



# Hurricanes making landfall along the Gulf Coast, 2005





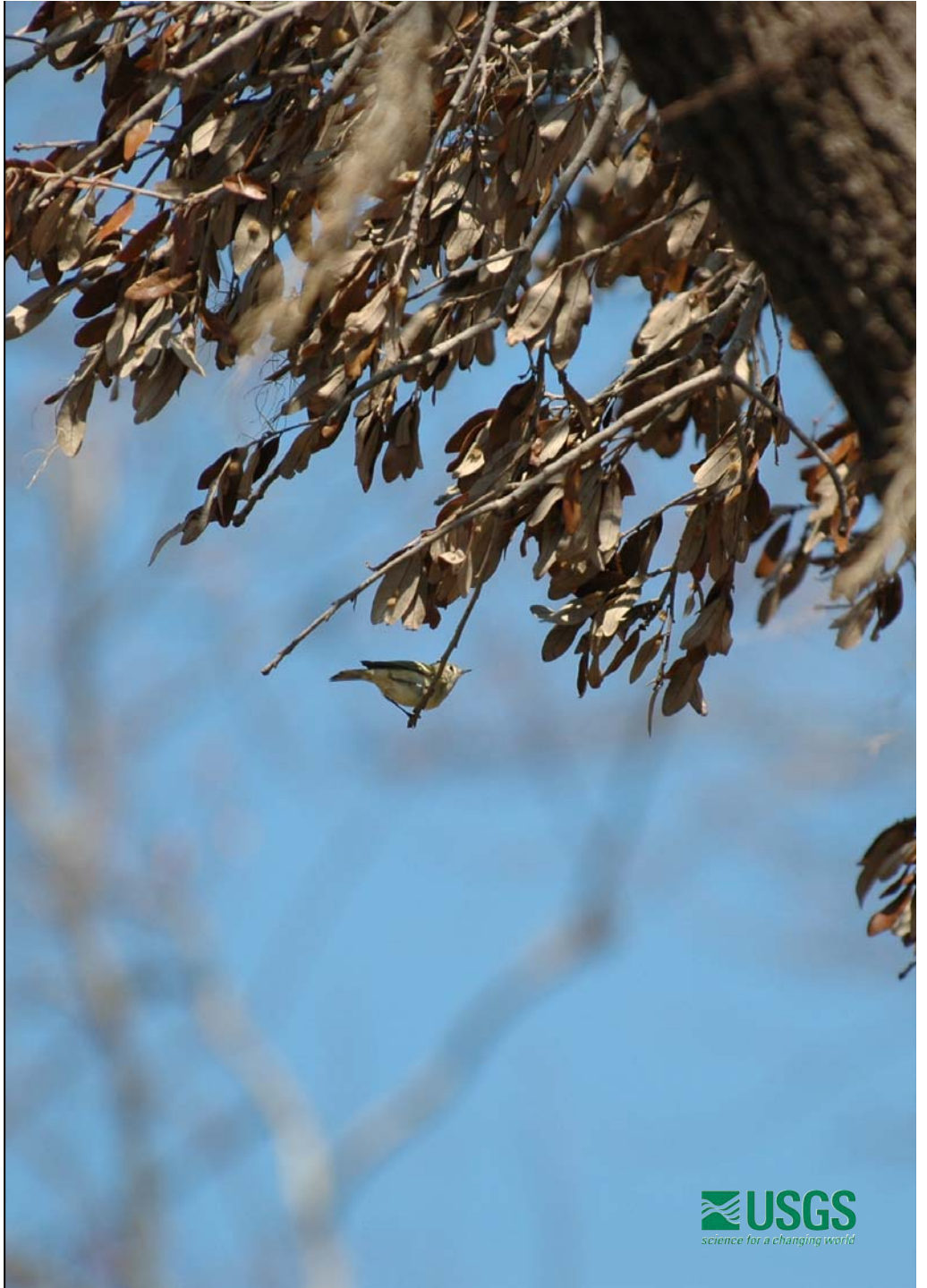






























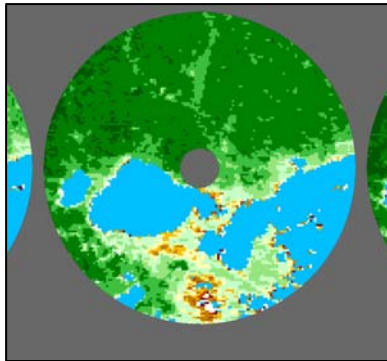




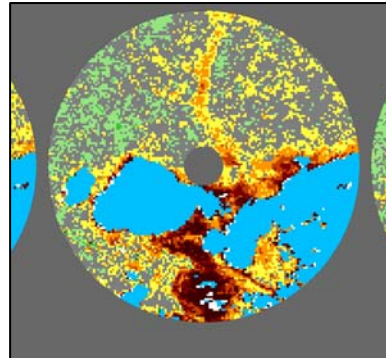


# NDVI Data

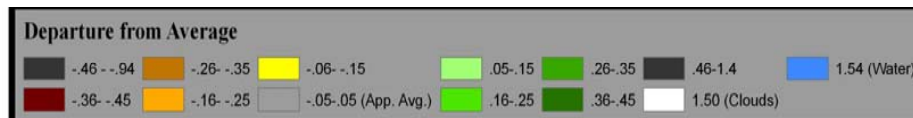
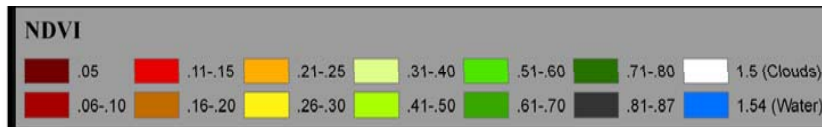
Week ending 09/27



