



ENHANCE ★ PROTECT ★ CONSERVE

Commission on Marine Resources

July 16, 2019



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Employment, Contracts and Procurement Updates

July 16, 2019

Contracts and Procurements for July 2019

Service Contracts					
<u>Vendor</u>	<u>Procurement Method</u>	<u>Amount</u>	<u>Term</u>	<u>Funding Source</u>	<u>Commodity/Service Description</u>
USM Work Order #24	IHL/Exempt	\$33,680.00	07.01.2019 – 08.31.2019	100% Tidelands	Shellfish Sanitation Compliance
USM	IHL/Exempt	\$49,371.00	07.01.2019 – 12.31.2019	100% Bonnet Carre	Blue Crab Life History
USM	IHL/Exempt	\$62,501.00	07.01.2019 – 12.31.2019	100% Bonnet Carre	Blue Crab CPUE



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Information Technology & Geographic Information Systems Report



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Other SAG Winners

-
-
-
-
-
-



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Example Projects



-
-
-
-
-
-
-



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9:26 78%

Diamondback Terrapin Reporting System

License Number: *

First Name: *

Last Name: *

Number of Traps: *

Soak Time: *

Time in hours.

Start Time:

Arrive at the traps.

End Time:

Finished the last trap.


Terrapins Observed: *

9:25 78%

Terrapin Nesting Tracker

Location:

30°21'N 88°41'W



© Esri contributors

Type:

Select all that apply

Nest Track

Animal Other

If Track, Does it lead to a nest?

Yes No

If Nest, Is it predated or intact?

Predated Intact

If Nest, What habitat is it located in?

If Terrapin, Is the animal dead or alive?

Dead Alive

If Terrapin, Is the animal adult or juvenile?

Adult Juvenile

9:23 78%

My Survey

Survey Type:

Pre Selected Observation Point Invasive Occurrence

Other POI

Present Invasive Species

cogon grass (*Imperata cylindrical*)

Japanese climbing fern (*Lygodium japonicum*)

torpedo grass (*Panicum repens*)

common reed (*Phragmites australis*)

Japanese honeysuckle (*Lonicera japonica*)

sesbania herbacea (*Sesbania macrocarpa*, *Sesbania exaltata*)

camphor (*Cinnamomum camphora*)

Chinese tallow (*Triadica sebifera*)

alligator weed (*Alternanthera philoxeroides*)

water hyacinth (*Eichhornia crassipes*).

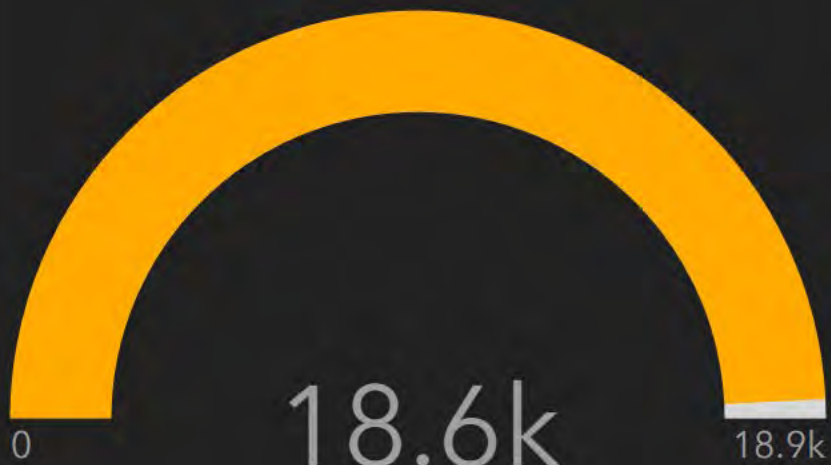
Chinese Privet (*Ligustrum sinense*)

Other Invasive Species



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Total Sacks



Last update: a few seconds ago

Total Trips

697

Last update: a few seconds ago

Today's Trips

98

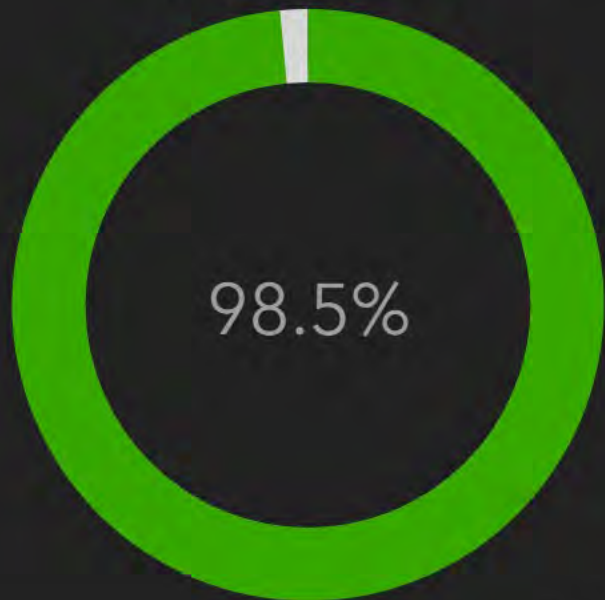
Last update: a few seconds ago

Today's Sacks

3,624

Last update: a few seconds ago

Relay Completion



Last update: a few seconds ago

Total Sacks

18,578

Last update: a few seconds ago

Remaining Sacks

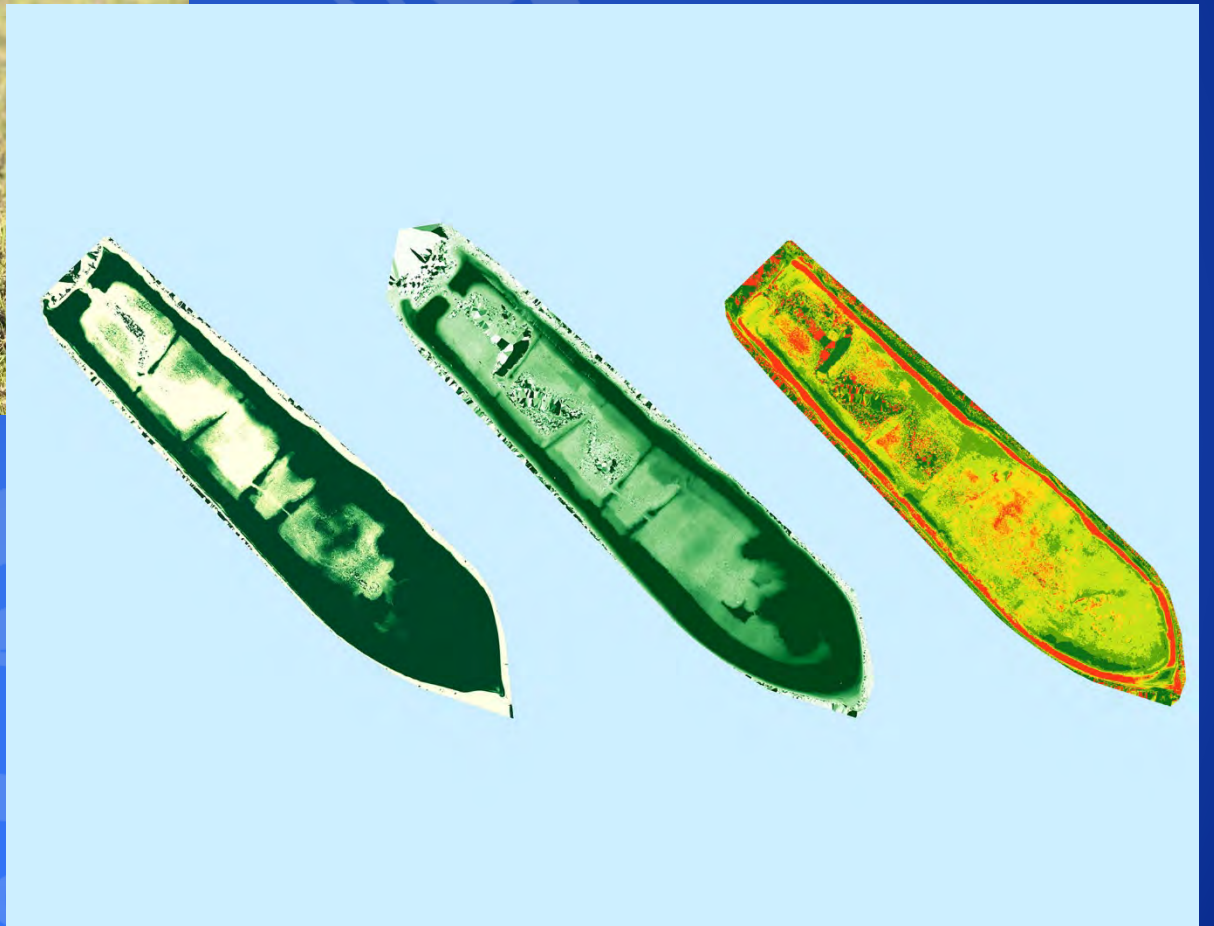
286

Last update: a few seconds ago

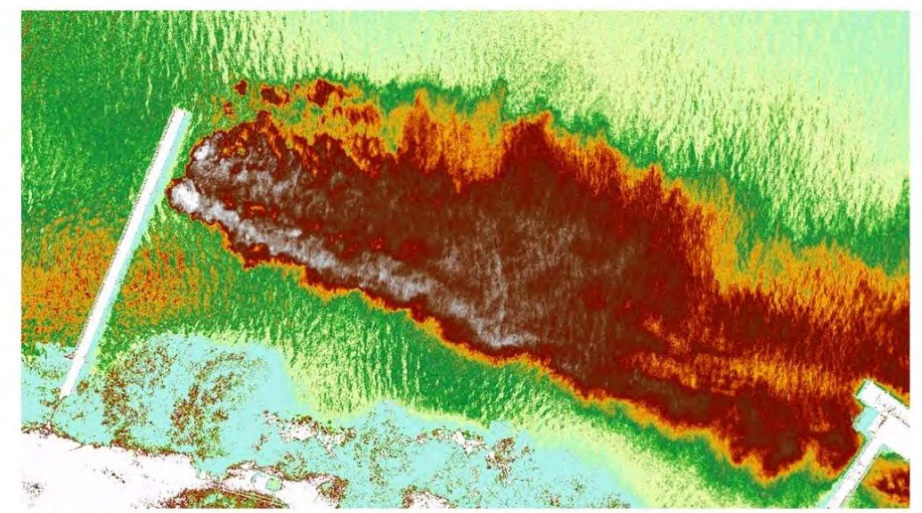
Today's Trips

Time	Location	Status
10:00
10:05
10:10
10:15
10:20
10:25
10:30
10:35
10:40
10:45
10:50
10:55
11:00
11:05
11:10
11:15
11:20
11:25
11:30
11:35
11:40
11:45
11:50
11:55
12:00

