

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
MARCH 2008

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

SIGNATURE
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DATE
APRIL 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.

...FLOODS DEVELOPED WITH HEAVY RAINS OVER LOUISIANA AND WATER FROM UPSTREAM...

A series of weather disturbances rippled across southeastern Louisiana and southern Mississippi during March. The results of these events were the full gambit of weather – from snow and sleet to severe thunderstorms to copious rains and flooding to fair weather conditions.

For the week of March 3rd, areal rain totals averaged from near 1.0 inch up to 2.10 inches in east central Louisiana. Several Louisiana sites measured over 3.0 inches and a few sites in Mississippi measured over 2.0 inches that week. For the week of March 10th, areal rain totals averaged 0.5 to 0.75 inch. Lighter rains occurred during the latter part of March over the entire region. Areal rainfalls for the week of March 17th averaged less than 0.4 inch. During the week of March 24th, areal rain amounts averaged less than 0.05 inch.

Flooding

Heavy rains late in February produced minor flooding on the Atchafalaya River near Morgan City, which continued into April. The rains also caused moderate flooding on the Lower Pearl River near Bogalusa and minor flooding at Pearl River. These floods had ended by mid-March.

Minor flooding developed on the Tangipahoa River near Robert and the Bogue Chitto River near Bush after heavy rainfall during the week of March 3rd. The waters receded by March 8th. Minor flooding briefly developed on the Lower Pearl River at Pearl River on March 15th due to heavy rainfall.

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. Flooding continued into April.

Monthly Reports by Agricultural Region	Areal Average	Departure from Normal
Southwest/South Central Mississippi (4 Sites)	4.06	-2.03
Coastal Mississippi	3.33	-3.19
East Central Louisiana	3.10	-2.94
Southeast Louisiana	2.35	-3.19
South Central Louisiana (5 Sites)	1.16	-3.42

Drought

Normal soil moisture conditions persisted over most of east central and south central Louisiana until the end of March. Then, abnormally dry condition (D0) became established over those areas. Conditions were normal throughout the month over other regions of southeastern Louisiana and southern Mississippi.