

32NWS Form E-5 (04-2006) (PRES. BY NWS Instruction 10-924)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	HYDROLOGIC SERVICE AREA (HSA) NWFO New Orleans/Baton Rouge, LA
		REPORT FOR: MONTH YEAR OCTOBER 2010
MONTHLY REPORT OF HYDROLOGIC CONDITIONS		SIGNATURE Kenneth Graham, Meteorologist-In-Charge
TO: Hydrologic Information Center, W/OS31 NOAA's National Weather Service 1325 East West Highway Silver Spring, MD 20910-3283		DATE November 15, 2010

When no flooding occurs, include miscellaneous river conditions below the small box, 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.

...Dry October Days Worsened Drought Conditions over Mississippi and Louisiana...

Cool, dry weather dominated the weather over southeastern Louisiana, southwestern Mississippi and coastal Mississippi in early October. During the first ten days of the month, the only rainfall recorded in this region was 0.01 inch at the New Orleans/Armstrong International Airport on October 9th. By October 12th, conditions were more humid, as a front moved across the region. The heaviest thunderstorms developed over parts of south-central and east-central Louisiana, where rain amounts over 1.0 inch were recorded at several locations. Areal average rainfall for the week ending October 18th ranged from near 0.10 inch to near 1.18 inch.

Another cold front pushed to the Gulf of Mexico on October 19th and 20th. Areal rainfall amounts for the week ending October 24th ranged from near 0.04 inch up to 0.40 inch. Scattered storms developed over the last days of October, though the month ended with dry weather. Areal rainfall totals for the week ending October 31st ranged from 0.07 inch up to 1.49 inches. The heaviest rains occurred over parts of south-central Louisiana, southeast Louisiana, and south-central Mississippi.

Monthly Reports by Agricultural Region	Areal Average	Departure from Normal
Southwest Mississippi (2 Sites)	1.20	N/A
South Central Mississippi (2 Sites)	0.95	-2.67
Coastal Mississippi	1.90	-1.28
Central Louisiana (2 Sites)	0.94	-2.97
East Central Louisiana	0.96	-2.64
South Central Louisiana (6 Sites)	1.47	-2.38
Southeast Louisiana	0.85	-2.50

Drought...

Through October 5th, moderate drought (D1) conditions covered southwest Mississippi and abnormally dry (D0) conditions persisted over most other areas. Only extreme southeastern Louisiana had normal soil moisture. Arid weather through most of October worsened soil moisture profiles. From October 12th through the end of October, severe drought (D2) persisted over southwestern Mississippi. Abnormally dry to moderate drought conditions persisted over the River Parishes and the Florida Parishes of Louisiana, as well as over coastal Mississippi. A small area of normal soils lingered over extreme southeastern Louisiana. By October 26th, moderate drought covered all areas except extreme southeastern Louisiana; conditions there were abnormally dry.

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

Bayou Sorrel, LA	3.52	-0.23	Baton Rouge/Sherwood, LA	0.07	-4.00
Plaquemine, LA	0.00	-3.82			