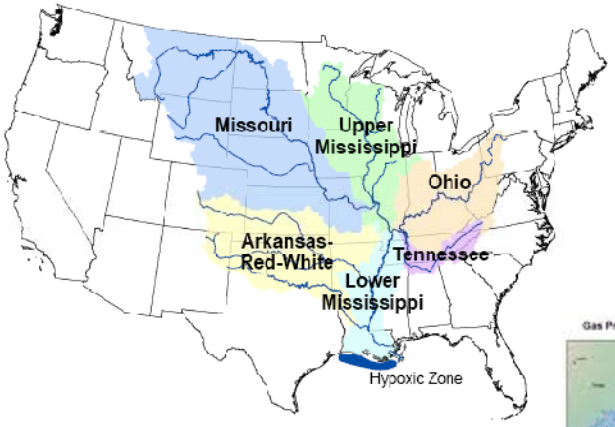
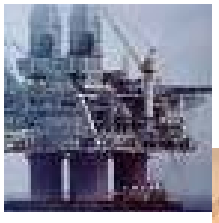
Gulf of Mexico Program

8 December 2009

Gulf of Mexico

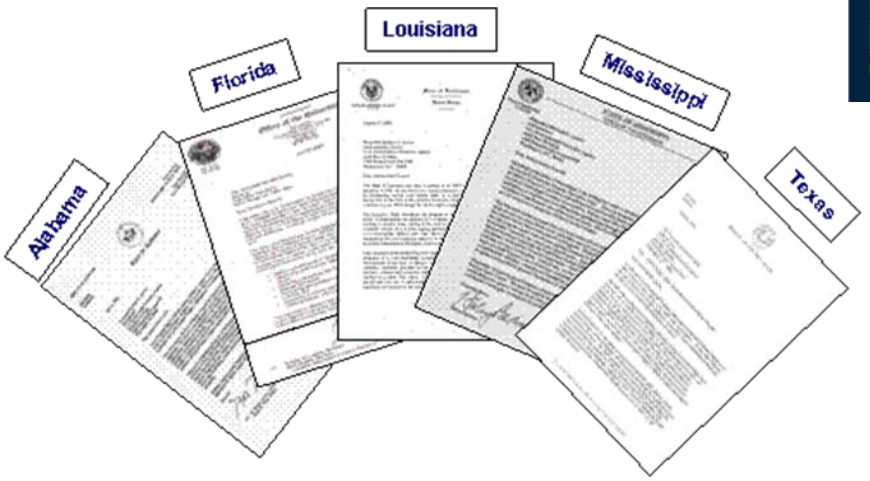


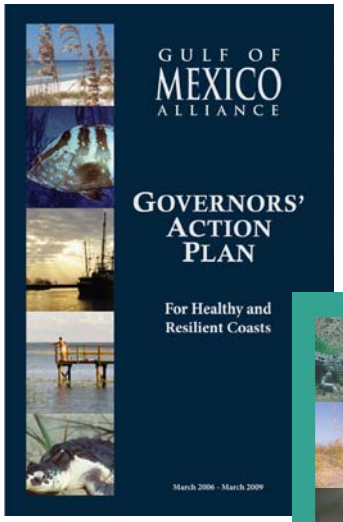


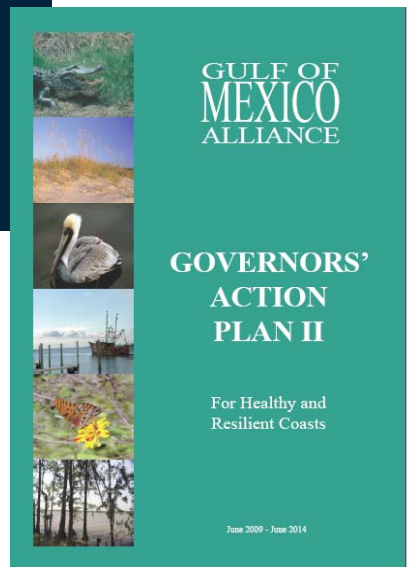
Gulf Challenges

- Sustaining Gulf Economy
- Improving Ecosystem Health
- Mitigating the Impacts of and Adapting to Climate Changes
- Mitigating Harmful Effects to Coastal Water Quality

Regional Response







Gulf of Mexico Alliance Organization

Alliance Management Team

Alabama, Florida, Louisiana, *Mississippi (Chair)*, Texas

Federal Workgroup

Co-Chairs

EPA , DOI, NOAA

CEQ
NASA
NSF
USACE
USDA – NRCS, USFS
USDOC – NOAA
USDOD – U.S. Navy
USDOE
USDOI – MMS, NPS, USFWS, USGS
USDHHS – FDA
USDOS
USDOT
USEPA

