

MAFAC MEETING

May 23, 2012
Seattle, Washington

Gulf States Marine Fisheries Commission

Larry B. Simpson
Executive Director



Interjurisdictional Fisheries Program

Purpose Under the IFA

“...to promote and encourage state activities in support of management of IJF resources identified in interstate fishery management plans, and to promote and encourage management of IJF resources throughout their range.”

Funding under the Act supports states' long-term monitoring and assessment programs and other research.

The Act also provides funding for the three interstate marine commissions to develop and revise management plans used by the states to enact appropriate management strategies to maintain harvestable stocks of commercial and recreational fish.

Authority established by:

- Interjurisdictional Fisheries Act (1986) – P.L. 99-659, Title III Replaced the Commercial Fisheries Research and Development Act (1964) – P.L. 88-309
- Magnuson-Stevens Fishery Conservation and Management Act (1996 reauthorization) – P.L. 94-265
- Magnuson-Stevens Fishery Conservation and Management Reauthorization Act (2007) – P.L. 109-479

GSMFC FMPs and Fishery Profiles

FMPs

Spotted Seatrout

Gulf and Southern Flounder

Gulf Sturgeon

Striped Mullet

Gulf Menhaden

Black Drum

Striped Bass

Oyster

Blue Crab

Spanish Mackerel

Gulf Shrimp

Fishery Profiles

Sand and Silver Seatrout

Sheepshead

Western Gulf Stone Crab

Blue Crab

Red drum/Spotted Seatrout

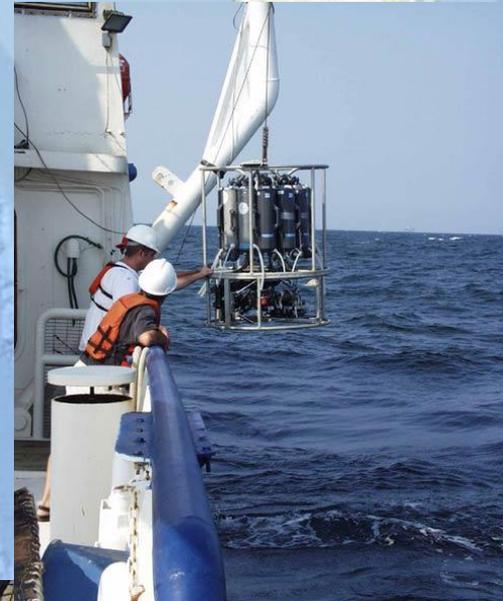


SEAMAP

Fishery independent sampling program from 1982 to present. Conducts annual Winter, Spring, and Fall Plankton Surveys, Summer and Fall Shrimp/Groundfish Surveys, Bottom Longline Survey, Vertical Line Survey, and Reefish Survey in the Gulf of Mexico.

Data being used extensively in the NRDA process to measure impacts from the Deepwater Horizon disaster.

Only long-term fishery independent sampling program in the Gulf of Mexico, but budget was reduced by 4% in FY2012.



Fisheries Information Network

State/Federal cooperative program to collect, manage, and disseminate data on commercial and recreational fisheries of the Southeast Region

Began operational activities in 1997 – activities include

- Commercial trip tickets
- Recreational data collection
- Head boat port sampling
- Menhaden port sampling
- FIN data management system
- Biological sampling

Annual budget: ~ \$5 million

Budget shortfalls – cut biological,
head boat and menhaden sampling



Lionfish (*Pterois volitans* and *P. miles*)

