

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 OCTOBER 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		DATE DECEMBER 15, 2007
CHARGE Silver Spring, MD 20910-3283		

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.

October started with scattered rains. During the week of October 1st, areal rain totals ranged from 0.58 inch over east-central Louisiana to 1.35 inch over coastal Mississippi. During the week of October 8th, areal average rainfall averaged around 1.0 inch over southeastern Louisiana. Almost no rain fell over southern Mississippi.

More dynamic weather occurred after October 15th, as two frontal boundaries moved across the region. Gulfport, MS measured 3.06 inches; LSU Citrus Reserve had 3.33 inches; Boothville, LA measured 3.99 inches; and Liverpool, LA reported 4.05 inches of rain. Areal rain totals averaged from 2.18 inches on the Mississippi coast to 1.27 inches over east-central Louisiana.

By October 22nd, a cold front helped focus widespread thunderstorms. The heaviest rains occurred on October 23rd over southeast Louisiana; some flash flooding developed. The greatest 24-hour rain totals in Louisiana included 7.12 at New Orleans-Audubon; 7.22 inches at Slidell; 7.29 inches at Abita Springs; 7.60 inches in Terrytown; and 9.41 inches at Algiers. Widespread urban flooding developed. Homes and businesses were affected over several areas.

The last days of October were fair and cool, as high pressure dominated over the weather. Light rainfall developed only over southeast Louisiana, where the areal average rainfall was 0.10 inch.

Flooding...

Flooding developed on the West Hobolochitto Creek near McNeil, MS; on the East Hobolochitto Creek at Caesar, MS; and on the Biloxi River near Lyman, MS on October 23rd. Flooding developed on the Wolf River near Gulfport, MS on October 24th. All riverine flooding ended by October 25th.

Areal average rainfall totals for October...

Agricultural Region	Areal Average	Departure from Normal
Southwest/South Central Mississippi (4 Sites)	4.04	+0.35
Coastal Mississippi	8.84	+5.66
East Central Louisiana	6.28	+2.68
Southeast Louisiana	9.02	+5.67
South Central Louisiana (2 Sites)	4.67	+0.97

Drought...

Abnormally dry conditions (D0) crept south into much of Pike County by early October, along with all of Walthall and Pearl River Counties and coastal Mississippi. Soils dried out as the month progressed; abnormally dry conditions spread over parts of the Florida Parishes and southern Louisiana by mid-October. After the heavy rains in the latter part of October, soil conditions returned to normal over all of southeastern Louisiana and southern Mississippi from October 23rd to the end of the month.