

<b>NWS FORM E-5</b> <small>(11-88)</small> <small>(PRES. by NWS Instruction 10-924)</small>	<b>U.S. DEPARTMENT OF COMMERCE</b> <b>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION</b> <b>NATIONAL WEATHER SERVICE</b>	HYDROLOGIC SERVICE AREA (HSA) <b>NEW ORLEANS/BATON ROUGE, LA</b>
		MONTHLY REPORT OF HYDROLOGIC CONDITIONS
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 CHARGE Silver Spring, MD 20910-3283		REPORT FOR: MONTH <b>JUNE</b> YEAR <b>2007</b>
		SIGNATURE <b>PAUL S. TROTTER, METEOROLOGIST-IN-</b>
		DATE <b>SEPTEMBER 15, 2007</b>

*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.

**...DROUGHT CONDITIONS EASED OVER LOUISIANA IN JUNE 2007...**

Significant rain fell during the first half of June for southern Mississippi and southeastern Louisiana. Arid soil conditions gradually eased over most areas. The greatest improvement in soil moisture conditions occurred over parts of east-central and southeast Louisiana, where isolated rain totals of 2.0 or 4.0 inches fell on several days.

By the week of June 18<sup>th</sup> through June 24<sup>th</sup>, the summertime pattern of diurnal showers and thunderstorms became well established. Most areas had rain totals over 1.0 inch for that week, with isolated amounts over 3.0 inches. As the month ended, easterly winds led to a decrease in humidity and less rain.

Areal averages rainfall (inches) for the month of June:

<b>Agricultural Region</b>	<b>Areal Average</b>	<b>Departure from Normal</b>
Southwest/South Central Mississippi (4 Sites)	2.85	-2.35
Coastal Mississippi	1.46	-3.48
East Central Louisiana	5.13	-0.00
Southeast Louisiana	5.14	-0.72
South Central Louisiana (3 Sites)	5.45	-0.06

**Drought...**

June started with abnormally dry (D0) conditions across southeastern Louisiana, except over the Atchafalaya Basin and Terrebonne Parish where conditions were normal. At the same time, moderate drought (D1) conditions remained over most of southwestern and coastal Mississippi, with small areas of severe drought (D2) over the northern portions of Amite and Walthall Counties. By mid-June, conditions returned to normal in Louisiana over all but the Florida Parishes. There conditions were mostly abnormally dry (D0). Soil moisture conditions improved over south Mississippi late in June. By June 26<sup>th</sup>, the coastal counties had abnormally dry (D0) conditions. However, moderate drought persisted over most of southwest Mississippi. Small areas of severe drought (D2) lingered over northern portions of Amite and Walthall Counties throughout June.