Commission on Marine Resources

May 21, 2019
Employment, Contracts and Procurement Updates
May 21, 2019
Employment Updates

- 05.01.19 – Tiffany Weidner – Marine Fisheries Scientist IV, Shrimp & Crab
- 05.06.19 – Katherine Glover – Marine Fisheries Tech IV, Shellfish
- 05.13.19 - Austin Burmaster – Finfish Contractor
# Contracts and Procurements for May 2019

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<td>J&amp;W Marine Enterprises, Inc</td>
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<td>Furnish and Deploy limestone for the Shellfish Bureau</td>
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<td>100% Bond</td>
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The Commission passed a motion at the March 19, 2019 meeting, requesting the Executive Director to review all regulations containing language describing HACCP and sanitation responsibilities and come back to the CMR in April with a Notice of Intent that makes a clear distinction between the HACCP and sanitation roles of the Seafood Technology Bureau and roles of law enforcement in seafood processing plants.
Regulations

• The regulations referenced prior to the motion were Title 22 Part 17 which applies to molluscan shellfish (oysters, clams, mussels, or scallops) including processing, and Title 22 Part 21 that applies to saltwater crabs processing.

• There are no regulations that apply specifically to shrimp processing.

• However, to fully analyze the different roles, there are additional federal and state statutes and regulations that must be included in the review.
Background Information

• MCA §49-15-15 gives the CMR the authority to regulate all seafood sanitation and processing programs and to enter into a MOU with the Health Dept and the Dept of Agriculture to implement the seafood sanitation program.

• §49-15-28 provides for a combined Dealer/Processor license which entitles that licensee to operate as a wholesale dealer, retail dealer and processor.

• There are dealers that are not also processors. However, all processors are dealers.
As of **Friday, March 15, 2019** the following are in operation throughout the State of Mississippi:

- 14 Crab Processors
- 3 Inactive Crab Processors
- 2 Crab Shippers
- 1 Intrastate Oyster Reshipper
- 1 Intrastate Oyster Shellstock Shipper
- 5 Oyster Reshipper
- 14 Oyster Shellstock Shipper
- 5 Oyster Shucker – Packer
- 3 Oyster Post Harvest Processors
- 11 Shrimp Processors
- 3 Shrimp Shipper/Dock Facility
- 1 Inactive Shrimp Shipper/Dock Facility
- 63 Total Dealer/Processor Licenses (4 are Inactive Licenses)
Oyster Dealers/Processors Inspections (MDMR responsibilities)

HACCP

- HACCP Plan
  - Receiving Records
    - Invoices/Shipping Documents
      - Tags
  - Cooler Records
    - Temp of Unit
  - Thermometer Calibration Records
    - Ensure thermometers work properly

HACCP Records

Sanitation

- General inspection of facility
  - 8 Key Sanitation Items & Other Model Ordinance Requirements
    - 1. Safety of Water
    - 2. Condition of Cleanliness of Food Contact Surfaces
    - 3. Prevention of Cross-Contamination
    - 4. Maintenance of Handwashing, Hand Sanitizing and Toilet Facilities
    - 5. Protection from Adulterants
    - 6. Proper Labeling, Storage, and Use of Toxic Compounds
      - 7. Employee Health
      - 8. Exclusion of Pests
- Daily Sanitation Records
Crab Inspections (responsibilities)

Crab Processing Facilities

MDMR

Sanitation (see attached form)
General inspection of facility

FDA/Health Dept.

HACCP Plan & records
Labeling of Product
Shrimp Inspections (responsibilities)

- Shrimp Processing Facilities
  - MDMR
    - Sanitation (see attached form)
      - General inspection of facility
  - FDA/Health Dept.
    - HACCP Plan & records
      - Labeling of Product
Seafood Technology Role in Processing Plants

- The MDMR has two (2) employees in the Seafood Technology Bureau (STB) that are certified inspectors. Qualifications for an employee to be a certified inspector are outlined in the NSSP Guide: 2017 Revision, pages 355-361.

- The inspections are conducted in accordance with the NSSP Model Ordinance STANDARDIZATION FIELD GUIDE, January 2019 published by the Food and Drug Administration. The 76-page Guide includes a list of 27 inspection categories with various elements under each category. For example, under Item #8 Safety of Water For Processing and Production, the inspectors are required to check the source of the water supply, the plumbing, cross contamination between potable and non-potable water supplies.
When the Inspectors discover CRITICAL violations, if the violation cannot be immediately corrected, inspectors call Marine Patrol (MP) for potential seizure of product and to write any necessary violations. The specific citations issued are determined by MP.

Seizure and disposal of shellfish for sanitation violations shall be carried out by a Marine Patrol Officer as directed by the Commission, or as authorized by the DMR Executive Director, MF Director, Seafood Technology Bureau Director or Certified Seafood Officer in charge of shellfish handling and processing. (Title 22, Part 17, Chap 10, Para 103)

For other than critical violations, the inspectors establish a timeline where those violations must be corrected.
• Shuckers/Packers = quarterly inspections are required.
• Shippers = bi-annual inspections are required.

• STB Inspectors have the authority to do unannounced inspections, but they typically will do a courtesy call prior to going.

• FDA conducts an evaluation/inspection of randomly selected facilities once a year. FDA has contracted with the Mississippi Department of Health to conduct inspections.