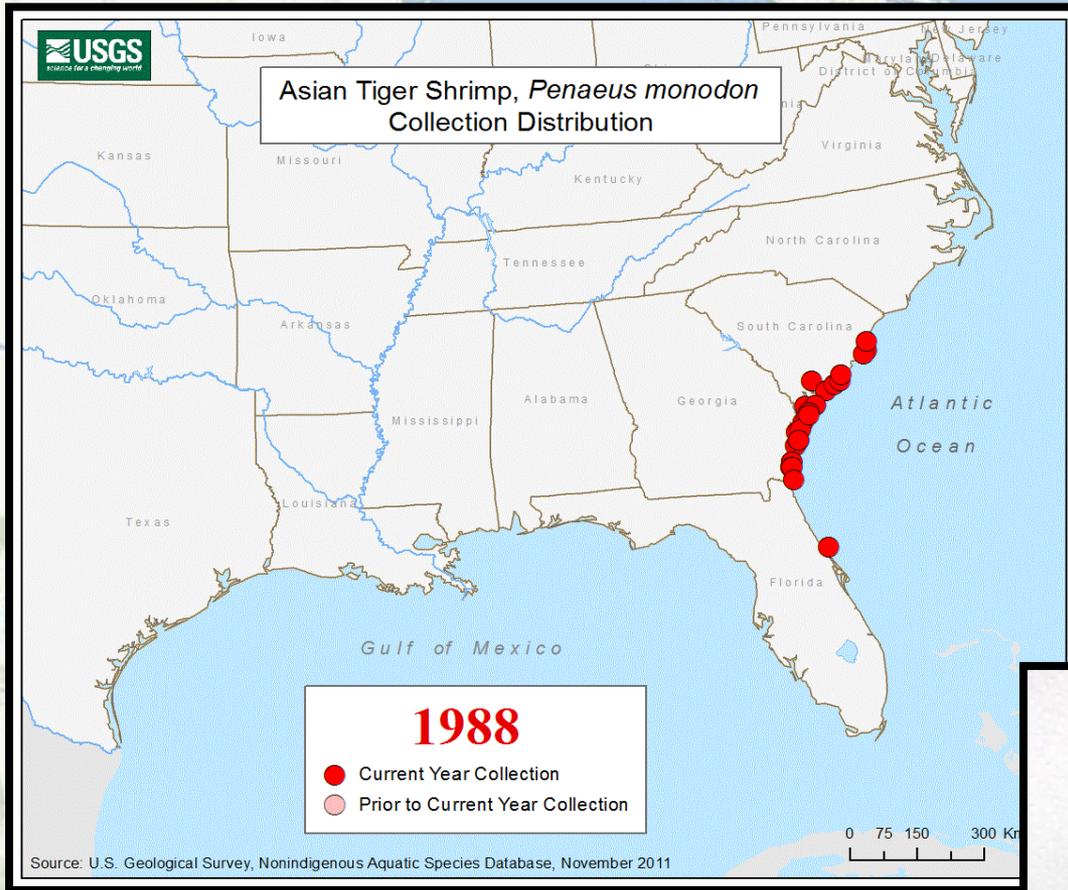


Native range: Indo-Pacific
High fecundity with larvae dispersed by currents for ~26 days

Have a venom defense
Generalist carnivores, including economically important species
Able to thrive in a wide variety of habitat types across a large temp range



Asian Tiger Shrimp, *Penaeus monodon*



Native range: Indo-West Pacific
Thrive in a wide variety of habitat types across broad temp and salinity ranges

Reported collections increased by an order of magnitude between 2010 and 2011

Impacts on native fauna remains unknown

More aggressive predator of soft-bodied invertebrate benthic organisms than native shrimp species

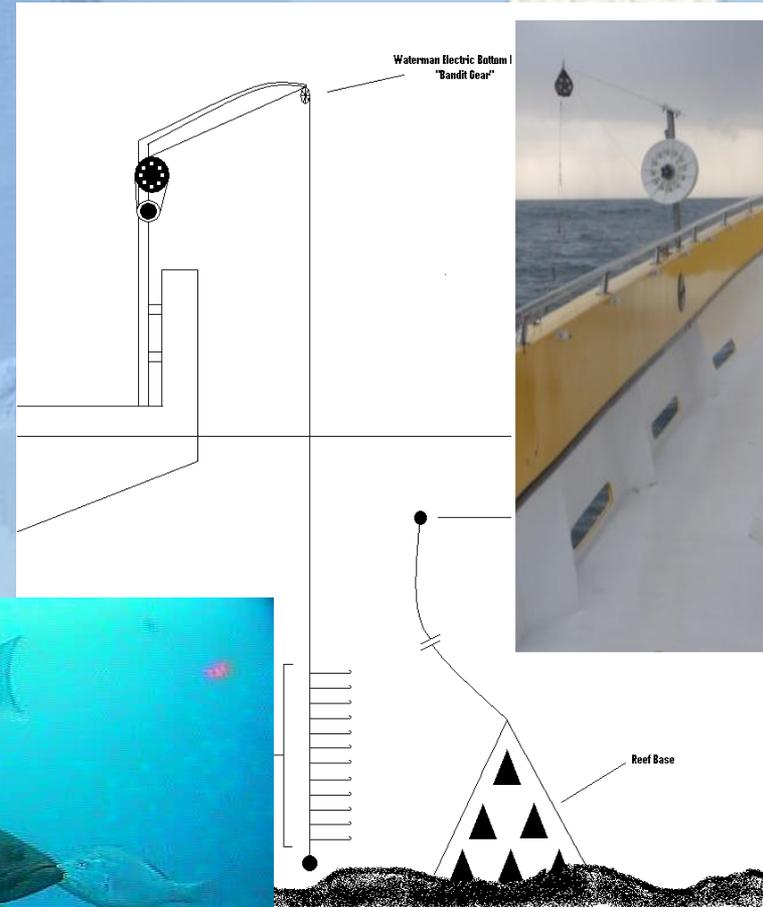
Potential for transmitting viral diseases to native species