Last update: a few seconds ago



ENHANCE ★ PRO





Seafood Dealers

of Mississippi

- All
- Crab
- Crawfish
- Fish
- Oysters
- Shrimp
- Retail
- Wholesale

1 Allen's Seafood

2 Bayou Caddy Fisheries

3 C.F. Gollott & Son's Seafood, Inc.

4 Kelly's Seafood Market

5 Coast Foods, LLC

6 Crystal Seas Seafood

Public Access Inventory

An inventory of places and their enhancements that connect the public to the natural resources of Mississippi's Tidelands

- Public Access Sites
- Boat Ramps
- Piers
- Marinas
- Coastal Preserves
- Points of Interests

Public Trust Tidelands and submerged lands are lands lying under waters naturally



MDMR
Coastal Preserve Trails
Indian Point

The Indian Point Trails are located in the Indian Point area. The trails total just under 3 miles through the bayheads. All trails lead to estuarine areas. This trail, turn off Gautier/Vandeventer parking area and kiosk with a trail marker. Indian Point Parkway, about 1 mile from the kiosk.

Wiregrass Trail is 1.15 miles long and winds throughout the site. These grasslands are a longleaf pine savanna, because the fires that sweep through the savanna are necessary to keep the grasslands accessible behind the kiosk, to the kiosk.

Needle Rush Trail is 0.2 miles long that covers large areas in coastal areas located directly behind the kiosk, to the kiosk with a view of the marsh.

MISSISSIPPI
GULF COAST
NATIONAL HERITAGE AREA
BLUEWAYS

MGCNHA

MISSISSIPPI GULF COAST BLUEWAYS

The Heritage Area has developed a Blueways Design Guide for the purposes of development and management of the beautiful water trails along the Mississippi Gulf Coast. It is meant to be a unified effort for marketing and consistency to increase usage by locals and visitors. This guide was developed by Land Trust for the Mississippi Coastal Plain and unabridged Architecture with the help of the Blueways Committee. This effort is part of the Nature-based Tourism Plan for Coastal Mississippi 2016. If your blueway planning group is interested in being a part of the program, contact Heritage@dmr.ms.gov or call 228-523-4075. Click here to download a copy of the guide.

[Download Blueways Design Guide](#)

The Land Trust for the Mississippi Coastal Plain works with landowners to conserve special places in perpetuity. With local, state and federal agencies, the Land Trust protects natural areas that benefit residents and visitors to south Mississippi: abundant seafood, rich timberlands, pristine water, and unsurpassed recreational activities. [www.landtrust.org](#)

The National Park Service is collaborating with state and local agencies and organizations to promote the conservation, stewardship, and public use of the Mississippi Gulf Coast National Heritage Area. [www.nps.gov/mgcnha](#)

Questions?



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The seal of the Mississippi Department of Marine Resources is a circular emblem. It features a central illustration of a pelican feeding its young in a nest, with waves below. The words "MISSISSIPPI" and "DEPARTMENT OF MARINE RESOURCES" are inscribed around the perimeter, separated by two stars.

Cat Island Enhanced Patrol

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Title 22, Part 19, Chapter 3

- *All motorized vehicles, motorcycles, personal water craft, airboats, hovercrafts, vessels and aircraft or airplanes are prohibited in public owned Mississippi Coastal Preserves emergent vegetation and adjoining surrounding land areas, except those vessels operated by the MDMR or otherwise permitted pursuant to this Part*

Letter sent to Landowners

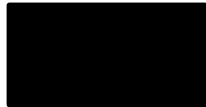


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|

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

June 26, 2019



Re: Bayou Marie Ridge Subdivision, Cat Island, Harrison County, MS



This letter is to inform you of ownership changes on portions of Cat Island. Two maps detailing the location of property belonging to the State of Mississippi are attached (the private property is shaded green, the state property is shaded red and the unshaded areas are federal property that is part of Gulf Island National Seashore). The State property part of the Public Trust Tidelands and as such shall be preserved and maintained in the Coastal Preserves System of the State of Mississippi.

The Mississippi Department of Marine Resources Coastal Preserves Bureau has placed several "no motorized vehicle" signs where existing trails leave privately-owned property and enter onto state-owned property. Chapter 03, Section 100 of Title 22, Part 19 states, "All motorized vehicles, motorcycles, personal water craft, airboats, hovercrafts, vessels and aircraft or aquaplanes are prohibited in publicly owned Mississippi Coastal Preserves emergent vegetation and adjoining surrounding land areas, except those vessels operated by the MDMR or otherwise permitted pursuant to this Part."

The Coastal Preserves Program is dedicated to preserving, restoring and managing state-owned coastal wetlands to perpetuate their natural features and ecological integrity,

as well as their social and economic values for the benefit of present and future generations.

Should you have any questions please contact me at Jennifer.wittmann@dmr.ms.gov or 228-523-4111.

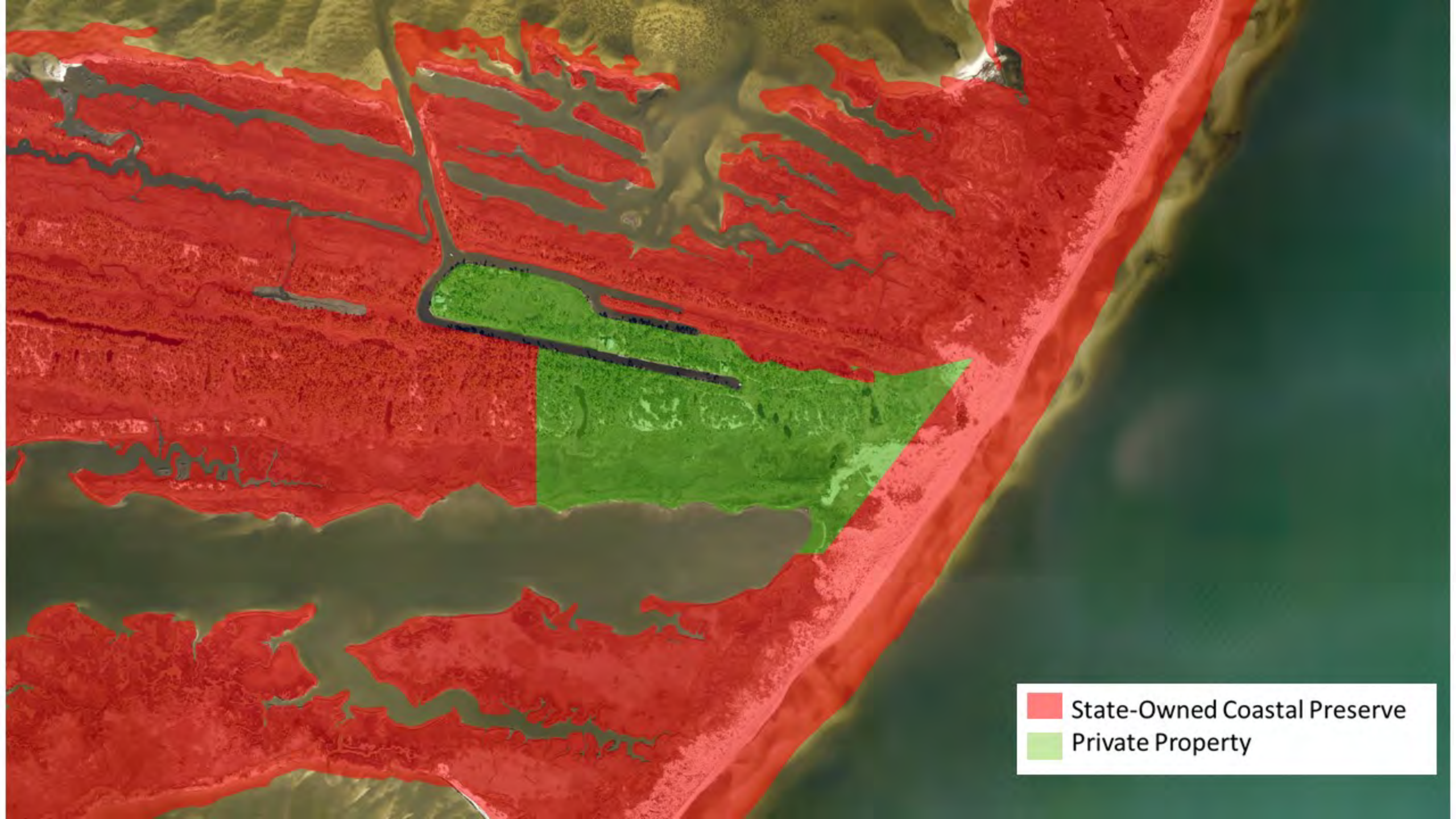
Jennifer C. Wittmann
Director, Bureau of Coastal Preserves

Enclosures

cc: Raymond Carter, SOS
Kyle Wilkerson, Deputy Chief, Marine Patrol

- State-Owned Coastal Preserve
- Private Property





- State-Owned Coastal Preserve
- Private Property

pt. of Ma
MARINE

esource

DIESEL
PATROL
NO STEP

RTV
XT1000

Power Steering

NO STEP



Tails n Scales Enforcement Trip Data



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Mississippi Department of Marine Resources

Coastal Resources Management

July 2019

Updates to Title 22, Part 19

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The seal of the Mississippi Department of Marine Resources is a circular emblem. It features a central illustration of a fish, likely a bluefish, swimming in the water. The fish is depicted in profile, facing right. The water is represented by wavy lines. Above the fish, there are stylized waves and a sun or moon. The entire scene is enclosed within a circular border. The word "MISSISSIPPI" is written in an arc at the top of the border, and "DEPARTMENT OF MARINE RESOURCES" is written in an arc at the bottom. Two five-pointed stars are positioned on the left and right sides of the border, separating the top and bottom text.

