

<b>NWS FORM E-5</b> (11-88) (PRES. by NWS Instruction 10-924)	U.S. DEPARTMENT OF COMMERCE <b>NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION</b>	HYDROLOGIC SERVICE AREA (HSA)
	<b>NATIONAL WEATHER SERVICE</b>	<b>NEW ORLEANS/BATON ROUGE, LA</b>
<b>MONTHLY REPORT OF HYDROLOGIC CONDITIONS</b>		REPORT FOR: MONTH <b>DECEMBER</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 PAUL S. TROTTER METEOROLOGIST-IN-CHARGE
		DATE <b>JANUARY 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.

*...DECEMBER RAINS SOAKED SOUTHEASTERN LOUISIANA AND SOUTHERN MISSISSIPPI...*

A strong front produced rainfall over southeastern Louisiana and southern Mississippi during the first days of December. On December 1<sup>st</sup>, several areas had rainfall around 1.0 inch, with isolated reports of more than 1.5 inch. Areal rainfall through December 3<sup>rd</sup> averaged around 0.41 inch.

Through December 10<sup>th</sup>, high pressure dominated over the region and only isolated, light rain fell. Then, over the two-day period of December 12<sup>th</sup> and 13<sup>th</sup>, a cold front slowly crossed Louisiana and Mississippi and produced widespread rainfall. While most areas measured less than 0.5 inch, amounts over 1.0 inch occurred at several locations. Areal average rainfall amounts during the week ending on December 17<sup>th</sup> were generally around one third of an inch.

A dramatic change occurred after a storm formed over Texas and then tracked east-northeastward by December 20<sup>th</sup>. The system pushed a warm front across southeastern Louisiana and southern Mississippi before a cold front, associated with the low pressure area, traversed the region on December 21<sup>st</sup> and 22<sup>nd</sup>. Widespread heavy rain occurred. On December 21<sup>st</sup> alone, 9.13 inches fell at Galliano and 8.72 inches fell at Terrytown. More rain developed on December 24<sup>th</sup>, as an overrunning pattern became established. Rainfall totals for the week included 12.74 inches at Galliano; 10.64 inches at Terrytown; and 7.84 inches at Thibodaux. Areal rainfall amounts ranged from 7.59 inches over southeast Louisiana to 3.57 inches in east-central Louisiana.

The Biloxi River flooded at Wortham, MS on December 21<sup>st</sup>. The Tangipahoa River flooded at Robert on December 22<sup>nd</sup>. The Tchefuncte River flooded at Covington on December 23<sup>rd</sup>. All of these rivers had receded by December 25<sup>th</sup>.

For the remainder of December, strong thunderstorms produced heavy rainfall on several days through New Year's Eve. During the week, rainfall amounts over 3.00 inches soaked many locations.

Flooding developed on the Bogue Falaya River at Covington on December 30<sup>th</sup>. On December 31<sup>st</sup>, flooding developed on the Tickfaw River near Liverpool, on the Bogue Chitto River near Franklinton, on the West Hobolochitto Creek at McNeal, MS, and on the East Hobolochitto Creek at Caesar, MS. These floods continued into January 2007.

**Drought...**

Abnormally dry conditions persisted over extreme southeast Louisiana and parts of coastal Mississippi throughout December 2006. Normal conditions existed over all other areas.