

GULF OF MEXICO PROGRAM

MANAGEMENT COMMITTEE MEETING Meeting Summary August 23, 2007 Biloxi, MS



Roll Call - Welcome and Introductions

Bruce Moulton, State Co-Chair, and Myron Knudson, Federal Co-Chair, welcomed the Committee.

States Executive Session Report

All 5 states were present for discussions of the integration of the Gulf Program with the Alliance. It was agreed that significant progress is being made and the Program is growing. The Alliance is a good framework for regional governance for the Gulf of Mexico and for targeting the funding. It was suggested that the Citizens Advisory Committee should be better incorporated into the Alliance.

Federal Executive Session Report

Attendees discussed the Alliance and value that the Gulf Program has become more state-led and is moving forward in the international arena.

Gulf of Mexico Alliance – Status Brief - Governors’ Action Plan and Leadership Structure

Stephanie Bailenson, Florida Department of Environmental Protection, and Bill Walker, Mississippi Department of Marine Resources, reported on the extraordinary progress of the Gulf of Mexico Alliance. The Alliance has garnered regional support from the Governors as well as legislative and federal support. The goals and objectives are being achieved with existing funding. The Federal Agencies are meeting August 24 to discuss Federal support for the Alliance and on August 25 the Governors and legislators will meet with the Federal Agencies and states to discuss their commitment to support the Alliance

Overview of the Alliance’s July 10-11, 2007, “Action Plan Implementation and Integration Workshop” – Next Steps

Stephanie Bailenson reported that of the 73 actions in the Action Plan 14 (19%) have been completed and 73% (53) are on track with only 6 (8%) pending. Some of the 2008 priorities for **Water Quality** are HABs Forecast Models and Applications Enhancements; Mexico HABs Pilot Expansion; Microbial Source Tracking Integration w/ Nutrients Team; Prepare for 2nd Round of National Water Quality Monitoring Council’s Regional Implementation Pilot Competition. Priorities for **Nutrients** are Microbial Source Tracking – Standardize Parameters & Pilot Implementation; and Numerical Nutrient Criteria Development Support to States. Coastal Restoration priorities are to support Implementation of the Regional Sediment Management Master Plan; Integrate Findings and Supporting Action Priorities of the State Workshops; and Convene Gulf of Mexico Interstate Workshop on Freshwater Inflows regarding Sustaining Estuarine Ecosystem Health. **Habitat ID** priorities: Obtain and Integrate Gulf States Habitat Data into the Priority Habitat Information System (PHINS); Expand from Seagrass Data to include all other Coastal Habitat Data, Bathymetry, Sediments, etc.; and Partner with Environmental Education to Help with PHINS Utilization and Support Metadata Training Gulfwide. **Environmental Education**: Initiate and Sustain a Gulfwide Public Awareness Campaign; Complete “Regional” Coastal Ecosystem Learning Center Network Development (Mississippi & Louisiana); Create and Support Gulfwide Network for Effective Environmental Education; and Integrate Formal and Informal Environmental Education Tools and Audiences.

Report on Important Emerging Legislative Actions Relevant to the Alliance and/or Gulf Program

Bill Walker discussed some of the relevant legislative actions. "Current Bills Impacting Regional Collaboration" is included in the briefing book. Two bills in particular include S. 1126 introduced by Senator Trent Lott for the Gulf of Mexico Restoration and Protection Act which amends the Federal Water Pollution Control Act to reestablish the Gulf of Mexico Program Office. H. 1729 includes an amendment by Congressman Jindal for funding for the Gulf Program for hypoxia support.

Coastal America Update: Designation of Veracruz Aquarium and J.L. Scott Marine Education Center as Coastal Ecosystem Learning Centers (CELCs)

The first international Coastal Ecosystem Learning Center was designated in Veracruz, Mexico, on June 14, 2007. The prestigious designation was presented by Lynn Scarlett, Deputy Secretary of the Department of the Interior. Governor Herrera of the State of Veracruz and Dr. Vargas Prieto, Secretary of the Environment and Natural Resources were among the dignitaries. Bryon Griffith presented the federal partnership commitments to the Veracruz Aquarium. The commitments included library and educational materials, an ocean news kiosk, exhibit development and educational curriculum, seminar exchange programs and technical support.

