

WFO Midland, Texas

## MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH            YEAR  
**December      2007**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

**January 3, 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.

The end of December 2007 brought to a close a very interesting hydrologic year for the Midland HSA. All but three months saw above average amounts of precipitation across the area. The deficit months were February, October, and December. December was only short by 0.05 of an inch of rainfall. The total precipitation for the month of December was 0.60 of an inch at Midland International Airport. Other amounts for the month are found in the tables below.

The year 2007 ended with 21.27 inches of measured precipitation at Midland International Airport (MAF). This is 6.47 inches above the normal annual amount of 14.80 inches. The annual amount was surpassed late in July when a storm system brought flash flooding to the area. Numerous storms across northern Mexico and west Texas caused prolonged river flooding along the Rio Grande. Abundant moisture and below normal temperatures during the summer helped alleviate the substantial drought effects of 2006. Much of the year was noted as normal according to the US Drought Monitor (issued weekly through the National Drought Mitigation Center).

**Precipitation amounts from area ASOS:**

City	ASOS ID	Monthly Total	Previous Month
Carlsbad, NM	CNM	0.77 inches	0.27 inches
Dryden	6R6	0.01 inches	N/A*
Fort Stockton	FST	0.06 inches	0.68 inches
Guadalupe Peak	GDP	0.74 inches	0.26 inches
Midland Int'l	MAF	0.60 inches	0.72 inches
Odessa	ODO	0.40 inches	0.63 inches
Wink	INK	0.23 inches	1.06 inches

\* Not available due to equipment problems during ice/snow event

**Precipitation amounts from area AWOS:**

<b>City</b>	<b>ASOS ID</b>	<b>Monthly Total</b>	<b>Previous Month</b>
Alpine	E38	0.15 inches	0.09 inches
Artesia, NM	ATS	0.08 inches	0.00 inches
Big Spring	BGP	0.22 inches	0.27 inches
Gaines County	GNC	0.77 inches	0.19 inches
Marfa	MRF	0.01 inches	0.21 inches
Midland Airpark	MDD	0.26 inches	0.38 inches
Pecos	PEQ	0.05 inches	0.38 inches
Snyder	SNK	0.24 inches	0.27 inches

**Average reservoir levels across the HSA averaged 45% of conservation capacity at the end of December.**

<b>Reservoir (County, State)</b>	<b>November Conserv Cap (%)</b>	<b>December Conserv Cap (%)</b>
JB Thomas (Scurry, TX)	14	14
Colorado City (Mitchell, TX)	91	90
Champion Creek (Mitchell, TX)	25	25
Natural Dam Salt Lake (Howard, TX)	49	49
Moss Creek (Howard, TX)	81	79
Brantley (Eddy, NM)	21	29
Avalon (Eddy, NM)	28	40
Red Bluff (Reeves, TX)	35	35

**Products Issued for December (2007\*):**

Flash Flood Watches: 0 **(51)**

Flash Flood Warnings: 0 **(150)**

Flash Flood Statements: 0 **(196)**

Flood Warnings: 0 **(70)**

Flood Statements: 2 **(224)**

Hydrologic Statements (RVSMAF): 31**(176)**

Hydrologic Outlooks (ESFMAF): 0 **(24)**

Public Information Statements (PNSMAF): 1-Abnormally Dry Conditions per US Drought Monitor; **(10)**

**Total Products: 34 (967\*)**

\*Yearly totals are estimates only. Actual numbers could vary due to product changes throughout the year.

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