

<b>NWS FORM E-5</b> (11-88) (PRES. by NWS Instruction 10-924)	<b>U.S. DEPARTMENT OF COMMERCE</b> <b>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION</b> <b>NATIONAL WEATHER SERVICE</b>	HYDROLOGIC SERVICE AREA (HSA) <b>WFO Midland, Texas</b>
	<b>MONTHLY REPORT OF HYDROLOGIC CONDITIONS</b>	REPORT FOR: MONTH      YEAR <b>January      2009</b>
TO:      Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283	SIGNATURE <b>Christopher Daniels</b>  In Charge of HSA	DATE <b>February 25, 2009</b>

*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.

**Drought conditions continued to worsen across the Midland HSA. Most areas across the region received less than one quarter inch with many areas receiving a trace to no rainfall.**

**A couple of storm systems affected West Texas and Southeast New Mexico during the month of January. An arctic air mass in combination with an approaching shortwave brought light liquid and frozen precipitation to most of the area on January 5th. Most of the region received less than one tenth of an inch of liquid precipitation. On January 27<sup>th</sup>, a strong arctic air mass moved into the area. Light freezing rain and fog were fairly widespread across much of the area. Most areas received less than .05 inches while parts of the northern Permian basin received up to two tenths of an inch of liquid precipitation. Overall, most areas monthly rainfall was below seasonal averages, which allowed drought conditions to expand.**

**After receiving a trace of rainfall in December, Midland International Airport recorded a .04 of rainfall in January. The 0.02 inches on January 5<sup>th</sup> ended an 82 day stretch without measurable rainfall at the airport. As we start 2009, dry conditions continue and a dry pattern looks to continue for much of the month of February. Extended outlooks continue to indicate below normal precipitation through the next couple of months.**

**Precipitation amounts from area ASOS:**

City	ASOS ID	January	December
Carlsbad, NM	CNM	Trace	0.15 inches
Fort Stockton	FST	Trace	0.20 inches
Guadalupe Pass	GDP	0.01 inches	0.05 inches
Midland Int'l	MAF	0.04 inches	Trace
Odessa	ODO	0.02 inches	0.01 inches
Terrell County	6R6	0.00 inches	0.11 inches
Wink	INK	Trace	Trace

**Precipitation amounts from area AWOS:**

City	ASOS ID	January	December
Alpine	E38	0.00 inches	0.01 inches
Artesia, NM	ATS	0.00 inches	0.00 inches
Big Spring	BGP	0.01 inches	0.06 inches
Gaines County	GNC	0.01 inches	0.05 inches
Marfa	MRF	0.00 inches	0.10 inches
Midland Airpark	MDD	0.02 inches	0.05 inches
Pecos	PEQ	0.00 inches	0.00 inches
Snyder	SNK	0.19 inches	0.03 inches

**Average reservoir levels across the HSA averaged 40% of conservation capacity at the end of January.**

Reservoir (County, State)	January Conserv Cap (%)	December Conserv Cap (%)
JB Thomas (Scurry, TX)	8	8
Colorado City (Mitchell, TX)	69	70
Champion Creek (Mitchell, TX)	21	22
Natural Dam Salt Lake (Howard, TX)	49	49
Moss Creek (Howard, TX)	82	80
Brantley (Eddy, NM)	1	N/A
Avalon (Eddy, NM)	61	50
Red Bluff (Reeves, TX)	27	27

**Products Issued for December:**

Flash Flood Watches: 0  
Flash Flood Warnings: 0  
Flash Flood Statements: 0  
Flood Warnings: 10  
Flood Statements: 0  
Hydrologic Statements (RVSMAF): 29  
Drought Statements: 1  
Hydrologic Outlooks (ESFMAF): 0  
**Total Products Issued: 29**

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