

# MISSISSIPPI COASTAL IMPACT ASSISTANCE PROGRAM

## PROGRAM UPDATE AND HIGHLIGHTS

*COASTAL DEVELOPMENT STRATEGIES CONFERENCE*

*November 7, 2012*

MDMR, Hancock, Harrison and Jackson Counties

# WHAT IS THE CIAP PROGRAM?

- Grant program established by Section 384, Energy Policy Act of 2005
- Authorizes funds to be distributed through the Dept. of Interior to OCS oil and gas producing states.
- MS and AL, AK, LA, TX and CA and 64 counties and parishes in the coastal zone are receiving funds from OCS leases from FYs 2007 – 2010
- Dept. of Interior/ United States Fish & Wildlife Service (USFWS) is lead federal agency
- MDMR was designated by Gov. Barbour as state lead agency to work with our 3 coastal counties.

# FIVE AUTHORIZED USES OF CIAP FUNDS

1. Conservation, protection or restoration of coastal areas/wetlands
2. Mitigation of damage to fish, wildlife and natural resources
3. Planning/Administrative costs of complying with CIAP
4. Implementation of federal approved marine, coastal or comprehensive conservation management plan
5. Mitigation of impact of OCS activities

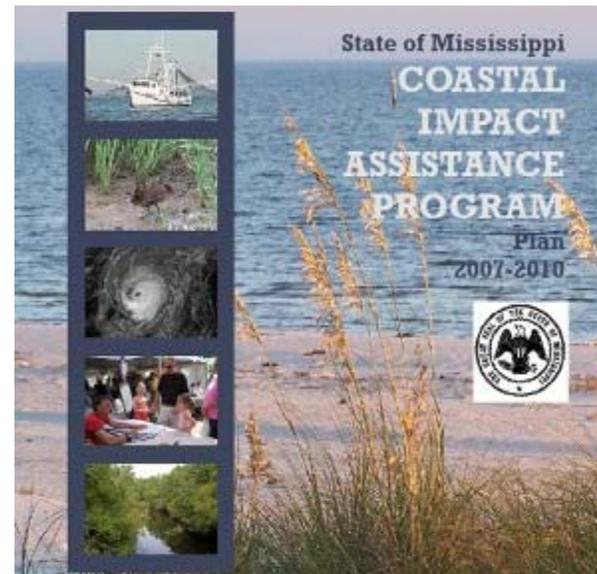


# MS CIAP PROGRAM FUNDING

- Mississippi and its coastal counties receive \$109M through individual grants awarded by the USFWS
- No match/cost share required
- State's share: \$71 M total (65%)
- Counties' share: \$38.2M (35%)
  - Hancock \$7.5 M
  - Harrison \$15.1 M
  - Jackson \$15.6 M

# MISSISSIPPI CIAP PLAN

- Combined State/County Plan developed in partnership with the 3 coastal counties, municipalities, conservation organizations, businesses, academic institutions and public input.
- Goal: To improve the health of the coastal ecology and to enhance the quality of life for Mississippians living in our coastal zone while meeting one of the authorized uses.
- Plan Approved 2009
- Implementation is underway through 2016



# CIAP PARTNERS – SUB-GRANTEES

## Counties

- Hancock County BOS
- Hancock County Utility Authority
- Hancock Co. Tax Assessor
- Harrison County BOS
- Harrison County Sand Beach Authority
- Harrison County Utility Authority
- Jackson County BOS
- Jackson County Utility Authority
- Pearl River County BOS
- Pearl River Utility Authority
- Stone County BOS
- West Jackson County Utility District

## Education/IHL

- Bay High School
- Hancock High School
- MS Gulf Coast Community College
- MSU
- USM

## Municipalities

- Biloxi
- D'Iberville
- Gautier
- Gulfport
- Long Beach
- Lucedale
- Moss Point
- Ocean Springs
- Pascagoula
- Pass Christian
- Wiggins

## State Agencies

- Grand Bay NERR
- MS Department of Environmental Quality
- MS Department of Marine Resources

