

**MONTHLY REPORT OF HYDROLOGIC CONDITIONS**

REPORT FOR:  
MONTH                      YEAR  
**FEBRUARY                      2008**

TO: Hydrologic Information Center, W/OS31  
NOAA's National Weather Service  
1325 East West Highway  
Silver Spring, MD 20910-3283

SIGNATURE  
**PAUL S. TROTTER, MIC**  
DATE  
**MARCH 15, 2008**

*When no flooding occurs, include miscellaneous river conditions below the small box, such as significant rises, record low stages, ice conditions, snow cover, droughts, and hydrologic products issued (NWS Instruction 10-924).*

An X inside this box indicates that no flooding occurred within this hydrologic service area.

**...FLOODING DEVELOPED WITH HEAVY RAINS OVER MISSISSIPPI AND LOUISIANA...**

*(Corrections in italics)*

After heavy rains on February 1<sup>st</sup>, fair weather developed over southeastern Louisiana and southern Mississippi. Stormy weather during the week of February 4<sup>th</sup> produced areal rainfall amounts of less than 0.40 inch.

Severe weather rocked southeastern Louisiana and southern Mississippi during the week of February 11<sup>th</sup>. Isolated downpours occurred, mainly across east-central Louisiana. Clinton measured 3.31 inches; Liverpool had 3.85 inches; and Oaknolia had 4.10 inches. Areal rainfall amounts ranged from 1.0 to 1.4 inches.

Periods of severe weather and heavy rains returned during the week of February 18<sup>th</sup>. By February 23<sup>rd</sup>, high pressure controlled weather patterns over southeastern Louisiana and southern Mississippi. Fair weather persisted through the month's end. Areal rainfall amounts during the week of February 18<sup>th</sup> ranged from near 1.0 inch to over 2.6 inches in southeast Louisiana. Light rain fell during the last days of February, mainly over east-central Louisiana. Areal rain totals were less than 0.20 inch area-wide.

**Flooding**

January's heavy rains produced minor flooding developed in Louisiana on the Tchefuncte River near Covington. Flooding also developed on the Bogue Falaya River in Covington at the Girl Scout Camp and downtown at Boston Street. As the storm system moved east, flooding developed in Mississippi on the West Hobolochitto Creek near McNeil, on the East Hobolochitto Creek near Caesar, and on the Wolf River near Gulfport. By February 2<sup>nd</sup>, the flooding had ended at all locations in Louisiana and Mississippi.

In the heavy rains around February 22<sup>nd</sup>, flooding developed on the Atchafalaya River near Morgan City and on the Lower Pearl River near Bogalusa and Pearl River. These floods continued into March.

Monthly Reports by Agricultural Region	Areal Average	Departure from Normal
Southwest/South Central Mississippi (4 Sites)	4.62	-1.14
Coastal Mississippi	3.61	-2.15
East Central Louisiana	4.10	-1.41
Southeast Louisiana	4.55	-0.51
<i>South Central Louisiana (5 Sites)</i>	<i>3.09</i>	<i>-1.94</i>

**Drought**

Normal soil moisture conditions returned over southeastern Louisiana, southwestern and coastal Mississippi by January 29<sup>th</sup> and persisted during February.