A request has been circulated for commitments from Federal agencies to be announced at the CELC designation ceremony for the J.L. Scott Marine Education Center in Ocean Springs, MS. The ceremony, initially scheduled for August 24, has been moved to October. J.L. Scott's "wish list" of items has been sent to all the federal agencies and partners and responses should be sent to the Gulf Program by August 21. Recall that the original J.L. Scott MEC was destroyed in Hurricane Katrina, is rebuilding from the ground up, and all assistance will be very much appreciated.

Recently, Jim Connaughton of the Council of Environmental Quality spoke to the interagency ICOSRMI senior agency officials group and requested that they make an extra effort to develop significant contributions for J.L. Scott.

Gulf Business and Industry Initiatives

Flinda Hill, Mississippi Power, spoke about the Business Council's Contribution in support of proposed legislative action S. 1126. The Council sent letters of support to respective Governors, the Gulf Congressional delegation, and trade organizations. The Bill is very well written and has been a long time coming. The timing is right because of the U.S. Ocean Action Plan and the Gulf of Mexico Alliance and the need is underlined by Hurricanes Katrina and Rita. The Council strongly supports the Gulf Alliance, participates on the Focus Groups and Teams, participates through the Corporate Wetlands Restoration Partnership (CWRP) and National Fish and Wildlife Foundation (NFWF) opportunities, participates in selection and awards for the Gulf Guardian Awards, and has potential for funding and in-kind services. The Business Council is considering a Congressional Breakfast for the Gulf Program.

FY 07 Program Accomplishments Report

Gloria Car, GMPO, reported on the FY 07 Gulf Program accomplishments which include the following:

Water Quality: 38 impaired segments have been delisted from the baseline 303(d) listings in the Gulf of Mexico priority areas. The cumulative total is 109, which exceeds the commitment of 56 for FY 07. Additionally, the Gulf Program developed and initiated a "Surf Your Gulf Watershed" web page at <http://www.epa.gov/gmpo/surfgulf/>.

Habitat: Initiated projects to restore, enhance, protect 2, 202 acres of coastal and marine habitat in FY 07. The total of acres is 18,660 achieved toward the 2009 goal of 20,000, well ahead of the FY 07 goal of 15, 800.

Public Health: Funding through EPA's Advanced Monitoring Initiative provided expansion for the binational red tide monitoring system framework (HABSOS) to Veracruz, Mexico. The expansion is on course with the system operational in South Florida and South Texas and 2 new buoys and 3 brevebuster sensors to be added in Veracruz awaiting permit approval in Mexico. The HABSOS webpages are operational in Spanish.

Public Health: Supported Gulf States efforts to identify and prepare for the implementation of required post-harvest treatment capacity of 50% of all oysters intended for raw, half-shell market during May to Sept. Reduction in illness rate reported this past year represents a 40% reduction from the baseline for the core reporting states which include Florida, Texas, and Louisiana. Data is not available yet to report the illness rate for this year.

Enhance Collaboration with Partners: Served as co-lead for Federal Workgroup helping Gulf States in identification and implementation of priority actions incorporated in Gulf Alliance Governors' Action Plan. For Quarterly Management Report, progress reported toward number of near-term actions, with the leverage of the Federal Workgroup partnership, is at 92% completed or on track at this time.

Coastal America Principals have unanimously approved the GMP's recommendation to designate the Veracruz Aquarium as the 1st International Coastal Ecosystem Learning Center. Ceremony was conducted on June 14th in Veracruz. Veracruz Governor sponsored and attended the ceremony. The J.L. Scott Marine Education Center in Ocean Springs, MS, was also unanimously approved for designation.

Completed Phase I of multi-state nutrient characterization of estuarine ecosystems in the Northern Gulf as related to concentrations and loadings. Phase II actions have been identified and prioritized. Eight waterbodies were selected for additional analysis for nutrient load-response characteristics. Areas will be selected for proposed approaches to the development of site specific nutrient criteria. The Northern Gulf Nutrient Pilot Study will be expanded to Florida and Texas. Nutrient Criteria Conference held in January 2007. Developed from the conference: compilation of state collected nutrient parameters; compilation of "State Approaches to the Development of Numeric Nutrient Criteria"; and, a compilation of State chlorophyll a testing methodologies.

In support of Gulf Hypoxia efforts, identifying top 100 nutrient-contributing watersheds in the MS River Basin. EPA is funding USGS through the process of reworking the SPARROW Model. The revised model should allow for better differentiation and will be used to indicate where in the top 100 Watersheds the major sources of nitrogen and phosphorus are located and where to target reduction efforts.