## Regional

- Gulf Regional Planning

## NGOs

- Institute for Marine Mammal Studies
- Land Trust for the MS Coastal Plain
- Lynn Meadows Discover Center
- Maritime and Seafood Industry Museum
- MS Urban Forest Council
- National Audubon Society
- Ohr-O'Keefe Museum
- The Crosby Arboretum
- The Nature Conservancy
- Wolf River Conservation Society

105 Projects

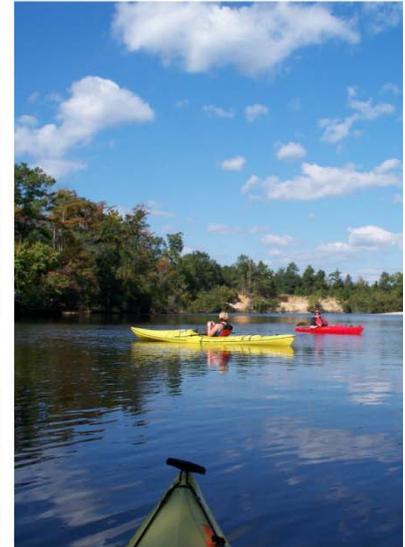
100 Projects currently  
underway

37 Projects approved  
since last conference

Located in all 6 Coastal  
Counties

\$109 Million/8 years

2009 – 2016



## CIAP PROJECTS UNDERWAY

# MS CIAP PROJECT CATEGORIES

- **Habitat protection and restoration**
- Land Protection
- **Environmental education and demonstration projects**
- Air quality
- Smart growth
- Invasive species control
- **Water quality**
- **Public access**
- Pollution abatement
- **Fish and wildlife species protection**
- Mitigation
- **Wastewater infrastructure**
- GIS/planning and information management
- Research
- **Energy efficiency**
- Administration of the Program



# HABITAT RESTORATION & SPECIES CONSERVATION

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14 Projects Underway

Mississippi Coastal  
Ecological Restoration  
Partnership

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TNC

Prescribed Fire

Invasive Species Control

Outreach and Education



HABITAT RESTORATION



# KERWIN CUEVAS

DIRECTOR, ARTIFICIAL REEF BUREAU

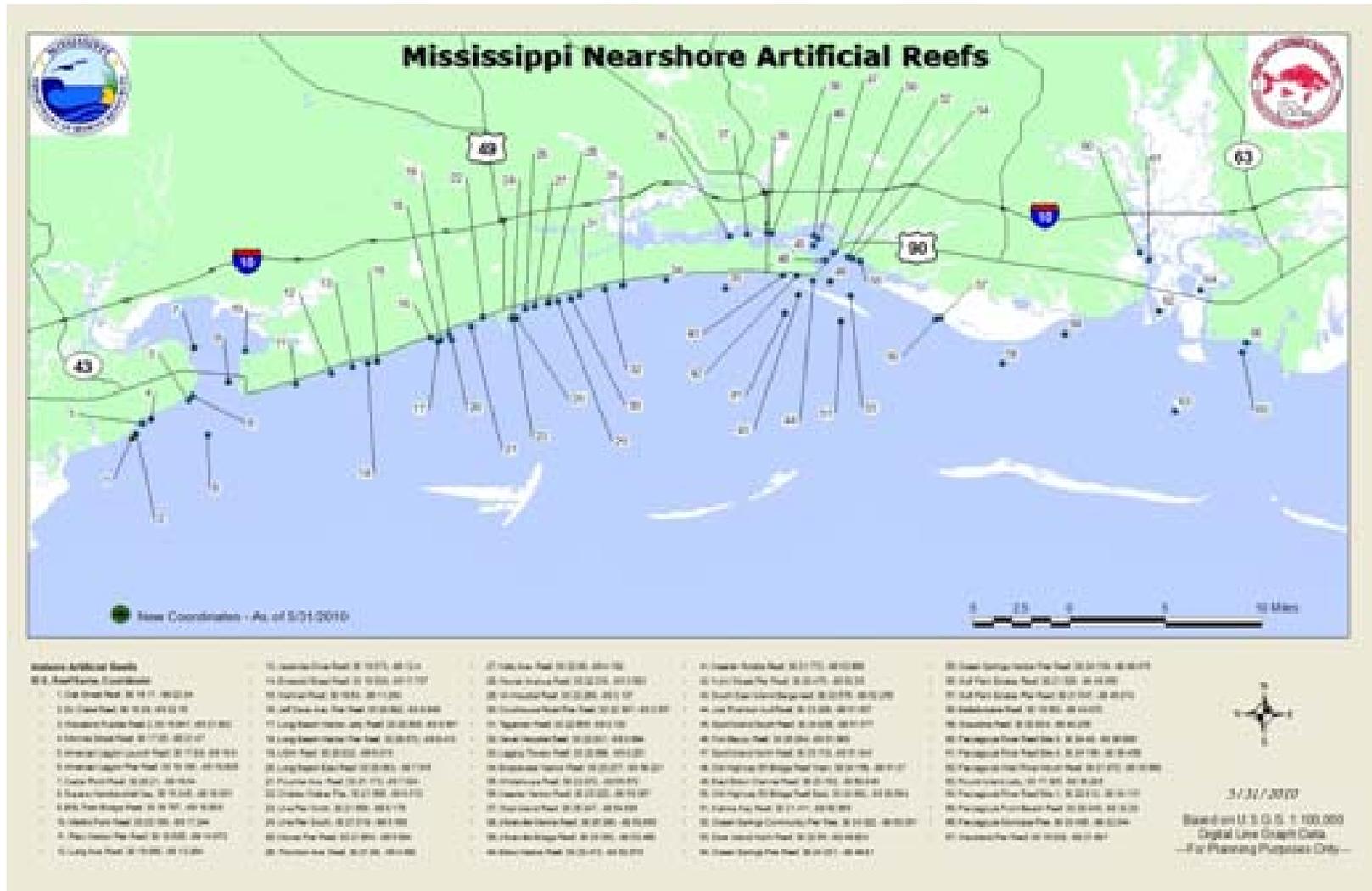
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Creation, Colonization, and Succession of New  
Habitats: Implications for the Success of Artificial  
Reefs

