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# Mississippi Advisory Commission on Marine Resources

November 15, 2022



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# Employment, Contracts and Procurement Updates November 15, 2022

# Employment Updates

- Dakota Ladner – Moved to full-time employee – Environmental/Natural Resources Specialist I – Marine Fisheries (Finfish) – 10.01.22
- Jacob Nickerson – Environmental/Natural Resources Specialist II – Marine Fisheries (Lyman Hatchery) – 10.08.22
- Kristi Taylor – Dispatcher I – Marine Patrol – 11.07.22
- Melody Chaplin – Promoted to Environmental/Natural Resources Specialist Team Lead – Marine Fisheries (Shrimp & Crab) – 10.16.22
- Brett James – Promoted to Environmental/Natural Resources Specialist Team Lead – Coastal Resources (Permitting) – 11.16.22

# Contracts and Procurements for October 2022

<b>Commodity Contracts</b>					
<u>Vendor</u>	<u>Procurement Method</u>	<u>Amount</u>	<u>Term</u>	<u>Funding Source</u>	<u>Commodity/Service Description</u>
Spat Tech	Live Animal Exemption	800,000.00	9 Months	GOMESA	925 Sack of Seed Oysters



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# Mississippi Advisory Commission on Marine Resources

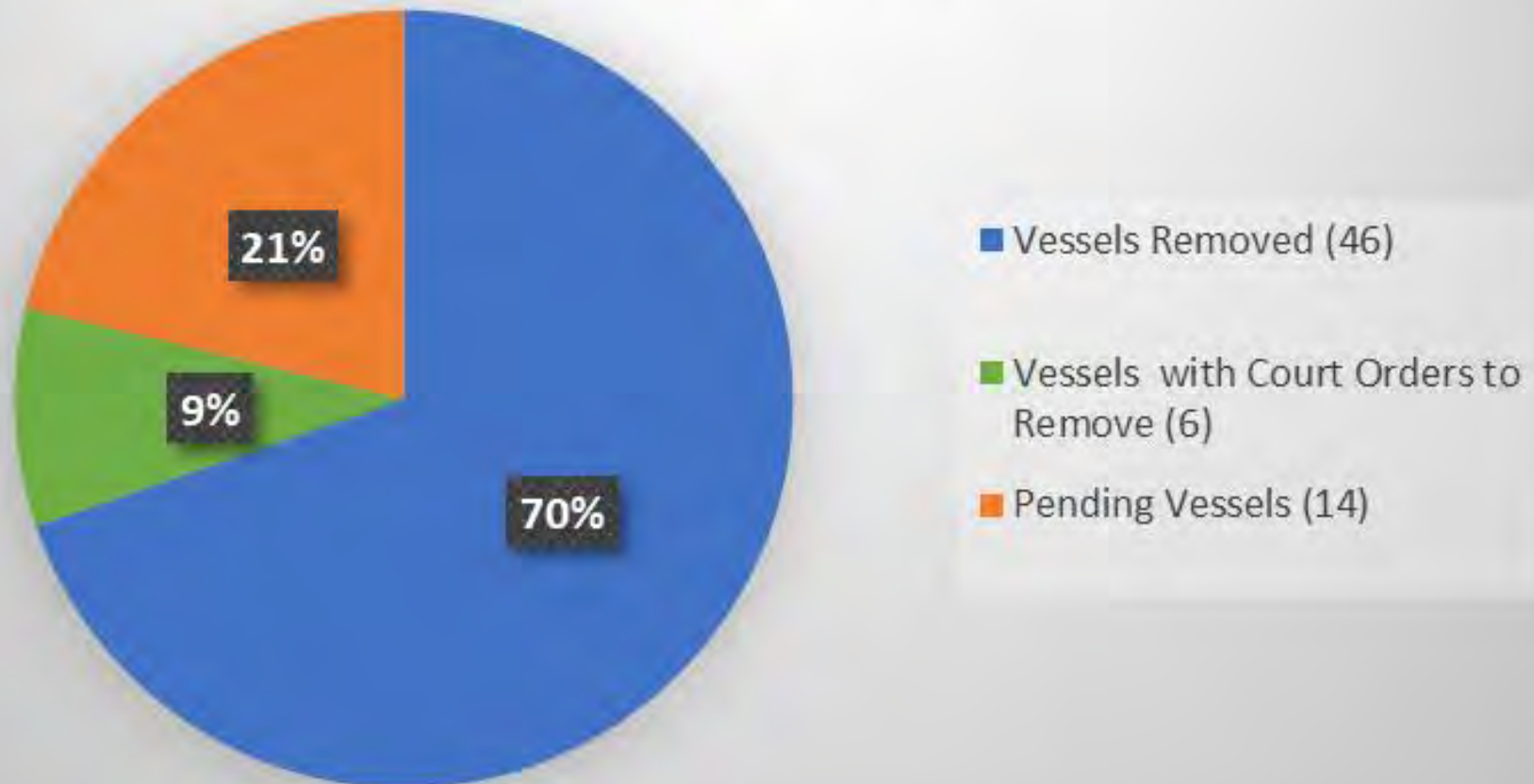
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# Derelict Vessel Update