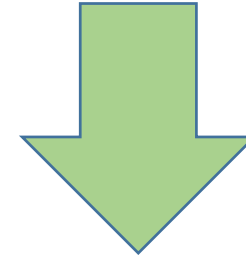
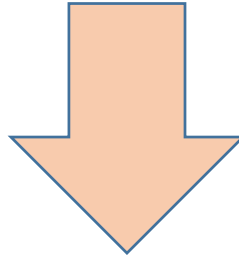
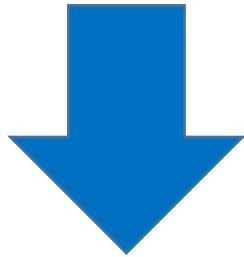
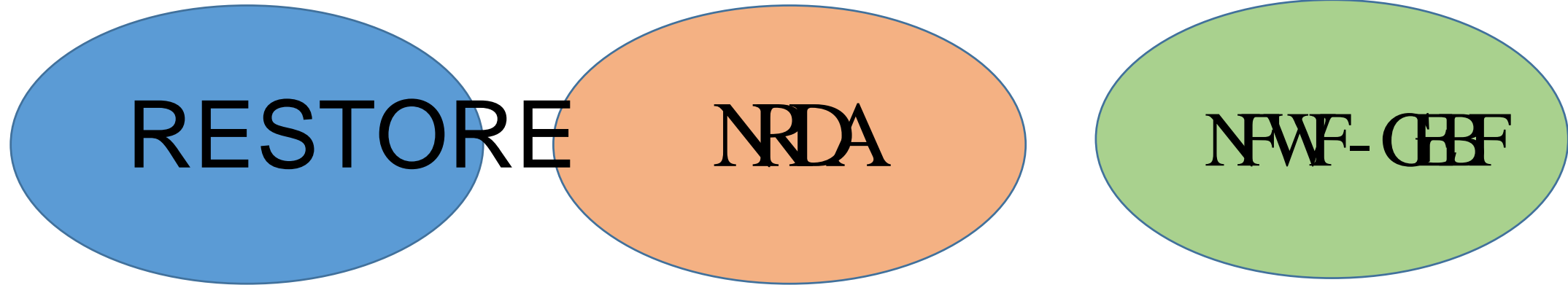
Required:

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MDEQ/DWH/GI spill Restoration
Chris Wells, Director, Office of Restoration

Deepwater Horizon Restoration Funding streams

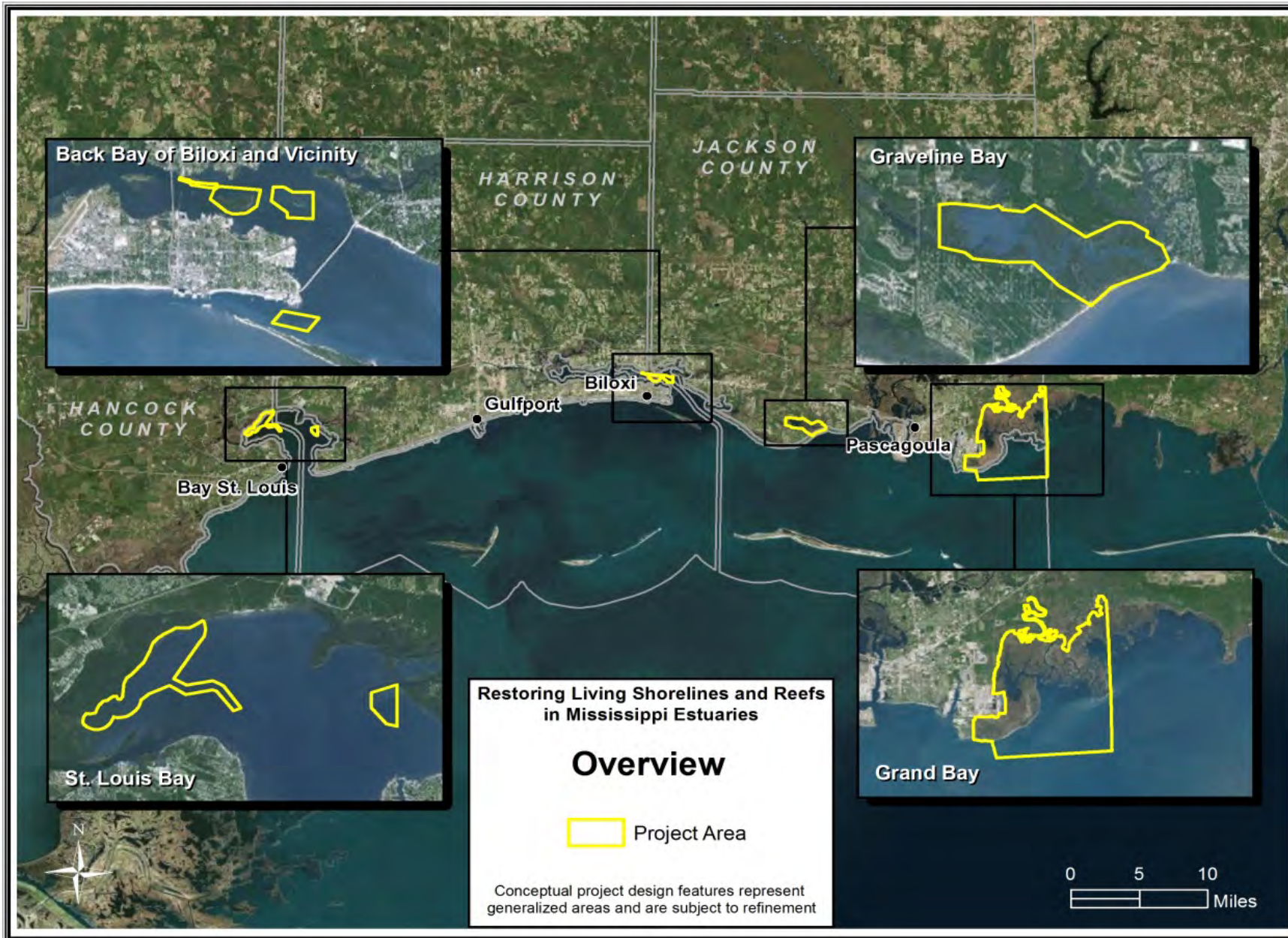


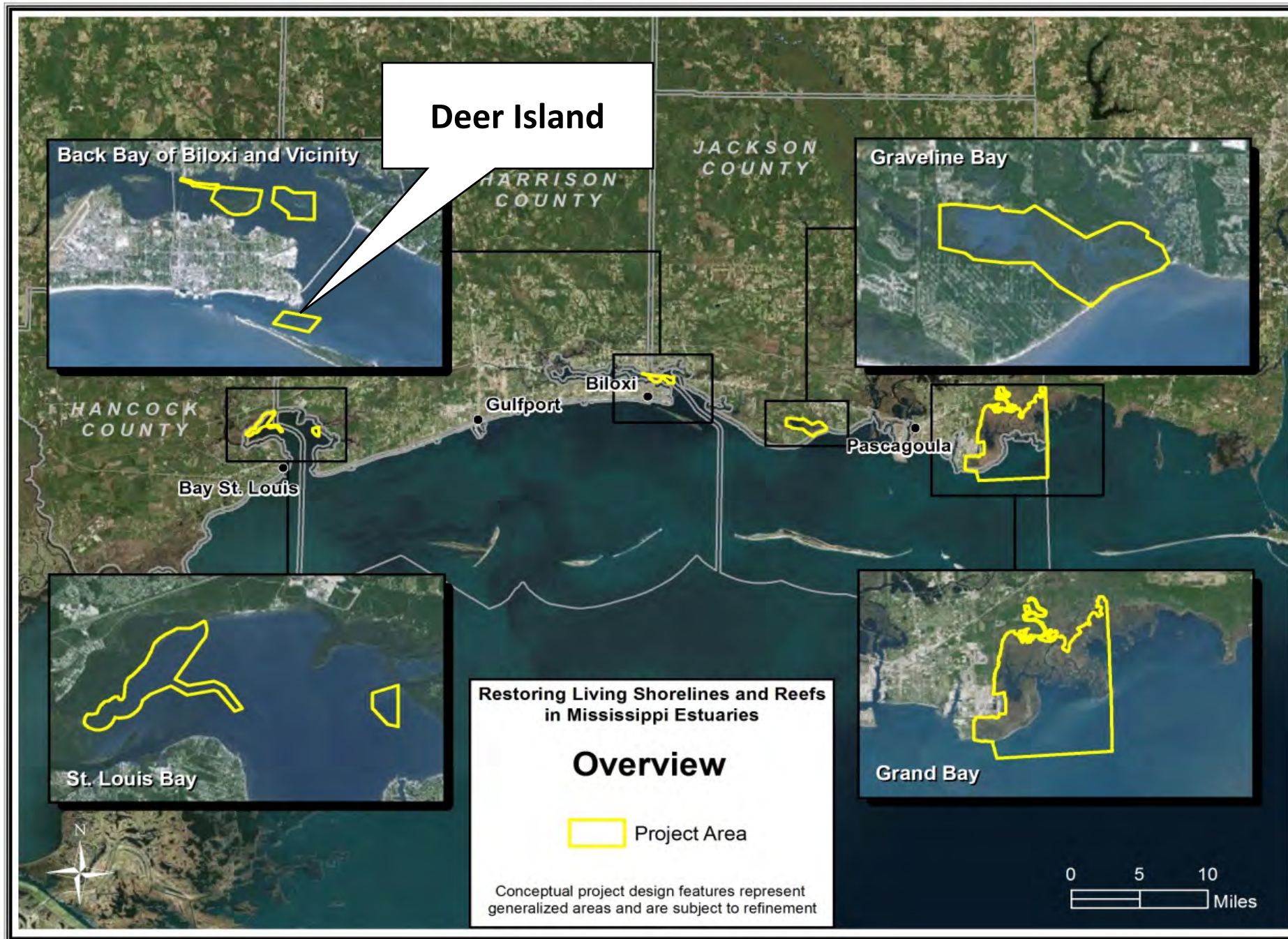
Civil Settlement
Ecological focus
Funding is allocated by resource
Work through TIG
Driven by Oil Pollution Act
Projects require long-term performance monitoring

