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: **JUNE** YEAR: **2014**
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 **JULY 15, 2014**

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.**

…Typical Summer Weather Produced Strong Thunderstorms in June…

Typical summer convection developed across southeastern Louisiana and southern Mississippi throughout June. On the first day of the month, isolated rain amounts of over 1 inch occurred, as the remnants of the late-May weather system exited the region. The heaviest rainfall occurred over east-central and extreme southeast Louisiana, along with coastal Mississippi. Galliano, LA measured 4.25 inches and Saucier, MS recorded 3.50 inches on June 1st.

Significant rains occurred the following week, as a cold front pushed south and induced scattered thunderstorms. Areal-average rain amounts ranged from 0.25 to 0.75 inch, as the weather week ended on June 8th.

From June 9th through June 15th, as a series of strong weather systems produced turbulent weather region-wide. Severe thunderstorms, with locally heavy rainfall, developed on June 9th and 10th. More downpours occurred from June 11th through 14th, when a frontal boundary stalled over Louisiana and Mississippi. Widespread rain amounts over 3.0 inches were reported. The greatest rainfall totals for the week (in inches) were: Slidell, LA (4.82); Baton Rouge, LA (4.81); Port Allen, LA (4.78); and Livingston, LA (4.71). By June 15th, the widespread storms yielded areal-average rain totals that ranged from 1.25 inches over extreme southeast Louisiana up to 3.45 inches over east-central Louisiana.

Scattered convection produced typical, Southern, summer weather starting June 16th. Isolated rain totals over 1 inch occurred over east-central and extreme southeast Louisiana. Otherwise, areal-average rain totals for the week were generally 0.5 to 1 inch over southeastern Louisiana and less than 0.1 inch over southern Mississippi.

A strong cold front, unstable air, and abundant moisture combined to produce bouts of wind damage, tornadoes, flash floods and copious rainfall over southeastern Louisiana and southern Mississippi over the last days of June. Widespread rain totals over 1 inch occurred. Local rain amounts over 4.0 were reported over east-central and extreme southeast Louisiana. The greatest rainfall totals for the week (in inches) were: Port Allen, LA (6.47); Baton Rouge, LA (5.45); and New Orleans (MSY), LA (5.15). For the weather week that ended June 29th, areal-average rain amounts ranged from 2.70 inches to 2.98 inches in Louisiana, while amounts were generally 1 to 2 inches across southern Mississippi.

Floods…

Late-May downpours caused rises on the rivers and streams across southeastern Louisiana and southern Mississippi. In Louisiana, flooding continued into June on the Tchefuncte River at Covington and at Folsom; on the Bogue Falaya River at Camp Covington Girl Scout Camp and in downtown Covington at Boston Street; and on the Tangipahoa River at Robert. In Mississippi, the Wolf River was above flood stage near Gulfport and the Biloxi River was above the flood stage at Lyman at the start of June. All flooding ended by June 4th.

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

Port Allen, LA	11.75	+4.84	St. Gabriel, LA	9.76	+2.63
Baton Rouge/Concord, LA	11.36	+4.95	Abita Springs Fire Tower, LA	9.42	+2.74
Abita Springs, LA	10.58	+4.11	Bayou Sorrel Lock, LA	9.07	+2.41
Mount Hermon, LA	10.55	+5.22	Galliano, LA	8.89	+1.65

Monthly Reports by Agricultural Region	Areal Average	Departure from Normal
Southwest Mississippi (1 Site)	N/A	N/A
South Central Mississippi (1 Site)	5.01	-0.24
Coastal Mississippi	6.28	+0.03
Central Louisiana (2 Sites)	8.94	+2.66
East Central Louisiana	7.73	+1.61
South Central Louisiana (6 Sites)	8.03	+1.17
Southeast Louisiana	6.42	- 0.81

Drought…

Soil moisture contents were at normal levels across southeastern Louisiana, southwestern Mississippi and coastal Mississippi throughout the month of June.