

SEA GRANT REGIONAL ACTIVITIES IN RESPONSE TO THE DEEPWATER HORIZON OIL SPILL

Steve Sempier

Mississippi-Alabama Sea Grant Consortium



Oil Spill Response
Research and Development Forum



Sponsored by CSE
Baton Rouge, January 10-11, 2012

What is Sea Grant?

- University-based program
- Network with presence in every coastal state
- Four focus areas



Sample of Sea Grant Oil Spill Related Activities

- Extension
- Education
- Research
 - ▣ Services
 - ▣ Funding





Extension and Education

Sample of Extension Work

- ▣ Alaska Sea Grant
- ▣ Peer listening
- ▣ Meetings, workshops, trainings
 - More than 83 events
 - At least 6,400 participants



Gulf of Mexico Research Initiative

□ Outreach Contributions

- ▣ Ecosystem Impacts of Oil and Gas Inputs to the Gulf (UM)
- ▣ The Effects of the Macondo Oil Spill on Coastal Ecosystems (LUMCON)





Research and Communication Services

Regional Website (gulfseagrants.org)

The Gulf of Mexico Sea Grant Programs

Florida | Louisiana | Mississippi-Alabama | Texas



Home

Oil Spill in the Gulf of Mexico

- [Resources](#)
- [Archived Links & Info](#)
- [Calendar](#)
- [Request for Proposals](#)
- [Research Database](#)

Research

- [Funded Projects](#)
- [Gulf of Mexico Research Plan](#)
- [Regional Research Projects](#)
- [Regional RFP](#)

Oil Spill in the Gulf of Mexico

The Gulf of Mexico oil spill site, hosted by the four Gulf Sea Grant programs, provides visitors with current information about the Deepwater Horizon oil spill, as well as easy access to the archives of science-based and objective content gathered in the wake of the spill. Content will be continually updated, and visitors should check back often for new and revised information.

The spill was caused by an explosion and subsequent fire that damaged a deepwater drilling platform approximately 50 miles southeast of Venice, La. The rig capsized and sank on April 22, 2010, after burning for hours. The rig was owned by Transocean and was under contract to British Petroleum (BP).

NOAA has established a toll-free number for fishermen to call for the coordinates of areas closed due to the oil spill. The number is 1-800-627-NOAA (1-800-627-6622).

Oil Spill Distress Helpline (1-800-985-5990)

[Developments](#) | [Claims Information](#) | [Human Health](#) | [Seafood Safety](#) | [Dispersants](#) | [Economic Value](#) | [Response/Recovery](#) | [Educational Information](#) | [Exxon Valdez](#)


DWH Research and Monitoring Clearinghouse

- Activities listed regardless of funding source
- Self reported activities
- NOAA NCDDC and Sea Grant led
- 203 activities
 - ▣ 94 monitoring activities
 - ▣ 181 research activities
 - ▣ 40 restoration activities



Texas • Louisiana • Florida
Mississippi-Alabama





DEEPWATER HORIZON OIL SPILL

Research and Monitoring Activities

[report a problem - submit a suggestion?](#)

Keyword query control

condition ☒ and ☐ or
environmental theme (0)

- Air quality
- Coastal and nearshore habitats
- Coral biology and reproduction
- Dispersants
- Ecosystem and community structure
- Ecosystem health and indicators

economic theme (0)

- Cleanup needs
- Economic damage assessments
- Ecosystem valuation
- Fate of oil
- Freight flow analysis
- Labor and workforce changes

social theme (0)

- Community resilience
- Cultural heritage
- Demographic changes
- Environment
- K-12 education
- Legal and policy analysis

type of sample (0)

- Air quality
- Biological
- Chemical
- Clinical
- Fauna
- Flora

type of work (0)

customize activity result page size: 10

[create activity report](#) [subscribe](#)

define activity search criteria:

keywords selected: none

report filters: none

classification of activity (0)

- Monitoring
- Research
- Restoration

location of work (0)

- Alabama
- Alabama state waters
- Caribbean
- Florida

funding agency (0)

- ADCNR
- Alabama Agricultural Experiment Station
- Alabama Division of Wildlife and Freshwater Fisheries
- BP

Full-text search - Enter your activity search criteria into the text field and press the **return/enter** key to submit.

Custom report - Select the 'create activity report' link (upper right) to view and print a report of the current results. Also - don't forget to bookmark for later use.

Custom subscription - Select the 'subscribe' link (upper right) to create an RSS subscription of the current results. IE 7/8 provide the best viewing experience.