Coordinated a successful decentralized wastewater conference in Biloxi, sponsored by GMPO, Region 4, and Headquarters, along with numerous State, regional and local entities. With over 100 attendees, the conference focused on state of the art technology, successful management and governance models, obstacles to implementation as well as needed next steps. A similar conference focusing on developers will be held in early FY08.

Continued expansion of Regional Microbial Source Tracking technologies and improved methods development and validation to assist state agencies with ability to define

contamination source. Workshop held Dec 6-8, 2006, in Biloxi. Providing funding for a collaborative partnership among scientists, state and federal agencies to support and increase effective regional interaction to improve the current state of the science knowledge and application of real-time, field-tested methods.

Awarded grants for \$50K each in January to the five MS coastal counties in support of the Gulf Region Water Utility Act which created County Utility authorities for water, wastewater, and storm water infrastructure planning in the aftermath of Hurricane Katrina. This funding was instrumental in start-up for the Counties.

Review and Endorsement of Proposed FY08 Program Workplan

The Management Committee unanimously endorsed the FY08 Program Workplan and requested that it be sent forward to the Policy Review Board for final endorsement.

Binational Harmful Algal Bloom Veracruz Monitoring Pilot

Bryon Griffith reported that the Gulf Program hosted a Binational Harmful Algal Bloom meeting in New Orleans, July 31, 2007. The objectives for the meeting were to:

- Expand the Harmful Algal Blooms Observing System (HABSOS) into the State of Veracruz, Mexico
- support the Gulf-wide, bi-national partnership
- develop regional data management and communications systems
- provide timely access to data and information for detecting, tracking and forecasting harmful algal blooms events and their effects of public health and natural resources.
- Identify opportunities, obstacles and challenges for full implementation of the Gulf of Mexico component of the Global Coastal Ocean Observing System, expanding the network to be established in Veracruz towards the other Mexican Gulf states.

Upon completion of the project, there should be established a binational, web-based data management and communication system (http://www.ncddc.noaa.gov/website/Habsos_nrt/viewer.htm) composed of linked databases, models, remote sensing products and GIS tools that expand the capabilities of coastal resource agencies to rapidly collect and disseminate data and information on HABs events and related environmental factors

The NOAA NCDDC upgraded website and upgrade to ArcIMS now includes Spanish versions. The Naval Research Laboratory initial applications include satellite ocean color remote sensing algorithms that will be established and validated for HABs in Veracruz waters. The results of this project will form the basis for full implementation of a binational HABSOS and the regional ocean observing system, and support the objectives of the Gulf of Mexico States Partnership Initiative and the binational Accord. The University of South Florida will provide HAB taxonomy training.

NASA Remote Sensing – Gulf of Mexico Alliance Applications Initiative

Mark Glorioso, NASA, reported that NASA's Stennis workforce will transition to support the Gulf of Mexico Alliance. The major objectives are to increase collaborations with Federal, state, and local users and to (1) Create an advisory committee; (2) Host workshops to determine user-needs (3) Evaluate NASA data for coastal management suitability; and (4) Explore related disciplines relative to coastal management.

Wastewater to Wetlands

Phil Bass, EPA, and Jerry Cain, MDEQ reported that the Mississippi Gulf Coast Region Utility Act signed by Governor Barbour in April, 2006, emphasized the need for consolidation of water, wastewater, and storm water services to reduce costs, promote resilience, improve quality of natural environment, and improve planning and delivery of water, wastewater, and storm water services. Sixty-two projects have been recommended for funding:

- Water projects - \$242.7 million
- Wastewater projects - \$332.9 million
- Storm Water projects - \$7.5 million

Initial considerations for wastewater to wetlands are the distance to wetlands, type and size of wetland, landowner issues, industrial discharges, and effectiveness. Other issues involved include benefits to the wetland, potential wetland mitigation, carbon sequestration, and State and Federal regulations and policies.

GMPO support has been for start-up funding, technical support, and decentralized wastewater workshops. The Gulf Program has coordinated with Region 4 and Louisiana for wetland tours in support of wastewater to wetlands, planned workshops for developers, and is investigating pilot projects to demonstrate the effectiveness.

