

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 MAY	YEAR 2015
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 JUNE 15, 2015	

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.

...High Pressure over the Region Early in May before Bouts of Severe Weather and Copious Rains...

High pressure became established across southeastern Louisiana and southern Mississippi at the start of May. Spotty rainfall developed during the weather week of May 4th through 10th, as southerly winds pushed moisture north from the Gulf of Mexico. Areal rainfall totals through May 10th were generally less than 0.1 inch.

Severe weather developed across the region during the week that ended May 17th. Localized heavy rainfall occurred with the storm system. Many locations measured over 2 inches of rain. The greatest amount was 7.42 inches at Saucier, MS on May 16th. During the period in Louisiana, 5.97 inches fell at Sun and 6.68 inches was measured at Talisheek. Areal rainfall totals for the weather week ranged from 1.0 inch to around 2 inches.

The second half of May 2015 was marked by bouts of severe weather and heavy rainfall across southern Mississippi and southeastern Louisiana. For the weather week of May 18th through 24th, areal rainfall totals ranged from around 0.7 inch over parts of central Louisiana to near 1.25 inches over extreme southeast Louisiana.

An extremely dynamic weather pattern became established across the Lower Mississippi River Valley after May 25th. Widespread rainfall produced totals over 3 inches at many locations across the region. The greatest rainfall amounts were 7.70 inches at Baton Rouge Airport (BTR); 5.96 inches at Oaknolia, LA; 4.73 inches at Norwood, LA; and 4.65 inches at New Orleans Lakefront Airport (NEW). Areal rainfall totals generally ranged from 2.3 to 3.4 inches.

Flooding...

Due to the heavy rainfall over the region in late in March and during April, flooding developed on the Mississippi River at Red River Landing first and then at Baton Rouge. With contributions from the Upper and Middle Mississippi River and the Ohio River. Minor flooding continued at Baton Rouge until May 6th; minor flooding ended at Red River Landing on May 11th.

By late-April, heavy rainfall caused minor flooding on the Lower Pearl River at Pearl River. The flooding ceased on May 1st.

The repeated copious rainfall events during mid-May and late-May produced moderate flooding on the West Hobolochitto Creek at McNeill, MS; on the East Hobolochitto Creek at Caesar, MS; and on the Biloxi River at Wortham, MS. Minor flooding developed at Gulfport, MS on the Wolf River; at Lyman, MS on the Biloxi River; on the Tchoutacabouffa River near D'Iberville, MS. In Louisiana flooding developed on the Bogue Falaya River at Camp Covington and at Boston Street in downtown Covington. By May 27th, all flooding had ended across southeastern Louisiana and southern Mississippi.

Monthly Reports by Agricultural Region	Areal Average	Departure from Normal
Southwest Mississippi (2 Sites)	N/A	N/A
South Central Mississippi (1 Site)	7.45	+2.96
Coastal Mississippi	6.18	+1.28
Central Louisiana (2 Sites)	6.34	+1.16
East Central Louisiana	5.84	+0.22
South Central Louisiana (5 Sites)	6.79	+1.89
Southeast Louisiana	4.85	-0.28

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

Saucier, MS	14.84	+9.33	Mount Hermon, LA	9.92	
Sun, LA	11.93		Oaknolia, LA	9.77	+4.31
Liberty, MS	11.85		Livingston, LA	9.74	+4.55
Talisheek, LA	11.77		Napoleonville, LA	9.28	+3.71
Baton Rouge (BTR), LA	11.17	+5.83	Lutcher, LA	9.19	

Drought...

Soil moisture contents were at normal levels for southern Mississippi and southeastern Louisiana.

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

<i>NOAA National Weather Service</i>	<i>United States Geological Survey</i>
<i>NOAA Southern Regional Climate Center</i>	<i>United States Army Corps of Engineers</i>
<i>Louisiana Office of State Climatology</i>	<i>St. Tammany Parish Office of Engineering</i>
<i>Mississippi Office of State Climatology</i>	<i>USDA/National Drought Mitigation Center</i>
<i>Harrison County Emergency Management Agency</i>	<i>Mississippi and Louisiana CoCoRaHS</i>