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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

Commodity Contracts					
<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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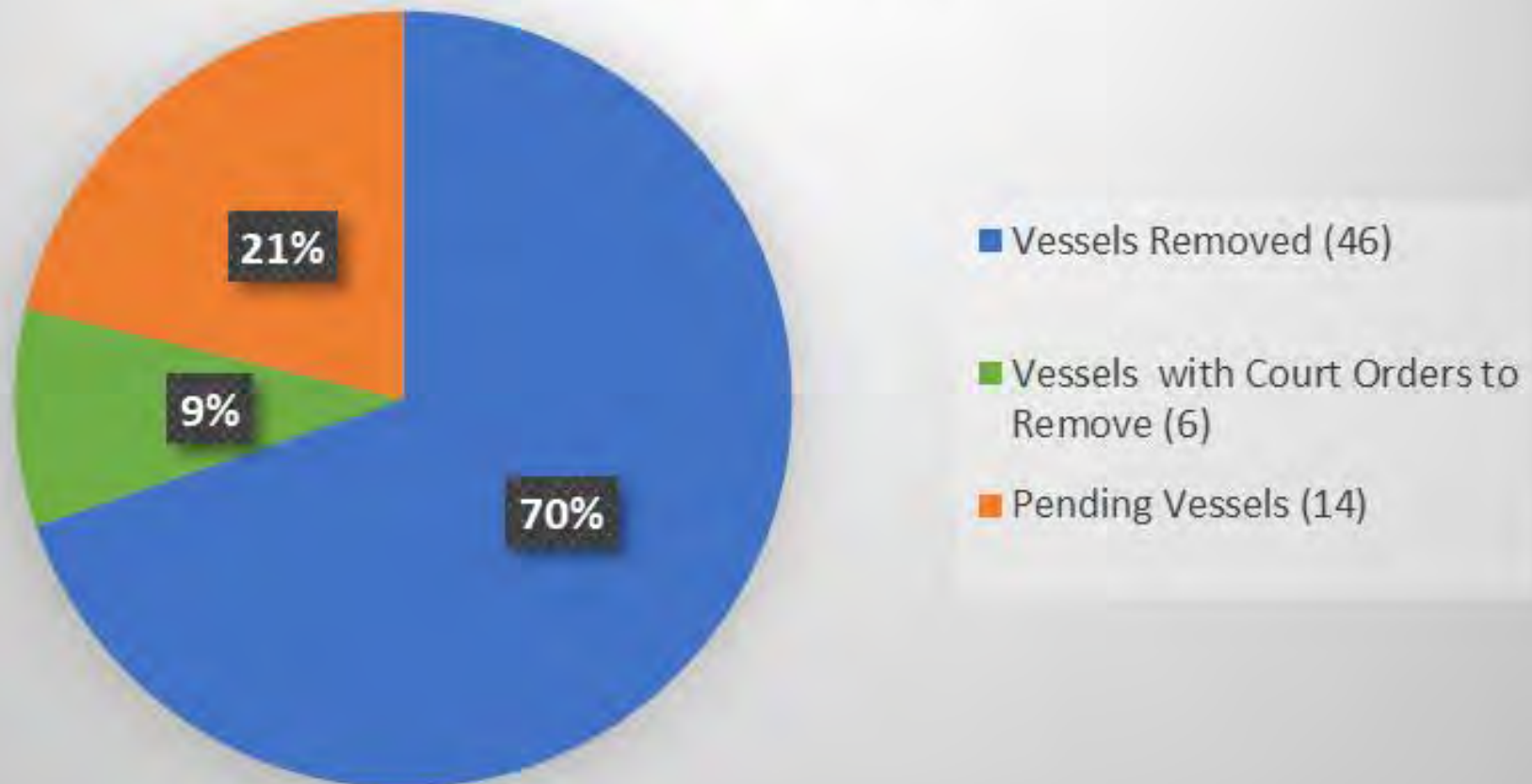
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Derelict Vessel Update

