

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)	
	MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS		NWFO NEW ORLEANS/BATON ROUGE, LOUISIANA
		REPORT FOR: MONTH JUNE	YEAR 2005
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 July 12, 2005	

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)

...Relatively Dry Weather Returned to Normal Conditions in June 2005...

Severe weather and heavy rainfall started the last few days of May and continued through June 1st. Local amounts over 1.5 inches occurred in parts of east-central and southeast Louisiana, as well as southwest and coastal Mississippi. For that day, the greatest rain amounts were 2.24 inches at Greenwell Springs, 2.10 inches at Killian, and 1.86 inches at Chalmette. By the end of the week another bout of severe weather with heavy rainfall produced local rain amounts over 1.0 inch fell for parts of southeast Louisiana and coastal Mississippi.

Local flooding developed in Mississippi due the heavy rain that started as May ended. By June 1st, the Biloxi River had risen above the 12.0 feet flood stage at Lyman. The minor flooding ended the next day.

Severe storms with heavy rain redeveloped during the second week of June. The greatest totals occurred over southeast and east-central Louisiana, where rain fell as many as five days over some areas. The heaviest rain occurred in the New Orleans metropolitan area and over parts of south-central Louisiana. For the week, Marrero record 4.85 inches, Algiers had 4.63 inches, St. Gabriel had 4.60 inches, and Audubon Park measured 4.40 inches. Areal average rainfall over southeast Louisiana for the week was 2.68 inches, 1.37 inches above normal.

Tropical Storm Arlene pushed onshore and impacted the Mississippi Gulf coast from June 10th through the 12th. The greatest rainfall amounts recorded were 1.74 inches at Pascagoula and 1.31 inches at Ocean Springs. Areal rainfall amounts for the week averaged less than 0.50 inch along the Mississippi Gulf coast.

The week of June 13th through June 19th was stormy over much of Louisiana, with severe weather for three days and periods of heavy rain. For east-central Louisiana and parts of south-central Louisiana, areal rainfall averaged 1.44 inches and 1.67 inches respectively. Areal average rainfall over Mississippi was less than 0.4 inch.

During the last third of the month, significant rain developed on June 22nd and over a three-day period from June 24th to 26th across southeast Louisiana and parts of south-central Louisiana. No rain was measured over southern or coastal Mississippi. Areal average rainfall amounts were less than 0.5 inch in the Louisiana parishes.

As June ended, thunderstorms produced periods of heavy rainfall. At Greenwell Springs, 2.20 inches fell on June 28th, and 2.98 inches fell on June 29th at Jackson. Heavier rain fell over Mississippi, where Gulfport measured 6.51 inches on June 29th.

Drought conditions:

From the beginning of March through May 29th, rain totals had been below normal for six consecutive weeks. Heavy rainfall at the end of May into June returned the soil moisture to near normal conditions over much of southern Mississippi and southeastern Louisiana. Abnormally dry conditions remained over Wilkinson County in extreme southwest Mississippi and over parts of east-central and south-central Louisiana. By June 21st, soil moisture conditions were back to normal over the entire region.