

NWS FORM E-5
(11-88)
(PRES. by WSOM E-41)

U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
NATIONAL WEATHER SERVICE

HYDROLOGIC SERVICE AREA (HSA)

Midland, Texas

MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS

REPORT FOR:

MONTH

YEAR

October

1998

TO: Hydrometeorological Information Center, W/OH2
NOAA / National Weather Service
1325 East West Highway, Room 7230
Silver Spring, MD 20910-3283

SIGNATURE

Steve Drillette

In Charge of HSA

DATE

11/17/98

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)

[X] No flood stages were reached in this HSA for the month above.

Scattered thunderstorms produced locally heavy rain along the Rio Grande above Presidio on the 21st, resulting in minor overbank flooding at the forecast point above Presidio (PIOT2). There is no official flood stage established at this location. However, at stages over 6.0 feet, water begins to reach the toe of the levees. The stage at PIOT2 crested briefly at 7.9 feet. Due to the potential damage to the levees, a river flood warning (FLW) was issued for that reach of the Rio Grande around Presidio. However, because of the short duration of the overbank conditions, no damage to the levees occurred. As the flood wave progressed downstream, bankfull or near bankfull conditions were experienced from the Presidio International Bridge (PRST2) downstream to and including Heath Canyon (HECT2...also known as La Linda).

Otherwise, flash flooding occurred in Terrell County on 10/5 as 3.5 inches of rain fell in approximately 6 hours when thunderstorms developed along a slow moving cold front. A strong upper level storm system in combination with abundant low level moisture resulted in severe thunderstorms and flash flooding across primarily the western areas of the CWA on the 27th. For the month...4 FFWs were issued, as well as numerous Small Stream Advisories (FFS's). The flash flooding disrupted travel along local highways and numerous secondary roads, but no significant damage was reported.

Despite the isolated incidences of flooding, the CWA received near normal precipitation for the month. The Midland International Airport continued its below normal trend. Officially, 1.30 inches was recorded for the month, which is 0.44 inches below normal. For the year, Midland has recorded 4.43 inches, which is 9.28 inches below normal and is currently the second driest year on record.

With recent and long-term precipitation totals below normal, reservoir levels across the region and in northern Mexico remain well below conservation levels and the flood threat remains low.

River products issued:

FLW...1

FLS...1

cc:mail: HIC W/SR2 WGRFC NWSFO LBB
cc: USGS USCE IBWC-ELP IBWC-Presidio