Gulf-Wide Artificial Reef Monitoring Program

Program will use standardized sampling protocols and gears, modeled after ongoing monitoring programs on natural reefs in the Gulf.

Data will allow states to determine how artificial reefs are functioning over time, assess impacts to artificial reefs from future disasters, and provide fishery independent data on managed species from artificial reefs for stock assessments.



Fisheries Economics Program



Economic Data Collection

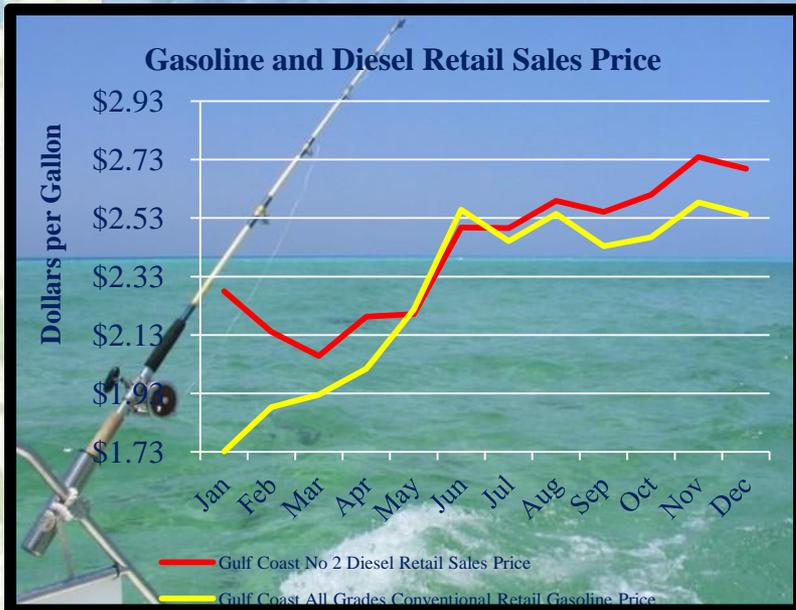
- Inshore Shrimp Fleet Economic Survey
- Fishing Related Businesses Economic Survey
- Marine Angler Recreational Fishery Economic Survey
- Marine Recreational Use Economic Survey

Research and Analysis

- Fuel Prices and Marine Recreational Angler Effort
- Economic Impact Analysis

Outreach and Extension

- Interactive Fisheries Economic Impacts Tool
- Gulf States Fisheries Economics Workshop



An aerial photograph of the Mississippi River delta region, showing the river's path and various spillways. The river is a prominent light brown color, contrasting with the green and brown land. Several white callout boxes with blue text are overlaid on the image, providing flow rate data for different locations. The background shows a complex network of waterways and land features.