## 2022 DV Status





# Jackson County



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# Harrison County



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# Harrison County



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# Harrison County



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# Hancock County



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# Expenditures to Date

Completed Projects:	\$46,500.00
Pending Projects:	\$58,910.00
Process Servers & Public Notifications:	\$945.80
Total:	\$106,355.80

# To report a Derelict Vessel

<https://dmr.ms.gov/derelict-vessels/>

Call: (228)374-5000

Email: [derelict.vessel@dmr.ms.gov](mailto:derelict.vessel@dmr.ms.gov)

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# Actions Update for November 15, 2022 Commission Meeting



# Discussed at the October 2022 meeting:

- The Commission recommended and the Director approved the following motions:
  - 1) Approval of the following State Saltwater Youth Finfish Records.
    - a. Conventional Tackle
      1. Blacktip Shark (*Carcharhinus limbatus*) – 58 lbs. 6.4 oz. – Rodie Armes
  - 2) Changed the date of the December commission meeting from Dec 20, 2022 to December 13, 2022 at 9:00 a.m.

# Pending Items:

Approval of the August 18, 2022 meeting minutes.

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# Mississippi Advisory Commission on Marine Resources

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# Coastal Preserves Activity Update

## 2022

- **Invasive Species control**

- **Giant and Common Salvinia**

- 78 spray missions
- 390 miles within 20 different waterways

- **Giant Applesnail**

- 26,800 Snails Captured
- 37,800 Egg Masses Destroyed
- 5,600 miles of shoreline surveyed

- **Feral Hogs**

- 446 Hogs removed/killed on Coastal Preserve sites

- **Cogongrass, Chinese Tallow, Cherokee Rose, Japanese Climbing Fern, Chinese Privet is actively controlled and sprayed on 8 preserve sites.**

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# Coastal Preserves Activity Update

## 2022

- **Trail Maintenance**
  - 12 miles of trail mowed, maintained, and cleared
- **Mechanical Clearing**
  - 14 Acres cleared within 3 preserves
- **Multiple outreach activities including:**
  - Booth at the invasive species awareness event at the MS Aquarium
  - Summer Camp talks on Deer Island
  - Gulfport School district conservation talk

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# Coastal Preserves Activity Update

## 2022

- Land Acquisitions
  - Approx 980 acres of marsh, wet pine forest, and maritime forest in Bay St. Louis, MS
- Tree Planting
  - Approximately 2000 pine trees on Deer Island BU site
- Future Projects
  - Prescribed burns on multiple preserve areas
  - Logging/Timber harvesting on 5 preserves
  - Larger Scale invasive species treatment on multiple preserves
  - Updated Kiosks

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# Mississippi Advisory Commission on Marine Resources

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# Mississippi Department of Marine Resources

Coastal Resources Management  
November 2022



**Request for Permit by:**  
**MDMR Beneficial Use of Dredged Material**  
**Program**  
**DMR22-000547**

- **Location: The Mississippi Sound**  
7 miles south of Pass Christian  
5.5 miles west of Cat Island
- **Use District: (G) General Use District**
- **Agent: Anchor QEA**

# Project Description

- **Impacts**

- **Fill of 900 acres of unvegetated waterbottoms**
- **Dredging of 917,000 cubic yards from inside the project footprint to create 28,000 linear feet of containment berms**
- **Overlay the sediment berm with 528,000 cubic yards of armor stone**
  - **Berm crest – 5 feet mean lower low water (MLLW)**
  - **Berm crest width–15 feet**
  - **Berm base width – maximum of 135 feet**
- **Construction of marsh with dredged material**
  - **Elevations ranging from -0.5 to 3.0 feet MLLW**
- **Requesting a 10-year permit**

