

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH YEAR
January 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

February 12, 2007

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 new year began with some notable precipitation statistics. At KMAF, January 2007 was the tenth wettest January on record with 1.18 inches of measurable precipitation. The average for the month is 0.53 inches. A very active weather pattern over much of the CONUS helped to usher in the much needed precipitation over many locations within the HSA. This was especially evident in the latter half of the month when 14 out of 15 days had rainfall somewhere within the forecast area. In addition to the rainfall, several locations received measurable snow accumulations throughout the month. KMAF recorded 4 inches with an additional 3 days recording a Trace. One daily record was broken on January 17 when 1 inch of accumulated snow fell at KMAF breaking the old record of 0.6 inches in 1946. The increase in precipitation amounts was most notable across the southern portions of the forecast area. With the active pattern, several upper level disturbances were able to move to the south of the forecast area, bringing together the necessary ingredients for a wetter month. This looks to have helped relieve some of the short term complications of the current drought situation.

Additional precipitation amounts from ASOS/AWOS sites across the area for the month of December:

City	ASOS ID	Monthly Total	Departure from Last Month
Big Spring	BPG	0.63 inches	-0.07 inches
Carlsbad	CNM	0.89 inches	+0.33 inches
Fort Stockton	FST	1.68 inches	+1.25 inches
Odessa	ODO	1.03 inches	-0.47 inches
Snyder	SNK	0.55 inches	-0.58 inches
Dryden	6R6	2.16 inches	+1.74 inches
Wink	INK	1.07 inches	+0.18 inches

Reservoir levels across the Hydrologic Services Area averaged 46% of conservation capacity at the end of January compared to 42.14% at the end of December. Champion Creek remained the lowest at 12%, which continues to hold steady from December and Moss Creek jumped into first place with the highest with a capacity of 79%. **Three reservoirs** continued with a decent upwards trend with the increased precipitation amounts in January:

Reservoir (County, State)	December Conserv Cap (%)	January Conserv Cap (%)
JB Thomas (Scurry, TX)	16	15
Colorado City (Mitchell, TX)	77	76
Champion Creek (Mitchell, TX)	12	12
Moss Creek (Howard, TX)	74	79
Brantley (Eddy, NM)	46	55
Avalon (Eddy, NM)	34	48
Red Bluff (Reeves, TX)	36	37

Products Issued:

Flash Flood Watches: 0
Flash Flood Warnings: 0
Flash Flood Statements: 0
Flood Warnings: 0
 River Flood Warnings: 0
 Non-River: 0
Flood Statements: 0
 River Flood Statements: 0
 Non-River: 0
Hydrologic Statements (RVSMAF): 0
Drought Statements: 3

Total Products: 3

cc: mail: IBWC-ELP, IBWC-PRS, SWFED, USGS-CNM, USGS-SJT
cc: email: HIC, SRH, W/SR2, W/SR3, W/SR-ABQ, W/SR-ELP, W/SR-FWR, W/SR-LBB,
W/SR-MAF, W/SR-SJT, LCRA, TAMU, TCEQ, COE ABQ