• Ways the ST staff have of discovering potential problems:
  • Routine Inspections
  • Self Reporting
  • Other Processors Reporting
  • Public Reporting
  • Marine Patrol Reporting
  • Someone gets sick
Seafood Technology may initiate administrative suspension and/or revocation of certification and license. The CMR shall suspend/revoke when there is reason to believe that a public health hazard exists or whenever the holder has violated any of the requirements of this regulation or whenever the holder has interfered with a DMR representative performing their duties. (Title 22, Part 17, Chap 9, Para 103)

MDMR and MS Dept of Health (MSDH) MOU provides for the sharing of information between agencies and does not limit or otherwise restrict the authority of the MDMR’s Office of Marine Patrol to enforce the molluscan shellfish regulations.
Regulatory Authorities

- STB does not regulate finfish or shrimp products.

- STB does not check receipts or coolers for certain seafood products.
  - STB **does** have the authority to ask for receipts for oyster and crab products but **not** for finfish and shrimp products.
  - STB **does not** have the authority to inspect products from foreign countries or to inspect for recreationally caught products.
Marine Patrol Role in Processing Plants

- §49-15-21 provides that MDMR enforcement officers shall diligently enforce **all laws and regulations** for the protection, propagation, preservation or conservation of all saltwater aquatic life of the State of Mississippi, and they are hereby constituted peace officers of the State of Mississippi, with **full police power and jurisdiction to enforce all laws of the State of Mississippi and all regulations adopted and promulgated by the commission**. Enforcement officers may exercise such powers **in any county of the State of Mississippi** and on any waters of the state, and **shall investigate all persons, corporations and otherwise who are alleged to have violated any laws**, and make affidavits, arrests...
§49-15-21 (cont’d)

- The application for **any license or permit** from the commission to catch, fish, take, transport or **handle or process** any form of aquatic life, or the taking, catching, transporting or handling or processing of any and all aquatic life in this state **shall constitute acquiescence and agreement** upon the part of the owners, captains and crews, **employers and dealers** to the provisions of this chapter and the agreement that **enforcement officers may exercise the authority granted under the provisions hereof.**
§97-23-3 Deceptive Advertising

- Any person who, with intent to sell merchandise to the public makes, publishes, disseminates, circulates or places before the public in the form of a notice, handbill, poster, bill, circular, pamphlet or letter, or by a label affixed to the merchandise or its container, or advertisement that contains a false representation, is deceptive or misleading shall be punished by a fine of not more than $500 and may be held civilly responsible for damages resulting from a violation of this section.
§49-15-303(b)

- The CMR has the authority to enter into and authorize the Executive Director to execute contracts, grants and cooperative agreements with any public or private institution, federal or state agency or any subdivision thereof to carry out the duties of the commission.

- The MDMR has entered into a Joint Enforcement Agreement (JEA) since the JEA’s national inception in 2001.
- The emphasis in the JEA’s directives have changed over time.
Historical Information

- 2009 GAO report – FDA told GAO that it focuses on food safety and undertakes few fraud-related activities. FDA examines only about 2% of imported seafood annually, and its primary seafood oversight program does not address economic fraud risks, which limits its ability to detect fraud.

- 2011 GAO report – FDA needs to improve oversight of imported seafood and better leverage resources.

- 2013 Safety and Fraud Enforcement for Seafood Act (SAFE) introduced but failed to be enacted – Southern Shrimp Alliance supported this Act.

- 2014 - Presidential Task Force on Combatting Illegal, Unreported, and Unregulated (IUU) Fishing and Seafood Fraud
• 2015 National Ocean Council Committee was established to oversee implementation of the IUU Fishing and Seafood Fraud and the implementation of the Task Force Action Plan which identified 15 Recommendations outlining aggressive steps required by federal agencies.

• NOAA and Department of State were named as co-chairs of this Committee.

• Has led to a national emphasis on relabeling of seafood and product substitution, requiring greater cooperation between FDA and NOAA and between federal agencies and state agencies.
• DOC/NOAA is authorized to enforce provisions of the Magnuson Stevens Act, the Endangered Species Act, the Marine Mammal Protection Act, and the Port State Measures Agreement Act, and, under 16 USC 1861, to utilize the personnel, services, equipment and facilities of State agencies.

• DOC/NOAA has authority to prevent illegal trafficking of fish taken and/or possessed in violation of State or Federal laws under the Lacy Act.

• 5 CFR 600.725 provides that it is unlawful for any person to interfere with any authorized officer in the conduct of any search, inspection or seizure in connection with enforcement of MSA or any other statute administered by NOAA.
JEA AGREEMENTS

• All Marine Patrol Officers are deputized by the Commerce Dept/NMFS to perform duties under the JEA Agreement.
NOAA publication states that the JEAs serve as a force multiplier for NOAA/OLE and strengthens the ability to effectively respond to numerous enforcement responsibilities.