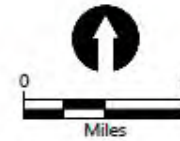


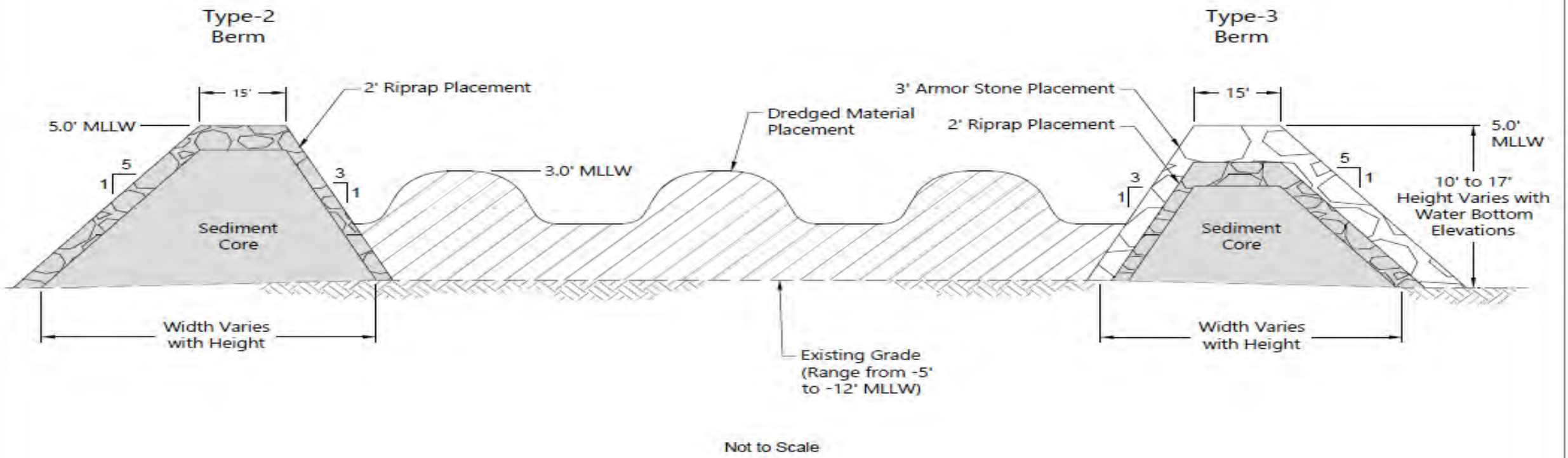


SOURCE: Aerial ©2018 Microsoft Corporation  
 Earthstar Geographics SIO

**LEGEND:**

900+00  
 +--+ Centerline of Gulf Intracoastal  
 Waterway (GIWW)





Publish Date: 2022/03/29 8:42 AM | User: dholmer  
 Filepath: K:\Projects\0762-Mississippi Department of Marine Resources\Pelican Key BU Design\0762-BODR-002 (Pelican Key).dwg Figure 3 (BODR)



**Figure 3 (BODR)**  
**Conceptual Beneficial Use Area Cross Section A-A'**

Pelican Key Project  
 Preliminary Basis of Design Report  
 Mississippi Department of Marine Resources



# Applicable Decision Factors

continued

- **b) Coastal Wetlands Use Plan...**
  - **The proposed project is allowable within the General Use District but the applicant is requesting a change to the Coastal Wetlands Use Plan in the footprint of the proposed project to a Special Use District: S-6 for Restoration and Enhancement Areas**
  - **Justified under Miss. Admin. Code Title 22, Part 23 (MS Coastal Program), Chapter 7, Section 105.06.01 and 105.06.02**
    - There is a significant public benefit
    - Impacts to public access and adverse environmental impacts have been minimized
    - The general public and governmental entities were notified of the project
    - A public hearing was held