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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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

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To report a Derelict Vessel

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

Call: (228)374-5000

Email: 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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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.**

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 Department of Marine Resources

Coastal Resources Management
November 2022

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

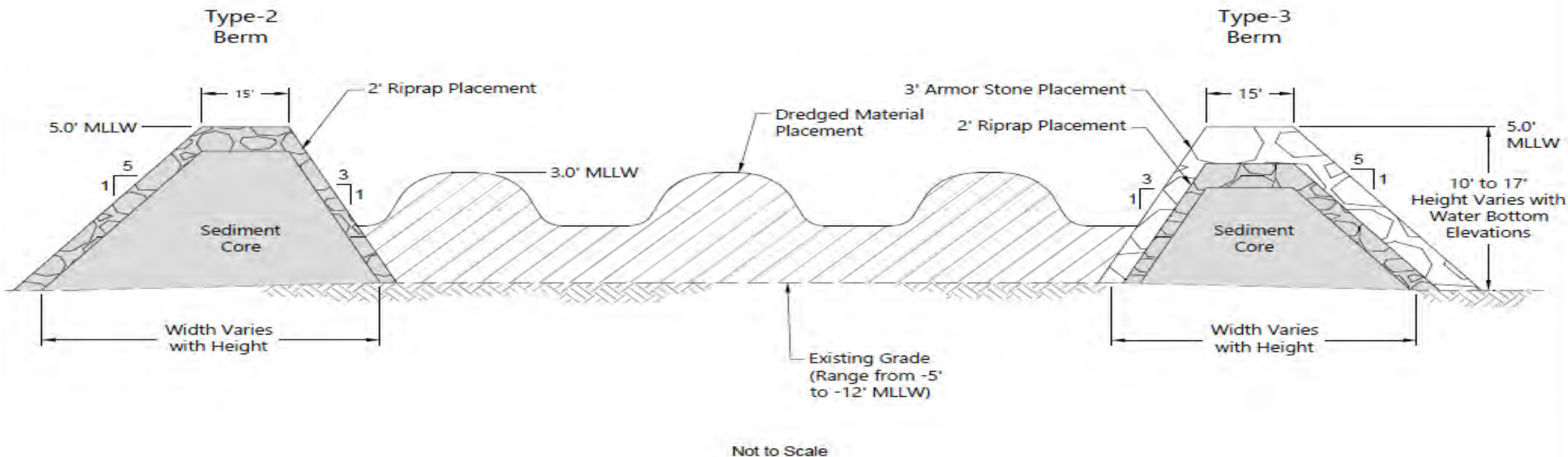
- **Location: The Mississippi Sound**
7 miles south of Pass Christian
5.5 miles west of Cat Island
- **Use District: (G) General Use District**
- **Agent: Anchor QEA**

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**





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

Department of Marine Resources

Agency Financial Results
as of October 31, 2022

Key Metrics:

- State Revenue of \$3.9M
- Agency Revenue of \$15.5M
- State Net Income of \$1.8M
- Agency Net Income of 7.2M

MISSISSIPPI DEPARTMENT OF MARINE RESOURCES					
Income Statement - Fiscal Year 2023					
As of October 31, 2022					
	Federal :				
	GOMESA				
	PHII:				
	NFWF:		Operating		
	State	Non-Federal:	Subtotal	Tidelands	Total DMR
Revenue:					
Off-road Fuel Tax	3,050,000	-	3,050,000	-	3,050,000
Federal/NonFederal Grants	114,011	816,285	930,296	-	930,296
Sales Revenue	405,409	-	405,409	-	405,409
Indirect Cost Recovery	189,743	-	189,743	-	189,743
Other Revenue	177,035	355,352	532,387	10,399,273	10,931,659
Current Budget Year Revenue:	3,936,198	1,171,637	5,107,835	10,399,273	15,507,107
Expenditures:					
Salaries, Wages, Fringe	1,809,241	1,066,801	2,876,042	321,839	3,197,881
Travel	12,932	16,530	29,462	4,071	33,533
Contractual Services	146,275	433,647	579,922	114,818	694,740
Commodities	80,990	55,050	136,040	24,746	160,786
Other than Equipment	10,072	-	10,072	15,109	25,181
Equipment	5,376	28,761	34,137	1,266	35,403
Vehicles	38,892	69,619	108,511	50,959	159,470
Subsidies, Loans, and Grants	1,786	3,437,070	3,438,856	556,529	3,995,385
Current Budget Year Expenditures:	2,105,564	5,107,479	7,213,043	1,089,336	8,302,379
Current Budget Year Net Income/(Loss):	\$ 1,830,634	\$ (3,935,842)	\$ (2,105,209)	\$ 9,309,937	\$ 7,204,728

