

MONTHLY REPORT OF HYDROLOGIC CONDITIONS

REPORT FOR:
MONTH YEAR
JANUARY 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
FEBRUARY 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.

***...FLOODING DEVELOPED OVER SOUTHEAST LOUISIANA WITH HEAVY RAINFALL...
(Corrections is italics)***

Stormy conditions dominated the weather over southeastern Louisiana, southwest Mississippi and coastal Mississippi during January. The first week's heaviest rains fell over east-central and southeast Louisiana. By the second week, the region's areal rain totals ranged from 0.6 inch over southeast Louisiana to around 1.0 inch over east-central Louisiana.

A series of storm systems produced wintry weather, with copious rainfall, from January 14th through 20th. After days of rainfall, Morgan City measured 5.64 inches; Lutcher had 4.27 inches; and Reserve had 4.25 inches. Areal rain amounts ranged from 2.89 inches over east-central Louisiana to 3.54 inches over southeast Louisiana. Rain amounts were lighter over coastal and southwestern Mississippi.

Stormy weather during the week of January 21th through 27th produced areal rainfall amounts that averaged from over 1.3 inches in southeastern Louisiana to around 2.0 inches over east-central Louisiana. By January 31st, two frontal systems produced more thunderstorms. Areal rain totals ranged from 0.67 inch over southeastern Louisiana to 1.55 inches over east-central Louisiana.

Flooding...

As January ended, minor flooding developed on the Tchefuncte River near Covington. Flooding developed on the Bogue Falaya River at the Girl Scout camp near Covington and in downtown Covington at Boston Street. The flooding continued into February at all locations.

Areal average rainfall totals for January...

Agricultural Region	Areal Average	Departure from Normal
Southwest/South Central Mississippi (4 Sites)	6.73	-0.54
Coastal Mississippi	6.76	+0.43
East Central Louisiana	7.46	+1.20
Southeast Louisiana	5.86	+0.08
<i>South Central Louisiana (5 Sites)</i>	<i>6.54</i>	<i>+0.79</i>

Drought...

As January began, abnormally dry conditions were established over southeastern Louisiana, southwestern Mississippi and the western portions of Pearl River and Hancock Counties. Normal soil conditions existed over the remainder of coastal Mississippi. With January's heavy rainfall, conditions rapidly improved. Normal soil moisture conditions returned over southeastern Louisiana, southwestern and coastal Mississippi by January 29th.