May 17, 2011
2,330,000 cfs at Vicksburg

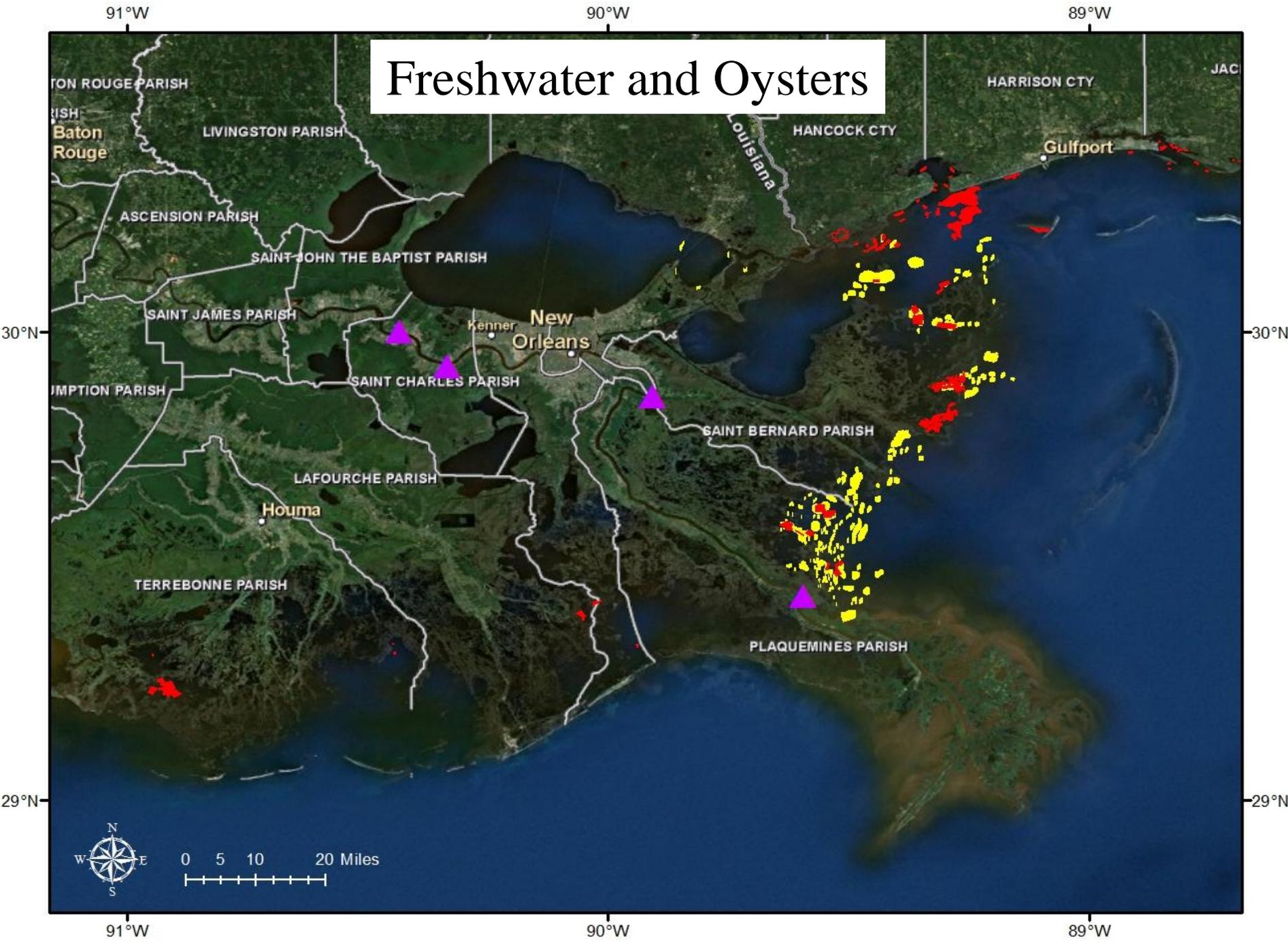
Bonnet Carré Spillway
315,000 cfs

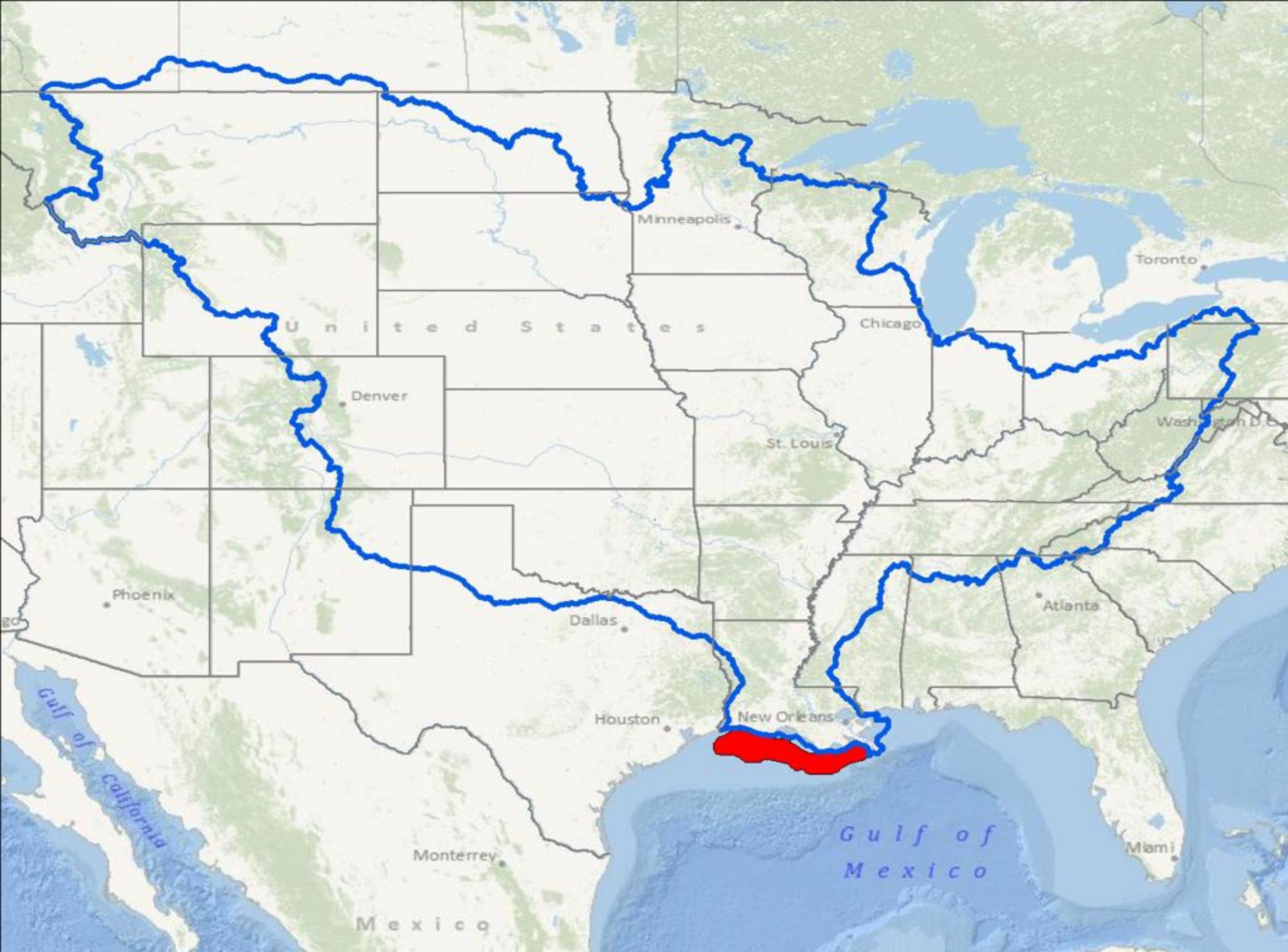
Wax Lake Outlet
250,000 cfs

Atchafalaya River
361,000 cfs

Mississippi River
1,200,000 cfs

Freshwater and Oysters



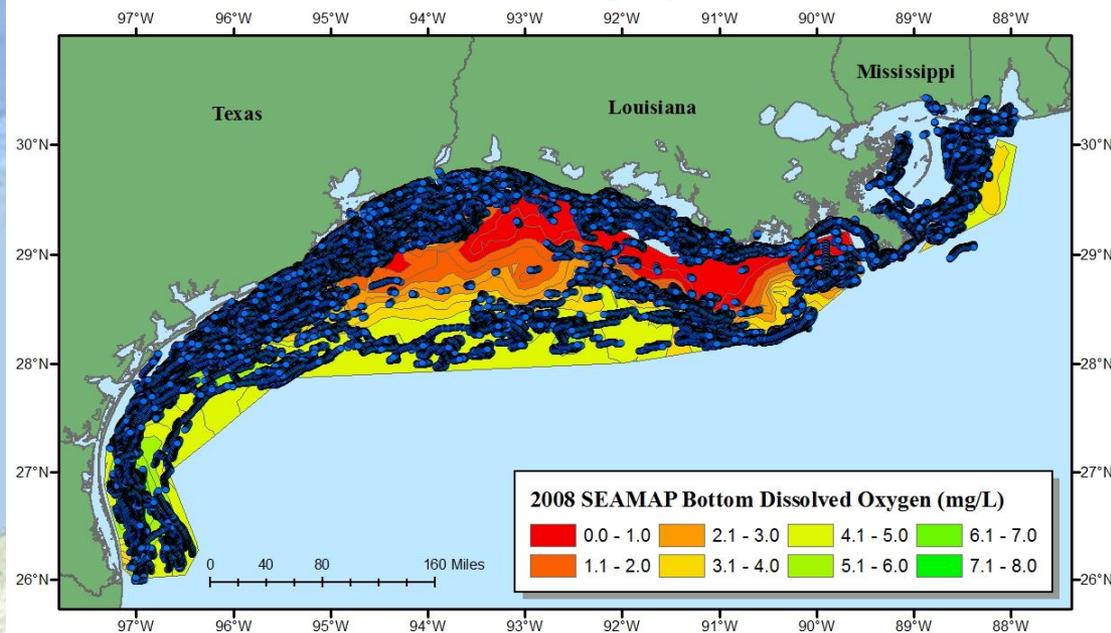


Hypoxia

