

NWS FORM E-5  
(7-78)  
(PRES. by WSOM E-41)

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

RIVER DISTRICT OFFICE

WSFO Lubbock, Texas

**MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS**

REPORT FOR:

MONTH

July

YEAR

1993

SIGNATURE

John W. Lipe

In Charge of River District

DATE

August 9, 1993

TO: Hydrologic Services Division, W22  
National Weather Service  
National Oceanic and Atmospheric Administration  
Silver Spring, Maryland 20910

*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)*

\_\_ No flood stages were reached in this river district for the month indicated above.

Minor flooding occurred on the Rio Grande River in southwest Texas from southeast of Presidio to near Lajitas July 1 and again July 3. No significant damage was reported with this flooding.

Thunderstorms developed on June 30 around 830 PM CDT between Marfa and Presidio. These storms persisted into the early morning hours of July 1. A rainfall amount of five (5.00) inches was reported 15 miles south of Marfa while 2.62 inches were reported at Presidio with these storms.

The runoff from the heavy rainfall caused all of the arroyos in the Presidio area to flow. During the morning of July 1 the Alamito Creek discharge was estimated at 4,000 cfs, La Zanja, Mexico was estimated at 2,000 cfs and Cibolo Creek was 850 cfs. The caused the Rio Grande 5 miles southeast of Presidio (PRDT2) to rise above flood stage during the early morning hours of July 1. The river remained above flood stage until around midnight (July 1 - July 2).

The river at Presidio 5SE remained near or above bankfull through July 2. More thunderstorms occurred, mainly over the Rio Conchos watershed of Mexico, during the evening hours of July 2 and early morning hours of July 3. This rainfall was enough to cause the Rio Grande at Presidio 5SE to rise above flood stage for a short period of time during the morning of July 3. After this time the river slowly decreased.

Significant flash flooding occurred in Collingsworth County in the Texas Panhandle from the evening of July 6 into the morning hours of July 7. This flooding was caused by extremely heavy rainfall from thunderstorms that were stationary over Collingsworth County from 500 PM CDT July 6 to around 300 AM July 7. Reports indicated that eight to ten (8-10) inches of rain fell during this period. The heavy rain caused many of the creeks in the Wellington area to flood which caused damage to bridge ends in many locations. The water was also responsible for closing many farm to market roads and for washing out part of FM 338 about one mile east of Wellington. Many crops were also flooded. The total damage estimate from these storms due to flooding was \$8 million

CC: W/SR2, RFC FTW, IBWC EL PASO, RFC TUL, USGS, IBWC PRESIDIO,  
USCE, LBB WSOS (MAF/ELP/SJT/AMA)