

Gulf of Mexico Alliance Reducing Nutrients Impacts Priority Issue Team



Gulf of Mexico Alliance 2009 Implementation Workshop

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Successes from the Past Year

Completed the Nutrient Criteria Research Framework

- 3 workshops
- 4 Technical subgroups
- Collaboration with WQ PIT
- Multiple review and comment periods





Successes from the Past Year

Began pilots of Nutrient Criteria Research Framework

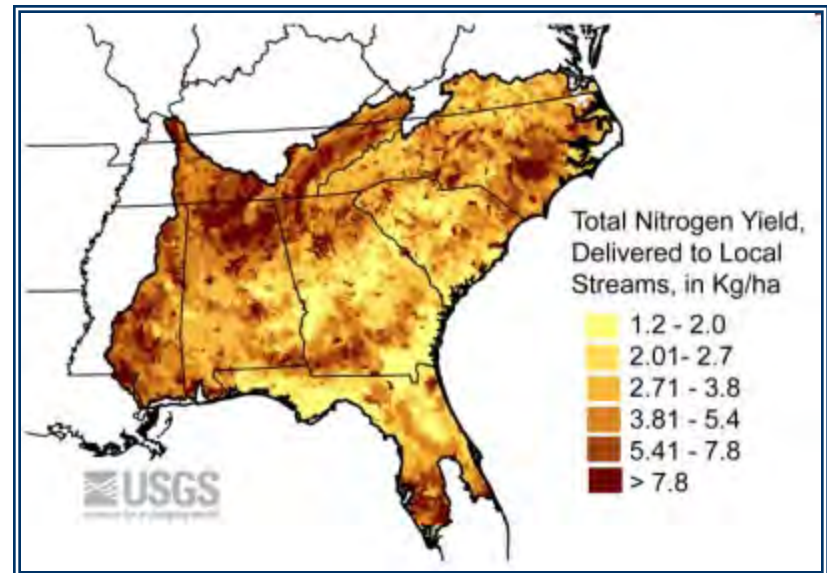
- June 2009 Study Design Workshop
 - Bay St. Louis, MS and Tampa Bay, FL
 - Leveraging on-going research efforts





2009-2010 Annual Work Plan Highlights

- Develop Benthic Index for the Gulf of Mexico
- Collaborate with USGS to refine regional SPARROW models using local datasets





2009-2010 Annual Work Plan Highlights



Photo: Nancy Rabalais, Louisiana Universities Marine Consortium

- Develop strategy for monitoring of localized hypoxic events using lessons learned from Gulf Hypoxia
- Increase awareness of hypoxia in Gulf waters
- Develop a Coastal Nutrient Reduction Strategy Template



If we only had more money....

- Conduct additional Nutrient Sources, Fate, Transport, and Effect Studies across the Gulf
 - \$500,000 per study
- Leverage resources to implement Nutrient Reduction Strategies in the Gulf and MS River Basin States
 - \$200,000 per State
- Build upon Education PIT awareness campaign to launch outreach and behavior change initiative
 - \$50,000 per State





If we only had more money....



- Implement a comprehensive, sustainable monitoring program for Gulf Hypoxia
 - \$4.7 Million annually
- Develop an inter-agency, long-term tracking system to document the environmental results of nutrient reduction activities
 - \$600,000
- Pilot a process to determine the socio-economic value of resource impacts due to nutrient pollution
 - \$300,000



Measures of Success for 2009-2010

- Draft Benthic Index is presented to Nutrient PIT for review and feedback
- Local datasets are applied to refine SPARROW in one pilot watershed
- Localized Hypoxia Monitoring Strategy is presented to Nutrient PIT
- Outreach materials are developed on the status of hypoxia throughout the Gulf
- Coastal Nutrient Reduction Strategy Template is completed



Measures of Success over the Next Five Years



- Percentage of Gulf States that have developed and implemented nutrient reduction strategies
- Percentage of Gulf States with numeric nutrient criteria in the following stages for at least one Gulf estuary:
 - draft
 - proposed
 - final (adopted)



Thank You

Thank you to all of our
team members and partners for your
hard work and dedication
to the Nutrient PIT!



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