The northern Gulf of Mexico supports commercial and recreational fisheries which generate over \$2 billion annually. These fisheries are directly impacted by hypoxia. Fishery resources are affected by direct mortality, forced migration, reduction in suitable habitat, increased susceptibility to predation, changes in food resources, and disruption of their life cycle.

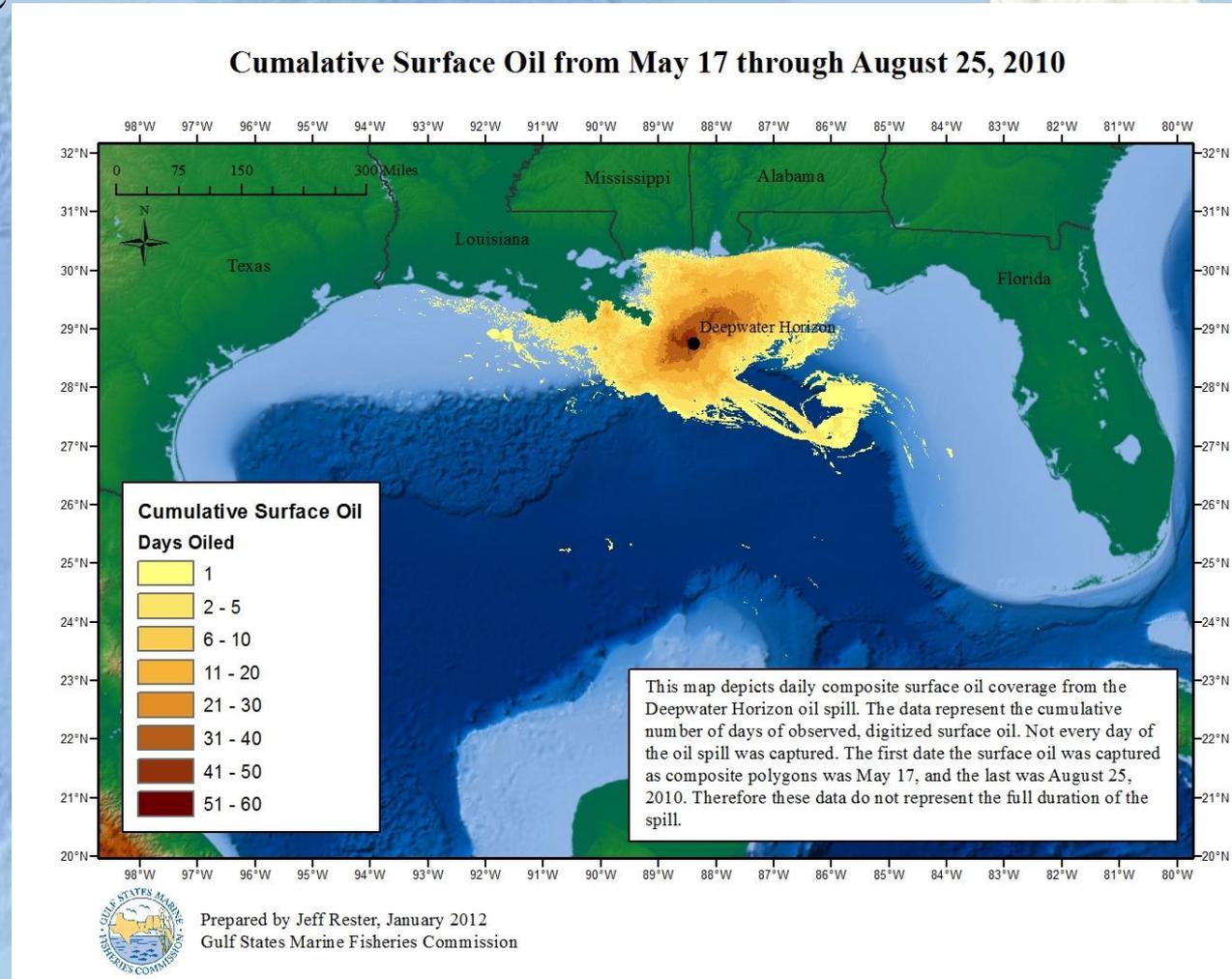
Commercial and recreational fishermen must traverse the hypoxic zone in order to reach suitable fishing grounds and incur increased operating costs due to increased fuel expenditures and travel times. While estimates of lost fishery production and financial losses to the commercial and recreational fisheries remain elusive, they are real.