- 2016 – Division Enforcement Plan (DEP) identified 5 General Priorities and 1 Execution Priority for TED Compliance.
- 2017 – DEP identified 2 General Priorities and 3 Execution Priorities – this is the first year that the JEA identified IUU duties as a priority and it was elevated to an Execution Priority.
- 2018 – DEP identified 2 General Priorities and 4 Execution Priorities including the IUU duties.
2018 Division Enforcement Plan

- Execution Priority 4: Lacey Act/International
- Sub-Category: IUU Fishing/Seafood Fraud
- National Priority: Sustainable Fisheries – investigate IUU fishing violations and seafood fraud violations
- Division Priority: Sustainable fisheries – illegal imports or undeclared products entering ports of entry, false labeling, mislabeling and misbranding of seafood product having a significant impact on state, national or international commerce and seafood safety violations where public health and safety is at risk.

- The Agency may document JEA IUU hours when during the course of normal AGENCY inspections at commercial markets, wholesale dealers, processors, and all other cold storage facilities, officers find imported fisheries products with indications of IUU or Lacey Act and seafood fraud violations.

- The Agency will report the number of inspections conducted and the outcome to OLE and forward violations for investigation.

- The Agency will refer all IUU and seafood fraud investigations of the Lacey Act and violations of international laws to NOAA OLE for disposition and prosecution.
Why is Mislbeling Important?

- Seafood fraud can threaten human health. Species substitution may lead to the consumption of a product that is riddled with contaminants, toxins or allergens that can make people sick, including anaphylactic shock which can be fatal.

- In a 2013 article the Southern Shrimp Alliance noted that a 2009 GAO report concluded that the federal government was not adequately addressing seafood fraud, especially with respect to 91% of seafood that the US imports. The lack of oversight can harm the health and finances of consumers, and negatively impact the profitability of US fishermen who play by the rules.
Marine Patrol Duties

• MP does not check for sanitation issues but will report anything that may seem to be a sanitation issue to Seafood Technology.

• There have been no tickets issued to processors for HACCP violations that have not been specifically referred to them by Seafood Technology.

• MP routinely checks licenses, coolers for different species of seafood/fish, and receipts/invoices to match with product on hand and submitted reports.
Cases Regarding Mislabling
Investigated by NOAA & State Agencies

• Alpin Brother Inc. – Feb 2015, owner of seafood processing facility pled guilty to felony count of making or submitting false records in violation of the Lacey Act. Falsely labeled 25,000 lbs of farm-raised imported shrimp as wild-caught product of the US.

• $100,000 fine, 3 yrs probation, training program to educate staff regarding federal country of origin labeling (COOL) regulations.

• This case was investigated by NOAA with assistance from the Louisiana Dept of Wildlife and Fisheries.
Garcia Shrimp Co. – Sept 2015 sentenced for Lacey Act violation – 35,000 lbs of Mexican shrimp labeled as Product of USA.

$150,000 fine, 3 yrs probation with conditions that subjected the company to increased labeling, recordkeeping and audit requirements.

This case was investigated by NOAA with assistance from the Louisiana Dept of Wildlife and Fisheries.
In Summary

- STB has a distinct role regarding sanitation.
- MP has a distinct role regarding enforcement.
- There are no regulations that would prohibit MP from being in the seafood processing plants and the sanitation MOUs specifically state that law enforcement’s role is not limited or restricted by the agreement.
- State statutes grant MP the authority to enforce seafood laws and regulations and mandates the acquiescence of license holders.
- Federal statutes and the NOAA JEA grant MP the authority to enforce federal seafood laws and regulations.
Other Gulf States

• The other Gulf States have the same structure – the agency regulatory staff and FDA have responsibility for sanitation and HACCP;

• and law enforcement have responsibility under state and federal law to check such things as licensing and receipts to verify species on hand (i.e., legal species and legally or illegally caught or obtained species).
Trust But Verify

Russian Proverb often quoted by President Ronald Reagan
Trip Ticket Program

May 21, 2019 CMR Meeting
In March the CMR made a motion requesting legal staff to research the Trip Ticket programs of other states and the federal government and present the findings to the Commission.

In March the CMR also made a motion requesting legal staff to review Title 22 Part 9 to determine if there’s a variance between the regulations and how it’s enforced.
Gulf States Trip Ticket Programs

- Louisiana – all information obtained shall be used for the equitable and efficient administration and enforcement of the laws pertaining to the fisheries resources of the state and for conservation and management purposes. LSA–R.S. 56:301.4

- Texas – V.T.C.A. 66.109 mandated the department to establish the statistical gathering program. Texas Game Wardens are authorized to examine statistical reports and have access to real-time data on their phones.

- Alabama – All records required by this regulation shall be maintained and available for inspection immediately upon the request of a conservation enforcement officer or other authorized agent. Alabama Admin Code 220-3-35(2)(f)
Florida – 68E-5.002 requires that all marine life sold, exchanged, bartered, distributed or landed be reported.

68E-5.005 The Commission may revoke, suspend or deny the renewal of a license of any wholesale or retail dealer for failure to make required reports, for failure or refusal to permit the examination of required records, or for falsifying any such record pursuant to FS 379.362 governing the licensure of wholesale and retail saltwater products dealers.

Wildlife Conservation Commission law enforcement is not allowed to use the trip tickets to make a case, but officers are allowed to request trip ticket data for review or to verify observations in the field either prior to or during an investigation of individual fishing activities. FWC officers frequently request copies of trip ticket data for an individual for these purposes. FWC law enforcement is also notified in cases of significant delinquency or non-reporting by seafood dealers with regards to commercial trip tickets.

