

Products and benefits resulting from prior coordination workshops

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Overview

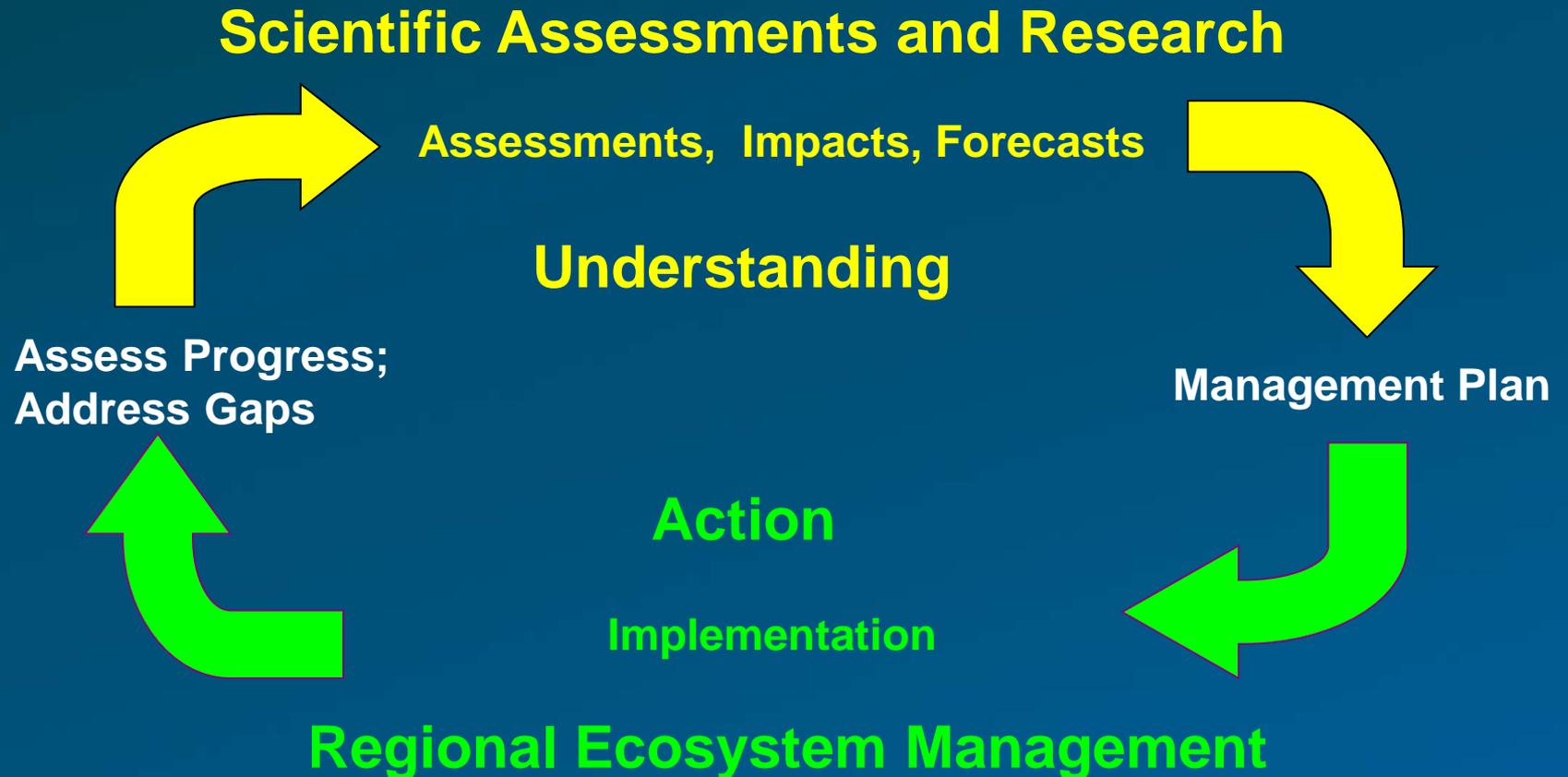
- General workshop goals
- Benefits to regional ecosystem management
- Review of specific workshop products
 - 2010
 - 2011

Overall Workshop Goals

- Coordinate hypoxia research
- Provide a forum to discuss latest findings
- Inform activities of Gulf Hypoxia Task Force and other regional ecosystem management efforts

Why these workshops are critical

An Adaptive Approach



An Adaptive Approach

Full implementation will require
\$ Billions \$

*“Adaptive management does not postpone actions until
“enough” is known about a managed ecosystem.....*

*Adaptive management aims to enhance scientific knowledge
and thereby reduce uncertainties.”*

