Land Area Change in Coastal Louisiana After the 2005 Hurricanes: Overview

- **2005 Land**
- **2005 Water**
- **Fastlands**: Agricultural, developed, and upland areas surrounded by levees that are generally considered non-wetlands (LSNR, 2002) and that are excluded from calculations of net land area change.
- **2004 to 2005 New Water Areas (Decreased Land Areas)**: Includes flooded marsh, sheared marsh, eroded marsh, and scoured marsh.
- **2004 to 2005 New Land Areas**: Includes wrack, compressed marsh, and aquatic vegetation that is possibly misclassified. These areas are included in calculations of net land area change.
- **2005 Flooded Burned Marsh Areas**: Based on imagery review of areas classified as burned marsh within a month to a few weeks of Hurricane Rita’s landfall.
- **2005 Flooded Agricultural and Developed Areas**: Based on imagery review of new water areas occurring within the "other land" class of Chabreck and Linscombe’s marsh community types (unpub. data, 2001).

**Basin Boundary**: These boundaries include the shared area between the hydrologic basins defined by CWPPRA (1993) and the boundary of the LCA study (Barras and others, 2003).

**Hurricane Track**: Data were filtered to depict areas of loss and gain greater than 2.7 acres (1.1 ha) in size to remove background noise and to increase confidence in the depicted trends.

**Katrina Aug. 29, 2005**
**Sept. 24, 2005 Rita**