# CREATION, COLONIZATION, AND SUCCESSION OF NEW HABITATS

- Make specific recommendations regarding best use practices for structuring, designing, positioning, and create beneficial outcomes.
- Make specific recommendations regarding the best use of materials for building structures that maximize stated socioeconomic benefits
- Provide an ecological assessment of artificial breakwaters to document critical benefits to the socioeconomic health of the Mississippi coastal region.
- Create valuable juvenile reef fish habitat.

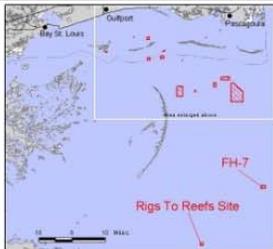
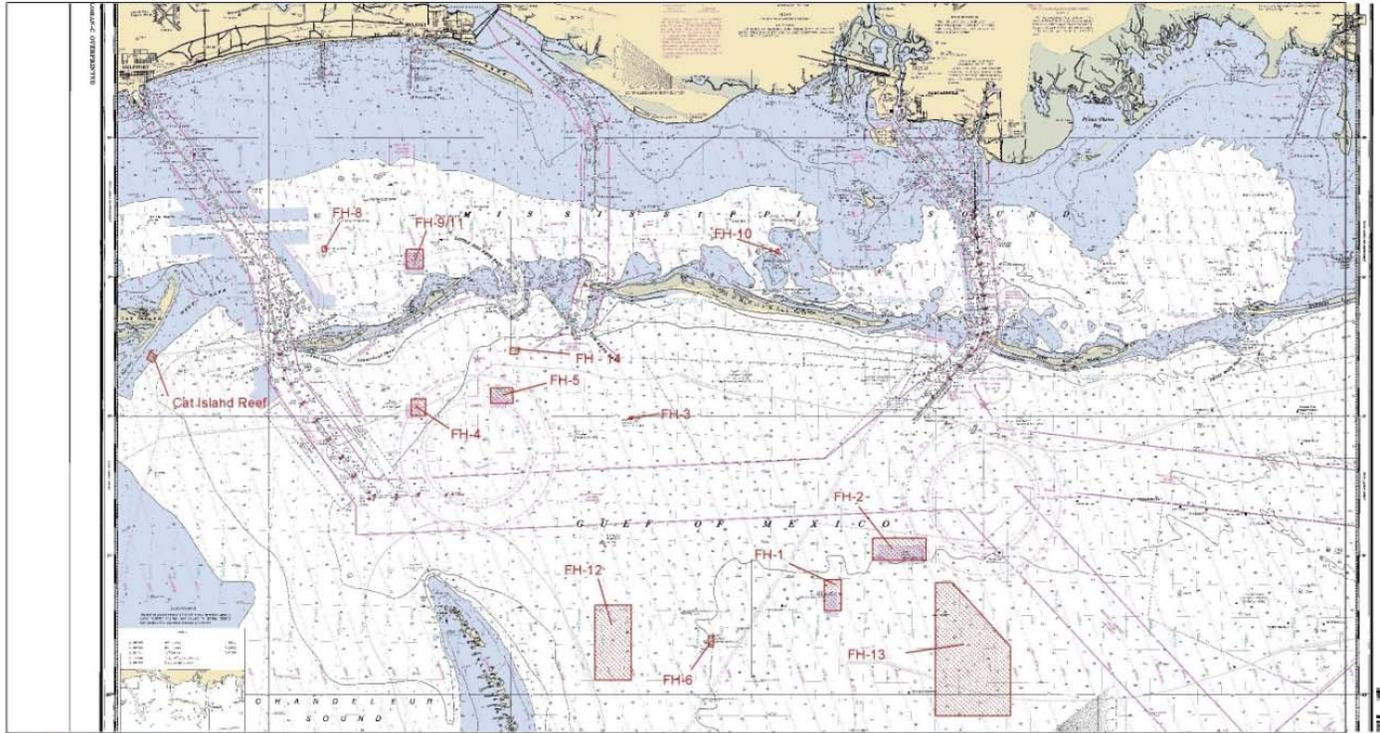
# INSHORE REEFS



