

## MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

**MARCH**

YEAR

**2013**

SIGNATURE

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DATE

**APRIL 15, 2013**

TO: Hydrometeorological Information Center, W/OH2  
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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)



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

*...Relatively Cold and Arid Weather Descended upon Southeastern Louisiana and Southern Mississippi...*

High pressure dominated the weather over southeastern Louisiana and southern Mississippi through March 3<sup>rd</sup>. During the weather week that ended March 10<sup>th</sup>, light rainfall developed as two cold fronts crossed the region. Areal average rainfall totals were less than 0.10 inch, well below seasonal normal rainfall.

The front that pushed into the region on March 10<sup>th</sup> produced heavier rainfall by March 12<sup>th</sup>. The greatest totals occurred over east-central and south-central Louisiana, as well as southern Mississippi. Fair weather returned in time for St. Patrick's Day. Areal average rainfall totals for the week ending March 17<sup>th</sup> ranged from 0.35 inch over southeast Louisiana to 1.03 inches across east-central Louisiana. Heavier amounts occurred over southern Mississippi.

Scattered rain developed again when a front crossed region through March 23<sup>rd</sup>. For the weather week ending March 24<sup>th</sup>, areal average rainfall totals were less than 0.10 inch across Louisiana. Heavier rain occurred across southern Mississippi. After a cold, dry period, severe weather and heavy rainfall developed by March 30<sup>th</sup>. Rainfall totals averaged 0.25 inch or less across southeastern Louisiana and southern Mississippi, as the month ended.

### Flooding...

During mid-February, minor flooding developed at Bogalusa and Pearl River on the Lower Pearl River. The flooding reached moderate levels before ending by March 11<sup>th</sup>. On March 13<sup>th</sup>, flooding redeveloped on the Lower Pearl River at Bogalusa; flooding started on March 16<sup>th</sup> at Pearl River. All flooding ended along the Lower Pearl River on March 25<sup>th</sup>.

Flood waters briefly receded on the Pascagoula River at Grahams Ferry on February 23<sup>rd</sup> and then redeveloped on February 24<sup>th</sup>. All flooding ended at Grahams Ferry on March 3<sup>rd</sup>.

### Monthly Reports by Agricultural Region

	Areal Average	Departure from Normal
Southwest Mississippi (2 Sites)	N/A	N/A
South Central Mississippi (1 Site)	1.95	-3.87
Coastal Mississippi	0.77	-4.97
Central Louisiana (2 Sites)	1.67	-3.50
East Central Louisiana	1.34	-4.70
South Central Louisiana (6 Sites)	0.84	-4.14
Southeast Louisiana	0.55	-4.99

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

Baton Rouge (BTR), LA	2.91	-2.16	Gloster, MS	2.76
Butte La Rose, LA	2.82		Port Allen, LA	2.64
St. Francisville, LA	2.80	-2.45	Oaknolia, LA	2.45
				-3.30

### Drought...

Throughout March, a very small region of abnormally dry (D0) soil conditions persisted over extreme southeast Louisiana, especially over Plaquemines Parish. All other agricultural districts had normal soil moisture contents.