Regional Coordination



Mississippi River
Gulf of Mexico
Watershed Nutrient
Task Force



- Focused on Gulf of Mexico
- Addressing nutrients and hypoxia
- Leveraging significant resources

Regional Coordination



Mississippi River
Gulf of Mexico
Watershed Nutrient
Task Force



Hypoxia Workshop

- Matrices
- Synthesis Reports
- Discussion Topics



Improved Understanding



Improved Decisions



Research Coordination



Improved Science

Hypoxia Coordination Workshop

2010 Overview

- Focused on monitoring and fisheries
 - Fisheries coordination report
 - Matrix of current hypoxia monitoring activities
 - Monitoring Coordination Plan and Report
 - Hypoxia Outreach and Communications Plan
 - Data Management

Outputs posted on Gulf Hypoxic Zone Monitoring Stakeholders Committee website:

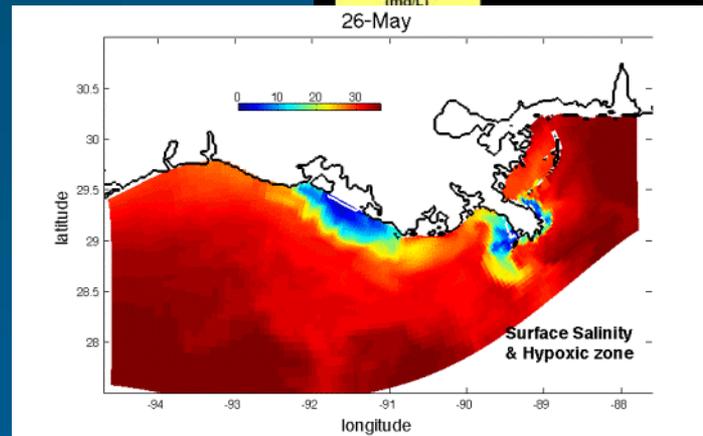
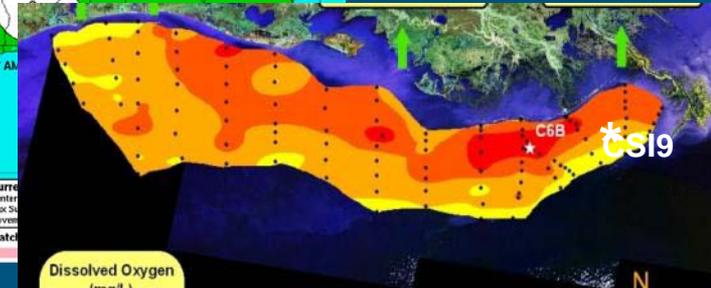
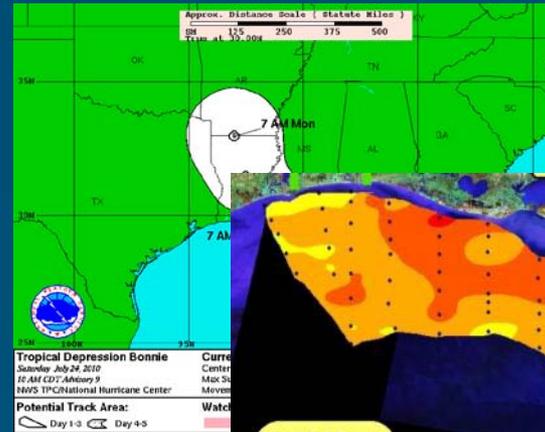
<http://www.ncddc.noaa.gov/activities/gulf-hypoxia-stakeholders/view>

Hypoxia Coordination Workshop

2010 Products

- Monitoring Coordination Report

- Seasonal and synoptic perspective
- Context to the mid-summer survey results
- Improved ability to measure progress
- *2011 Synthesis Report*



