

<b>NWS FORM E-5</b> (11-88) (PRES. by NWS Instruction 10-924)	<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>
	<b>MONTHLY REPORT OF HYDROLOGIC CONDITIONS</b>	REPORT FOR: MONTH <b>AUGUST</b> YEAR <b>2006</b>
TO:      Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283	SIGNATURE <b>PAUL S. TROTTER, MIC</b>	DATE <b>SEPTEMBER 15, 2006</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.**

**...Rainy Weather Helped Relieve Drought over Region...**

Warm, humid, August air eroded the persistent drought conditions over southwestern Mississippi, coastal Mississippi, and southeastern Louisiana. Areal average rainfall amounts ranged from around 0.90 inch over southern Mississippi to near 1.40 inches over southeastern Louisiana. Downpours during the first week caused flash flooding in East Baton Rouge Parish.

Heavy rainfall continued the second week of August. With daily rain amounts over two inches common, areal average rainfall amounts ranged from 1.73 inches to over 2.25 inches for east-central Louisiana. For southwestern and coastal Mississippi, areal average rainfall amounts were 1.00 inch and less. Flash floods developed again over East Baton Rouge Parish.

Heavy rainfall during the period of August 14<sup>th</sup> through 20<sup>th</sup> yielded areal amounts in Louisiana that ranged from around 0.25 inch to near 0.75 inch over southeast Louisiana. For southern Mississippi areal average rainfall amounts were 1.00 inch and less.

For the period of August 21<sup>st</sup> through 27<sup>th</sup>, heavy downpours produced local amounts over 4.0 inches at several locations. The greatest rain totals measured were: 7.84 inches at Baton Rouge; 4.77 inches at Franklinton; and 4.27 inches at Norwood. Areal average rainfall ranged from 2.62 inches in east central Louisiana to 2.27 inches in southeast Louisiana. In Mississippi, areal average rainfall ranged from near 0.90 inch to 1.31 inches.

As the month ended, areal average rainfall ranged from near 0.30 inch over coastal Mississippi to around 0.75 inch in southeast Louisiana.

**Drought...**

In early August, extreme drought existed over the coastal counties, Pearl River County, and southern Walthall County in Mississippi, as well as over much southeastern Louisiana. Other areas had severe conditions, with moderate conditions only in southwestern Mississippi. By August 15<sup>th</sup>, conditions were moderate over most areas. Severe drought conditions lingered over the Mississippi Gulf coast and Pearl River County, as well as Washington, St. Tammany, Orleans, St. Bernard, and Plaquemines Parishes of Louisiana. By August 29<sup>th</sup>, conditions improved to abnormally dry soil moisture. Moderate to severe drought conditions lingered in Mississippi only over parts of Walthall, Pearl River, Harrison, and Jackson Counties.

**Issuances...**

- Flood Warnings      0
- Flood Statements    0