USGS/DOI Alliance Coordination

Dawn Lavoie, USGS, reported on USGS Science in the Northern Gulf which includes:

- Science for sound management and conservation of U.S. biological resources
- Basic geospatial data, access to and new applications of these data, and other earth science information, for users worldwide
- Objective, reliable earth-science information on geologic hazards, geologic resources, and U.S. geologic framework
- Hydrologic information and understanding for best use and management of U.S. water resources

Coordination of Alliance priorities for USGS are:

Habitat Identification - PHINS – Priority Habitat Information System and Flashmap – Florida Shelf Habitat Mapping.

Restoration - Regional Sediment Master Plan – collaboration with NOAA & USCOE; Ecosystem models to forecast the habitat structure and succession following hurricane disturbance; Ecosystem modeling in Florida, ATLSS (Across Trophic Level System Simulation), is geared towards species response in Everglades; and Resiliency Science - sea-level rise, ecosystem vulnerability, subsidence; Assessment of Coastal Change Hazards: Sea-level Rise.

The goal of USGS work with the evolution of Northern Gulf of Mexico Coast Barrier Islands is to:

- Examine historical changes in the land area of Mississippi-Alabama barrier islands between the mid-1800s and 2005 using historic maps and aerial photographs, and
- Understand the processes by which severe storms act to abruptly modify these barriers.

Status of "Envisioning the Future of Coastal Zone Management"

John H. Dunnigan, NOAA, Assistant Administrator for Ocean Services and Coastal Zone Management, gave a presentation on Coastal Zone Management Act (CZMA) which is the primary tool for comprehensive management of our nation's coastal resources. CZMA offers two key incentives for states to develop approved coastal management *programs*:

- Grants for program development and implementation

- Federal consistency authority
- The CZMA is up for reauthorization and legislation will be introduced in early 2008. NOAA and CSO are partners in a project to develop a vision for an improved Coastal Zone Management Act and identify methods for improving program implementation at the state and national levels. The outcome should be a report of *core* principles and specific ideas and solutions to guide NOAA and CSO in development of CZMA reauthorization proposals and policy changes at the federal and state levels. There are 3 phases:
 - **Phase I: Discussion Paper** on Challenges and Key Questions
 - **Phase 2: Interviews** with State-Level Managers
 - **Phase 3: Stakeholder Meetings**- 5 national stakeholder meetings (and 6-state hosted meetings).

Some of the top identified challenges are growth and land use and coastal water quality. Other important issues are coastal habitat, public access and waterfronts, ocean uses, coastal hazards. The top emerging issue is climate change.

General conclusions are that a new CZMA must be prioritized and strategic with clear and measurable goals and objectives, accountable by National and state governments, and coordinated by Federal, state, regional and local entities.

Now the CZMA sets a policy to “preserve, protect, develop, and where possible restore and enhance” resources of the coastal zone. In the future, it will focus *on* a few key goals of national interest and set measurable objectives. State-federal partnership will develop robust comprehensive assessments; states will develop plans with measurable objectives; and states will be evaluated on progress toward objectives. There will be required re-delineation of coastal zone boundaries using ecological principles with consideration for political boundaries. The role of local governments will be significantly strengthened and provided more integrated technical assistance. Through better state-level planning and assessment, greater clarity is provided to agencies and ocean users.

Gulf Regional Sediment Management Master Plan

Larry Parson, USACE, discussed how the Regional Sediment Management Master Plan supports restoration in the following ways:

- Sediment is a basic element within natural systems
- Ecosystems and wildlife are affected the most
- Challenge to states: protect, restore, and conserve these valuable resources
 - develop policies, funding mechanisms, and optimal regional utilization of sediment resources
- Requires holistic approach
 - recognizing sediment as a regional resource
 - change practice of project specific management
 - more effective management decisions
 - not just moving sediment from one place to another
 - in concert with natural processes

The goals of the Master Plan are to:

- Develop understanding of sediment system dynamics towards management of sediment resources
- Provide information to inform activities involving sediment and prioritize uses of sediment resources
- Recommend streamlined approach for regulatory and policy processes that considers biodiversity and environmental considerations
- Leverage resources for inter-related programs and projects

- Facilitate effective sediment management across political boundaries
- Use best management practices in managing resources and minimize secondary adverse impacts
- Promote information exchange about Gulf region sediment resources and related management needs
- Inventory available sediment resources and needs
- Encourage stakeholder participation in development and implementation of sediment management strategies

Hypoxia Reassessment and Update

Phil Bass, GMPO, reported that the completion of the recommendations and revisions for the reassessment as well as the Task Force adoption of the draft revised Action Plan is scheduled for the Fall of 2007. By March 2008, the Task Force should agree to the Draft Gulf Hypoxia Action Plan and it will be published.

