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) **NEW ORLEANS/BATON ROUGE, LA**
MONTHLY REPORT OF HYDROLOGIC CONDITIONS		REPORT FOR: MONTH: **JANUARY** YEAR: **2014**
TO: Hydrometeorological Information Center, W/OH2 NOAA / National Weather Service 1325 East West Highway, Room 7230 Silver Spring, MD 20910-3283		SIGNATURE KENNETH GRAHAM METEOROLOGIST-IN-CHARGE DATE **FEBRUARY 15, 2014**

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)

X **An X inside this box indicates that no flooding occurred within this hydrologic service area.**

…Stormy Weather Dominated Though Drought Conditions Expanded by Late January 2014…

Stormy weather rocked southeastern Louisiana, southwestern Mississippi, and coastal Mississippi throughout January. A series of boundaries pushed through by January 12th and produced widespread rain over the region. Rainfall was heaviest over east-central and southeast Louisiana up until January 5th and then heaviest over east-central Louisiana from January 6th through 12th. Areal average rain totals by January 5th were generally from 0.5 to around 0.8 inch. For the following week, areal average rain totals were about 0.6 inch to near one inch. Rainfall amounts were below the seasonal normal.

More stormy weather developed as four boundaries impacted the weather through January 19th. Rainfall was heaviest over southeast Louisiana, where widespread amounts over 1.0 inch occurred. Areal average rain totals for the week ranged from 0.35 inch over coastal Mississippi to over southeast Louisiana.

Repeated weather disturbances and boundaries slammed this region the following week and widespread precipitation occurred by January 26th. Sleet, freezing rain and snow were mixed with the rain on January 24th and 25th across the region and as far west as the Atchafalaya River Basin. The widespread coverage of the frozen precipitation disrupted travel, commerce, and school activities. Icing developed on Interstates 10 and 12, along with U.S Highways, state roads, and bridges. Many roadways were impassable for several days. Areal average rain totals for the weather week that ended January 26th ranged from 0.02 inch over coastal Mississippi to around 0.15 inch.

More wintry precipitation developed by January 28th. Treacherous road conditions persisted across the region through January 30th. As the month ended, milder weather returned. For the last days of January, areal rain totals were generally near 0.5 inch.

Monthly Reports by Agricultural Region	**Areal Average**	**Departure from Normal**
Southwest Mississippi (1 Site)	1.70	N/A
South Central Mississippi (1 Site)	2.07	-4.01
Coastal Mississippi	2.27	-2.96
Central Louisiana (2 Sites)	1.89	-4.52
South Central Louisiana (7 Sites)	2.25	-3.69
East Central Louisiana	2.31	-3.95
Southeast Louisiana	3.51	-2.27

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

Grand Isle, LA	5.91	+0.88	St. Francisville, LA	1.65	-5.51
Galliano, LA	4.16	-1.69	Reserve, LA	0.62	-5.61

Drought…

Abnormally Dry (D0) conditions spread over all of Iberia and St. Mary Parishes and over parts of St. Martin, Iberville, Assumption, and Terrebonne Parishes by January 1st. By January 21st, only extreme southeastern Louisiana and coastal Mississippi had normal soil moisture contents. All other regions were abnormally dry, as soil moisture contents rapidly declined through the end of January.