# JUVENILE REEF FISH HABITAT



# OFFSHORE REEFS



**Not For Navigational Use**

Reef Center Points

FH#	FAH#	LATITUDE	LONGITUDE
FH-1	00 01.514 W	00 26.704 N	
FH-2	00 01.074 W	00 23.773 N	
FH-3	00 00.822 W	00 48.222 N	
FH-4	00 02.012 W	00 33.216 N	
FH-5	00 02.722 W	00 30.740 N	
FH-6	00 02.922 W	00 42.722 N	
FH-7	00 02.222 W	00 33.222 N	
FH-8	00 04.022 W	00 37.719 N	
FH-9/11	00 03.412 W	00 34.200 N	
FH-10	00 03.222 W	00 38.244 N	
FH-12	00 02.624 W	00 48.212 N	
FH-13	00 02.912 W	00 33.248 N	
Rigs To Reefs	00 02.222 W	00 40.216 N	
Cat Island	00 02.222 W	00 48.222 N	
East Island	00 02.102 W	00 4.922 N	

**Offshore Artificial Reef Sites**

Artificial Reef Sites



Based on N.O.A. Nautical Chart 11373  
(Mississippi Sound + Apr. Dauphin Isl. to Cat  
Isl.) 1:80000 scale Mercator projection.  
Latitude of True Scale - 30.17

---For Planning Purposes Only---



# RED SNAPPER





# WATER QUALITY

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19 Projects

Water Quality Improvements through Habitat Restoration

Reduction of Point Source Pollutants through Sanitary

Sewer Connections

Improperly Functioning  
Onsite Septic Systems

\$32M Total Program  
Funding

17 Sewer Connection /  
System Projects

14 Communities

3 Watersheds

±2,900 Connections  
Made / Onsite Septic  
Systems Eliminated

Collaboration of multiple  
funding sources



WATER QUALITY IMPROVEMENTS  
VIA UTILITY PROJECTS



# PUBLIC ACCESS

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9 Projects

## CIAP Public Access Projects

- Over 26 miles of trails and other areas for public access
- Trails are key components of 5 projects and minor components in several others
- Lucedale Depot Greenway
- Old Wire Road Trail
- Joseph T. Jones Park Educational Boardwalk
- Possum Walk Trail



LUCEDALE DEPOT GREENWAY

## Possum Walk

- Possum Walk was a historic ferry crossing and community located north of Pearlington
- Trail will be about 3.2 miles in length
- Trail will link Infinity Science Center to the historic site of the ferry crossing
- Trail is located in the Stennis Buffer