The Science Advisory Board charge was to:

- Address the state of the science of hypoxia as well as the scientific basis for mitigating hypoxia through management options
- Focus on scientific advancements since 2000 relating to 3 general areas:
 - Characterization of the Causes of Hypoxia
 - Characterization of Nutrient Fate, Transport and Sources
 - Scientific Basis for Goals and Management Options

The Draft Hypoxia Action Plan discusses:

- The importance of adaptive management
- Setting targets for nutrient reduction
- Protecting water quality & social welfare in the Basin while reducing the areal extent of the Gulf hypoxic zone

The recommendations are for:

- Conservation Practice management framework
- Strategic conservation measures & approach to evaluate success of reaching goals
- Enhanced monitoring at different temporal and spatial scales
- Modeling and monitoring approaches addressing critical management questions
- 45% N load reduction goal
- 40% P load reduction goal
- Reassess/revise N & P goals within adaptive management framework as new information becomes available
- More important to move in a “directionally correct” fashion and learn from monitoring results, rather than delay action

The findings are that the coastal goal is appropriate for now but may need to be revised in the future. Reducing the hypoxic zone and enhancing Basin water quality are inextricably and positively linked, and there are co-benefits of nutrient reduction and greenhouse gas mitigation, improved wildlife habitat and recreational opportunities, and flood control and other ecosystem services. Social benefits will likely exceed social cost over the long run, if not the short term, and thus enhance social welfare.

The most effective/optimal agricultural practices likely include:

- drainage water management,
- conservation tillage,
- manure management,
- changing fertilizer application rates and timing,
- crop rotation,
- cover crops,

- conservation buffers,
- wetlands enhancement
- Watersheds with greatest potential for N and P reductions should be targeted for action to ensure cost-effectiveness
- Targeting allows optimization of cost and benefits.
- An array of economic incentives are recommended to encourage conservation.

Atmospheric deposition and urban/suburban storm water runoff are the two major non-agricultural nonpoint sources. Recommendations are for:

- Tighter limits on sources of NOx emissions would assist hypoxia reduction and improve water quality.
- Incorporating water quality benefits into decisions involving:
 - Retirement or retrofitting of old coal-fired power plants,
 - NOx controls - extension of current summertime NOx standards to a year-round requirement,
 - Emissions standards & mileage requirements for SUV's, heavy trucks and buses.

The Action Plan *recommends* effective Technologies for Municipal and Industrial Point Sources which include:

- Upgrade sewage treatment plants in MARB to Biologic Nutrient Removal (BNR) or Enhanced Nutrient Removal (ENR) technologies (N: 3.0 mg/l & P: 0.3 mg/l)
- MARB sewage treatment plants upgrade to achieve total N concentrations of 3 mg/L and total P concentrations of 0.3 mg/L.
- For industries with high nutrient discharges
 - Use a targeted permit by permit approach.
 - Evaluate for opportunities to reduce N and P discharges through pollution prevention, process modification or treatment

Citizens Advisory Committee Report

Jim Kachtick, CAC Liaison with the Management Committee, reported that the last meetings of the Citizens Advisory Committee were held in Waco, TX, in November 2006 and at Stennis Space Center, MS, in June 2007. At present there are four vacancies: Florida – Business, Environment, and Fisheries, and Texas – Fisheries. In 2009, terms for several members will expire. The next meeting will be in Houma, LA, in February 2008.

Committee Roundtable Discussion

Bruce Moulton and Myron Knudson on behalf of the Management Committee recognized Columbus Brown, Fish and Wildlife Service, for his many years on the Committee because this meeting was his last before his retirement in January 2008.