2008 SEAMAP Bottom Dissolved Oxygen and July Shrimping Effort



Deepwater Horizon

On April 21, 2011, the Deepwater Horizon NRDA Trustee Council announced an agreement under which BP committed to provide \$1 billion toward Early Restoration projects. The Phase 1 Early Restoration Plan includes 8 projects that will begin in 2012.



Stock Assessment Enhancement

- Total of \$10M appropriated
- Work will be conducted over a 5-year time frame (2011-2015)
- Funds distributed to both NMFS Fisheries and the Commission
 - NOAA allocated \$3.85M
 - GSMFC allocated \$6.15M

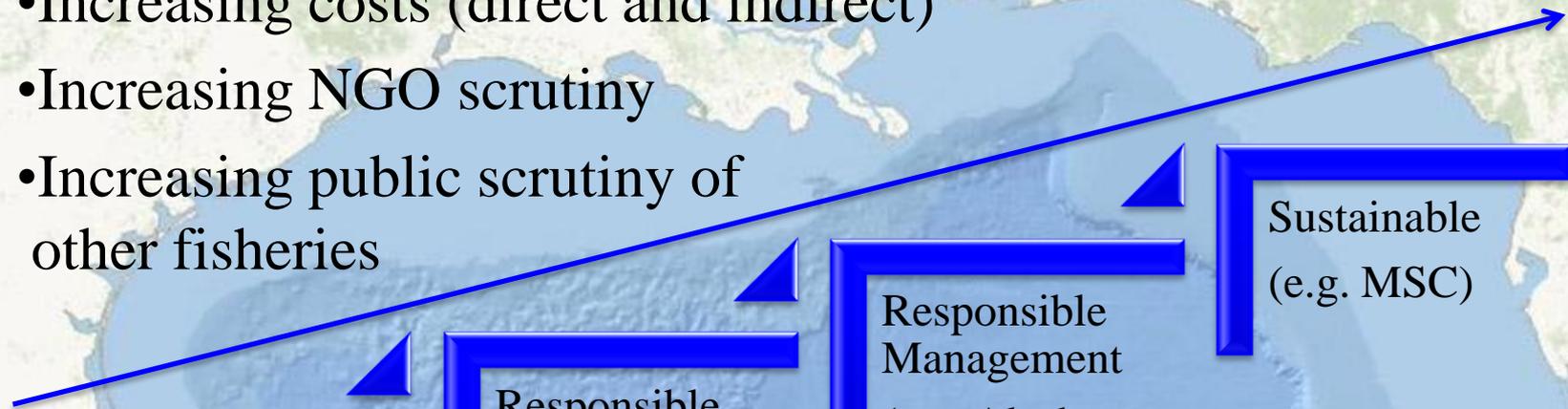
Oil Disaster Recovery Program

Gulf Wide Marketing Program
Seafood Certification & Sustainability
Seafood Testing Component
Seafood Traceability