Phase IV Restoring Living Shorelines and Reefs in Mississippi Estuaries

Building:

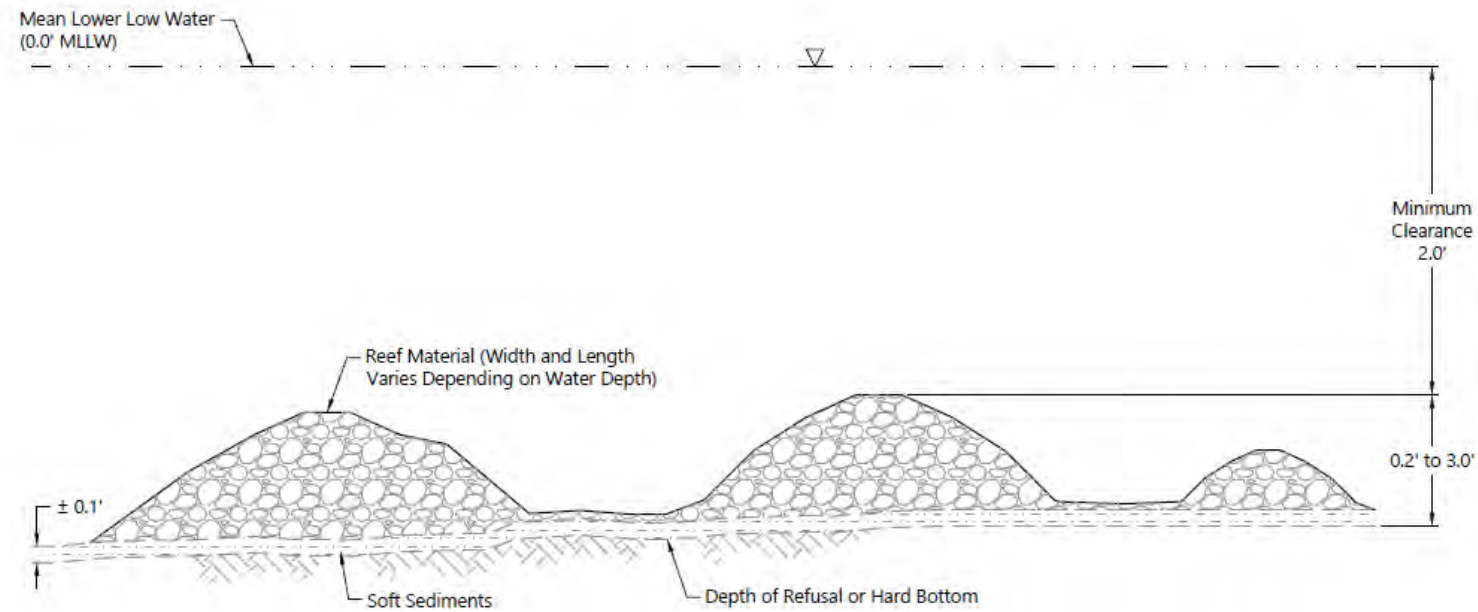
Where:



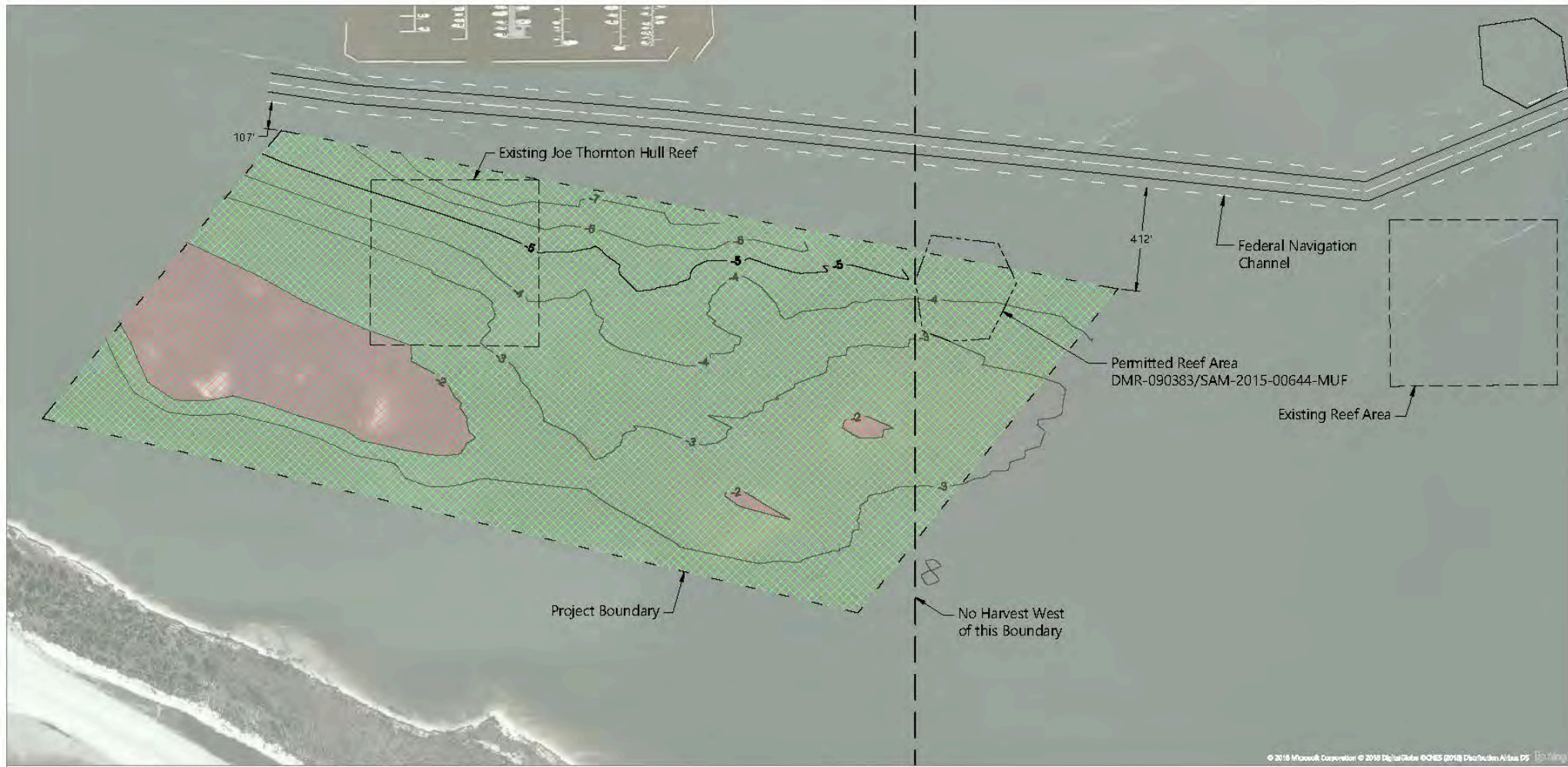


Deer Island 90 –acre high relief Subtidal Reef

Project Goal is
Restoration of lost Benthic Secondary Productivity



Typical Subtidal Reef Detail
Not to Scale






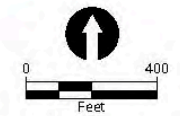
SOURCE: Aerial Image ©2018 Microsoft Corporation ©2018 DigitalGlobe © CNES (2018) Distribution Airbus DS . Survey provided by DIMCO dated June 28, 2016.

HORIZONTAL DATUM: Mississippi State Plane East, NAD83, U.S. Survey Feet
VERTICAL DATUM: Mean Lower Low Water (MLLW)

NOTE: The proposed subtidal reef is located approximately 440' south of the Federal Navigation Channel and 200' west of the current reef project.

LEGEND:

-  Bathymetric Contour in Feet (1' Interval)
-  No Reef Materials Placed Shallower than the -2' Contour
-  Potential Reef Placement - Areas Deeper than -2' MLLW Inside Project Boundary



Print Date: 2018/11/09 4:43 PM | User: dholmer
 Filepath: K:\Projects\1232-Mississippi Department of Environmental Quality\Mississippi Estuaries Living Shoreline\1232-PP-024 (Deer Island - BODR) dwg Fig 3.2 (BODR)



Figure 3.2
Deer Island Subtidal Reef

Proposed Cooperative Agreement Between MDEQ and MDMR

- Per the Consent Decree for the settlement with BP, the project requires a minimum of 5 years of post-construction performance monitoring, which will be made publicly available
- MDEQ is required to conduct biological monitoring of invertebrate infauna and epifauna biomass
- In order to meet the monitoring and project requirements, it is necessary to protect the project area from commercial and recreational harvesting and relay for the duration of the monitoring period (“Harvesting Moratorium”)
- To meet the Project Goals and to comply with the project requirements, MDEQ requests reef protection for a minimum of 5 years post construction or until end of monitoring period, which could be extended by no more than 2 years if performance criteria are not met
- Protection would be achieved through a Cooperative Agreement between MDEQ and MDMR approving the Harvesting Moratorium



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COOPERATIVE AGREEMENT OBJECTIVES