GULF OF MEXICO PROGRAM
Follow-up Action Item Summary
Management Committee Meeting
August 23, 2007



ACTION REQUESTED	LEAD(s)	STATUS
FY 2008 Gulf Program Workplan Endorsement	PRB	The PRB provided unanimous approval at meeting on November 14, 2007
Provide information regarding legislative actions to Committee members. Post on website.	Gulf Program Office	Ongoing.
<p>Coastal Ecosystem Learning Center Expansion – Gulf Region (J.L Scott Marine Education Center, MS)</p> <p>The formal Designation Ceremony of the J.L. Scott Center is being planned for October 2007. Request agencies to send out information regarding the contributions for the Center.</p>	Gulf Program Office	The J.L. Scott Marine Education Center in Ocean Springs, MS, designation ceremony was conducted in November with First Lady Laura Bush and MS Governor Haley Barbour in attendance. The list of Federal contributions is included in the briefing book.
Suggestion for next MC meeting to be hosted at Stennis Space Center in order to showcase capacity available.	Gulf Program Office	GMP’s River House Conference Facility is currently under total renovation for mold mitigation and will not be available for up to 1 year. GMP will investigate an alternate meeting space at Stennis Space Center for a meeting in 2009.



Management Committee Meeting

August 23, 2007

Quality Inn Hotel
2416 Beach Blvd.
Biloxi, MS 39531
Ph: 228-388-1000

- AGENDA -

8:00am – 9:00am State Executive Session
Federal Executive Session

Thursday, August 23, 2007

- 9:00am** Welcome and Introductions
Myron Knudson, Federal Co-Chair (EPA)
Bruce Moulton, State Co-Chair (TX)
- 9:15am** Overview of Meeting Agenda & Objectives
Bryon Griffith, Director, Gulf of Mexico Program Office
- States Executive Session Report
Bruce Moulton, TX
- Federal Executive Session Report
Myron Knudson, EPA
- Status Review of Follow-up Action Items
Bryon Griffith

Critical Initiatives / Priorities

- 10:00am** Gulf of Mexico Alliance – Status Brief
Governors’ Action Plan and Leadership Structure
Bill Walker, Mississippi DMR
Stephanie Bailenson, Florida DEP
- Overview of the Alliance’s July 10-11, 2007, “Action Plan Implementation and Integration Workshop” – Next Steps
Stephanie Bailenson
- 10:30am** ----- BREAK -----
- 10:45am** Report on Important Emerging Legislative Actions
Relevant to the Alliance and/or Gulf Program
Bill Walker
NOAA, Margaret Davidson
- 11:15am** Coastal America Update: Designation of Veracruz Aquarium and J.L. Scott
Marine Education Center as Coastal Ecosystem Learning Centers (CELCs)
Bryon Griffith

- 11:30am** **Gulf Business and Industry Initiatives**
Flinda Hill, Mississippi Power
- 11:40am** **FY 07 Program Accomplishments Report**
Gloria Car, GMPO
- Review and Endorsement of Proposed FY08 Program Workplan**
Bryon Griffith
- 12:00pm** **Lunch**
- 1:30pm** **Special Projects/Area Reports**
- Binational Harmful Algal Bloom Veracruz Monitoring Pilot**
Bryon Griffith/NOAA
- NASA Remote Sensing – Gulf of Mexico Alliance Applications Initiative**
Mark Glorioso, NASA
- Wastewater to Wetlands**
Phil Bass, EPA
Jerry Cain, MDEQ
- USGS/DOI Alliance Coordination**
Dawn Lavoie, USGS
- 3:15pm-----** **BREAK** **-----**
- 3:30pm**
- Status of "Envisioning the Future of Coastal Zone Management"**
John H. Dunnigan, NOAA, Assistant Administrator for
Ocean Services and Coastal Zone Management
- Gulf Regional Sediment Management Master Plan**
Larry Parson, USACE
- Hypoxia Reassessment and Update**
Phil Bass
- 4:30pm** **Citizens Advisory Committee Report**
Jim Kachtick/Casi Callaway
- 4:45pm** **Committee Roundtable Discussion**
Bruce Moulton & Myron Knudson
- 5:00pm** **Wrap-up / Next Steps**
Bryon Griffith

Tentative Evening Social



GULF OF MEXICO PROGRAM
Gulf of Mexico Program - Management Committee Meeting
08/23/07

ATTENDEE LIST

Becky Allee

National Oceanic and Atmospheric Administration
Gulf Coast Services Center
National Data Buoy Center
Bldg 1100, Room 360
Stennis Space Center, MS 39529
(228) 688-1701
Email: becky.allee@noaa.gov

Diane Altsman

U.S. EPA/Gulf of Mexico Program Office
Mail Code EPA/GMPO
Stennis Space Center, MS 39529-6000
(228) 688-7015
Email: altsman.diane@epa.gov

