

WFO Midland, Texas

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH YEAR

May 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.

May was another wet month for the Midland Hydrologic Service Area (HSA), finishing 3rd in the top ten wettest Mays on record with 5.27 inches at Midland International Airport. Out of 31 days, 22 saw rain (many significant amounts) somewhere in the HSA. A couple of days were quite noteworthy across the northern Permian Basin.

On morning of May 2, a line of severe thunderstorms moved into the communities of West Odessa and Odessa producing flash flooding across a large portion of the area. Areas most affected by the flooding included locations in West Odessa east of Farm to Market Road 866. In Odessa, locations along and near Monahans Draw in the southern portions of the city, as well as areas just south of Odessa-Schlemeyer Field and just east of Andrews Highway in northern and central portions of Odessa were most affected by the flood waters. Preliminary numbers from the city of Odessa and the Red Cross indicate that 122 structures received damage from the storms. Two structures were destroyed, 15 sustained major damage, and 23 experienced minor damage, with many others affected by the large hail, severe winds gusts, and flooding

Then again, on May 8, Gaines County and the city of Seminole experienced a weather event similar to that of Ector County just 6 days prior. A squall line moved across the city with rainfall rates in the 2 to 2.5 inch per hour range which produced flash flooding. The areas hardest hit were located over the western portions of the city of Seminole in the park area where Wardswell Draw flows and also over the north and northeast sections of town. In these locations, heavy rains resulted in flooding of low lying areas. Two businesses and a handful of residential structures experienced minor flooding. Rainfall reports for the day were in the 3-5 inch range across much of the city of Seminole, with the Texas Tech Mesonet station reporting 3.38 inches of rainfall during the 24 hour period. The official rainfall amount for Gaines County for the month of May is 5.72 inches; however the West Texas Mesonet site located 2NNE of Seminole reported 8.55 inches for the month.

Additional precipitation from area ASOS/AWOS:

City	ASOS ID	Monthly Total	Departure from Last Month
Big Spring	BGP	3.06 inches	+1.24 inches
Carlsbad	CNM	3.23 inches	+2.59 inches
Fort Stockton	FST	3.78 inches	+1.32 inches
Odessa	ODO	6.19 inches	+4.38 inches
Snyder	SNK	1.73 inches	+1.36 inches
Dryden	6R6	2.43 inches	+0.70 inches
Wink	INK	3.88 inches	+2.83 inches

Reservoir levels across the HSA averaged 52% of conservation capacity. This compares to 93% at the end of April when Brantley Reservoir reported more than 400% of conservation capacity. Champion Creek was again the lowest percentage of conservation capacity but was up from previous months with 16%. Brantley Reservoir and Lake Colorado City were both the highest percentages with 84%. **Four reservoirs** took the upwards trend through May with the wet pattern over the area.

Reservoir (County, State)	April Conserv Cap (%)	May Conserv Cap (%)
JB Thomas (Scurry, TX)	13	17
Colorado City (Mitchell, TX)	77	84
Champion Creek (Mitchell, TX)	14	16
Moss Creek (Howard, TX)	68	81
Brantley (Eddy, NM)	420 *	84
Avalon (Eddy, NM)	27	22
Red Bluff (Reeves, TX)	35	35

*Cannot confirm this number

Products Issued:

Flash Flood Watches: 11
 Flash Flood Warnings: 29
 Flash Flood Statements: 33
 Flood Warnings: 2
 Flood Statements: 40
 Hydrologic Statements (RVSMAF): 16
 Drought Statements (ESFMAF): 3

Total Products: 134

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