Keyword search - Provides access to categories of keywords used in the survey form. The terms displayed represent terms that have been selected and indexed. Term selections complement the search criteria. A query can be submitted by selecting one or more terms - no search criteria required. See the 'How-to' tab on managing term selections.

Activity index report - Provides a detailed listing of activity details related to the current activity search. Anytime results are displayed, select this tab (left column) to see an alphabetic list of activity terms. The number to the right of each term represents the number of results displayed that are related to that term. You may select one or more terms within the index report. Selections made in this manner reduce the results to those activities related to the term(s) - selected. See the How-to tab for more on this feature.


[How-to](#)

[Activity index report](#)

More than 5,700 unique visitors; 70 countries

gulfseagrants.org

Brief Data Entry Form



Form not fully displayed? Press Ctrl+- key-combination until browser zoom-level adjusts for full display.

DEEPWATER HORIZON OIL SPILL Research and Monitoring Activities

Description	Project Support	Themes	Location	Science Support	Point of Contact
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Title of Activity * this is a required element * i.e. Deepwater Horizon Oil Spill Effects on Blue Crab Recruitment

Classification of Activity * this is a required element * * select all that apply *

☐ Monitoring (answers specific research questions)

☐ Research (provides information for dataset analysis, models, forecasts or related activities)

☐ Restoration (restores oil damaged habitats or communities)

Abstract and Keywords

Abstract

Keywords (i.e. Littoraria)

press enter between each

Next »

Gulf of Mexico Research Plan

- Service oriented
- Initiated in 2006 by NSG
- Input from broad set of stakeholders
 - More than 1,200 people from 260 organizations
- Phase II has now begun
 - More than 1,000 people



Objectives for GMRP II

1. Share oil spill science results
2. Assess how regional research needs may have changed
3. Develop strategies and foster processes to fund regional research