A screenshot of the Gulf Coast Seafood website. The header includes navigation links for "RETAIL BUYERS", "FOODSERVICE", and "MEDIA". The main navigation bar contains "ABOUT US", "EXPERIENCE THE GULF", "WHERE TO BUY", and "GULF NEWS". Below this is a "RECIPES" and "SPECIES" menu. The main content area features a large image of a pan-seared fish fillet with a garnish of spiralized vegetables and lime slices. Below the image is a caption: "Delight your guests with dishes prepared with top-quality, fresh Gulf Coast seafood that showcase each species' natural flavors." Below the image is a "WHERE TO BUY GULF COAST SEAFOOD" section with a "READ MORE" link. To the right is a "GULF NEWS" section with social media icons and a link to "Tis the Season to Add a Little Jingle". Below this is a list of news items with links: "Bob Jones Talks to Chefs", "Agency Partners for Gulf Seafood", "A Typical Day Fishing in the Gulf of Mexico", "Tis the Season to Add a Little Jingle", and "New Foundation Website Receives Two Awards". At the bottom is a "GULF COAST OVERVIEW" section with a "READ MORE" link. The footer includes "EVENTS" and a date "02.21.2012" with the text "Keep Fishermen Fishing! Rally".

- Increasing costs (direct and indirect)
- Increasing NGO scrutiny
- Increasing public scrutiny of other fisheries



Responsible Fishing (e.g. EU programs, Ireland)

- \$500 per vessel
- Vessel certification
- Gear selectivity
- Landing sizes
- Handling
- Quality
- Ecosystem impacts
- Self-monitoring
- Tow times

Responsible Supply (e.g. IFFO Fish meal)

- \$15k per fishery
- Conforms to selected components of FAO / MSA
- Management controls
- Stock monitoring
- 20 page desktop review

Responsible Management (e.g. Alaska, Iceland)

- \$75k per fishery
- Full FAO assessment
- 139 FAO clauses
- Precautionary
- Management framework
- Control rules
- Ecosystem interactions
- Long-term irreversible impact?
- 200 page peer-reviewed report

Sustainable (e.g. MSC)

- \$75k per fisher
- Doubled indirect costs – data
- Public input and objections possible
- Uses FAO elements
- 200+ page peer-reviewed report

Regional Traceability Program

YOUR TRACEABILITY CODE IS:
HSN0014

YOUR PRODUCT IS A:
Emeril's Wild American Shrimp

YOUR PRODUCT IS FROM:
United States



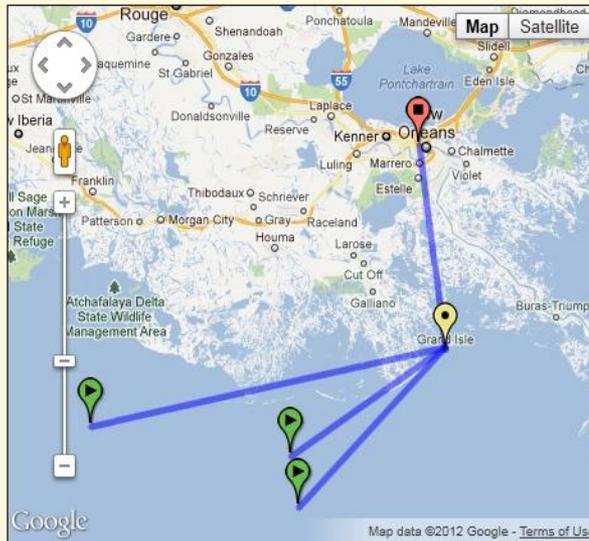
Recipes

Emeril's Recipes

Your Product Details

About The Fishing Vessel

More Info



Google

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Emeril's Wild American Shrimp is currently being served in these featured locations:

> HSN



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