

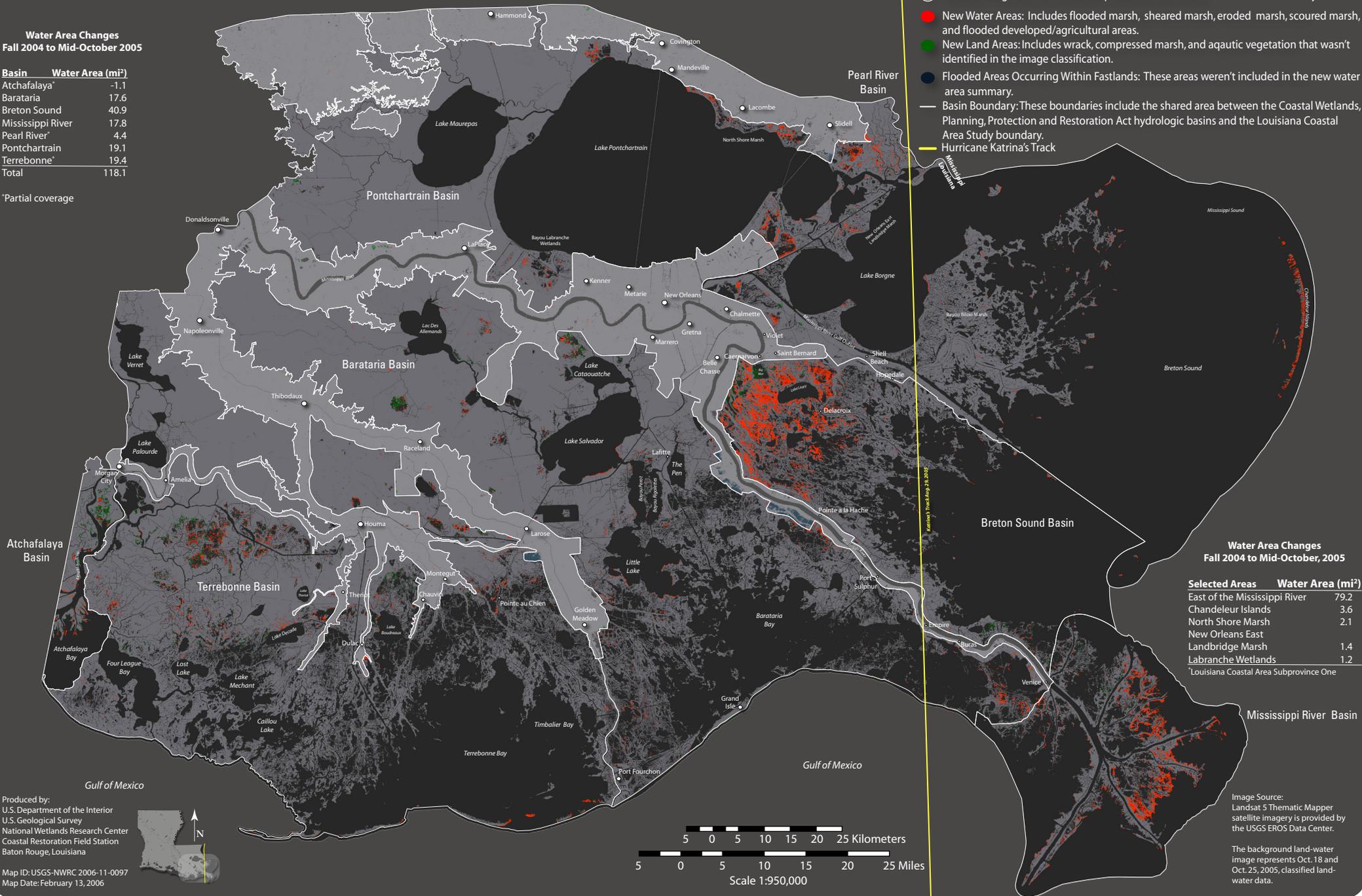
Water Area Changes in Southeastern Louisiana After Hurricanes Katrina and Rita Detected with Landsat Thematic Mapper Satellite Imagery

- Fastlands: Agricultural and developed areas excluded from the water area analysis.
- New Water Areas: Includes flooded marsh, sheared marsh, eroded marsh, scoured marsh, and flooded developed/agricultural areas.
- New Land Areas: Includes wrack, compressed marsh, and aquatic vegetation that wasn't identified in the image classification.
- Flooded Areas Occurring Within Fastlands: These areas weren't included in the new water area summary.
- Basin Boundary: These boundaries include the shared area between the Coastal Wetlands, Planning, Protection and Restoration Act hydrologic basins and the Louisiana Coastal Area Study boundary.
- Hurricane Katrina's Track

Water Area Changes Fall 2004 to Mid-October 2005

Basin	Water Area (mi ²)
Atchafalaya*	-1.1
Barataria	17.6
Breton Sound	40.9
Mississippi River	17.8
Pearl River*	4.4
Pontchartrain	19.1
Terbonne*	19.4
Total	118.1

*Partial coverage



Water Area Changes Fall 2004 to Mid-October, 2005

Selected Areas	Water Area (mi ²)
East of the Mississippi River	79.2
Chandeleur Islands	3.6
North Shore Marsh	2.1
New Orleans East	
Landbridge Marsh	1.4
Labranche Wetlands	1.2
*Louisiana Coastal Area Subprovince One	

Produced by:
U.S. Department of the Interior
U.S. Geological Survey
National Wetlands Research Center
Coastal Restoration Field Station
Baton Rouge, Louisiana

Map ID: USGS-NWRC 2006-11-0097
Map Date: February 13, 2006

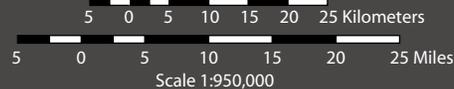


Image Source:
Landsat 5 Thematic Mapper
satellite imagery is provided by
the USGS EROS Data Center.

The background land-water
image represents Oct. 18 and
Oct. 25, 2005, classified land-
water data.