

NWS FORM E-5 (11-88) (PRES. by NWS Instruction 10-924)	U.S. DEPARTMENT OF COMMERCE NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	HYDROLOGIC SERVICE AREA (HSA) NEW ORLEANS/BATON ROUGE, LA
		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 MAY YEAR 2007	SIGNATURE PAUL S. TROTTER, METEOROLOGIST-IN-
		DATE JULY 15, 2007

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 IN MAY 2007...

Warm, humid conditions returned over southeastern Louisiana, southwestern Mississippi, and coastal Mississippi in May. Thunderstorms produced flash floods across the area during the week ending May 6th. The two-day rain totals measured on May 3rd and 4th were above 5.0 inches at several locations. Denham Springs recorded 7.2 inches of rain; Killian had 7.6 inches; Terrytown had 7.5 inches; Port Allen had 5.9 inches; New Orleans-Audubon had 5.5 inches; Reserve had 5.4 inches; Baton Rouge Airport logged 5.3 inches; and Ponchatoula had 5.2 inches. Areal average rainfall amounts ranged from 3.38 inches over southeast Louisiana to less than 0.9 inch over southern and coastal Mississippi.

Scattered thunderstorms continued through mid-May, though rainfall amounts remained low. Areal rainfall amounts were less than 0.2 inch for the region until May 14th. After May 14th, areal rainfall totals ranged from 1.25 inches over southeastern Louisiana to amounts of 0.60 inch or less over southern and coastal Mississippi.

Dry conditions persisted through May 20th. In scattered storms, areal amounts for the week ending May 27th were around 0.30 inch or less across the region. As the month ended, heavy rain developed over southeastern Louisiana and coastal Mississippi. In the heavy rains on May 29th and 30th, Slidell Airport measured 9.53 inches. Other locations with heavy rainfall included Slidell's National Weather Service Office with 4.06 inches and Thibodaux where 4.11 inches fell. Areal rainfall amounts ranged from 2.6 inches to less than 1.0 inch in Mississippi.

Drought...

Moderate drought (D1) conditions spread over all of southwest Mississippi and all of coastal Mississippi by early May. As soils dried further, severe drought (D2) conditions crept into the northern regions of Amite and Walthall Counties during the first half of the month. Heavy rain during May allowed regional drought conditions to gradually improve. Soils became abnormally dry (D0) across all of southeast Louisiana, except the Atchafalaya Basin and Terrebonne Parish. At the same time, abnormally dry (D1) conditions remained over most of southwest and coastal Mississippi, with small areas of severe drought (D2) over the northern portions of Amite and Walthall Counties.