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>		
	Operating	Tidelands	Total	Operating	Tidelands	Total	Operating	Tidelands	Total
Expenditures:									
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%
Total Expenditures:	\$ 7,213,043	\$ 1,089,336	\$ 8,302,379	\$ 123,718,008	\$ 12,455,247	\$ 136,173,255	94.2%	91.3%	93.9%

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



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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

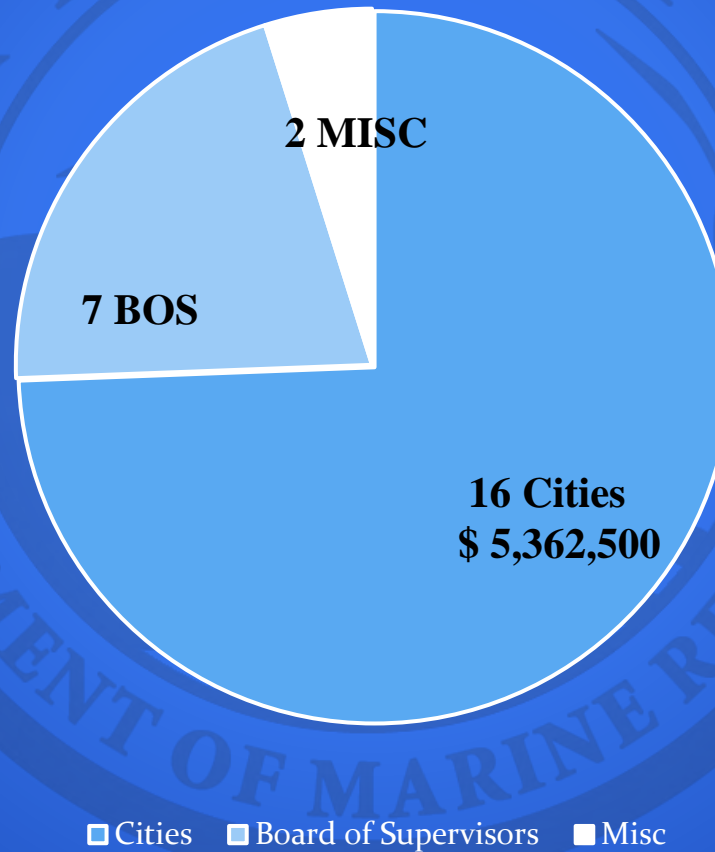
7 Miscellaneous

\$1,460,072.00

Appropriated for FY2023: \$12,455,247

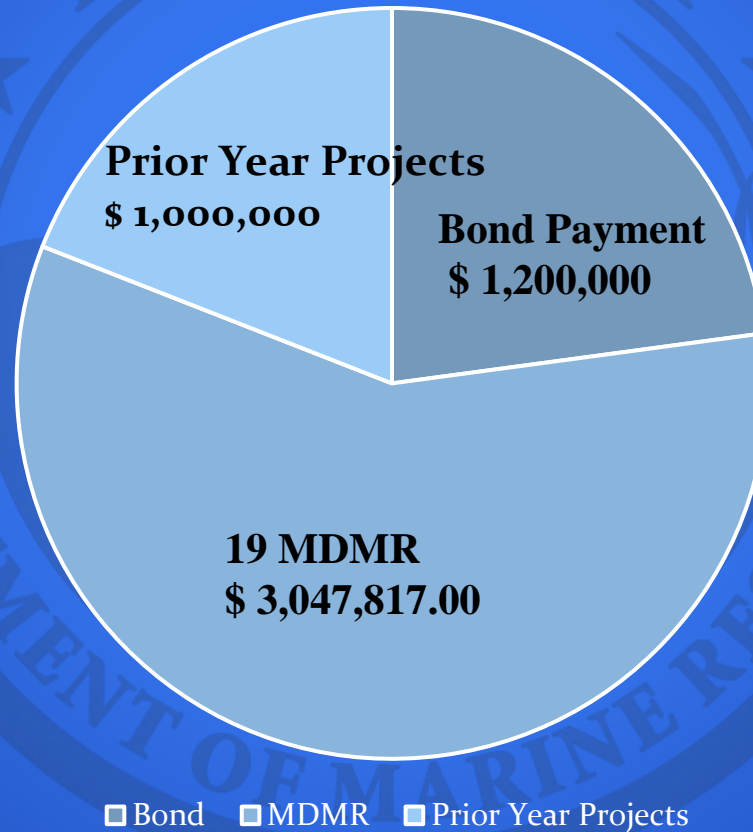
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Public Access Awards FY2023



