

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

**April**

**2001**

SIGNATURE

**J. DeBerry**

In Charge of HSA

DATE

**5/1/01**

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

*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 in April.**

The synoptic pattern changed to the summertime pseudo-monsoonal regime early this year, about April 21<sup>st</sup>. As a result, most locations reported below-normal precipitation for the month. However, there were a few thunderstorm events. Most were garden-variety cells, but a few severe events did occur.

On April 4<sup>th</sup>, severe storms developed over the South Plains and moved northeast out of the area. Severe storms developed over the South Plains again on the 10<sup>th</sup>, but no flooding was reported. On April 14<sup>th</sup>, severe storms developed over the lower Trans-Pecos, but the main threat from these were damaging winds and large hail. On the 16<sup>th</sup>-17<sup>th</sup>, severe storms developed over the eastern half of the HSA. Again, damaging winds and hail were the main threats (tennis ball-sized hail was reported in Big Spring in Howard County), but flash flooding was reported in northeastern Glasscock County and southeastern Howard County in the southeast Permian Basin. 2-3" of heavy rains resulted in flooded roads south of Big Spring and near Garden City. Finally, on the last evening of the month, non-severe thunderstorms produced heavy rains over the northern Permian Basin, flooding arroyos and small streams.

Some locations in the HSA that received notable amounts of precipitation were:

Valentine, Jeff Davis County	0.92"
Mount Locke, Jeff Davis County	0.95"
Big Spring, Howard County	0.98"
Cope Ranch, Reagan County	2.45" (All but 2 trace events from storms on the 16 <sup>th</sup> )

The average of all stations reporting was 0.34".

Midland International Airport received a trace of precipitation for the month. Normal for the month of April is 0.73". The total for the year was 2.71", or 0.45" above average. Long-range forecasts continue to call for near-normal precipitation through July.

Short-term drought conditions remain near normal throughout west Texas/southeast New Mexico, with the exception of the northern Permian Basin and the Southern Plains of Texas, which were classified by the Long-Term Palmer Drought Index as being in an unusually moist spell. With respect to long-term drought, conditions range from severe in the eastern Permian Basin to abnormally dry along the Rio Grande.

Reservoir levels across the HSA, with the exception of Brantley Lake, New Mexico, remain below conservation levels, and the flood threat remains low.

River products issued:

RVS = 0 FLS = 0 FLW = 0

cc:mail: DOA IBWC-ELP IBWC-PRS SWFED USGS-CNM USGS-SJT

cc:email: HIC W/SR2 W/SR3 W/SR-ABQ W/SR-ELP W/SR-FWR W/SR-LBB W/SR-MAF W/SR-SJT