Because FWC has an MOU with NOAA, federal enforcement officers may also be provided confidential trip ticket data upon request.
Mississippi - Title 22 Part 9 (100) MDMR enforcement personnel are authorized to inspect any and all seafood purchase and/or sales receipts from firms or individuals, whether or not licensed by the MDMR to ensure reporting requirements listed in this Part. MDMR enforcement officers may not reveal confidential information except as it applies in violations of the reporting requirements in this Part.
Federal Trip Ticket Program

- Federal – 16 USC 1826.

- The Secretary, subject to the data confidentiality provisions of the MSA, may disclose information, as necessary and appropriate, to any other federal or state government agency as long as the agency has procedures to protect such information from unintended unauthorized disclosure and when such disclosure is necessary to ensure compliance with any law or regulation enforced by the Secretary, to assist in any investigative, judicial or administrative enforcement proceedings.
• NOAA Fisheries – Dealers not submitting complete and accurate electronic reports within the required timeframe will be considered out of compliance and may be referred to the NOAA OLE for further action.

• Numerous examples of Trip Ticket data being used for enforcement purposes over the years.
Golden Eye Seafood

- 2009 – Robert Lumpkins (MD) and 15 others charged with illegally harvesting and underreporting striped bass.
- Admitted to failing to record and falsely recording the amount of striped bass that fishermen harvested.
- 18 months in prison with 3 yrs probation for his company and $36,000 fine and $164,040.50 restitution.
Craddock – Lady Samaira

- 2018 - James Craddock and 11 others pled guilty to federal charges for violating the Lacey Act (illegal harvest and sale in 2010 of Atlantic Striped Bass) and charged with filing false reports in connection with the illegally harvested fish.
- NOAA conducted an analysis of electronic data and written reports from those vessels (confirmed with NOAA OLE that Trip Tickets were reviewed).
- During the investigation Craddock made false statements to NOAA concealing the true location of the harvest in his federal vessel trip reports.
• 32 co-conspirators but only 12 were charged and sentenced.
• Illegally harvested 31,206 lbs in 2009 and 102,296 lbs in 2010 with a retail value of $1.1 million.
• The annual trawl quota for NC is 160,160 lbs which means the illegal harvesting of this species reduced the quota available to be caught by honest fishermen.
• 4 vessels were forfeited and other assets of $124,000.
• $1.23 million restitution with the most egregious conspirator paying $653,795.
• Probation from fisheries activities for a total of 38.5 years.
• 850 hours of community service for 12 of the violators and 3 sentenced to 6 months of home confinement.
Jessie Lambas

- 2010 – Jessie Lambas (LA) arrested for **falsifying trip ticket information** in order to file a BP claim.

- “LDWF routinely reviews trip tickets from the commercial industry to ensure the most accurate data is collected. Inaccurate or embellished trip tickets will be investigated by the department’s Law Enforcement Division.”
Harper Seafood

• Dec. 2011 – Harper’s Seafood Inc. pled guilty to conspiracy to purchase fish they knew had taken and sold in violation of FL laws and regulations and to making and submitting false FL Marine Fisheries Trip Tickets.

• Harper - $50,000 fine, 3 yrs probation.
• Co-defendant Puckett - $25,000 fine, 3 yrs probation.
• Co-defendants Burdette & Logue each fined $5,000, 3 yrs probation.
• Investigated by NOAA and LA Dept of Wildlife & Fisheries.
Cowart Seafood

- July 2017 - Cowart Seafood, Inc – selling fish to LA seafood buyers that was taken in violation of MS law (purchased fish from unlicensed commercial fishermen); **failing to report seafood purchases on Trip Tickets** to MDMR and buying fish from recreational fishermen.
- 25 months in federal prison for conspiracy to violate the Lacey Act and illegal possession of a short-barreled shotgun.
- Investigated by NOAA and MDMR.
Orient Seafood Product of Fife, WA

- 2018 – Owner admitted to conspiring with others to underreport the amount of sea cucumbers they purchased by approximately 250,000 lbs with a profit of approximately $1.5 million.
- Admitted to falsifying fish tickets, failed to prepare tickets, failed to retain tickets submitted by others, and paid cash so there would be no financial record of the total amount taken.
- Court ordered to pay the same amount as his profits in restitution.
In Summary

- Trip Ticket data can and has been used for enforcement purposes by all Gulf States and the United States Government.
Off-Bottom Oyster Aquaculture Training Program

Jason Rider
Oyster Extension Agent
Program Overview

- The Off-Bottom Oyster Aquaculture Program is a RESTORE-Act Project that aims to teach potential and current commercial oyster farmers all aspects of off-bottom oyster farming.

- Upon completion, participants will be positioned to operate and maintain an off-bottom oyster farm.

- This program was approved for 2 years and began training individuals in 2018.
• Phase 1
  • Phase 1 covers classroom training related to the essentials of operating an off-bottom oyster aquaculture farm.
    • During this phase participants will attend classroom training sessions, receive grow out gear, space in the training area and seed oysters to grow to market size. This allows the participants the opportunity to learn the scope of work required to become an off-bottom farmer.