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# Applicable Decision Factors

continued

- **c) Variance to the MS Coastal Program...**
  - **Miss. Admin Code Title 22, Part 23 (MS Coastal Program), Chapter 8, Section 114.01**
    - “Permanent filling of coastal wetlands below the mean high tide line because of potential adverse and cumulative environmental impacts is not authorized.”
  - **Justified under Miss Admin Code Title 22, Part 23 (MS Coastal Program), Chapter 8, Section 118.04**
    - **Impacts to Coastal Wetlands would be no worse than if the guidelines were followed**
      - **Creating 820 acres of marsh habitat**
      - **Supplying a Beneficial Use (BU) site in the western Mississippi Sound**

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# Applicable Decision Factors

continued

- **I) Comments...**
  - **Public Notice**
    - Notification of the project appeared in the Sun Herald on September 25, October 2, and October 9, 2022 and a public hearing was held on October 19, 2022
      - No public comments were received
  - **MS DEQ: No comments were received**
  - **MS DAH: No objections**
  - **MS SOS: No objections**
  - **MS DWFP: No comments were received**

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# Staff Recommendation

- The staff of the Department of Marine Resources has conducted a thorough evaluation of the project and has made findings on the decision factors in accordance with the Mississippi Coastal Program (MCP). Based on the results of these findings, it has been determined that the project is consistent with the MCP because it serves a higher public purpose.
  - Creation of 820 acres of marsh habitat
  - Providing a Beneficial Use (BU) site in western Mississippi Sound
- Staff requests a motion that the Commission recommend to the Executive Director:
  - Approve the Requested Variance
  - Approve the Use Plan Change
  - Approve the Permit as Requested

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# Mississippi Advisory Commission on Marine Resources

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# Mississippi Department of Marine Resources

Agency Financial Results  
as of October 31, 2022



# Financial Budget Comparison

- After four months of Fiscal Year 2023:

**MISSISSIPPI DEPARTMENT OF MARINE RESOURCES**  
**2023 Budget Comparison**  
**As of October 31, 2022**

	<i>Actual Year to Date Expenditures</i>			<i>Budget Year Totals</i>			<i>Percent Remaining</i>		
	<b>Operating</b>	<b>Tidelands</b>	<b>Total</b>	<b>Operating</b>	<b>Tidelands</b>	<b>Total</b>	<b>Operating</b>	<b>Tidelands</b>	<b>Total</b>
<b>Expenditures:</b>									
Salaries, Wages, Fringe	\$ 2,876,042	\$ 321,839	\$ 3,197,881	\$ 12,147,340	\$ 1,672,239	\$ 13,819,579	76.3%	80.8%	76.9%
Travel	29,462	4,071	33,533	163,461	25,000	188,461	82.0%	83.7%	82.2%
Contractual Services	579,922	114,818	694,740	7,291,650	1,651,000	8,942,650	92.0%	93.0%	92.2%
Commodities	136,040	24,746	160,786	3,078,291	360,000	3,438,291	95.6%	93.1%	95.3%
Other than Equipment	10,072	15,109	25,181	39,522	15,109	54,631	0.0%	-	0.0%
Equipment	34,137	1,266	35,403	428,613	175,000	603,613	92.0%	99.3%	94.1%
Vehicles	108,511	50,959	159,470	170,000	250,000	420,000	36.2%	0.0%	62.0%
Wireless Devices	-	-	-	6,250	-	6,250	100.0%	0.0%	100.0%
Subsidies, Loans, and Grants	3,438,856	556,529	3,995,385	100,392,881	8,306,899	108,699,780	96.6%	93.3%	96.3%
<b>Total Expenditures:</b>	<b>\$ 7,213,043</b>	<b>\$ 1,089,336</b>	<b>\$ 8,302,379</b>	<b>\$ 123,718,008</b>	<b>\$ 12,455,247</b>	<b>\$ 136,173,255</b>	<b>94.2%</b>	<b>91.3%</b>	<b>93.9%</b>

- Operating Funds have 94.2% of Budget remaining
- Tidelands Trust Fund has 91.3% of Budget remaining





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# Mississippi Department of Marine Resources

## FY2023 Tidelands Trust Fund



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# Tidelands FY2025 Schedule

Date	Description
May 31, 2023	Request for Proposals
July 1, 2023	Deadline for Proposals
July - Aug 2023	Compliance Review
September - October 2023	Merit Review
November 2023	Recommendations and CMR Approval of Ranked Proposals
December 2023	Legislative Forum
January 2024	Projects/Report to Legislature
April 2024	FY2025 Appropriations
November 2024	Check from SOS Office
November - December 2024	Projects Awarded



