NWS FORM E-5 (11-88) **(PRES. by NWS Instruction 10-924)** **U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE**	HYDROLOGIC SERVICE AREA (HSA) **NEW ORLEANS/BATON ROUGE, LA**
MONTHLY REPORT OF HYDROLOGIC CONDITIONS	REPORT FOR: MONTH **MARCH** YEAR **2013**
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283	SIGNATURE KENNETH GRAHAM METEOROLOGIST-IN-CHARGE DATE **APRIL 15, 2013**

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 3rd. During the weather week that ended March 10th, 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 10th produced heavier rainfall by March 12th. 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 17th 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 23rd. For the weather week ending March 24th, 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 30th. 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 11th. On March 13th, flooding redeveloped on the Lower Pearl River at Bogalusa; flooding started on March 16th at Pearl River. All flooding ended along the Lower Pearl River on March 25th.

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

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	-2.56
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.