• Phase 2
  • Focuses on the profitability and sustainability of new off-bottom oyster farmers by providing technical guidance and assistance with a business plan.
MDMR Commercial Aquaculture Park
20 participants began in June 2018 with 20

Class participants attended classroom training and selected an oyster growing gear from the knowledge gained.

Participants received 10,000 oyster seed and “run” of training gear to manage until June 2019

Participants maintained their assigned gear and oyster seed
  • Installation of gear
  • Weekly gear management (fouling and overset)
  • Grading/splitting sock techniques
  • Tumbling
  • Site maintenance
  • Instructors and participants will periodically evaluate oyster survival, growth and quality

After successful completion of the Oyster Farming Fundamentals class and Field Training eligible participants began subleasing acreage within the Deer Island Commercial Aquaculture Park
2018/2019 Results

- Seed oysters (r6) were deployed on August 11, 2018
- Off-Bottom Training Participants are responsible for approximately 160,000 oysters
- 13 participants completed all required tasks and were eligible for acreage
- 13 participants have leased 25 acres in the MDMR Commercial Aquaculture Park and started private farms
- 13 participants have started businesses because of the Off-Bottom Training program
- First harvest was on April 9, 2018
- Average size of oysters are currently between 2 ¾” and 3 1/2”
- Oysters are currently being sold at local restaurants and wholesale stores
Next Steps

- First year participants are transitioning to private leases and beginning Phase 2 (Business Incubation)

- MDMR began training the second Off-Bottom Oyster Aquaculture class on March 16, 2019
  - 25 Participants are currently enrolled
  - Classroom training is complete
  - Field training begins in mid July

- MDMR has submitted a 132 acre expansion permit to allow for additional private leases
Currently it is easier to permit a bulkhead than to permit an ABD/living shoreline
The Solution

Waiver for ABDs/Living Shorelines

Approval of variance to Ch. 8, Sect. 2, Part III.O.1 of the MCP and Miss. Admin. Code Title 22, Part 23, Chapter 8, Section 114.01

Goals:

• Streamline permitting for alternative bulkhead designs and living shorelines
  • Applicants - Quicker response to applications; lower cost
  • Permitters - Better use of time
  • CMR - Fewer minor beneficial projects presented
• Make permitting requirements equal for ABDs/LS and traditional bulkheads
The Solution
Cont.

Conditions:

- \( \leq 500 \) linear feet in length
- \( \leq 50 \) feet or \( \leq 25\% \) of the WOW from MHT
- Use native plants only and monitor for/remove invasive species
- Proper signage in accordance with USCG regulations
- Shoreline accretion will not result in a change in property boundaries
What is Required?

- Public Notice
- Notice to Coastal Program Agencies
- Notice to other commenting agencies
- Notice to City/County governments
Request for Permit by:
Mississippi Department of Marine Resources
File: DMR-190225

• Location: The mouth of the Wolf River and St. Louis Bay in Pass Christian, Harrison County, MS.

• Use District: (P) Preservation Use District

• Agent: Allen Engineering and Science and Mississippi Department of Environmental Quality

• Project Purpose/Need: To enhance and restore coastal marsh through the placement of suitable dredged material as provided for in MS Code §49-27-61.
Project Description

- **Fill:**
  - 26 acres with suitable dredged material (Site 1 = 10 acres and Site 2 = 16 acres)
    - 2,900 linear feet of sand berm
    - 1,600 linear feet of riprap berm

- **Variance from MCP to the Guidelines for Regulated Activities**
  - Ch. VIII, Sect. 2, Part III.O.1.
    - “Permanent filling of coastal wetlands because of potential adverse and cumulative environmental impacts is discouraged.”

- **Variance from Miss. Admin. Code Title 22 Part 23**
  - Ch. VIII, Sect. 114.01
    - “Permanent filling of coastal wetlands below the mean high tide line because of potential adverse and cumulative environmental impacts is not authorized.”

- Applicant is requesting a 10-year permit
Project Description

• Variance request MCP 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.”
  • Replace an area that is currently unvegetated, barren waterbottom with 26 acres of productive marsh

• Variance request Title 22 Part 23 justified under Ch. VIII, Sect. 118.01
  • The impacts on coastal wetlands would be no worse than if the requirements were followed.
  • The project will significantly contribute to addressing two of the priority funding outcomes of NFWF:
    1. Restore and maintain the ecological function of landscape-scale coastal habitats, and
    2. Restore and maintain the ecological integrity of priority coastal bays and estuaries.
Public and Agency Notification

- Notification of this project appeared in *The Sun Herald* on April 28, May 5, and May 12, 2019.
  - No public comments were received

- MS DEQ: Currently reviewing the project
- MS DAH: Requested a Cultural Resources Survey if any activity affects or contacts the most southern small marsh island that is immediately adjacent to the project area. However, the authorized agent has stated that all activities will take place in the water and no activities will occur on the small marsh island.
- MS DWFP: Recommends BMPs
- MS SOS: Rent exempt lease will be required
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 Chapter VIII, Section 2, Part I.E.2. of the Mississippi Coastal Program (MCP). These findings have been provided to the Commissioners. Based on the results of these findings, it has been determined that the project is consistent with the MCP because it:
  - Creates a new site for the disposal of dredged material in accordance with MS Code 49-27-61.
  - Creates approximately 26 acres of habitat that will become part of the Wolf River Coastal Preserve
  - Keeps an estimated 200,000 cubic yards of sediment in the littoral system
- Staff recommends approval of the variance requests and a 10-year Permit contingent on water quality certification from MDEQ
Request for Permit by:
Mississippi Department of Marine Resources
File: DMR-190224