Stephanie Bailenson

Florida Department of Environmental Protection
3900 Commonwealth Blvd.
Mail Stop 235
Tallahassee, FL 32399
(850) 245-2094
Email: stephanie.bailenson@dep.state.fl.us

Phil Bass

U.S. EPA/Gulf of Mexico Program Office
Mail Code EPA/GMPO
Building 1100, Room 232
Stennis Space Center, MS 39529-6000
(228) 688-2356
Email: bass.phil@epa.gov

John Bowie

EPA GMPO
Building 1100, Room 232
Stennis Space Center, MS 39529
(228) 688-3888
Email: bowie.john@epa.gov

Jeanne Allen

U.S. EPA/Gulf of Mexico Program
Building 1100, Room 232
Stennis Space Center, MS 39529-6000
(228) 688-2761
Email: allen.jeanne@epa.gov

Len Bahr

Louisiana Governor's Office of Coastal
Activities
1051 North 3rd Street, Suite 138
Baton Rouge, LA 70802
(225) 578-5174
Email: len.bahr@gov.state.la.us

Tom Ballou

Sherwin Alumina Company
P.O. Box 9911
Corpus Christi, TX 78469-9911
(361) 777-2352
Email: tballou@sherwinalumina.com

Russ Beard

NOAA/NCDDC
Bldg 1100
Suite 101
Stennis Space Center, MS 39529
(228) 688-3026
Email: russ.beard@noaa.gov

Columbus Brown

U.S. Department of the Interior
U.S. Fish and Wildlife Service
1875 Century Blvd., Suite 205
Atlanta, GA 30345
(404) 679-4143
Email: columbus_brown@fws.gov

Lael Butler

EPA/GMPO
Building 1100
Stennis Space Center, MS 39529-6000
(228) 688-1576
Email: butler.lael@epa.gov

Rafael Calderon

The Nature Conservancy of Texas
P.O. Box 2563
Corpus Christi, TX 78403
(361) 882-3584
Email: rafael_calderon@tnc.org

Michael Carron

NGI
Box 9652
Mississippi State, MS 39762
(228) 688-3228
Email: mcarron@ngi.msstate.edu

Camille R. Destafney

Commander Navy Region Southeast
P.O. Box 102
NAS Jacksonville, FL 32212-0102
(904) 542-8274
Email: camille.r.destafney@navy.mil

Mark Glorioso

National Aeronautics and Space Administration
Applied Research and Technology Office
Stennis Space Center, MS 39529
(228) 688-1940
Email: mark.v.glorioso@nasa.gov

Sharon Hayes

U.S. EPA/Gulf of Mexico Program Office
Mail Code EPA/GMPO
Stennis Space Center, MS 39529-6000
(228) 688-3506
Email: hayes.sharon-e@epa.gov

Flinda Hill

Mississippi Power Company
Environmental Quality Department
P.O. Box 4079
Gulfport, MS 39502-4079
(228) 865-5152
Email: frhill@southernco.com

Jerry W. Cain

Mississippi Department of
Environmental Quality
P.O. Box 10385
Jackson, MS 39289-0385
(601) 961-5100
Email: jerry_cain@deg.state.ms.us

Gloria Car

U.S. EPA/Gulf of Mexico Program Office
Mail Code EPA/GMPO
Stennis Space Center, MS 39529-6000
(228) 688-2421
Email: car.gloria@epa.gov

Margaret Davidson

NOAA
Coastal Services Center
2234 South Hobson Avenue
Charleston, SC 29405
(843) 740-1220
Email: margaret.davidson@noaa.gov

Jack Dunnigan

NOAA Fisheries Service
National Ocean Service
1305 East-West Highway
Silver Spring, MD 20910
(301) 713-2334
Email: jack.dunnigan@noaa.gov

Bryon Griffith

U.S. EPA/Gulf of Mexico Program Office
Mail Code EPA/GMPO
Stennis Space Center, MS 39529-6000
(228) 688-1172
Email: griffith.bryon@epa.gov

John Haynes

NASA
Washington, DC 20546
(202)358-4665
Email: jhaynes@nasa.gov

Phillip Hinesley

AL Department of Conservation &
Natural Resources
31115 Five Rivers Blvd.
Spanish Fort, AL 36527
(251) 621-1216
Email: phillip.hinesley@dcnr.alabama.gov

