

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
		REPORT FOR: MONTH YEAR NOVEMBER 2007
MONTHLY REPORT OF HYDROLOGIC CONDITIONS		SIGNATURE PAUL S. TROTTER, METEOROLOGIST-IN-
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 CHARGE Silver Spring, MD 20910-3283		DATE DECEMBER 15, 2007

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 for Southeastern Louisiana and Southern Mississippi in November...

Although a series of cold fronts pushed into southern Mississippi and southeastern Louisiana during the first three weeks of November, high pressure generally dominated the weather. At the isolated locations where rain fell during the first week, amounts were less than 0.05 inch and areal rain averaged at zero. During the second week, rain totals were 0.25 inch or less, with areal average rain amounts of less than 0.10 inch. Isolated thunderstorms during the week of November 12th through 17th produced areal rain totals that averaged near 0.10 inch or less.

Dynamic weather developed during the latter part of November. By November 21st, a strong cold front helped focus thunderstorm development and produced heavy rain across the region. The front stalled in the Gulf of Mexico and focused more thunderstorms on November 24th and 25th. Areal rainfall for the week ranged from around 0.95 inch over coastal Mississippi and east-central Louisiana to less than 0.25 inch over southeast Louisiana.

As the month ended, another front produced significant rainfall on November 26th, when several locations had rain totals over 2.0 inches. Areal rainfall amounts ranged from 0.82 inch over east-central Louisiana to near 1.90 inches over coastal Mississippi.

Areal average rainfall totals for November...

Agricultural Region	Areal Average	Departure from Normal
Southwest/South Central Mississippi (4 Sites)	2.85	-2.35
Coastal Mississippi	1.88	-3.16
East Central Louisiana	2.02	-2.99
Southeast Louisiana	1.39	-3.52
South Central Louisiana (3 Sites)	2.40	-2.58

Drought...

At the start of November, soil conditions were normal over all of southeastern Louisiana and coastal Mississippi. Abnormally dry (D0) conditions crept into the northern portions of Amite, Pike and Walthall Counties by November 6th and spread over most of southwest Mississippi by November 13th. Rainfall during mid-November eased drought conditions. By November 27th, only Pike and Walthall Counties still had abnormally dry areas. As November ended, several sites in southern Mississippi and southeastern Louisiana had rain totals that were 4.0 to 5.0 inches below the normal rain totals.