- Location: Beardslee Lake in Moss Point, Jackson County, MS.
- Use District: (P) Preservation Use District
- Agent: Allen Engineering and Science and Mississippi Department of Environmental Quality
- Project Purpose/Need: To enhance and restore coastal marsh through the placement of suitable dredged material as provided for in MS Code §49-27-61.
Project Description

- Fill:
  - 18 acres with suitable dredged material
  - 1,200 linear feet of sand berm
  - 280 linear feet of riprap berm

- Variance from MCP to the Guidelines for Regulated Activities
  - Ch. VIII, Sect. 2, Part III.O.1.
    - “Permanent filling of coastal wetlands because of potential adverse and cumulative environmental impacts is discouraged.”

- Variance from Miss. Admin. Code Title 22 Part 23
  - Ch. VIII, Sect. 114.01
    - “Permanent filling of coastal wetlands below the mean high tide line because of potential adverse and cumulative environmental impacts is not authorized.”

- Applicant is requesting a 10-year permit
Project Description

- Variance request MCP 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.”
  - Replace an area that is currently unvegetated, barren water bottom with 18 acres of productive marsh

- Variance request Title 22 Part 23 justified under Ch. VIII, Sect. 118.01
  - The impacts on coastal wetlands would be no worse than if the requirements were followed.
  - The project will significantly contribute to addressing two of the priority funding outcomes of NFWF:
    1. Restore and maintain the ecological function of landscape-scale coastal habitats,
    2. Restore and maintain the ecological integrity of priority coastal bays and estuaries.
Public and Agency Notification

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• MS DEQ: Currently reviewing the project
• MS DAH: No objections
• MS DWFP: Recommends BMPs
• MS SOS: Rent exempt lease will be required
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 Chapter VIII, Section 2, Part I.E.2. of the Mississippi Coastal Program (MCP). These findings have been provided to the Commissioners. Based on the results of these findings, it has been determined that the project is consistent with the MCP because it:
  - Creates a new site for the disposal of dredged material in accordance with MS Code 49-27-61.
  - Creates approximately 18 acres of habitat that will become part of the Pascagoula/Escatawpa River Coastal Preserve
  - Keeps an estimated 200,000-250,000 cubic yards of sediment in the littoral system
- Staff recommends approval of the variance requests and a 10-year Permit contingent on water quality certification from MDEQ
Request for After-the-Fact Permit by:
CSX Transportation, Inc.
File: DMR-160278

• Location: Bayou Pierre in Gautier, Jackson County, MS.
• Use District: (G) General Use District
• Agent: Wood Environmental and Infrastructure Solutions, Inc.
• Project Purpose/Need: Replace a timber-pile supported bridge with a pre-cast concrete bridge to allow for the safe and efficient transport of:
  • Economic goods
  • Military equipment and supplies
  • Goods and equipment associated with the energy industry
Project Description

- Fill: 0.049-acre of Coastal Wetlands for work associated with a previously authorized railway bridge replacement project

- Mitigation Requirements:
  - 0.049-acre @ 3:1 ratio = 0.147-acre of mitigation
  - 2016 project: 0.24-acre excess created
Project Chronology

- May 3, 2016: DMR issued a Certificate of Waiver to replace and existing timber pile bridge with a pre-cast concrete bridge.

- April 3, 2018: DMR issued a Certificate of Waiver Modification to authorize approximately 0.029-acre of temporary tidal marsh impacts for installation of a work/crane pad with all fill to be removed following construction and the site allowed to vegetate to pre-project conditions within 1 year of project completion.

- October 1, 2018: Received notification from agent that unauthorized work associated with the project was performed by the applicant which included the filling of an additional 0.02-acre of tidal marsh.
October 2018-February 2019: Worked with agent and applicant on possible solutions to restore the area or possible mitigation for the unauthorized work.

February 15, 2019: Received application to retain the fill material associated with the bridge replacement project.
Photograph 3: view of recently backfilled LTP with crawler crane in-place; note additional steel crane mats required to distribute loading; facing east from north side of tracks; photograph taken August 30, 2018.

Photograph 4: view of recently backfilled LTP; note access route in background; facing west from north side of tracks; photograph taken August 30, 2018.
Project Description

continued

- Variances to the Guidelines for Regulated Activities
  - MCP Ch. VIII, Sect. 2, Part III.O.1.
    - “Permanent filling of coastal wetlands because of adverse and cumulative environmental impacts is discouraged.”
  - MCP Ch. VIII, Sect. 2, Part III.O.2.
    - “Areas containing submerged vegetation or regularly flooded emergent vegetation shall not be filled.”
  - MS Admin. Code Title 22, Part 23, Ch. 8, Sec. 114.01.
    - “Permanent filling of coastal wetlands below the MHT line because of adverse and cumulative environmental impacts is not authorized”
  - MS Admin. Code Title, 22, Part 23, Ch. 8, Sec. 114.03.
    - “Sensitive coastal wetlands shall not be filled.”
• Each variance request was justified under:
  • Ch. VIII, Sect. 2, Part I.E.2.c.iv of the MCP.
    • There is significant public benefit in the activity
    • A public hearing has been held
    • The activity requires a waterfront location
  • Title 22, Part 23, Ch. 8, Sec. 118.04 of the MS Admin. Code.
    • There is significant public benefit in the activity
    • A public hearing has been held
    • The activity requires a waterfront location
Public and Agency Notification