# Tidelands Trust Fund

## FY2024 Proposal Results

**94 APPLICATIONS SUBMITTED**  
**\$34,916,863.59**

**50 PUBLIC ACCESS**  
**\$25,526,192.59**

**27 Submitted by Cities**  
**\$13,913,077.50**

**13 Submitted by Counties**  
**\$8,652,077.50**

**10 Miscellaneous**  
**\$2,961,037.59**

**44 TIDELANDS MANAGEMENT**  
**\$9,390,671.00**

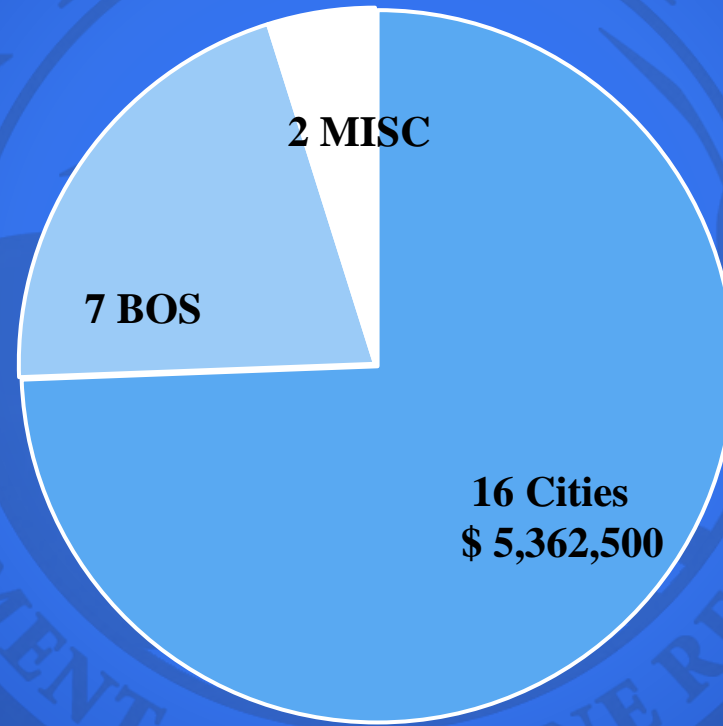
**22 Submitted by MDMR**  
**\$4,269,308.00**

**15 Submitted by Universities**  
**\$3,661,291.00**

**7 Miscellaneous**  
**\$1,460,072.00**

*Appropriated for FY2023: \$12,455,247*

# Public Access Awards FY2023

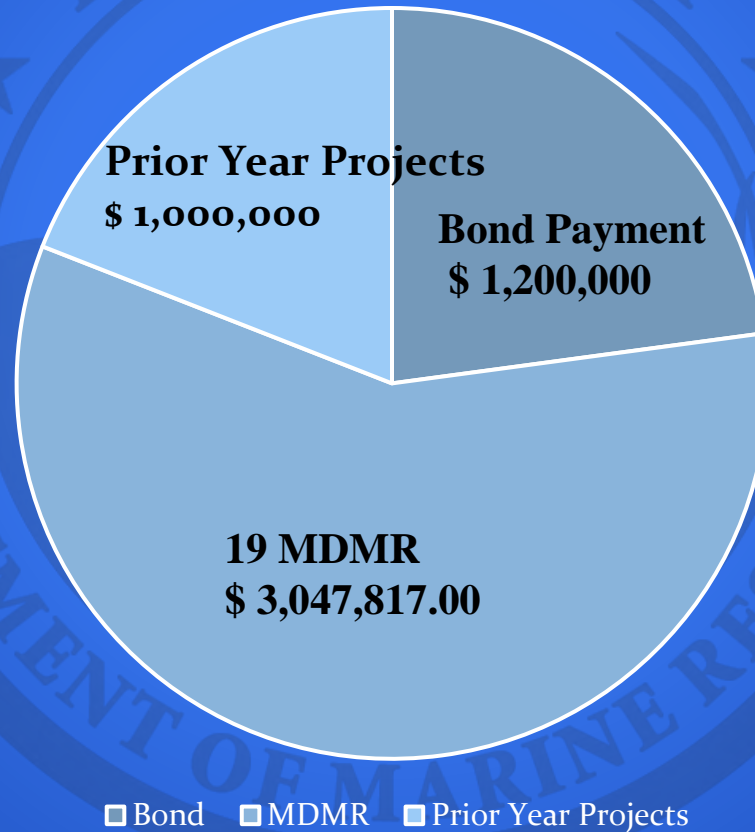


□ Cities   □ Board of Supervisors   ■ Misc

Tidelands FY2023 Public Access Awards Total \$ 7,207,430.00

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# Managed Projects Awards FY2023