Sharon Hodge

Northern Gulf Institute / Mississippi State Univer
1103 Balch Blvd. Room 233
Stennis Space Center, MS 39529
(228) 688-3099
Email: shodge@ngi.msstate.edu

James Kachtick

9035 Hendon Lane
Houston, TX 77036
(713) 772-2598
Email: JKachtick@aol.com

Debbie Larson

National Ocean Service NOAA
(301) 713-3074
Email: Debbie.larson@noaa.gov,

R. Michael Lyons

Louisiana Mid-Continent Oil & Gas Association
801 North Boulevard
Suite 201
Baton Rouge, LA 70815
(225) 387-3205
Email: lyons@lmoga.com

Bruce Moulton

Texas Commission on Environmental Quality

Water Policy & Regulations Division
P.O. Box 13087 (MC: 203)
Austin, TX 78711-3087
(512) 239-4809
Email: bmoulton@tceq.state.tx.us

James Palmer

U.S. Environmental Protection Agency/Region 4

61 Forsyth Street, SW
14th Floor
Atlanta, GA 30303-8960
(404) 562-8357
lary.e.parson@sam.usace.army.mil
Email: palmer.jimmy@epa.gov

Bob Joseph

USGS Texas
8027 Exchange Drive
Austin, TX 78681
(512) 927-3502
Email: rjoseph@usgs.gov

Myron Knudson

U.S. Environmental Protection
Agency/Region 6
1445 Ross Avenue
Suite 1200
Dallas, TX 75202-2733
(214) 665-3136
Email: knudson.myron@epa.gov

Dawn Lavoie

U.S. Geological Survey
Big Branch Wildlife Refuge
61389 Hwy 434
Lacombe, LA 70445
(985) 882-2011
Email: dlavoie@usgs.gov

Ned Meister

Texas Farm Bureau
P.O. Box 2689
Waco, TX 76702-2689
(254) 751-2457
Email: nmeister@txfb.org

Mark Ornelas

Alabama Department of Environmental
Management
2204 Perimeter Road
Mobile, AL 36615
(251) 450-3400
Email: meo@adem.state.al.us

Larry Parson

US Army Corps of Engineers, Mobile
District
109 St. Joseph Street
Mobile, AL 36602
(251) 690-3139
Email:

Rost Parsons
NOAA/NCDDC
Bldg 1100, Suite 106
Stennis Space Center, MS 39529
(228) 688-4413
Email: rost.parsons@noaa.gov

Heidi Recksiek
NOAA/NOS Coastal Services Center

P. O. Box 926
Eastpoint, FL 32328
(850) 728-1810
Email: heidi.recksiek@noaa.gov

David Shaw
GeoResources Institute

Box 9652
MS State University, MS 39762
(662) 325-9573
Email: dshaw@gri.msstate.edu

Terry Teague
U.S. EPA/Gulf of Mexico Program

Mail Code EPA/GMPO
Stennis Space Center, MS 39529-6000
(228) 688-3726
Email: teague.terry@epa.gov

Danny Wiegand
USEPA Gulf of Mexico Program Office
EPA/GMPO
Building 1100, Room 232
Stennis Space Center, MS 39529-6000
(228) 688-2041
Email: wiegand.danny@epa.gov

Lee Yokel
DISL-GOMA
Dauphin Island Sea Lab
101 Bienville Blvd
Dauphin Island,, AL 36528
(251) 861-8201
Email: lyokel@disl.org

William S "Corky" Perret
Mississippi Dept. of Marine Resources
1141 Bayview Avenue
Biloxi, MS
(228) 523-4082
Email: corky.perret@dmr.ms.gov

Dugan Sabins
Louisiana Department of Environmental
Quality
Office of Environmental Assessment
P.O. Box 4314
Baton Rouge, LA 70821-4314
(225) 219-3553
Email: dugan.sabins@la.gov

Delmer Stamps
USDA/Natural Resources Conservation
Service
100 West Capitol Street
Federal Building, Suite 1321
Jackson, MS 39269
(601) 965-5209
Email: delmer.stamps@ms.usda.gov

William W. Walker
Office Mississippi Department of Marine
Resources
1141 Bayview Avenue, Suite 101
Biloxi, MS 39530-1601
(228) 374-5010
Email: Bill.Walker@dmr.ms.gov

Joel Yelverton
Mississippi Association of Supervisors
793 North President Street
Jackson, MS 39202
(601) 353-2741
Email: massup1@aol.com