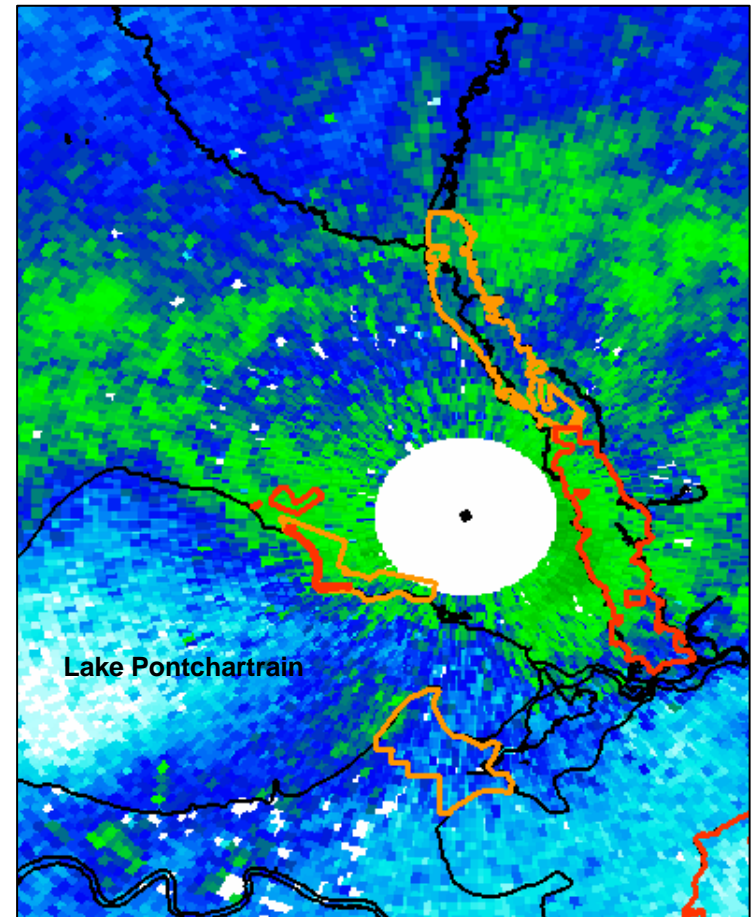
15-year average  
1989 - 2003



Departure from average  
2005



# NEXRAD Data



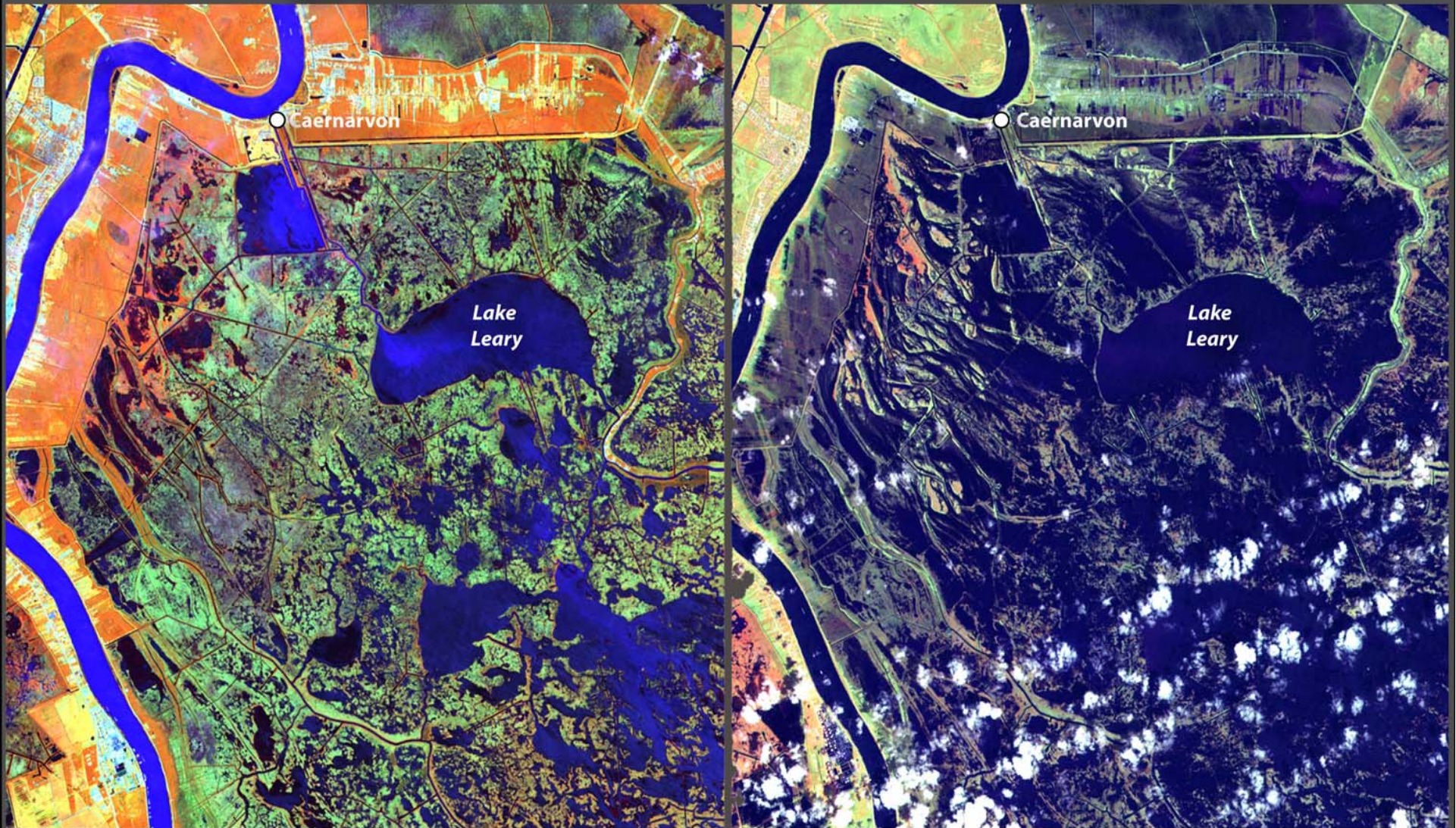
September 21, 2005, 8:13 p.m. CDT



*Landsat Thematic Mapper 5 Hurricane Katrina Comparison Images  
Upper Breton Sound Area*

April 16, 2005

September 7, 2005



Source: USGS NWRC  
Landsat Thematic Mapper Satellite Imagery provided by EROS Data Center  
Bands 4 (near-ir), 5 (mid-ir), and 3 (visible red) displayed