MDEQ RESPONSIBILITIES

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MCMR/MDMR RESPONSIBILITIES



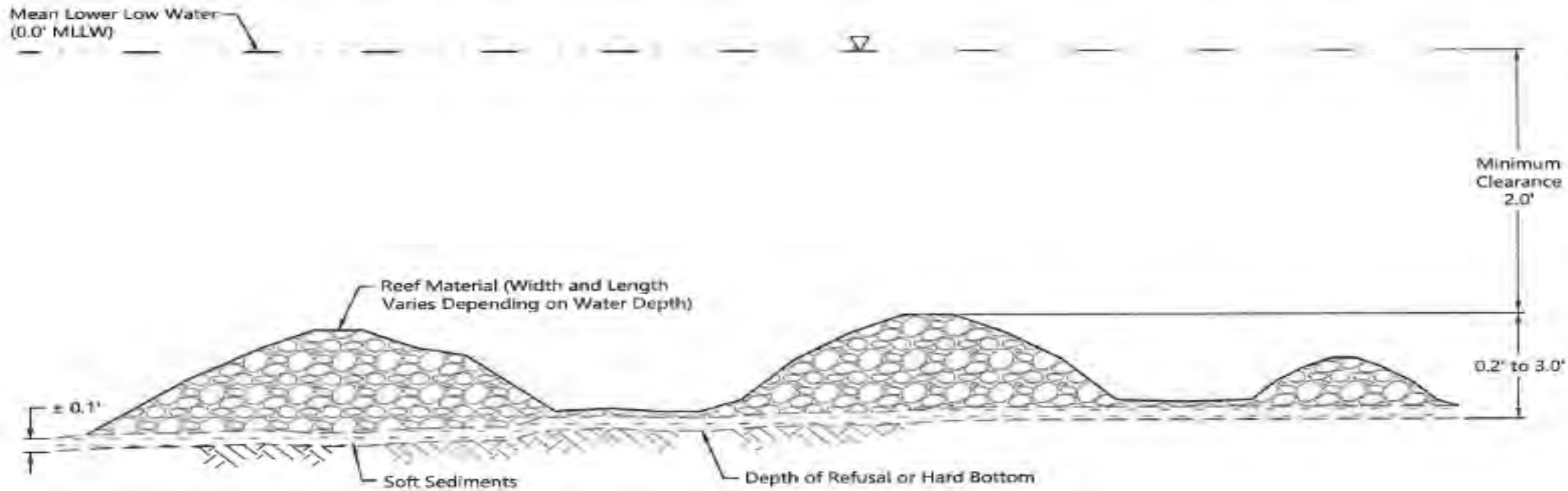
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**Request for Permit by:
MS Department of Environmental Quality
File: DMR-190166**

- **Location: Just north of Deer Island in the Mississippi Sound, Harrison County, MS.**
- **Use District: Mostly (P) Preservation District with a bit of (G) General Use District and (S1) Special Use – Natural and Artificial Oyster Reefs**
- **Project Purpose/Need:**
 - **NRDA Early Restoration Project**
 - **Support secondary productivity**
- **Agent: Alane Young, Covington Civil and Environmental, LLC**

Project Description

- **Subtidal reef creation:**
 - **Approximately 90 acres in the Mississippi Sound**



Typical Subtidal Reef Detail
Not to Scale

Mean Lower Low Water (MLLW)

Project Description

continued

- **The applicant has requested a variance to Chapter VIII, Section 2, Part III.O.1. of the MCP.**
 - **Permanent filling of Coastal Wetlands because of potential adverse and cumulative environmental impacts is discouraged.**
- **This variance request was justified under Ch. VIII, Sect. 2, Part I.E.2.c.i.**
 - **The Impacts on Coastal Wetlands would be no worse than if the guidelines were followed.**

Public and Agency Notification

- Notification of this project appeared in *The Sun Herald* on December 23 and December 30, 2018, and January 6, 2019.
 - One public comment was received concerning the proposed location for the project
- MS DMR:
 - Coastal Preserves:
 - Approved the request to work within the riparian zone of Deer Island contingent on certain conditions
 - Marine Fisheries:
 - The project will positively impact the existing Joe Thornton Hull reef
 - MDMR and MDEQ should establish a formal agreement on what will happen to the site once the project and study is completed

Public and Agency Notification

cont.

- **MS DEQ: Issued 401 Water Quality Certification on March 18, 2019**
- **MS DAH: Requested additional information on where the 45,000 cubic yards of cultch material would come from and what it would consist of**
- **MS SOS: No comment**
- **MS DWFP: If BMPs are implemented the proposed project likely poses no threat to listed species or their habitats**

Recommendation

- **Based upon departmental review and evaluation based on the decision factors in Ch. 8, Sect. 2, Part I.E.2. of the MCP, it has been determined that the project will have a significant public benefit. Therefore, staff recommends that the CMR approve the variance request and issue the requested permit with the following conditions:**
 - **The project area should be re-checked for the presence of SAV during the growing season prior to implementation of the project.**
 - **The survey report should be submitted to the Bureau of Wetlands Permitting at least 30 days prior to project commencement**
 - **If SAV is found in the project area, a final review and approval by MDMR staff should be required prior to project commencement**
 - **A final as-built diagram should be provided to the Bureau of Coastal Preserves within 90 days of construction completion**
 - **Clearance from MDAH should be provided to the Bureau of Wetlands Permitting prior to commencement of construction**



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Mississippi Department of Marine Resources

Agency Financial Results

as of June 30, 2019

Commission on Marine Resources

July 16, 2019

Key Metrics:

- State Revenue of \$31.8M
-Waiting on Appropriations of \$1M from Treasury
- Agency Revenue of \$50.3M
- State Net Income of \$19.8M
- Agency Net Income of \$20.7M

MISSISSIPPI DEPARTMENT OF MARINE RESOURCES

Income Statement - Fiscal Year 2019

As of June 30, 2019

	State	Federal : NFWF:	Operating Subtotal	Tidelands	Total DMR
Revenue:					
Transfer in from Other Governments	-	37,837	37,837	10,000,000	10,037,837
Off-road Fuel Tax	3,050,000	-	3,050,000	-	3,050,000
Federal/NonFederal Grants	53,200	7,179,532	7,232,732	-	7,232,732
Sales Revenue	1,116,918	1,243	1,118,160	2,298	1,120,458
Indirect Cost Recovery	1,632,328	-	1,632,328	-	1,632,328
Other Revenue	25,994,415	792,597	26,787,012	446,593	27,233,605
Current Budget Year Revenue:	31,846,861	8,011,208	39,858,069	10,448,891	50,306,959
Expenditures:					
Salaries, Wages, Fringe	5,323,518	2,369,723	7,693,241	1,032,205	8,725,446
Travel	39,421	48,726	88,147	35,277	123,424
Contractual Services	3,347,912	1,353,752	4,701,664	846,306	5,547,970
Commodities	1,352,672	1,549,703	2,902,375	181,271	3,083,645
Other than Equipment	-	-	-	-	-
Equipment	420,506	499,896	920,402	53,658	974,060
Vehicles	-	127,640	127,640	-	127,640
Wireless Devices	351	433	785	274	1,058
Subsidies, Loans, and Grants	1,482,605	2,653,993	4,136,597	6,882,906	11,019,503
Current Budget Year Expenditures:	11,966,984	8,603,866	20,570,850	9,031,896	29,602,746
Current Budget Year Net Income/(Loss):	\$19,879,877	\$ (592,658)	\$19,287,219	\$ 1,416,995	\$ 20,704,213

Financial Budget Comparison

- After twelve months of Fiscal Year 2019:

MISSISSIPPI DEPARTMENT OF MARINE RESOURCES
2019 Budget Comparison
As of June 30, 2019

	<i>Actual Year to Date Expenditures</i>			<i>Budget Year Totals</i>			<i>Percent Remaining</i>		
	Operating	Tidelands	Total	Operating	Tidelands	Total	Operating	Tidelands	Total
Expenditures:									
Salaries, Wages, Fringe	\$ 7,693,241	\$ 1,032,205	\$ 8,725,446	\$ 10,937,659	\$ 1,112,526	\$ 12,050,185	29.7%	7.2%	27.6%
Travel	88,147	35,277	123,424	325,487	45,000	370,487	72.9%	21.6%	66.7%
Contractual Services	4,701,664	846,306	5,547,970	9,602,848	1,512,590	11,115,438	51.0%	44.0%	50.1%
Commodities	2,902,375	181,271	3,083,645	3,380,674	450,000	3,830,674	14.1%	59.7%	19.5%
Equipment	920,402	53,658	974,060	1,359,408	225,000	1,584,408	32.3%	76.2%	38.5%
Vehicles	127,640	-	127,640	170,000	-	170,000	24.9%	0.0%	0.0%
Wireless Devices	785	274	1,058	6,250	500	6,750	87.4%	0.0%	84.3%
Subsidies, Loans, and Grants	4,136,597	6,882,906	11,019,503	18,180,150	11,325,308	29,505,458	77.2%	39.2%	62.7%
Total Expenditures:	\$ 20,570,850	\$ 9,031,896	\$ 29,602,746	\$ 44,032,561	\$ 14,670,924	\$ 58,703,485	53.3%	38.4%	49.6%

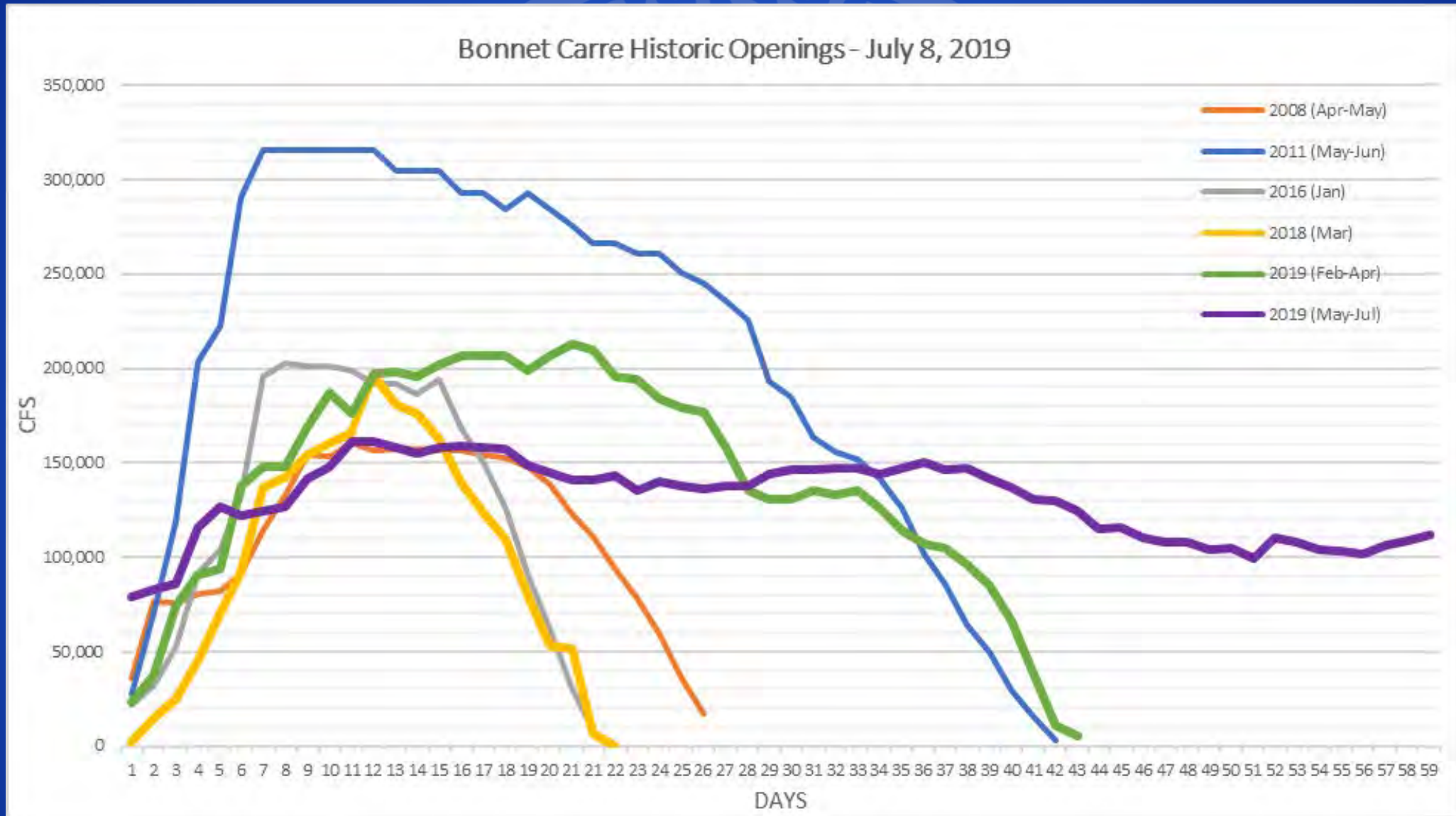
- Operating Funds have 53.3% of Budget remaining
- Tidelands Trust Fund has 38.4% of Budget remaining