- Notification of this project appeared in *The Sun Herald* on March 17, 24, and 31, 2019.
  - No public comments were received
- A public hearing was held on Tuesday, April 9, 2019 at 5:30 p.m. at the Gautier Public Library located in Gautier, Mississippi.
  - No public comments were received
- MS DEQ: No comments
- MS DAH: No objections
- MS SOS: No comments
- MS DWFP: BMPs be properly implemented, monitored, and maintained.
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 Chapter VIII, Section 2, Part I.E.2. of the Mississippi Coastal Program (MCP). These findings have been provided to the Commissioners. Based on the results of these findings, it has been determined that the project serves a higher public purpose by aiding in the safe and efficient transport of goods for the nation’s economy, military, and energy industry. Therefore, staff recommends that the Commission approve the requested variances and issue the ATF Permit contingent on WQC from MDEQ.
Agency Financial Results

as of April 30, 2019

Commission on Marine Resources
May 21, 2019
Key Metrics:

- **State Revenue of $5M**
  - Waiting on Appropriations of $1M from Treasury

- **Agency Revenue of $21.6M**

- **State Net Income of ($1M)**

- **Agency Net Income of $2.4M**

---

**MISSISSIPPI DEPARTMENT OF MARINE RESOURCES**

**Income Statement - Fiscal Year 2019**

**As of April 30, 2019**

<table>
<thead>
<tr>
<th></th>
<th>Federal: NFWF</th>
<th>Operating Subtotal</th>
<th>Tidelands</th>
<th>Total DMR</th>
</tr>
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<tbody>
<tr>
<td><strong>Revenue:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
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<tr>
<td>Transfer in from Other Governments</td>
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<td>37,837</td>
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<td>-</td>
<td>3,050,000</td>
<td>3,050,000</td>
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<td>Federal/NonFederal Grants</td>
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<td>5,640,750</td>
<td>5,640,750</td>
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<td>1,026</td>
<td>731,745</td>
<td>733,789</td>
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<td></td>
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<td>735,149</td>
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<tr>
<td>Other Revenue</td>
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<td>519,402</td>
<td>1,098,201</td>
<td>1,443,444</td>
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<td><strong>Current Budget Year Revenue:</strong></td>
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<td><strong>6,195,814</strong></td>
<td><strong>11,293,681</strong></td>
<td><strong>21,640,969</strong></td>
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<tr>
<td><strong>Expenditures:</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Salaries, Wages, Fringe</td>
<td>4,443,984</td>
<td>1,927,344</td>
<td>6,371,328</td>
<td>863,464</td>
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<tr>
<td>Travel</td>
<td>29,691</td>
<td>40,928</td>
<td>70,619</td>
<td>31,426</td>
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<td>Contractual Services</td>
<td>648,002</td>
<td>1,196,486</td>
<td>1,844,489</td>
<td>606,548</td>
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<tr>
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<td>1,720,491</td>
<td>140,516</td>
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<td>Other than Equipment</td>
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<td></td>
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<tr>
<td>Equipment</td>
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<td>212,714</td>
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<td>-</td>
<td>101,000</td>
<td>101,000</td>
<td>-</td>
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<tr>
<td>Wireless Devices</td>
<td>351</td>
<td>433</td>
<td>785</td>
<td>274</td>
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<tr>
<td>Subsidies, Loans, and Grants</td>
<td>382,876</td>
<td>1,659,034</td>
<td>2,041,911</td>
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<tr>
<td><strong>Current Budget Year Expenditures:</strong></td>
<td><strong>6,129,084</strong></td>
<td><strong>6,587,053</strong></td>
<td><strong>12,716,137</strong></td>
<td><strong>19,145,178</strong></td>
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<tr>
<td><strong>Current Budget Year Net Income/(Loss):</strong></td>
<td><strong>$1,031,217</strong></td>
<td><strong>$391,239</strong></td>
<td><strong>$1,422,455</strong></td>
<td><strong>$3,918,247</strong></td>
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</tbody>
</table>
Financial Budget Comparison

- After ten months of Fiscal Year 2019:
  - Operating Funds have 71.1% of Budget remaining
  - Tidelands Trust Fund has 56.2% of Budget remaining

