

**MONTHLY REPORT OF HYDROLOGIC CONDITIONS**

REPORT FOR:  
MONTH YEAR  
FEBRUARY 2009

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

SIGNATURE  
KENNETH GRAHAM, MIC  
DATE  
MARCH 15, 2009

*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.

**...DROUGHT EXPANDED IN FEBRUARY...**

The month started with a cold front that produced rainfall across southwestern Mississippi, coastal Mississippi and southeastern Louisiana on February 2<sup>nd</sup>. After a period of fair weather, return flow from the Gulf of Mexico brought sultry weather over the region during the week of February 9<sup>th</sup>. By late February 10<sup>th</sup>, a cold front had produced significant rainfall over the region. Heavy rains and severe thunderstorms occurred again on February 13<sup>th</sup>, when a front became near-stationary along the Louisiana coast. This system produced accumulations of over 3.00 inches at a few locations.

Periods of high pressure with cold, dry conditions alternated with stormy weather during the remainder of the month. Significant rainfall developed when a cold front crossed the region on February 18<sup>th</sup> and when another front crossed the region on February 22<sup>nd</sup>.

**Flooding...**

Minor flooding developed along the Lower Pearl River at Bogalusa on February 17<sup>th</sup> and ended on February 19<sup>th</sup>.

Monthly Reports by Agricultural Region	Areal Average	Departure from Normal
Central Louisiana (3 Sites)	1.85	-3.49
East Central Louisiana	1.85	-3.47
South Central Louisiana (6 Sites)	2.08	-2.74
Southeast Louisiana	3.27	-1.61

**Extreme Rainfall for the Month (Inches and Departure from Normal)**

Boothville, LA	8.04	+3.89	New Orleans Lakefront, LA	4.91
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**Drought...**

At the start of February, soil conditions were normal over southwestern Mississippi and abnormally dry (D0) soil conditions covered most of southeastern Louisiana and coastal Mississippi. Moderate drought (D1) was established over the Atchafalaya River Basin, Terrebonne Parish, and Lafourche Parish. By February 10<sup>th</sup>, moderate drought (D1) covered most of southeastern Louisiana and coastal Mississippi. Soil conditions remained normal over southwestern Mississippi. Around February 17<sup>th</sup>, soil moisture improved; conditions were normal from Washington Parish west to the Mississippi River. Abnormally dry (D1) conditions spanned the Florida Parishes to just west of Baton Rouge, while moderate drought (D1) persisted over the lower Louisiana parishes. By the end of February, the drought had significantly worsened. Abnormally dry (D0) conditions had spread into southwestern Mississippi and moderate drought (D1) became established over most other areas.