

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:

MONTH

YEAR

NOVEMBER

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

DECEMBER 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.

...Below Normal Rainfall Persisted Across Southeastern Louisiana and Southern Mississippi ...

November started with dry weather and ended with dry weather. As a weak front moved across the region, spotty rain developed over southeastern Louisiana on November 6th. Isolated totals around 0.2 inch occurred over east-central Louisiana. Little to no rain fell over southern Mississippi. Areal-average rain totals for the weather week ending November 9th were less than 0.1 inch.

A strong cold front crossed southeastern Louisiana, southwestern Mississippi and coastal Mississippi during mid-November. Widespread convection occurred on November 12th and 13th. More stormy weather developed on November 16th, when a strong area of low pressure developed and moved across the Gulf of Mexico. The heaviest rains fell over central and east-central Louisiana. By November 16th, areal-average rain totals ranged from around 0.25 to 0.75 inch.

Drought conditions began to ease over the western-most parishes, as the area of low pressure over the Gulf of Mexico induced more convection. Many areas reported rain totals of over 2.0 inches for the week. The heaviest rains occurred over central, south-central, and east-central Louisiana, along with southwest Mississippi. By November 23rd, Port Allen had measured 4.37 inches; Denham Springs measured 3.2 inches; and Baton Rouge/Sherwood reported 3.16 inches. Areal-average rain totals ranged from 0.64 inch over extreme southeast Louisiana up to 1.89 inches over east-central Louisiana. For that part of central Louisiana included in this region, the areal-average rain total was 3.02 inches.

Spotty, light rain developed when a weak front moved across the region on November 24th. Isolated rain totals over a quarter inch were measured over east-central Louisiana. Areal-average rain totals were less than 0.1 inch for the week.

Monthly Reports by Agricultural Region

	Areal Average	Departure from Normal
Southwest Mississippi	N/A	N/A
South Central Mississippi (1 Site)	2.46	-1.92
Coastal Mississippi	1.97	-2.78
Central Louisiana (2 Sites)	3.85	-0.42
East Central Louisiana	2.37	-1.95
South Central Louisiana (6 Sites)	2.21	-2.04
Southeast Louisiana	1.31	-2.72

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

Port Allen, LA	4.55	0.23	Baton Rouge (BTR), LA	3.50	-0.60
Denham Springs, LA	3.55	-0.63	LSU Ben Hur Farm, LA	3.49	-0.69
Baton Rouge/Sherwood, LA	3.51	-0.93	New Roads, LA	3.15	-1.07

Drought...

Drought conditions became worse early in November. By November 4th, Moderate Drought (D1) conditions had spread over most of coastal Mississippi and parts Washington and St. Tammany Parishes. Abnormally Dry (D0) levels persisted

over much of the remainder of southeastern Louisiana, along with Walthall and Pike Counties in southwestern Mississippi. Normal soil moisture conditions persisted only for Wilkinson and Amite Counties, along with most of West Feliciana, and Pointe Coupee Parishes.

By November 11th, soil moisture contents had deteriorated to D0 levels over Amite County of Mississippi, as D1 levels spread into Walthall County. After the copious rains that occurred during mid-November, drought conditions eased over Iberville, East Feliciana, East Baton Rouge, West Baton Rouge, St. Helena, and Livingston Parishes. Soil moisture contents were below seasonal normal levels for most areas through the remainder of November.