

<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>OCTOBER</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</b> METEOROLOGIST-IN-CHARGE	DATE <b>NOVEMBER 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.**

***...Heavy Rainfall Produced Flooding in Late October...***

Little rain occurred across southeastern Louisiana and southern Mississippi through the first two weeks of October. Areal average rainfall amounts were generally 0.01 inch and less than 0.40 inch for those two weeks, respectively.

Stormy weather produced copious rains from October 16<sup>th</sup> through 22<sup>nd</sup>. At least six locations measured over 7.0 inches of rain. The greatest rain totals were: Bayou Sorrel with 10.40 inches; Zachary with 8.47 inches; and near Clinton where 7.84 inches fell. Areal rainfall ranged from 2.86 inches to over 4.00 inches. Floods occurred on the Atchafalaya River at Morgan City and on the Tickfaw River at Killian. Water had receded at both locations by October 17<sup>th</sup>.

More cold fronts brought more heavy rain during the week of October 23<sup>rd</sup>. Flash floods occurred in West Feliciana Parish. The heaviest rain again developed over east-central Louisiana, where several sites measured over 6.0 inches of rain. Norwood had 8.31 inches; Clinton had 7.25 inches; and St. Francisville had 7.43 inches. Areal rainfall amounts ranged from 2.36 inches over east-central Louisiana to less than an inch over coastal Mississippi and southeast Louisiana.

A second round of flooding developed October 27<sup>th</sup> and 28<sup>th</sup> on the Amite River at Denham Springs; on the Comite River at Joor Road; on the Tickfaw River at Liverpool; on the Tangipahoa River at Osyka, MS and at Robert, LA; and on the Bogue Chitto River at Tylertown, MS. These floods ended by October 29<sup>th</sup>. More floods developed October 29<sup>th</sup> and 30<sup>th</sup> on the Amite River at Bayou Manchac Point; on the Bogue Chitto River at Bush; and the Lower Pearl River at Bogalusa. Water receded from these areas by October 30<sup>th</sup>.

After two weeks of heavy rains, dry weather returned at the end of October. Where isolated showers did occur, rainfall amounts were generally less than 0.10 inch, which yielded areal rainfall amounts of zero.

**Drought...**

Soil conditions were abnormally dry across southern Mississippi and southeastern Louisiana through October 24<sup>th</sup>. After the heavy rains over the region, soil moisture improved to normal for most of southwest Mississippi, the Florida Parishes, and much of the River Parishes. Abnormally dry conditions persisted over Walthall and Pearl River Counties, over coastal Mississippi, and over the southeast climate region of Louisiana through the entire month of October.