

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

February

YEAR

2001

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

SIGNATURE

J. DeBerry/Dan Koch

In Charge of HSA

DATE

3/1/01

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 February.

No flooding was reported during the month of February across West Texas/Southeast New Mexico.

In February, the synoptic pattern was generous to the HSA, transitioning early to the spring convective season. As the subtropical jet moved north...Southeast New Mexico/West Texas were the foci of several storms...and most forms of precipitation were observed.

The most significant storms occurred on February 8th, when a cold front collided with the dryline, producing a squall line that spawned supercell thunderstorms. This activity started first in Southeast New Mexico, then moved into West Texas as the evening progressed. The main threats were wind and hail, but heavy rains were also observed. Several roads in the South Plains were flooded as a result.

Severe storms developed again on the 24th, but no flooding was reported.

Notable were the last couple of days of February, when convective storms swept through the area...producing freezing rain followed by small hail. Again, no flooding was observed.

Drought conditions remain near normal throughout most of West Texas/Southeast New Mexico...the only exception being the South Plains and areas east of Midland. The Palmer Drought Index as of March 1st depicts these locations as being in an unusually moist spell.

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

Colorado City, Mitchell County	1.77"
Knapp 2 SW, Scurry County	1.79"
Lenorah, Martin County	1.92"
Snyder, Scurry County	2.24"

The HSA average was 0.63".

Midland International Airport received a total of 1.24" of liquid water equivalent precipitation for the month. Normal for the month of February is 0.58". The yearly total as of March 1st is 1.93", or 0.82" above normal. Long-range forecasts continue to call for near-normal precipitation through May.

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