

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:	YEAR
		MONTH AUGUST	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 SEPTEMBER 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 Dominated over Louisiana and Mississippi until the Last Days of August...

Southeastern Louisiana and southern Mississippi enjoyed relatively dry weather at the onset of August. Isolated storms produced spotty rainfall over most areas, though lesser amounts fell over extreme southeast Louisiana and coastal Mississippi. Areal-average totals for the first days of August ranged from 0.04 inch over extreme southeast Louisiana up to 0.65 inch over parts of south-central Louisiana.

Storms developed as a low pressure area lingered along the Louisiana coast on August 4th. Clinton, LA measured 2.95 inches; Talisheek, LA recorded 2.81 inches; Covington/Abita River, LA measured 2.53 inches; and Ocean Springs, MS had 1.35 inches on August 4th alone. By the week's end, severe weather and rain amounts of 1 to 2 inches developed again over the Florida Parishes and coastal Mississippi. Through August 10th, areal-average totals ranged from 1.13 inches over east-central Louisiana to 1.78 inches across coastal Mississippi. Most other areas averaged less than 0.5 inch.

A fourth, strong cold front of the summer moved across the region from August 11th through 13th. Severe weather and heavy rainfall occurred, primarily over Louisiana. Although rain totals averaged less than 0.1 inch over coastal Mississippi, areal-average rain totals ranged from 0.6 inch to near 1.0 inch over southeastern Louisiana by August 17th.

Typical, summer storms produced isolated rainfall amounts over 2 inches by August 24th. Most locations measured less than 0.5 inch for the week. Areal-average rain totals ranged from around 0.25 inch up to 0.83 over southeastern Louisiana, while southern Mississippi generally had less than 0.1 inch.

Weak, tropical disturbances emerged from the Gulf of Mexico and triggered thunderstorms across the Gulf South on August 25th and 26th and again from August 29th through 31st. The month's heaviest rainfall occurred during this week. Many locations reported accumulations over 4 inches by August 31st. Areal-average rain totals ranged from around 0.75 inch over coastal Mississippi up to 3.33 inches over parts of southeastern Louisiana.

Monthly Reports by Agricultural Region	Areal Average	Departure from Normal
Southwest Mississippi	N/A	N/A
South Central Mississippi (1 Site)	2.33	-3.03
Coastal Mississippi	3.32	-2.87
Central Louisiana (2 Sites)	4.31	-1.02
East Central Louisiana	5.28	-0.49
South Central Louisiana (6 Sites)	5.23	-0.06
Southeast Louisiana	3.86	-2.81

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

Denham Springs, LA	7.82	+1.27	LSU Ben Hur Farm, LA	7.36	+2.00
Plaquemine, LA	7.57	+2.64	Bayou Sorrel Lock, LA	6.96	+1.31

Drought...

Soil moisture contents were at normal levels across southeastern Louisiana and southern Mississippi during August.