

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
APRIL **2008**

TO: Hydrologic Information Center, W/OS31
NOAA's National Weather Service
1325 East West Highway
Silver Spring, MD 20910-3283

SIGNATURE
PAUL S. TROTTER, MIC
DATE
MAY 15, 2008

When no flooding occurs, include miscellaneous river conditions below the small box, 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 RAINS OVER THE AREA AND WATER FROM UPSTREAM ON THE MISSISSIPPI RIVER CAUSED FLOODS...

A series of weather disturbances produced heavy rains during April. For the week ending April 6th, areal rains averaged up to around 2.25 inches in Louisiana, while they averaged from 0.20 inch for most areas up to 0.50 inch over east central Louisiana during the week ending April 13th. Fair weather dominated until April 18th and then squall lines produced areal average rainfall amounts that were generally less than 0.25 inch.

From April 22nd, unsettled weather developed area-wide. Algiers had a one-day total of 5.34 inches on the 22nd. Terrytown had almost 8.0 inches on April 26th. For the week ending April 27th, areal rainfall averaged from 0.35 inch over east central Louisiana to 2.55 inches over southeast Louisiana. As the April ended, the heaviest rains occurred over east central Louisiana, where rain amounts were generally less than 1.0 inch.

Flooding

Minor flooding that started in late February continued into April on the Atchafalaya River near Morgan City. By late April, the flooding had become moderate. Late in March, rainfall and snowmelt from upstream on the Mississippi River fostered minor flooding on the Lower Mississippi River at Red River Landing and at Baton Rouge. As April progressed, moderate flooding developed at Red River Landing and major flooding developed at Baton Rouge. This flooding continued into May.

Heavy rains during the first week of April, along with the flow from upstream, expanded the flooding on the Lower Mississippi River. Minor flooding started at Donaldsonville and Reserve on April 5th and April 6th respectively. By the end of April, flooding had become moderate at Donaldsonville. The flooding at Donaldsonville and at Reserve continued into May. Brief minor flooding also developed in Mississippi on April 5th and 6th. Floods occurred on the Wolf River near Gulfport; on the Biloxi River near Wortham and at Lyman; and on the Tchoutacabouffa River near D'Iberville.

Heavy rains around April 22nd and upstream waters from the Lower Mississippi River pushed the Atchafalaya River into minor flood near Bayou Sorrel Lock on April 23rd. The flooding continued into May.

Monthly Reports by Agricultural Region	Areal Average	Departure from Normal
Southwest/South Central Mississippi (4 Sites)	3.09	-2.74
Coastal Mississippi	5.40	0.26
East Central Louisiana	4.24	-1.37
Southeast Louisiana	5.67	0.93
South Central Louisiana (5 Sites)	2.09	-2.68

Extreme Rainfall for the Month (Inches and Departure from Normal)

Paradis, LA

12.03 +7.43

New Orleans Algiers, LA

11.50 +6.68

Drought

At the beginning of April, abnormally dry condition (D0) became established over most of east central and south central Louisiana, while conditions were normal over other regions of southeastern Louisiana and southern Mississippi. By April 15th, soils were abnormally dry (D0) over all but coastal Mississippi and extreme southeastern Louisiana. Moderate drought (D1) conditions developed over southwestern Mississippi and east central Louisiana by the end of April.