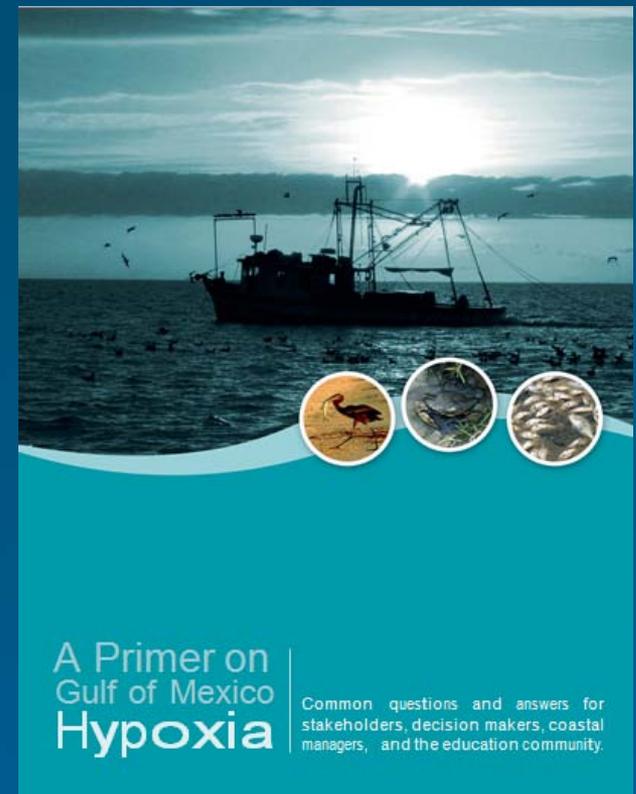
Hypoxia Coordination Workshop

2010 Products

- Primer on Gulf Hypoxia
 - Increases awareness
 - Increase engagement

Available at:

[http://www.gulfofmexicoalliance.org
/community/pubs.html](http://www.gulfofmexicoalliance.org/community/pubs.html)



Hypoxia Coordination Workshop

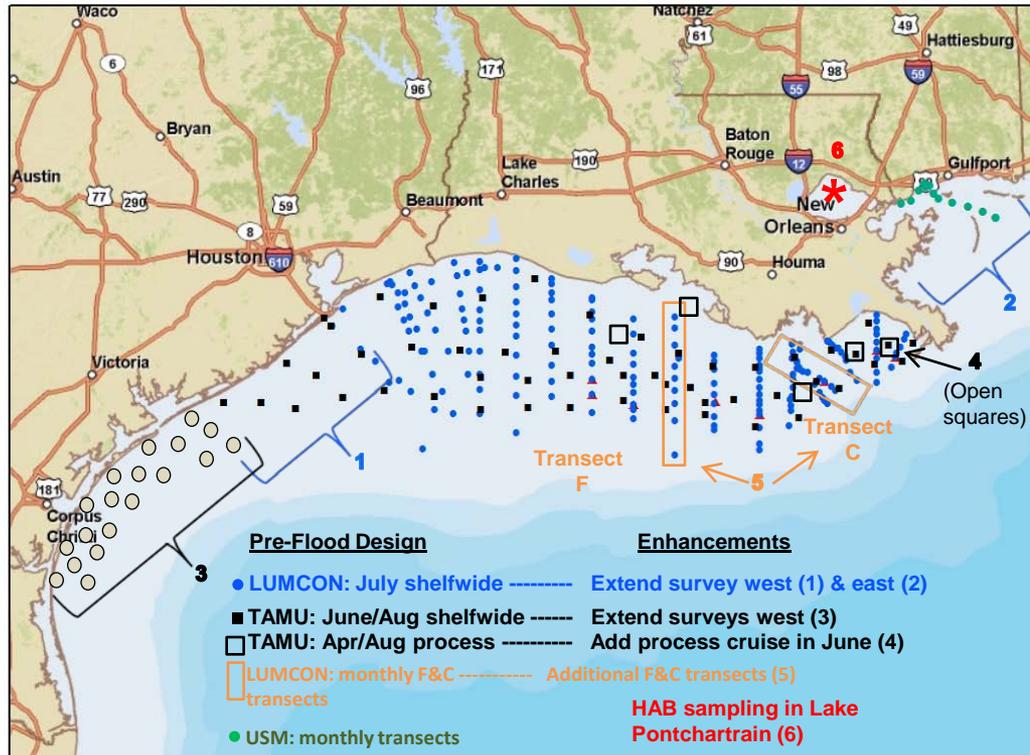
2011 Overview

- Focused on monitoring and modeling
 - Synthesis Report (nearing completion)
 - Matrix of current hypoxia monitoring activities
 - Matrix of Gulf hypoxia modeling activities
 - Forecast coordination
 - Communication Plan update

Hypoxia Coordination Workshop

2011 Products

- Monitoring Matrix and Mississippi River Flood



Hypoxia Coordination Workshop

2011 Products

- Modeling Matrix and Forecast Coordination
 - Alignment of modeling and forecasting capabilities
 - Coordinated timing of forecast release
 - Perhaps start of robust ensemble forecasts and transition to operations.

Hypoxia Coordination Workshop

2011 Products

- Collaborations with Weather Service
 - Data products to facilitate short-term hypoxia forecasts
 - 2012 Spring Flood Outlook
 - Perhaps start of more robust forecasting collaboration?

Thanks!

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