

<b>NWS FORM E-5</b> (11-88) (PRES. by NWS Instruction 10-924)	<b>U.S. DEPARTMENT OF COMMERCE</b> NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION NATIONAL WEATHER SERVICE	HYDROLOGIC SERVICE AREA (HSA)	
		<b>NWFO NEW ORLEANS/BATON ROUGE, LOUISIANA</b>	
<b>MONTHLY REPORT OF RIVER AND FLOOD CONDITIONS</b>		REPORT FOR:	
		MONTH <b>June</b>	YEAR <b>2004</b>
<b>TO:</b> 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	<b>July 15, 2004</b>

*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)*

### ...June 2004 is Third Wettest June for Louisiana...

Unsettled weather produced showers and severe thunderstorms over the Lower Mississippi River valley throughout the first week of June. From June 2 through June 5, a cold front and an associated squall line focused the storm development over southeast Louisiana and south Mississippi. Areal average ranged from 2.2 inches to 2.8 inches. Several areas had weekly totals over 4.0 inches in southeast Louisiana. Minor flooding occurred on the Atchafalaya River at Morgan City on June 2. The river bounced around the flood stage through June 3. The Lower Pearl River rose above its flood stage at Bogalusa on June 4 and remained in flood until June 9.

High pressure, centered over the eastern United States, dominated the weather from June 7 through June 13. Scattered showers and thunderstorms developed; areal average rainfall totals ranged from 0.5 inch to 1.3 inch. The Atchafalaya River rose above its flood stage at Morgan City on June 6, quickly receded, and then flooded again on June 7. The river later crested at Morgan City, but remained above its flood stage into July. The Lower Pearl River rose to its flood stage at Pearl River on June 8 and quickly receded on June 9.

A tropical disturbance moved across the southeastern parishes of Louisiana and coastal Mississippi on June 14. Rainfall totals generally ranged from 1.0 inch to 3.0 inches for this day, though conditions were not as wet over southwest Mississippi. In St. Charles Parish, Paradis recorded 3.40 inches on June 14, with a storm total of 4.11 inches for the entire event. Rainy weather continued through the week, as a low pressure area formed over the region and persisted until June 17. By June 20, another front brought unstable air, with scattered severe storms and heavy rain, into the region. Areal average rainfall ranged from 0.8 inch in Mississippi to 2.12 inch in east-central Louisiana. Flash floods occurred in West Feliciana Parish on June 20.

With the frontal boundary over the area by June 21, the unstable atmosphere yielded more severe weather and copious rainfall during the week, particularly over south Louisiana. Areal average rainfall amounts ranged from 2.8 inches in southeast Louisiana to 5.08 inches in south-central Louisiana. Flooding developed on the West Hobolochitto River at McNeil, MS on June 25 and continued through June 27. The Tchefuncte River flooded at Covington from June 26 into July. By June 27, nuisance street flooding developed over St. Tammany Parish. The Bogue Falaya River flooded at Covington on June 27. The Bogue Chitto River flooded at Bush from June 27 through June 30.

Inclement weather continued over southeastern Louisiana and Mississippi through the end of June. Areal rainfall through June 30 generally ranged from 0.5 inch to 1.0 inch. Additional floods developed on several rivers across the region. The Tickfaw River flooded at Liverpool on June 28. The Tangipahoa River flooded at Robert from June 28 into July. The Pearl River flooded at Pearl River and Bogalusa from June 28 into July. Flooding redeveloped on the West Hobolochitto River at McNeil on June 28 and continued through June 30.

June 2004 was the third wettest June on record since 1895. Wetter Junes in 1989 and 2001 occurred when heavy rain fell in tropical storms. Many areas measured well over 10 inches; some were more than 6.0 inches above their normal rainfall.

	Rainfall	Difference From Normal
Buras	11.81	6.36
Ponchatoula	11.35	6.37
Thibodaux	13.19	6.47
New Orleans MSY	13.58	6.75
Baton Rouge Concord	12.77	6.80
Greenwell Spring	13.13	7.54
Hammond 5E	12.97	7.94
Oaknolia	13.37	8.35
Clinton	13.94	9.02
Kentwood	14.39	9.15
Liverpool	14.11	9.81
New Orleans DPS6	18.20	N/A
Bogalusa	19.51	13.89