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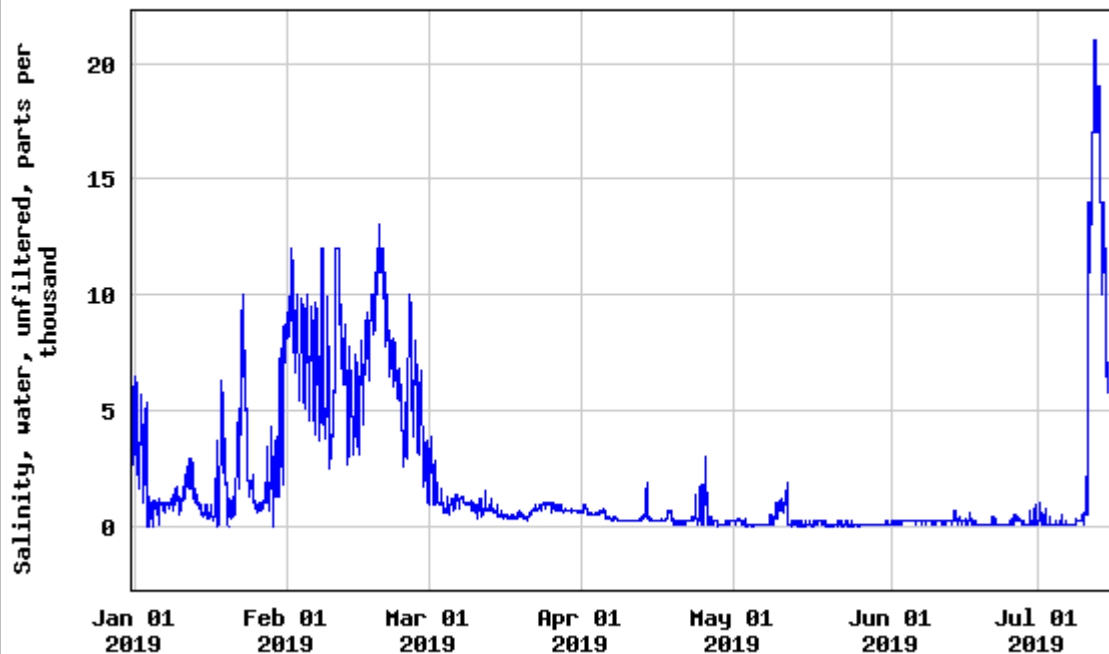
Bonnet Carré Spillway Update

