

<b>NWS FORM E-5</b> (11-88) (PRES. by NWS Instruction 10-924)	<b>U.S. DEPARTMENT OF COMMERCE</b> <b>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION</b> <b>NATIONAL WEATHER SERVICE</b>	HYDROLOGIC SERVICE AREA (HSA)	
		<b>NEW ORLEANS/BATON ROUGE, LA</b>	
<b>MONTHLY REPORT OF HYDROLOGIC CONDITIONS</b> <b>E</b>		REPORT FOR:	YEAR
		MONTH <b>NOVEMBER</b>	<b>2015</b>
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 <b>DECEMBER 15, 2015</b>	

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.

*... Periods of Heavy Rain Induced Flooding over Southeastern Louisiana and Southern Mississippi ...*

A cold front crossed southern Louisiana and Mississippi early in November and then stalled along the Gulf Coast before shifting back north. Severe weather and heavy rainfall occurred over southeastern Louisiana and coastal Mississippi on November 1<sup>st</sup> through 3<sup>rd</sup>. Several locations measured over 2 inches.

After a brief period of fair weather, another frontal boundary impacted the area starting November 6<sup>th</sup>. Widespread storms resulted in weekly totals of 4.54 inches at Boothville, LA; 4.51 inches at Galliano, LA; and 4.0 inches at Covent, LA. At the end of the weather week on November 8<sup>th</sup>, several locations had measured totals over 2.0 inches. For the week, areal rainfall averages ranged up to 2.77 inches over southeastern Louisiana and coastal Mississippi.

High pressure dominated the weather until November 11<sup>th</sup> and 12<sup>th</sup>. A progressive cold front produced modest rainfall amounts over the region, with areal average totals around 0.15 inch or less.

By November 18<sup>th</sup>, a strong frontal boundary pushed across the region, followed by a second cold front on November 21<sup>st</sup>. Heavy rainfall developed through the week, with widespread rain totals over 2.0 inches recorded. In Louisiana, locally heavier totals of 5.00 inches occurred at Norwood; 4.24 inches fell at Bayou Sorrel Lock; 4.13 inches occurred at Baton Rouge/Concord; and 4.06 inches at Baton Rouge International Airport (BTR). Areal average rainfall totals ranged from 2.0 inches up to 3.24 inches. The greatest totals were measured over east-central Louisiana.

Over the last days of November, high pressure dominated the weather. Scattered showers developed by November 28<sup>th</sup>, as a slow-moving front crossed the region. Areal average rainfall totals were less than 0.1 inch. area-wide.

**Flooding...**

Minor flooding from late-October continued on the Amite River at French Settlement, LA until November 1<sup>st</sup>. Minor flood conditions developed at Robert, LA on the Tangipahoa River over the first four days of November.

By November 19<sup>th</sup>, minor floods had developed in Louisiana on the Comite River near Joor Road; on the Tangipahoa River at Robert; on the Amite River near Denham Springs; and on the Tchefuncte River at Covington. In Mississippi, minor floods developed on the West Hobolochitto Creek at McNeill and on the East Hobolochitto Creek at Caesar. By the end of November, minor flooding had commenced on the Lower Pearl River at Pearl River and Bogalusa in Louisiana. Flooding ended at all locations by November 27<sup>th</sup>.

Monthly Reports by Agricultural Region	Areal Average	Departure from Normal
Southwest Mississippi (2 Site)	8.48	N/A
South Central Mississippi (1 Site)	4.13	- 0.25
Coastal Mississippi	5.89	+ 1.16
Central Louisiana (2 Sites)	7.46	+ 3.20
East Central Louisiana	8.09	+ 3.88
South Central Louisiana (5 Sites)	9.52	+ 5.22
Southeast Louisiana	7.37	+ 3.40

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

Napoleonville, LA	12.42	Ponchatoula, LA	10.44	+ 5.94	
Norwood, LA	11.92	LSU Ben Hur Farm, LA	10.38	+ 6.20	
Gonzales, LA	11.74	+ 7.27	Bayou Sorrel Lock, LA	10.26	+ 6.03
Baker, LA	10.69	+ 6.43	St. Francisville, LA	10.02	+ 5.44

**Drought...**

Soil moisture contents were at normal levels across the entire region in November.

***Along with other information sources, data and reports are routinely mined from the following:***

*NOAA National Weather Service*

*NOAA Southern Regional Climate Center*

*Louisiana Office of State Climatology*

*Mississippi Office of State Climatology*

*Harrison County Emergency Management Agency*

*United States Geological Survey*

*United States Army Corps of Engineers*

*St. Tammany Parish Office of Engineering*

*USDA/National Drought Mitigation Center*

*Mississippi and Louisiana CoCoRaHS*