Tidelands FY2023 Managed Projects Allocated \$3,047,817.00





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# Mississippi Spotted Seatrout Stock Assessment

Trevor Moncrief  
November 15, 2022

# Background

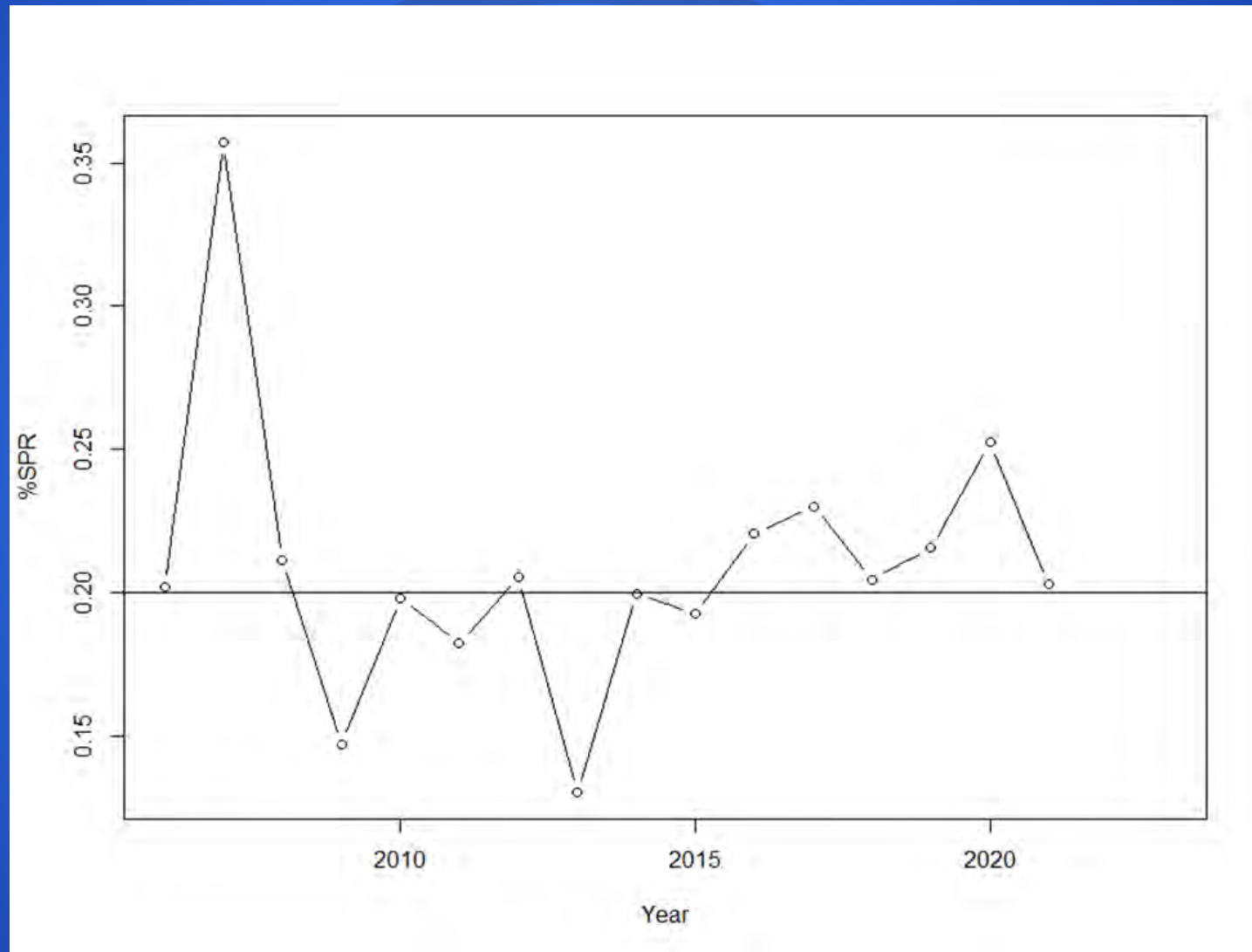
- Initial draft completed in early 2022 by the Mississippi Stock Assessment Panel
- The panel is comprised of staff from MDMR and the Gulf Coast Research Laboratory
- Completed internal MDMR review and sent for peer-review
- Final analysis and edits completed in October 2022



