

NWS 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 JULY 2009
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 August 15, 2009

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.

...A Bit of Relief from Drought Occurred in July Storms...

A frontal boundary crossed the region and produced scattered storms across southeastern Louisiana, southwestern Mississippi, and coastal Mississippi on July 3rd and 4th. Rainfall totals generally ranged from 0.18 inch up to 0.95 inch. The greatest rain amount was 2.03 inches measured at Abita Springs on July 3rd.

In the hot and humid July air, periods of stormy weather produced significant rainfall during the next two weeks of July. For the week ending July 12th, areal rainfall totals ranged from around 1.16 inches over central Louisiana to over 2.25 inches across east-central Louisiana. Storm totals for the week ending July 19th ranged from around 1.5 inches to over 3 inches. The heavy rains helped alleviate the drought issues across southeastern Louisiana, southwestern Mississippi and coastal Mississippi.

A series of frontal boundaries, including a warm front, produced scattered thunderstorms across the region for the week ending July 26th and over the last days of July. Areal rainfall for the week ending July 26th averaged less than 0.10 inch over all but the coastal regions of Mississippi and Louisiana. Areal rainfall totals averaged around 1.0 inch over the coastal regions of Louisiana and Mississippi. After July 27th, rainfall totals until July 31st ranged from near 1.0 inch up to around 2.20 inches over the two-state region. Locally heavier rain fell July 27th through 29th over southeastern Louisiana, where Norwood, LA had a two-day total of 3.91 inches and at Butte La Rose, LA had a two-day total of 2.90 inches.

Flooding...

Minor flooding continued along the Atchafalaya River at Morgan City until July 9th.

Monthly Reports by Agricultural Region	Areal Average	Departure from Normal
Southwest Mississippi (2 Sites)	6.66	+1.24
South Central Mississippi (2 Sites)	4.14	-1.58
Coastal Mississippi	6.29	-0.57
Central Louisiana (3 Sites)	3.31	-2.36
East Central Louisiana	5.31	-0.67
South Central Louisiana (7 Sites)	4.91	-1.32
Southeast Louisiana	6.31	-0.66

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

Galliano, LA	10.90	+3.21	Pascagoula 3NE, MS	0.61	-6.68
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Drought...

During the first week of July, moderate drought (D1) conditions spread across southwestern Mississippi and most of southeastern Louisiana. Abnormally dry (D0) conditions existed over the Atchafalaya River Basin and most of coastal Mississippi. Normal soil conditions over Jackson County in Mississippi became abnormally dry during the first week of July. By July 21st, heavy rainfalls lessened the drought over extreme southeast Louisiana, leaving abnormally dry soils over coastal Louisiana and Mississippi. As the month ended, moderate drought conditions were easing over southwestern Mississippi, as well.