

**WFO Midland, Texas**

**MONTHLY REPORT OF HYDROLOGIC CONDITIONS**

REPORT FOR:  
 MONTH YEAR  
**April 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  
**June 16, 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.

Only 8 days in April saw rainfall somewhere across the Hydrologic Service Area (HSA), but that was enough to put KMAF nearly an inch above the normal amount for April. Midland International Airport finished the month with 1.63 inches of rainfall with the normal being 0.73 inches. That was only "0.34" inches short of finishing in the top ten for record precip amounts for April. While monthly amounts were not as impressive as March, they were still significant for most locations. And much of the activity occurred on the last two days of April with over 60 flood/hydro products issued on those two days (see below).

Additional precipitation from area ASOS/AWOS:

City	ASOS ID	Monthly Total	Departure from Last Month
Big Spring	BGP	1.82 inches	-0.52 inches
Carlsbad	CNM	0.64 inches	-1.99 inches
Fort Stockton	FST	2.46 inches	+1.80 inches
Odessa	ODO	1.81 inches	-0.71 inches
Snyder	SNK	1.76 inches	-1.59 inches
Dryden	6R6	0.37 inches	-0.94 inches
Wink	INK	1.05 inches	-0.99 inches

Reservoir levels across the HSA averaged 93% of conservation capacity due to a tremendous value for the month of April at Brantley Reservoir. This compares to 54% at the end of March. Lake JB Thomas dropped to the bottom of the list with 13% of conservation capacity with Champion Creek a close second with 14% conservation capacity. Brantley Reservoir near Carlsbad, NM made another huge jump to 420% capacity with the more significant rainfalls during the month. Only two reservoirs continued the upwards trend through April with the remaining locations only dropping slightly (Avalon's drop was likely remained due to water being held at Brantley):

Reservoir (County, State)	March Conserv Cap (%)	April Conserv Cap (%)
JB Thomas (Scurry, TX)	14	13
Colorado City (Mitchell, TX)	78	77
Champion Creek (Mitchell, TX)	13	14
Moss Creek (Howard, TX)	74	68
Brantley (Eddy, NM)	104	420 *
Avalon (Eddy, NM)	42	27
Red Bluff (Reeves, TX)	37	35

\*Cannot confirm this number

**Products Issued:**

Flash Flood Watches: 3  
Flash Flood Warnings: 16  
Flash Flood Statements: 17  
Flood Warnings: 6  
Flood Statements: 13  
Hydrologic Statements (RVSMFAF): 9  
Drought Statements (ESFMAF): 5

**Total Products: 69**

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