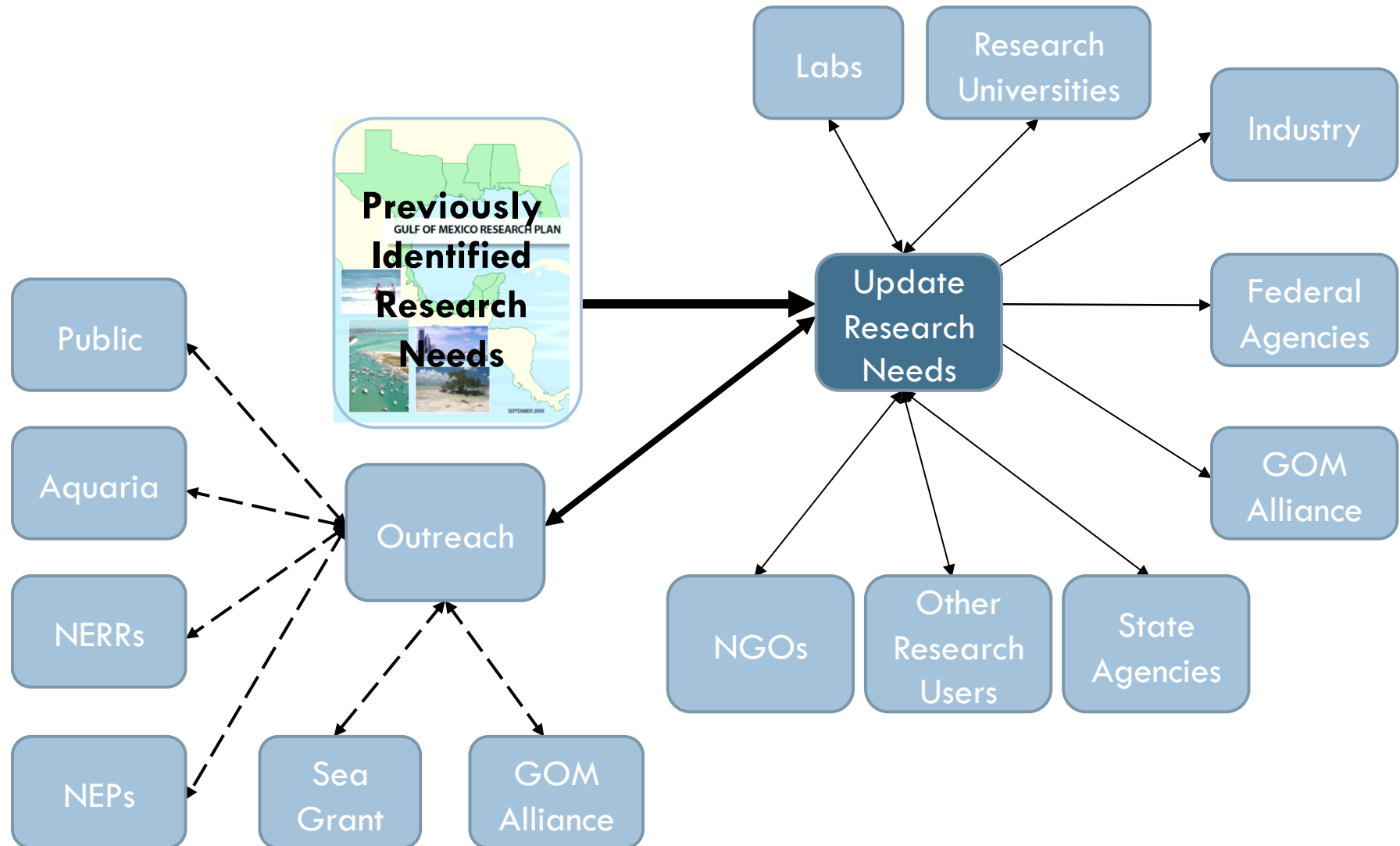
Collect Input and Update Regional Plan

- Synthesize results
 - Reports
 - Workshops (SG and others)
 - Surveys

- Update the Gulf of Mexico Research Plan



Multiple Groups Contribute to the Update



JOINT INDUSTRY
OIL SPILL PREPAREDNESS AND RESPONSE
TASK FORCE

GULF OF MEXICO RESEARCH PLAN
Deepwater Horizon Oil Spill
Research Needs Survey

Summary Statistics for the
Gulf of Mexico Research Plan
Deepwater Horizon Oil Spill Research Needs Survey

February 2011

STRATEGY FOR
Restoring the
Gulf of Mexico

Recommendations to the Gulf Coast
Ecosystem Restoration Task Force



NOAA Atlantic Oceanographic and Meteorological Laboratory and
NOAA Southeast Fisheries Science Center
Workshop on Deepwater Horizon Oil Spill Effects

The first NOAA oceanographic science workshop on the Deepwater Horizon oil spill

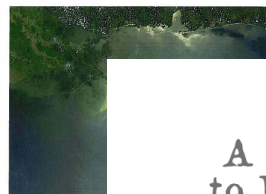
Deepwater Horizon Oil Spill Principal
Investigator (PI) Conference Final Report

Sponsored by the National Science and Technology
Council's (NSTC) Joint Subcommittee on Ocean Science
and Technology (JOST)

of South Florida
Petersburg, FL

2010

National Science Advisory Team (OSAT)
UNIFIED AREA COMMAND



Summary:
Sub-Sea :
Oil and Disj
Sampling

Paul F. Zukunf
Federal C
Deepw

A Roadmap
to Resilience:

Towards A Healthier
Environment, Society
and Economy for
South Alabama

DEEP WATER

The Gulf Oil Disaster and
the Future of Offshore Drilling

Collaborative Scientific Research Opportunities
Relative to the Gulf Oil Spill

Conference

November
New Orleans

Draft
Vision for Gulf Coast Recovery,
Restoration, and Protection

The Mississippi Gulf of Mexico Commission



America's Gulf

A Long Term Recovery Plan
Deepwater Horizon Oil



www.RestoreTheGulf.gov

September 2010

Photos by U.S. Coast Guard and U.S. Navy

EXECUTIVE SUMMARY

A Once and Future
Gulf of Mexico
Ecosystem

Restoration Recommendations
of an Expert Working Group

Charles H. Peterson
Falkia C. Coleman, Jeremy B.C. Jackson, B. Eugene Turner, Gilbert T. Rowe
Richard T. Barber, Karen A. Bjorndal, Robert S. Carey,
Robert K. Cowen, Jonathan M. Holsinger, James T. Hollibaugh,
Shirley B. Laika, Richard A. Luetich Jr., Craig W. Oviatt,
Stephen E. Riebel, Stanley Semner, John M. Teal and Ping Wang

