

| | | | |
|---|---|---|---------------------|
| NWS FORM E-5 (11-88) (PRES. by NWS Instruction 10-924) | U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE | HYDROLOGIC SERVICE AREA (HSA) | |
| | | WFO Midland, Texas | |
| MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS | | REPORT FOR: | |
| | | MONTH March | YEAR 2006 |
| TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283 | | SIGNATURE Lora Mueller HSA Focal Point | |
| | | DATE April 8, 2006 | |

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)

There were no instances of river flooding in the MAF Hydrologic Service Area during the month of February.

While portions of the forecast area are still technically in a drought, March brought about some significant rainfalls for many locations. KMAF ended the month with 1.78 inches, which is 1.36 inches above the climate normal. There were several instances where locations throughout the area received rainfall, but a couple stand out more than others as the first flood/flash flood warnings were issued since October amidst the severe weather in the area. On both March 19 and March 28, three separate warnings were issued.

On the 19th, Lea and Eddy counties in New Mexico rainfall rates near 4 inches an hour were reported by trained weather spotters. This was due to a strong line of thunderstorms that moved through the area. This line remained intact as it exited New Mexico into Andrews County in Texas and prompted another Flash Flood Warning for western Andrews County. As the line continued to move east, it began to decrease in intensity and no other flood products were issued with this event.

On the 28th another round of severe weather affected the MAF forecast area. In addition to the two Flash Flood Warnings, a Flood Warning was issued (mistakenly-due to recent changes in menu options) for Pecos County due to a slow moving cell that was estimated to be producing 2 inches of rain per hour with additional activity forming behind the main cell. Nearly six hours later, a Flash Flood Warning was issued for Ector County as the activity continued to move east and form a line. Then 21 minutes later another Flash Flood Warning was issued for Western Midland County as many locations in those areas would likely experience quick flooding with the two inch per hour rainfall rate. As the line moved over the airport, 0.69 inches were received in 15-20 minutes leaving water standing in the WFO parking lot for a short amount of time.

Additionally, 8 different FLS products were issued during the month of March. One on the 17th for Northern Pecos County (Arroyo and Small Stream), 5 on the 18th for Ector, Crane, Midland, Upton, Howard, Martin, Glasscock, Reagan, Scurry, and Mitchell Counties (Urban and Small Stream), one on the 19th for Eddy County NM (Urban and Small Stream), and one on the 28th for Eastern Pecos County (Arroyo and Small Stream).

Here are additional monthly totals from some of the automated sites in the MAF CWA:

| | |
|----------------------|------|
| Odessa (KODO) | 1.80 |
| Midland (KMAF) | 1.78 |
| Carlsbad (KCNM) | 1.56 |
| Wink (KINK) | 1.46 |
| Fort Stockton (KFST) | 0.88 |
| Dryden (K6R6) | 0.05 |

Reservoir levels across the Hydrologic Services Area are averaging 53.86% of conservation capacity. Champion Creek is lowest at 14% and Lake Colorado City is highest at 89% with Brantley coming in with a close second with 88%. The overall flood threat continues to remain low.

Products Issued:

Flash Flood Warnings: 4

Flood Warnings: 1

Flood Statements: 8

Hydrologic Statements: 1

Drought Statements: 5

cc:mail: DOA, HIC, 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, /SR-LBB,
W/SR-MAF, W/SR-SJT