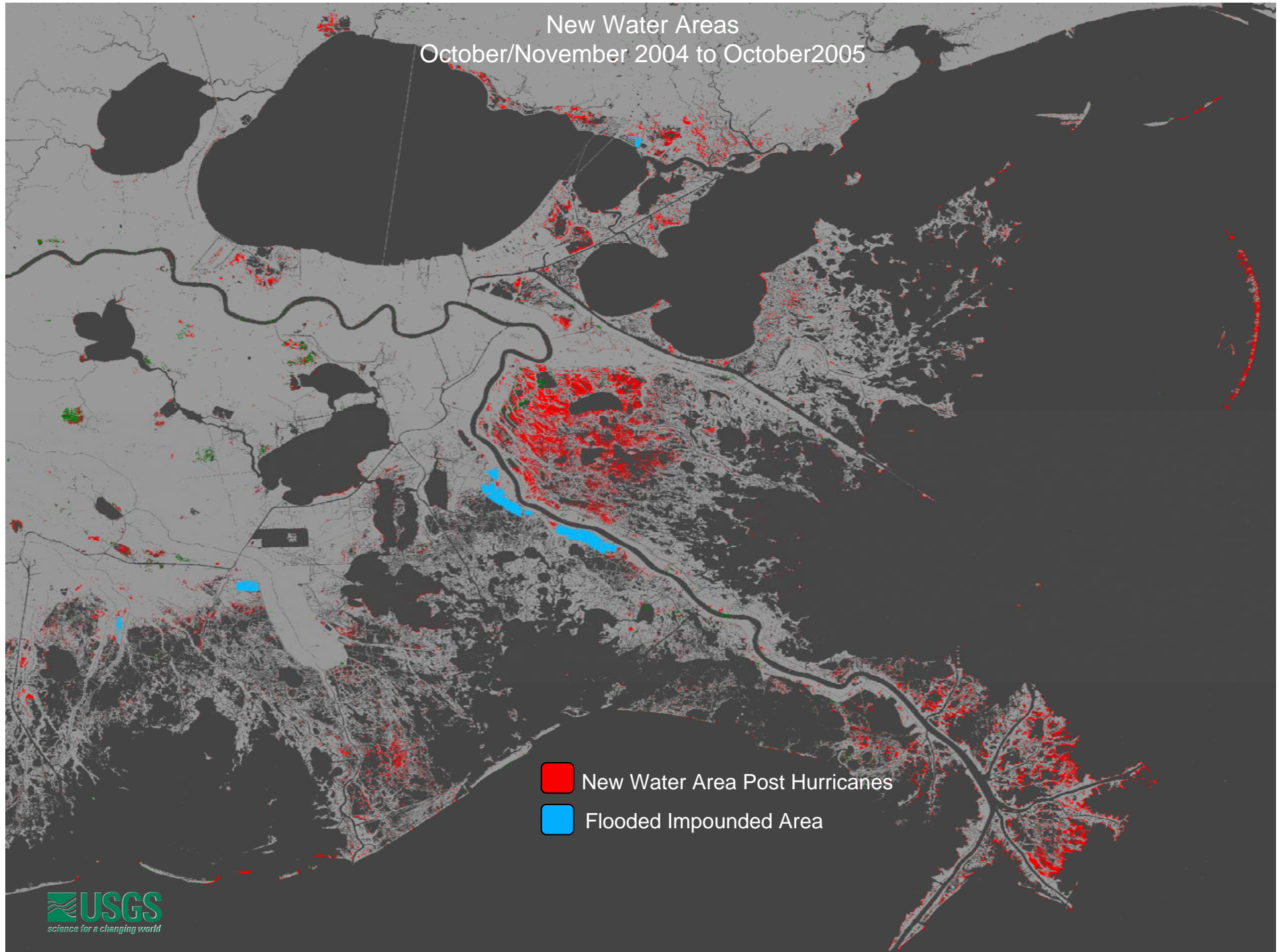
Draft: Sept. 28, 2005





**USGS**  
science for a changing world

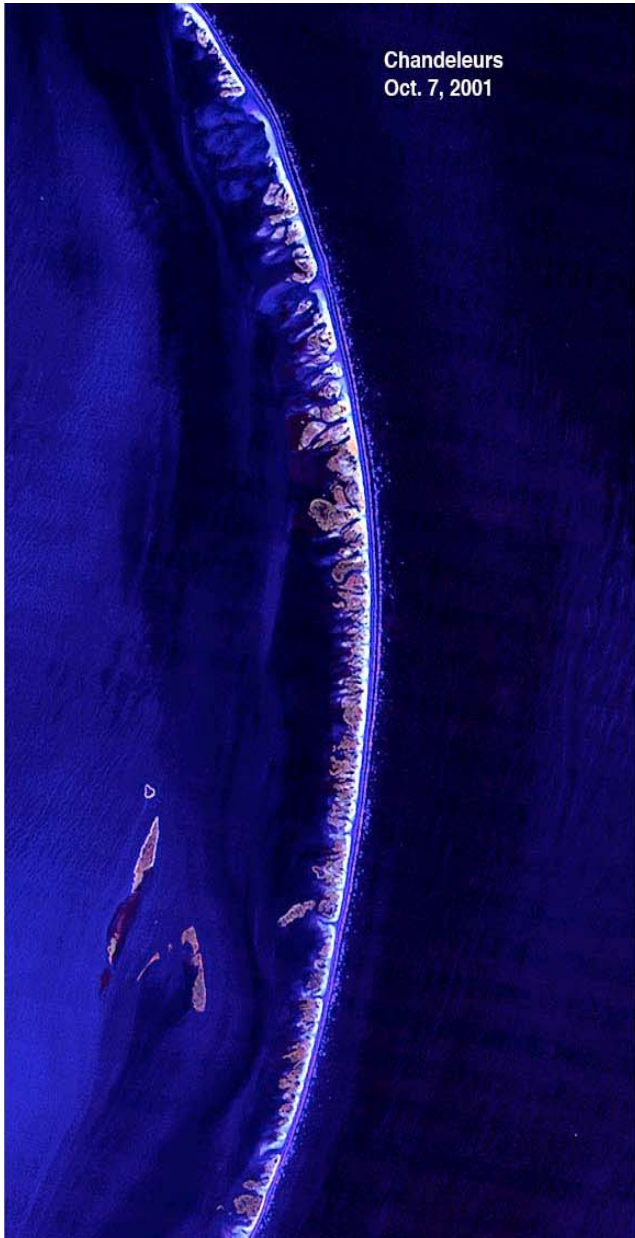


New Water Areas  
October/November 2004 to October 2005

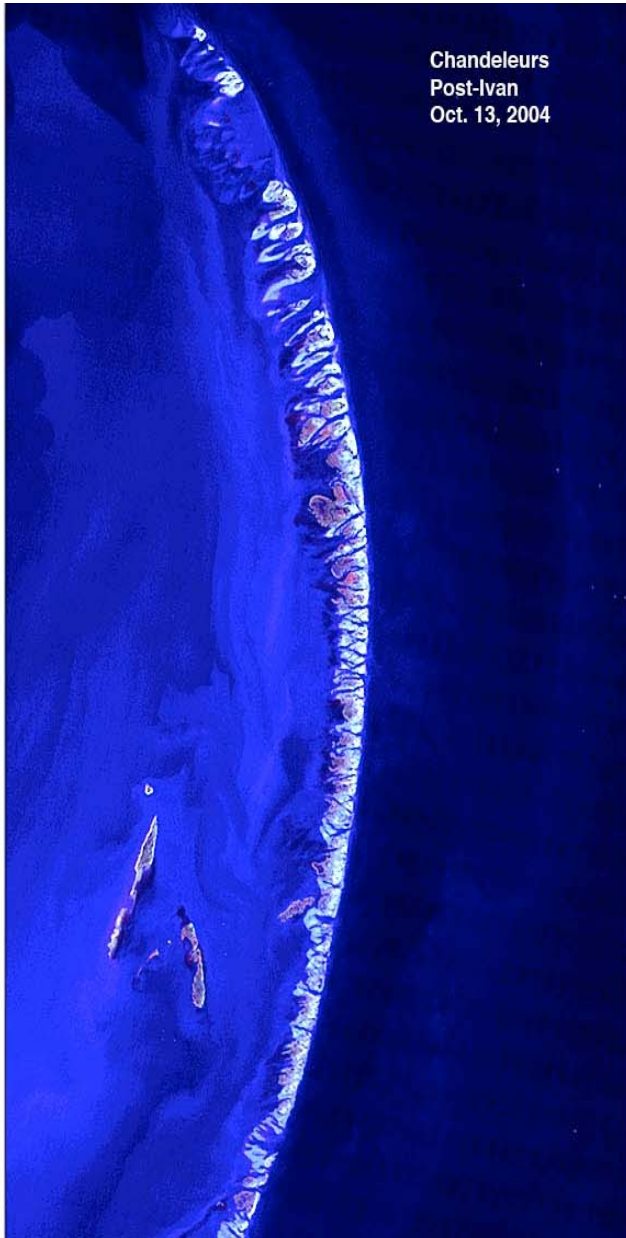


-  New Water Area Post Hurricanes
-  Flooded Impounded Area





Chandeleurs  
Oct. 7, 2001



Chandeleurs  
Post-Ivan  
Oct. 13, 2004



Chandeleurs  
Post-Katrina  
Sept. 16, 2005



# Challenges

- Amount of damage
- Partner communication
- Government distrust
- Many plans, little integration
- Some poor plans
- Limited restoration science
- Funding



# Opportunities

- Regional conservation planning possible
- Public interest
- Conservation planning can be seen as beneficial
- Can do adaptive restoration science
- Many areas may not be rebuilt
- Possible funding