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

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

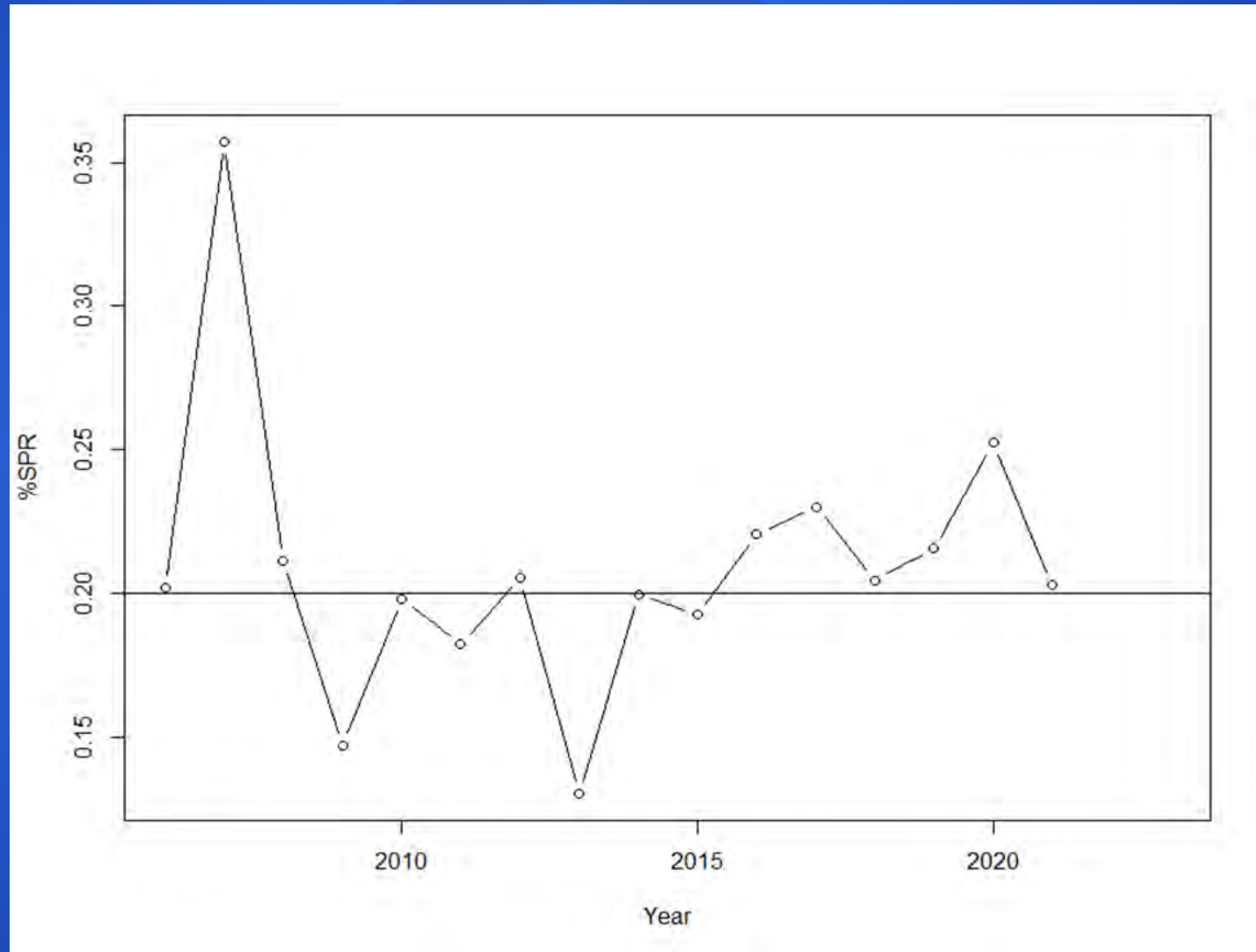
Background

- 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

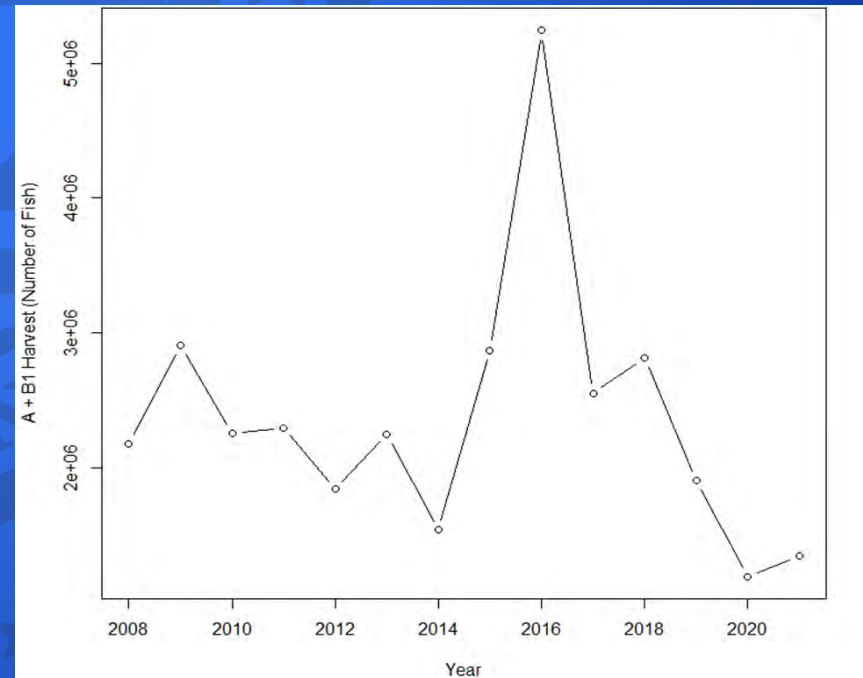
%SPR



Time series of %SPR for the Mississippi SST stock

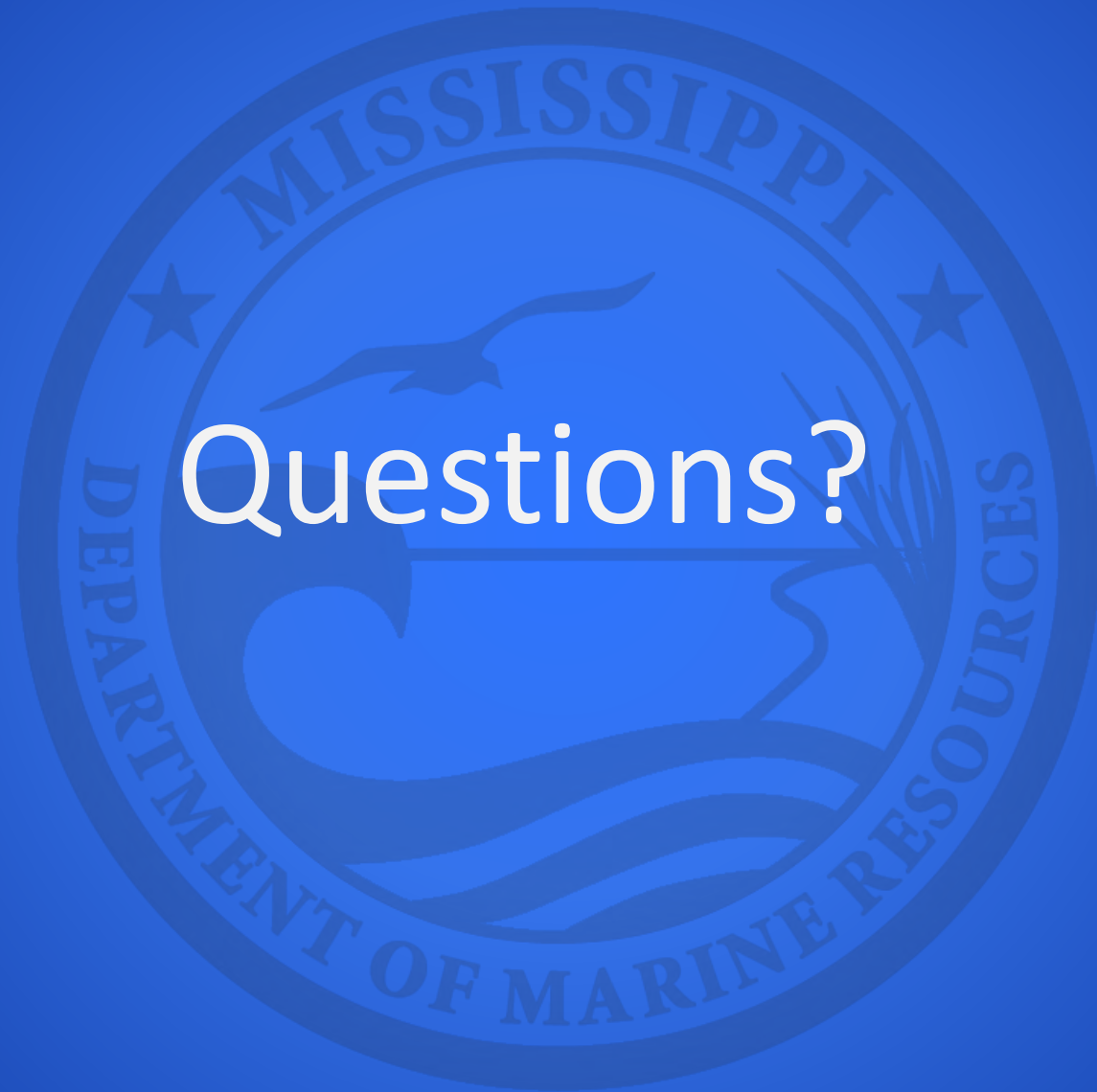
%SPR Discussion

- 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 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, separated by two stars. The central image of the seal depicts a bird in flight over stylized waves.

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 a circular emblem. It features a central illustration of a bird in flight over wavy lines representing water. The word "MISSISSIPPI" is arched across the top, and "DEPARTMENT OF MARINE RESOURCES" is arched across the bottom. Two stars are positioned on the left and right sides of the seal.

Motion to Recommend Adoption of New State Record

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