POSSUM WALK  
LINKING NASA'S INFINITY TO THE PAST



# EDUCATION AND DEMONSTRATION

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# EDUCATION & DEMONSTRATION PROJECTS



- 18 Education/Demonstration Projects
- 7 new Educational Facilities
- Improve/Enhance Existing Facilities
- Implement 5 Education Programs



# ANN LATHROP

CURRICULUM & TESTING COORDINATOR/SCIENCE TEACHER  
BAY HIGH SCHOOL

# MADDIE LEWIS

SENIOR, BAY HIGH SCHOOL

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Empowering the Future Generations of Ecological  
Stewards in Hancock County



# BIO 1214

# COLLEGE SCIENCE

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Requirements:

ACT Scores (18 or higher)

3.0 GPA or higher

4 hours of College Credit through Pearl River  
Community College

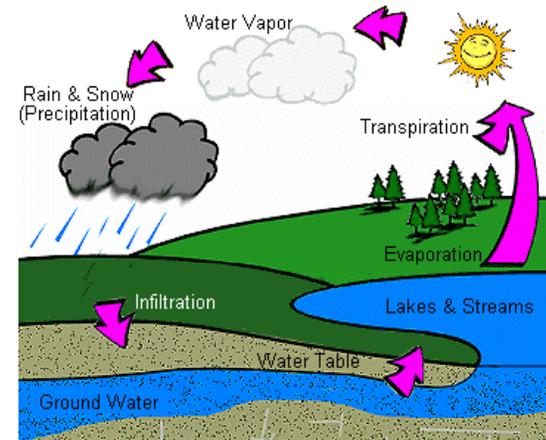
# ADOPT-A-STREAM

- PH Test
- Alkalinity Test
- Turbidity Test
- Dissolved Oxygen Test
- Chloride Test
- Check Water/Air Temperature



# EDUCATING ELEMENTARY STUDENTS

- The Water Cycle
- How to Conserve Water
- Water Biomes
- Pollution
- The Different types of Water (Fresh & Salt)



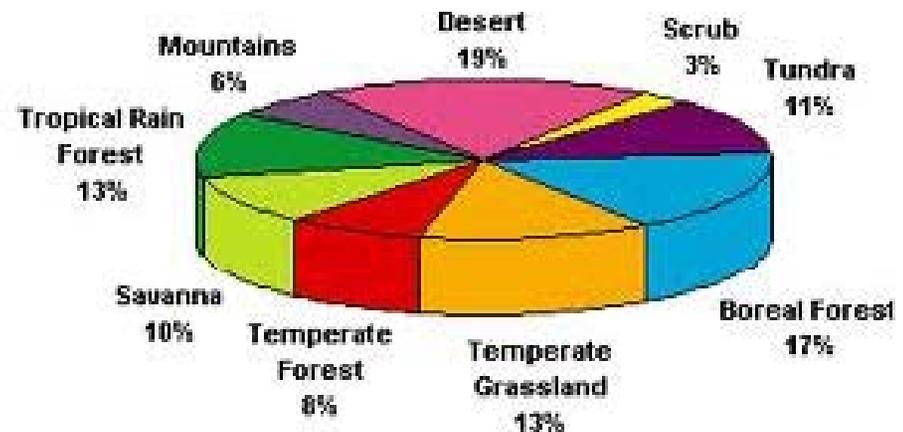


# FIELD TRIPS

- Institute for Marine Mammals Studies
- Aquarium of Americas
- Infinity Space Center at Stennis
- North Bay Elementary
- The Exploreum Science Center