# Model Used for Informing Management Decisions

- Presently accepted on a peer reviewed level and models identified as best available science
- Assessment was completed using SS3, which is widely used in SEDAR assessments for federally managed species
- This model included a re-evaluation of harvest estimates for 2016, due to findings during an examination of the time series

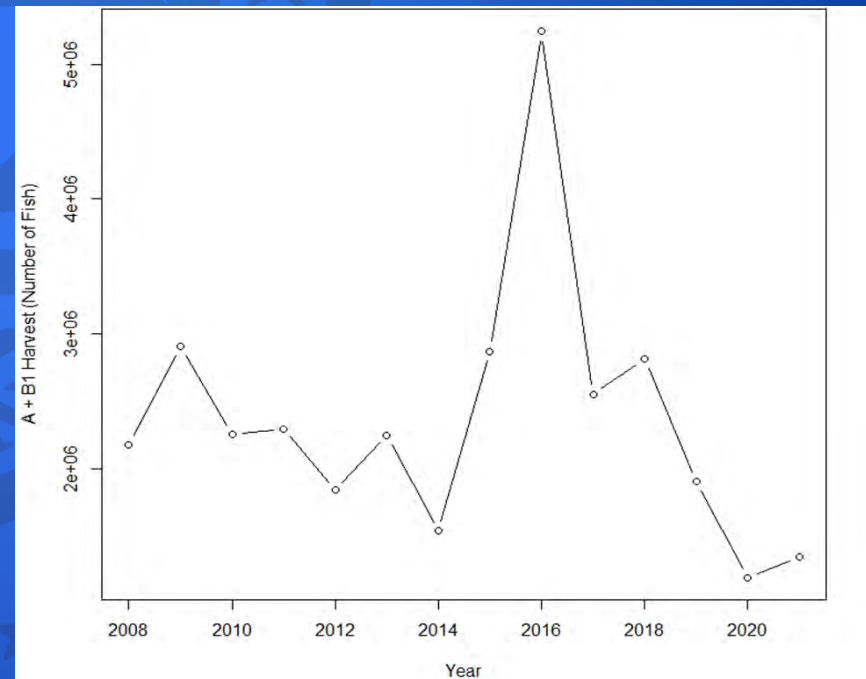
# %SPR



Time series of %SPR for the Mississippi SST stock

# %SPR Discussion

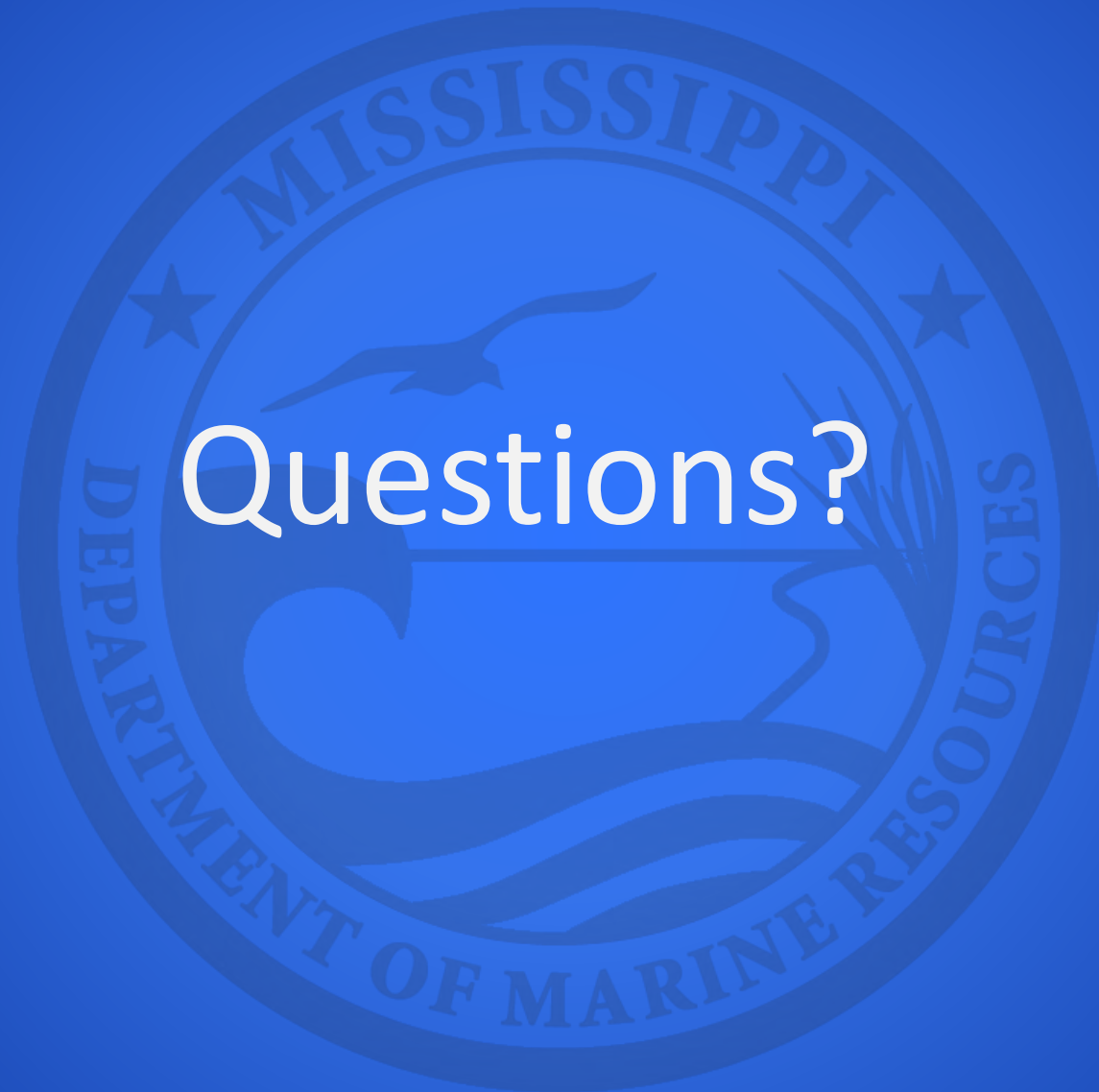
- Shifts in relative abundance and fishing pressure drive fishing mortality estimates
- These drivers lead to fluctuations in %SPR values observed in this assessment
  - Five-year average – 22.1%
  - Terminal year – 20.3%
- While positive trends were observed, we are continuing to examine the IOA and harvest estimates for the coming year





# Summary

- The pattern observed in %SPR for this assessment is overall positive but we will continue to examine the IOA in coming years
- Current 20% SPR target will likely continue to maintain or increase SST population at current harvest and effort levels
- Peer review was positive, with multiple constructive comments on how to improve data compilation and the assessment model
- Staff have recommended status quo for the fishery, as impacts from recent year's events must continue to be evaluated



Questions?

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# State Saltwater Finfish Records

Trevor Moncrief  
November 15, 2022

The seal of the Mississippi Department of Marine Resources is a circular emblem. It features a central illustration of a bald eagle with its wings spread, perched on a stylized wave. The eagle is facing left. The wave is depicted with three curved lines. The seal is surrounded by a circular border containing the text "MISSISSIPPI" at the top and "DEPARTMENT OF MARINE RESOURCES" at the bottom, separated by two five-pointed stars on each side.

# All Tackle Record

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# All Tackle Fishing Record

Dog Snapper  
*Lutjanus jocu*

Old Record: 15lbs

New Record: 24lbs 2.4oz.

Angler: Mark Kleinpeter

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The seal of the Mississippi Department of Marine Resources is centered in the background. It features a circular design with the word "MISSISSIPPI" at the top and "DEPARTMENT OF MARINE RESOURCES" at the bottom. Inside the circle, there is a silhouette of a bird in flight over wavy lines representing water, with a star on each side.

# Motion to Recommend Adoption of New State Record

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