pecos Counties. Other areas in the HSA received a mixture of sleet, freezing rain and light rain.

Precipitation amounts from area ASOS:

City	ASOS ID	Monthly Total	Previous Month
Carlsbad, NM	CNM	Trace	0.77 inches
Dryden	6R6	0.14 inches	0.01 inches
Fort Stockton	FST	0.25 inches	0.06 inches
Guadalupe Peak	GDP	0.02 inches	0.74 inches
Midland Int'l	MAF	0.03 inches	0.60 inches
Odessa	ODO	0.05 inches	0.40 inches
Wink	INK	0.01 inches	0.23 inches

Precipitation amounts from area AWOS:

City	ASOS ID	Monthly Total	Previous Month
Alpine	E38	0.54 inches	0.15 inches
Artesia, NM	ATS	0.00 inches	0.08 inches
Big Spring	BGP	0.00 inches	0.22 inches
Gaines County	GNC	0.00 inches	0.77 inches
Marfa	MRF	0.12 inches	0.01 inches
Midland Airpark	MDD	0.01 inches	0.26 inches
Pecos	PEQ	0.01 inches	0.05 inches
Snyder	SNK	0.02 inches	0.24 inches

Average reservoir levels across the HSA averaged 54% of conservation capacity at the end of January.

Reservoir (County, State)	December 2007 Conserv Cap (%)	January 2008 Conserv Cap (%)
JB Thomas (Scurry, TX)	14	13
Colorado City (Mitchell, TX)	90	89
Champion Creek (Mitchell, TX)	25	75
Natural Dam Salt Lake (Howard, TX)	49	49
Moss Creek (Howard, TX)	79	74
Brantley (Eddy, NM)	29	36
Avalon (Eddy, NM)	40	56
Red Bluff (Reeves, TX)	35	36

Products Issued for January:

Flash Flood Watches: 0
Flash Flood Warnings: 0
Flash Flood Statements: 0
Flood Warnings: 0
Flood Statements: 0
Hydrologic Statements (RVSMAF): 31
Hydrologic Outlooks (ESFMAF): 0
Public Information Statements (PNSMAF): 0

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