Bonnet Carré Spillway Gates and Flow Rate Update





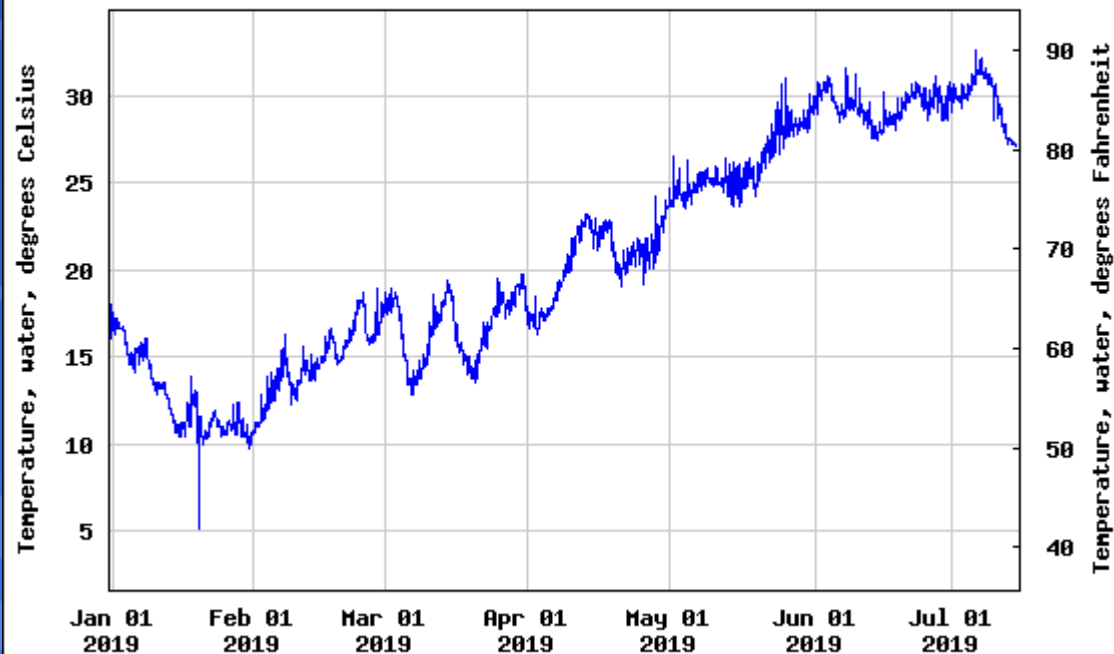
USGS 301104089253400 MISSISSIPPI SOUND AT USGS ST JOSEPH ISLAND LIGHT



---- Provisional Data Subject to Revision ----

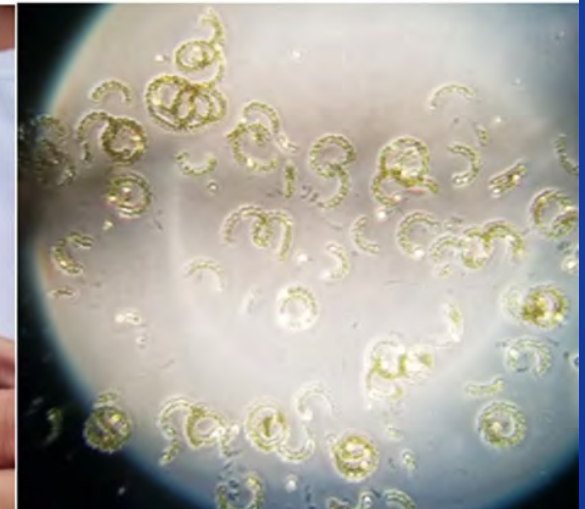


USGS 301104089253400 MISSISSIPPI SOUND AT USGS ST JOSEPH ISLAND LIGHT

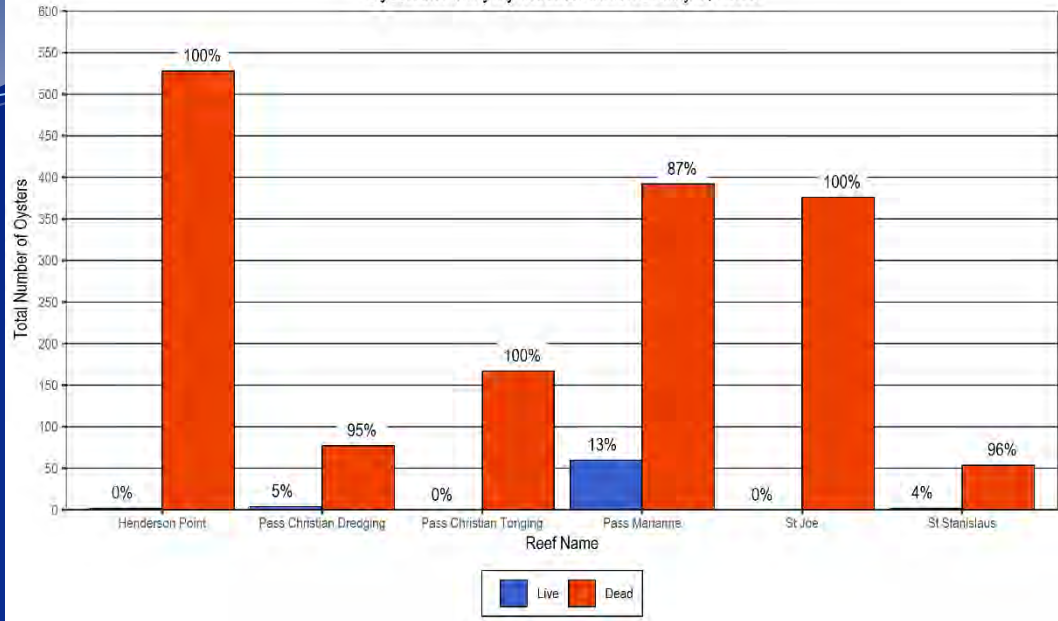


---- Provisional Data Subject to Revision ----

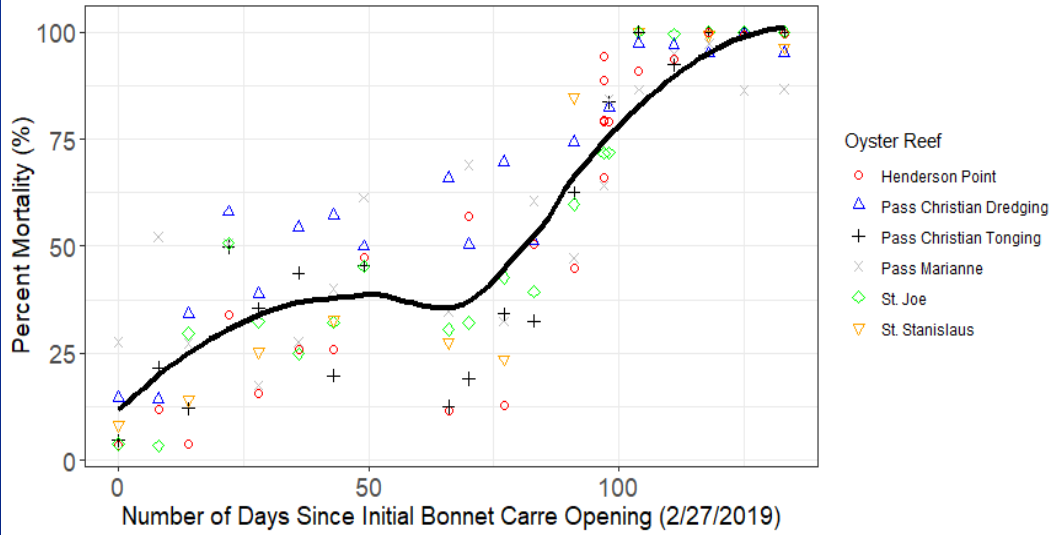
- An algal bloom, first reported to MDMR on June 12 in the Western MS Sound was identified as a freshwater blue green algae, *Dolichospermum* spp.
- On June 14 samples were sent to the NOAA Phytoplankton Monitoring Network in Charleston, SC, for testing of microcystin. Results indicated a concentration below the WHO 's and the EPA's guidelines for drinking water and recreational contact.
- Samples collected from the western Sound on June 19 contained *Dolichospermum* spp. and *Microcystis*, a producer of microcystin.
- On June 22, MDEQ issued its first set of beach closures for Hancock County. Additional closures of beaches east to Gulfport Central Beach have been issued.
- From June 24 to 26, the MDMR HAB Response Team received and analyzed 81 samples from the Mississippi Sound and beaches. An additional seven samples were shipped to NOAA for analysis of saxitoxins. The results received on June 28 indicate that all samples analyzed were below the limit of quantification.
- From July 1 to July 15, MDMR and MDEQ worked closely to monitor for the presence of cyanobacteria both near shore and off shore. *Microcystis* continued to persist within most samples collected.



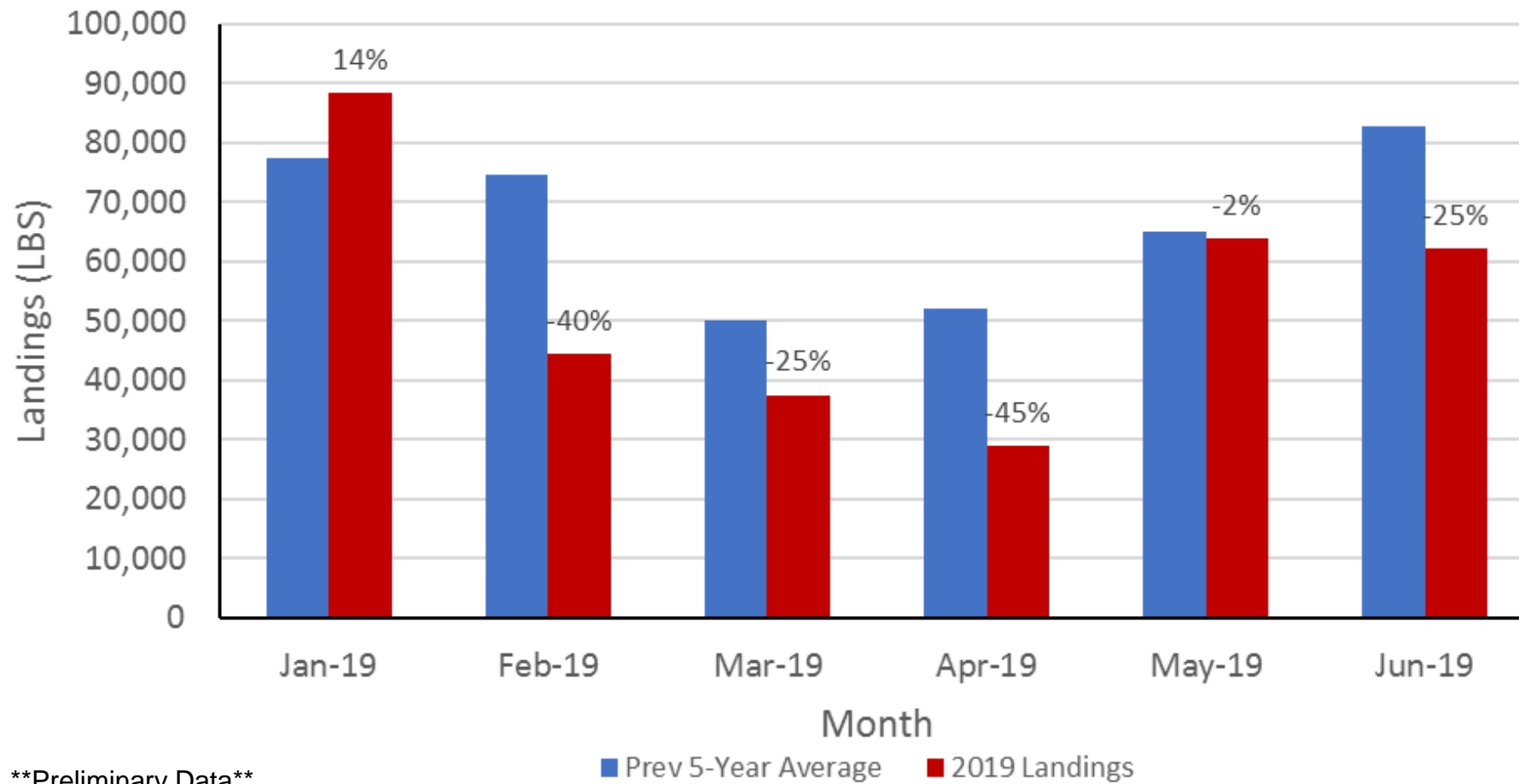
Oyster Mortality by Reef for Week of July 9, 2019