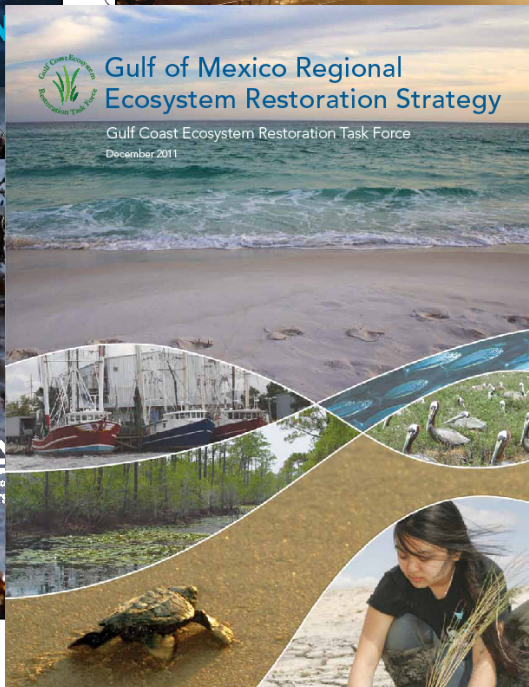
DEEPWATER HORIZON
OIL SPILL

SCIENTIFIC SYMPOSIUM MEETING SUMMARY
LOUISIANA STATE UNIVERSITY
JUNE 3, 2010



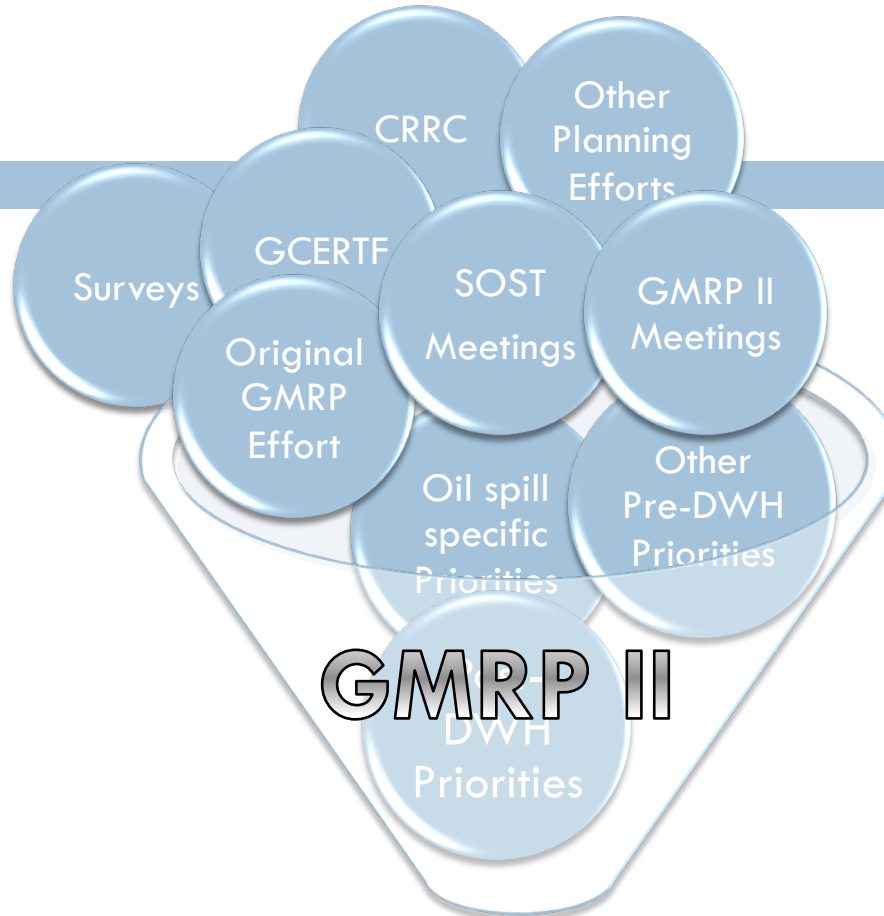
Gulf of Mexico Regional
Ecosystem Restoration Strategy

Gulf Coast Ecosystem Restoration Task Force
December 2011



KAP Photo/Glad Hebert

Transition from Research Planning to Action



Multiple planning efforts have collected research priorities, which will be synthesized through the GMRP update process.

Implementation and Use through Engagement





Research Funding

Regional Research Funding

Multiple competitions

- ▣ Ecosystem Service Valuation
- ▣ Marshes, mangroves, and oyster reefs
- ▣ \$1.7 million
- ▣ 2 projects, 17 researchers, 6 universities/organizations
- ▣ Sponsors: NOAA, Gulf of Mexico Sea Grant Programs, EPA Gulf of Mexico Program



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- NOAA NCDDC
- Regional partners supporting these efforts
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THANK YOU

gulfseagrant.org

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