# TOPICS COVERED

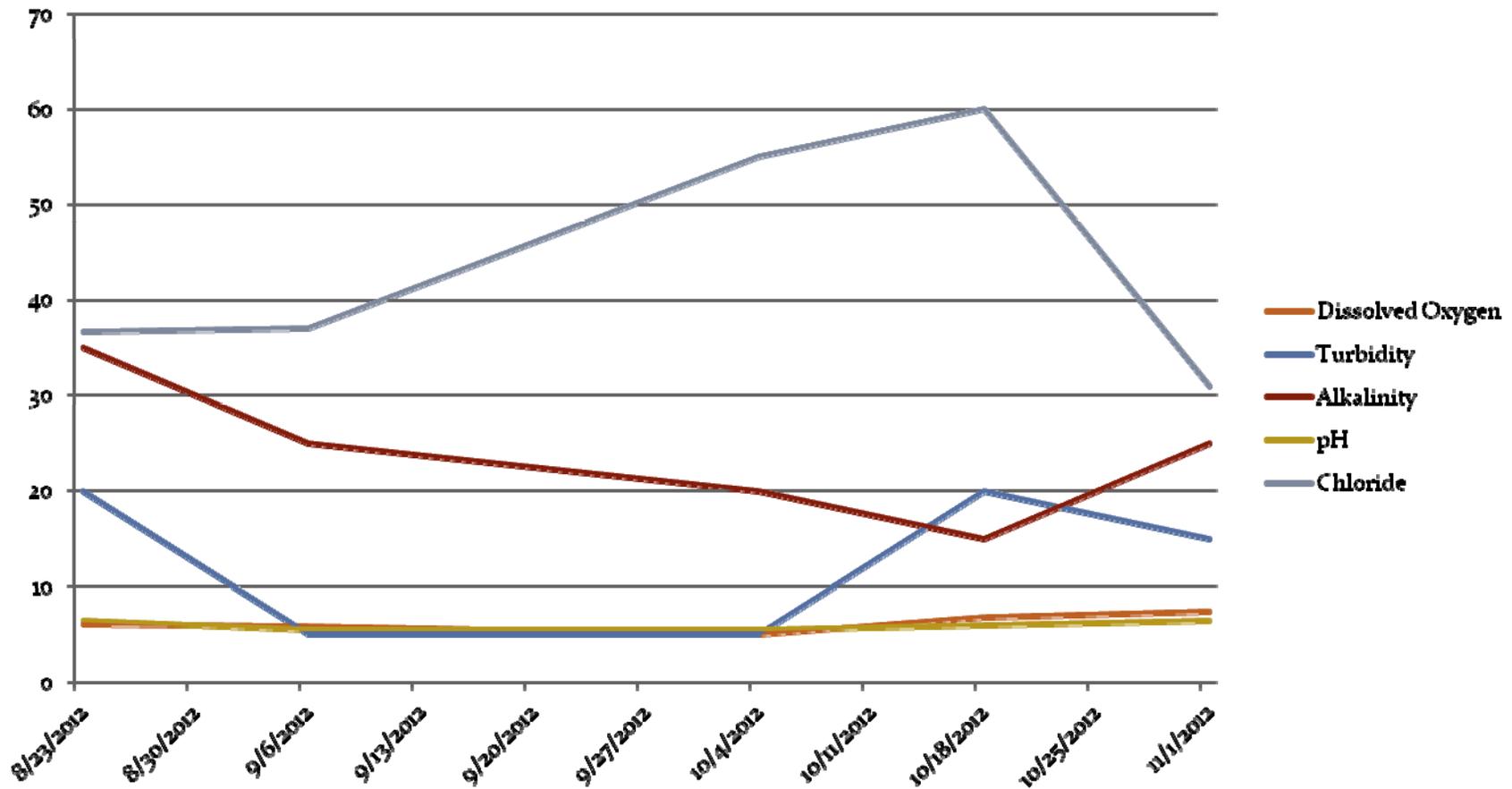
- Ecosystems
- Pollution
- Water Quality
- Endangered Species
- Biomes  
(Deciduous/Coniferous Forests, Desert, Rain Forest, Tundra, etc.)







# ADOPT-A-STREAM MONTHLY CHEMICAL DATA



## SPECIAL THANKS



- Mississippi Senators Thad Cochran and Roger Wicker and Congressmen Steve Palazzo
- Hancock, Harrison and Jackson County Boards of Supervisors
- U.S. Fish and Wildlife Service
- Our partners and sub-grantees
- Governor Bryant and his staff
- Program Staff at MDMR and Counties
- Former Governor Haley Barbour and his staff

# MISSISSIPPI'S COASTAL IMPACT ASSISTANCE PROGRAM

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For more information visit:  
[www.dmr.ms.gov](http://www.dmr.ms.gov)

