

**WFO Midland, Texas**

**MONTHLY REPORT OF HYDROLOGIC CONDITIONS**

REPORT FOR:  
 MONTH            YEAR  
**March            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  
**April 14, 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.**

March 2007 ended the month in the history books going down as the second wettest March on record. Midland International Airport recorded 2.18 inches of rainfall which is 1.76 inches more than the normal 0.42 inches. The wettest March on record was in 1970 when the airport ended the month with 2.86 inches.

The month started off fairly dry and thoughts were that the rain was done for a while. Then near mid-month, the faucet switched on again bringing much needed rainfall across the region. During the last half of the month, there were only 7 days that did not have rainfall somewhere across the HSA as several strong upper level systems moved across the forecast area bringing abundant moisture with them.

Additional precipitation from area ASOS/AWOS:

City	ASOS ID	Monthly Total	Departure from Last Month
Big Spring	BPG	2.34 inches	+2.23 inches
Carlsbad	CNM	2.63 inches	+2.24 inches
Fort Stockton	FST	0.66 inches	+0.65 inches
Odessa	ODO	2.52 inches	+2.49 inches
Snyder	SNK	3.35 inches	+3.24 inches
Dryden	6R6	1.31 inches	+1.19 inches
Wink	INK	2.04 inches	+1.97 inches

Reservoir levels across the Hydrologic Services Area averaged 52% of conservation capacity at the end of March compared to 48% at the end of February. Champion Creek just barely remained the lowest at 13% with JB Thomas a close second with 14% conservation capacity. Brantley Reservoir near Carlsbad, NM jumped to 104% capacity with the significant rainfalls during the month. **Three reservoirs** continued the upwards trend through March with only two locations dropping slightly (Avalon's drop was likely due to water being held at Brantley):

Reservoir (County, State)	February Conserv Cap (%)	March Conserv Cap (%)
JB Thomas (Scurry, TX)	14	14
Colorado City (Mitchell, TX)	76	78
Champion Creek (Mitchell, TX)	12	13
Moss Creek (Howard, TX)	77	74
Brantley (Eddy, NM)	62	104
Avalon (Eddy, NM)	56	42
Red Bluff (Reeves, TX)	37	37

**Products Issued:**

Flash Flood Watches: 5  
Flash Flood Warnings: 17  
Flash Flood Statements: 28  
Flood Warnings: 3  
    River Flood Warnings: 0  
    Non-River: 3  
Flood Statements: 13  
    River Flood Statements: 1  
    Non-River: 20  
Hydrologic Statements (RVSMFAF): 9  
Drought Statements (ESFMAF): 4

**Total Products: 82**

cc: mail: IBWC-ELP, IBWC-PRS, ACE-FTW, 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