Priority Issue Teams

Water Quality
Florida lead
AL, LA, MS, TX

Restoration
Louisiana lead
AL, FL, MS, TX

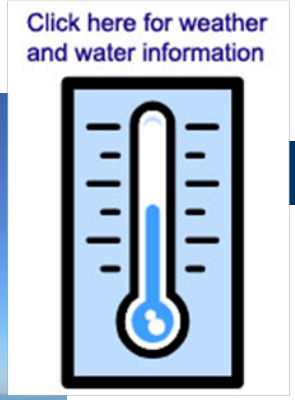
Education
Alabama lead
FL, LA, MS, TX

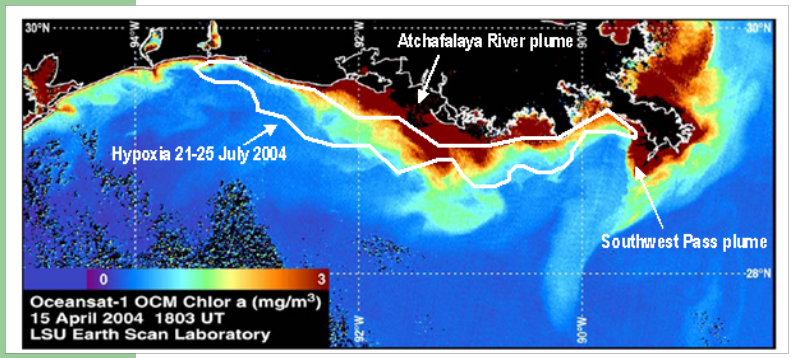
Habitat ID
Texas lead
AL, FL, LA, MS

Resilience
Mississippi lead
AL, FL, LA, TX

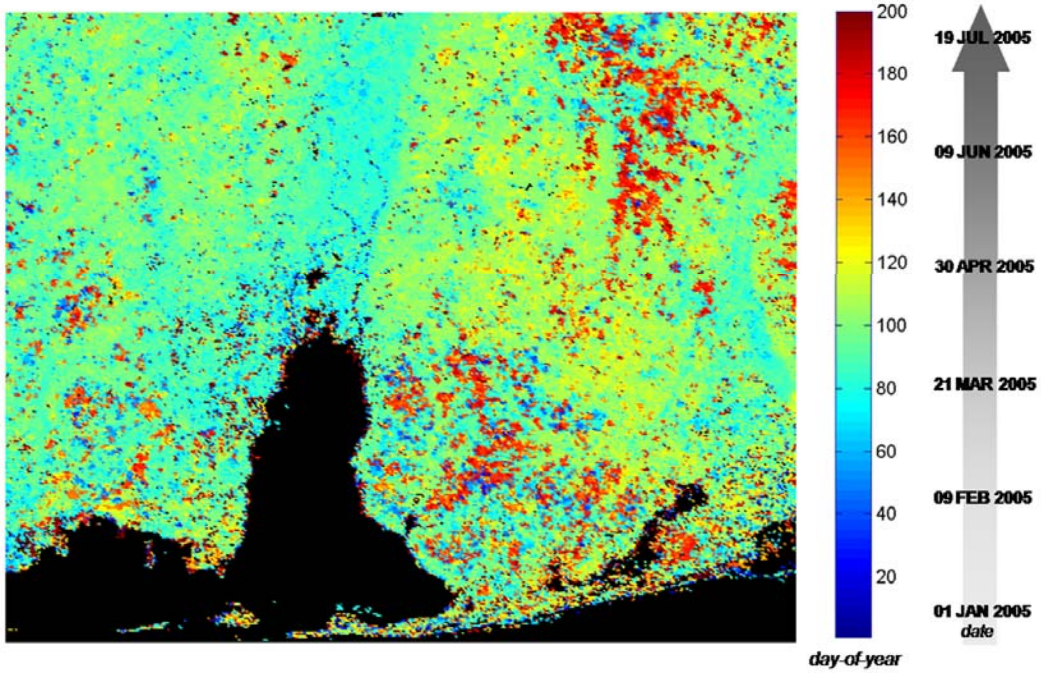
Nutrients
Mississippi lead
AL, FL, LA, TX

Applied Science





Sub-Basin Land Cover - St. Louis Bay Watershed



NASA Applied Science Funded Projects

DEMAND: DSS Environment for Modeling of Atmospheric Nutrient Deposition

Enhancing estuarine water quality management through integrating earth science research results: A targeted project for Tampa Bay

Geospatial Synthesis of Chromophoric Dissolved Organic Matter Distribution in the Gulf of Mexico for Water Clarity Decision Making

Satellite Earth Image Products Applied to Development of Regulatory Water Quality Standards

NASA Applied Science Funding Projects

Remote Sensing Decision Support for Water Quality Assessment and Seagrass Protection and Management in Florida's Big Bend Region

Establishing Standard Water Quality Criteria Using Satellite Products for Texas

Estuary Variance Map for In Situ Sample Station Placement (Mobile Bay and the MS Sound)

Enhancing NASA's COAST Online Application for Agricultural Best Management Practices Decision Support

Questions?

Lael Butler
Butler.lael@epa.gov
228.688.1576