Oyster Mortality

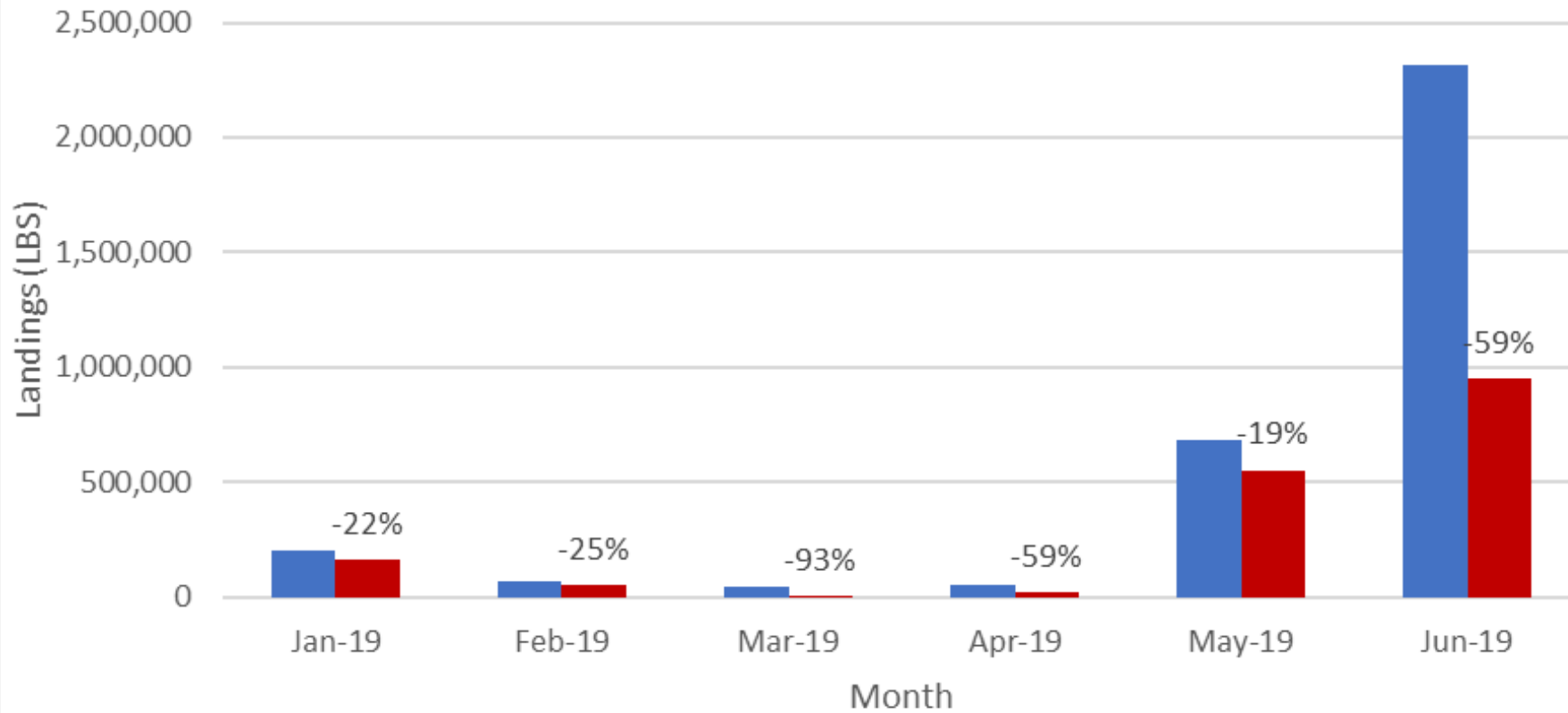


Mississippi Blue Crab Landings vs. 5-year Average



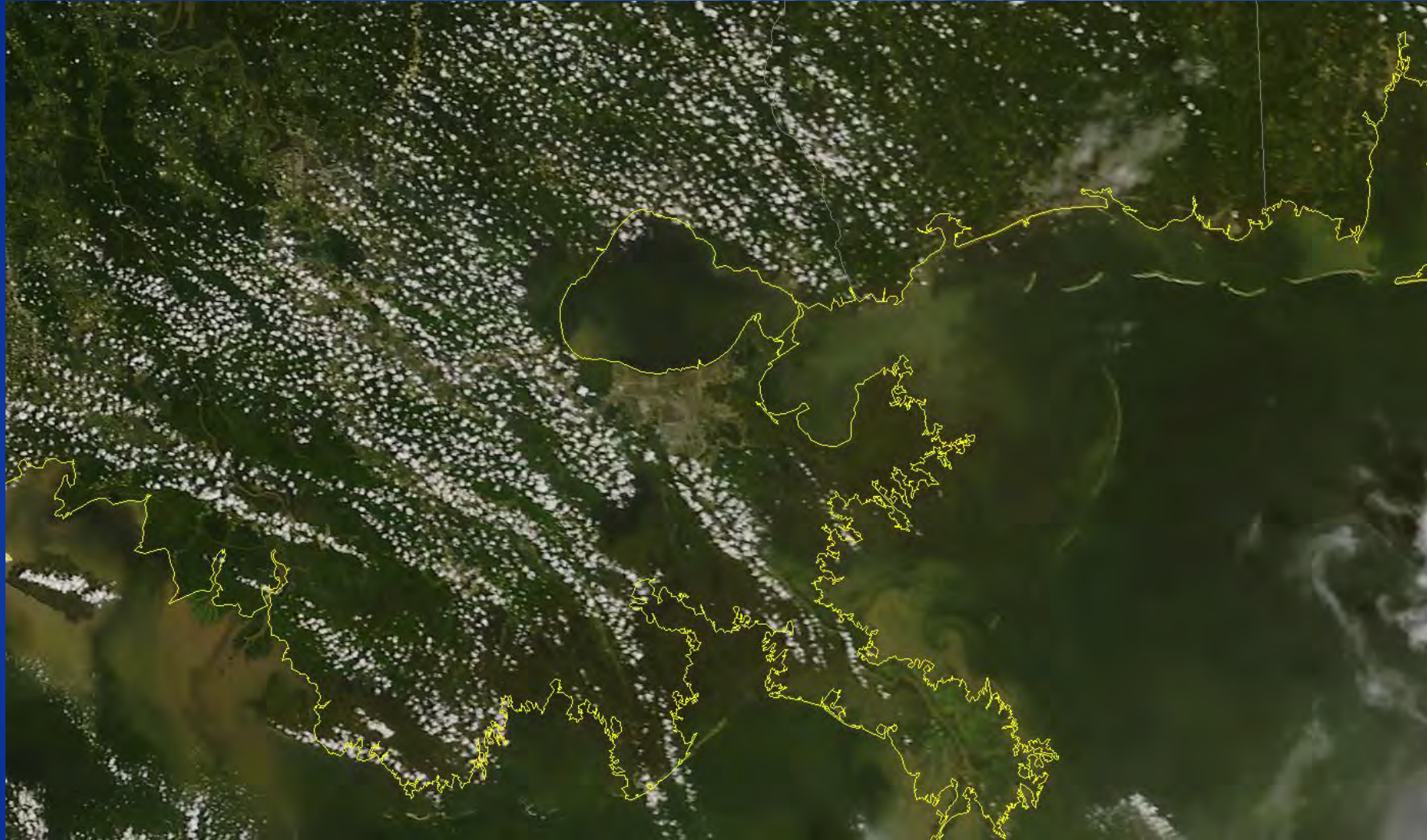
Preliminary Data

Mississippi Shrimp Landings vs. 5-year Average



Preliminary Data

■ Prev 5-Year Average ■ 2019 Landings



July 7, 2019

ENHANCE ★ PROTECT ★ CONSERVE

The background features a large, faint, circular seal of the Mississippi Department of Marine Resources. The seal contains the text "MISSISSIPPI" at the top and "DEPARTMENT OF MARINE RESOURCES" at the bottom. In the center of the seal is a stylized illustration of a bird in flight over waves.

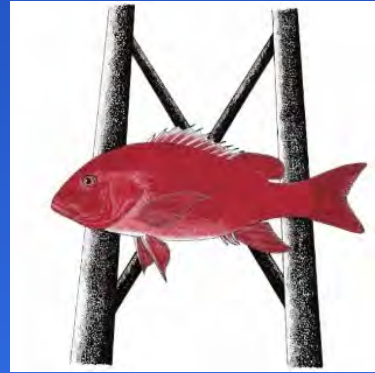
QUESTIONS?

ENHANCE ★ PROTECT ★ CONSERVE



2019 Mississippi EFP Red Snapper Mid-Season Update

ENHANCE ★ PROTECT ★ CONSERVE



Commission of Marine Resources Meeting

Trevor Moncrief

July 16, 2019

K.2.

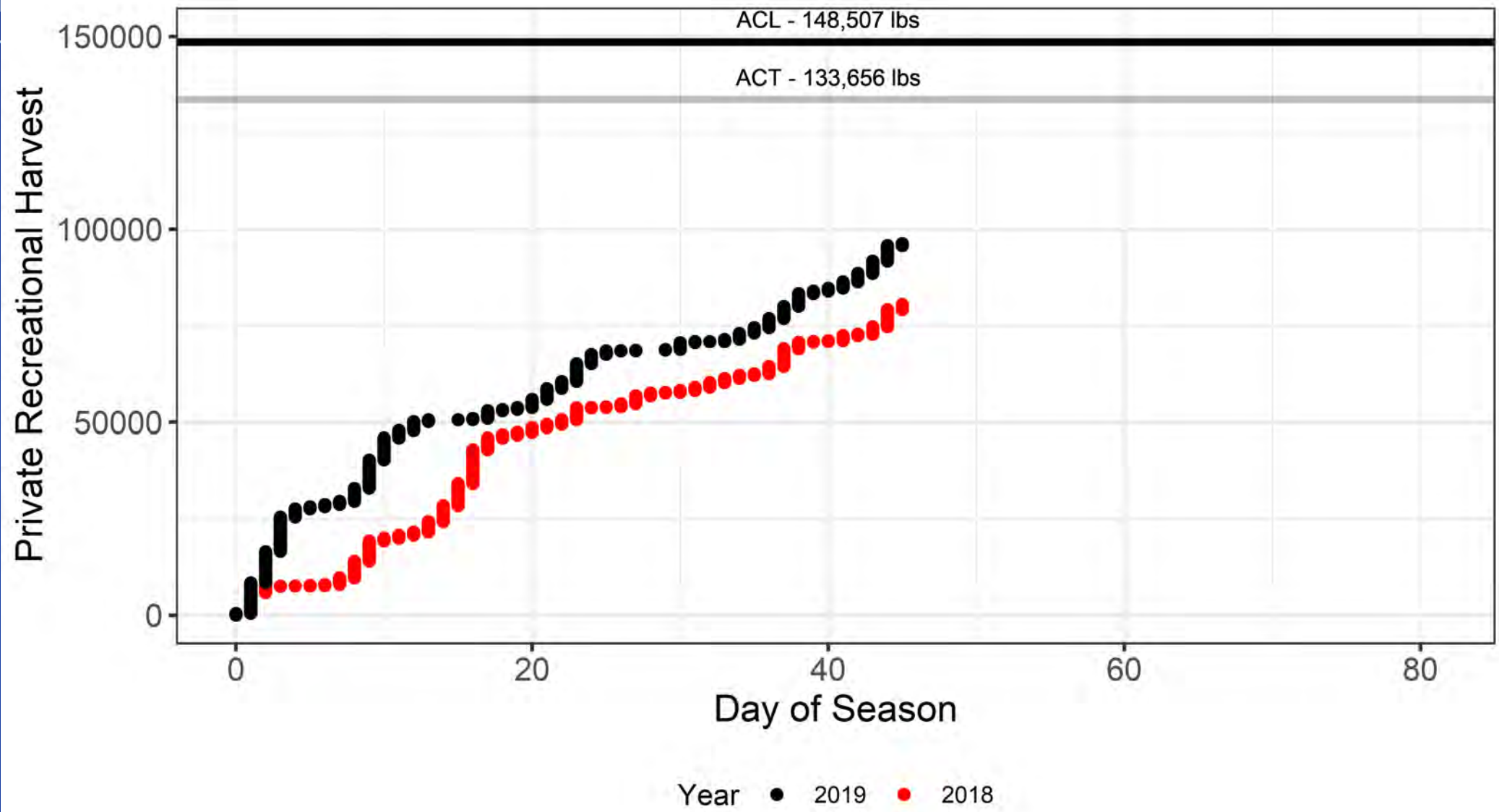
2019 Mid-Season Update (PR only)

2018 (Prior to July 9th closure)

- Harvest: 80,546 pounds
- Number Fish Harvested: 13,226
- Average Weight: 6.09
- Trips: 3,360
- Effort: 3.02 Anglers/Vessel/Trip
- Harvest: 1.30 Fish/Angler/Trip

2019 (Prior to July 8th closure)

- Total Harvest: 96,092 pounds
- Number Fish Harvested: 17,664
- Average Weight: 5.44 pounds
- Trips: 3,480
- Effort: 3.87 Anglers/Vessel/Trip
- Harvest: 1.31 Fish/Angler/Trip



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QUESTIONS?

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State Saltwater Finfish Record

Matt Hill
June 19, 2019



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Youth Saltwater Fishing Record

Gray Snapper
Lutjanus griseus

New Record: 11 lbs. 15.2 oz.

Angler: Hudson Havard



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Required:

Motion to Adopt New State Record

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