<table>
<thead>
<tr>
<th>Expenditures</th>
<th>Operating</th>
<th>Tidelands</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salaries, Wages, Fringe</td>
<td>$6,371,328</td>
<td>$863,464</td>
<td>$7,234,792</td>
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<tr>
<td>Travel</td>
<td>70,619</td>
<td>31,426</td>
<td>102,045</td>
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<td>Contractual Services</td>
<td>1,844,489</td>
<td>606,548</td>
<td>2,451,037</td>
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<tr>
<td>Commodities</td>
<td>1,720,991</td>
<td>140,516</td>
<td>1,861,507</td>
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<tr>
<td>Equipment</td>
<td>565,515</td>
<td>34,629</td>
<td>600,145</td>
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<tr>
<td>Vehicles</td>
<td>101,000</td>
<td>101,000</td>
<td>170,000</td>
</tr>
<tr>
<td>Wireless Devices</td>
<td>785</td>
<td>274</td>
<td>1,059</td>
</tr>
<tr>
<td>Subsidies, Loans, and Grants</td>
<td>2,041,911</td>
<td>4,752,183</td>
<td>6,794,094</td>
</tr>
<tr>
<td><strong>Total Expenditures</strong></td>
<td><strong>$12,716,137</strong></td>
<td><strong>$6,429,041</strong></td>
<td><strong>$19,145,178</strong></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Expenditures</th>
<th>Operating</th>
<th>Tidelands</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salaries, Wages, Fringe</td>
<td>$10,937,659</td>
<td>$1,012,526</td>
<td>$11,950,185</td>
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<tr>
<td>Travel</td>
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<td>360,487</td>
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<td>Contractual Services</td>
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<td>Commodities</td>
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<td>450,000</td>
<td>3,830,674</td>
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<td>Equipment</td>
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<td>225,000</td>
<td>1,584,408</td>
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<tr>
<td>Vehicles</td>
<td>170,000</td>
<td>170,000</td>
<td>170,000</td>
</tr>
<tr>
<td>Wireless Devices</td>
<td>6,250</td>
<td>500</td>
<td>6,750</td>
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<tr>
<td>Subsidies, Loans, and Grants</td>
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<td><strong>Total Expenditures</strong></td>
<td><strong>$44,032,561</strong></td>
<td><strong>$14,670,924</strong></td>
<td><strong>$58,703,485</strong></td>
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</table>

**Percent Remaining**

- Operating: 41.7%
- Tidelands: 14.7%
- Total: 39.5%
- Operating: 78.3%
- Tidelands: 10.2%
- Total: 71.7%
- Operating: 80.8%
- Tidelands: 62.6%
- Total: 87.2%
- Operating: 49.1%
- Tidelands: 68.8%
- Total: 51.4%
- Operating: 58.4%
- Tidelands: 84.6%
- Total: 62.1%
- Operating: 40.6%
- Tidelands: 0.0%
- Total: 0.0%
- Operating: 87.4%
- Tidelands: 0.0%
- Total: 84.3%
- Operating: 88.8%
- Tidelands: 58.0%
- Total: 77.0%
- Operating: 71.1%
- Tidelands: 56.2%
- Total: 67.4%
CMR Requested Information on Implementing Additional Fishing Records

Jon Barr
May 21, 2019
Background

• In the April 2019 CMR meeting, the following motion was made:
  • Motion: For staff come back at the May Commission meeting with information on implementing additional fishing records

• This presentation will provide potential options for the CMR’s consideration.
Current Official Mississippi State Record Categories

• Standard Record Categories
  • Saltwater conventional
  • Saltwater Fly Fishing

• Additional Record Categories (Adopted in 2018)
  • Youth (Under 16) Conventional
  • Youth (Under 16) Fly Fishing
Current Official Record Categories from other State Agencies

<table>
<thead>
<tr>
<th>State</th>
<th>Conventional Tackle</th>
<th>Fly Fishing</th>
<th>Other Methods</th>
</tr>
</thead>
<tbody>
<tr>
<td>FL</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>AL</td>
<td>Yes</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>MS</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>LA</td>
<td>Yes</td>
<td>Yes</td>
<td>No</td>
</tr>
<tr>
<td>TX</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes*</td>
</tr>
</tbody>
</table>

*Texas (TPWD) has a miscellaneous category called “Other Methods” which includes Electric reels, Spear gun, Handline, Gig, and Trotline for which they certify heaviest fish.
Options for Additional State Fishing Record Categories

- Status quo (Conventional Tackle and Fly Fishing)
- Conventional Tackle and All Tackle (All legal methods of take: would encompass Fly Fishing category)
- Conventional Tackle, Fly Fishing, and All Tackle (All legal methods of take)
- Other options as identified by the CMR
Questions?
2019 Mississippi Shrimp Season Update

Jason Saucier

May 21, 2019
Closed to all shrimping, inland and within 1 mile of the Gulf Islands National Seashore Shoreline

Open to commercial & recreational shrimping on a seasonal basis until April 30

Open to commercial & recreational shrimping on a seasonal basis until December 31

Open to live bait shrimping ONLY, within 1/2 mile of the shoreline

Open to commercial & recreational shrimping year round
MISSISSIPPI SHRIMP LANDINGS AND VALUE (ALL SPECIES COMBINED)
Mississippi Shrimp Season Opening Sampling

- **Post larval sampling (begins February)**
  - Standardized beam plankton trawl sampling at historical stations

- **April – June juvenile/adult sampling**
  - Standardized 16 foot trawl sampling at historical stations
  - Chart the growth of Brown Shrimp from juveniles to adults
  - Season opens when Brown Shrimp reach legal size of 68 count
Historic Opening Dates of Mississippi Shrimp Season
Biloxi Bay Water Temperature

Temperature (°F)

January February March April May June July August September October November December

68°F

2018 2019 5-Year Avg

* Through May 19, 2019
Biloxi Bay Salinity

Salinity (ppt)

* Through May 19, 2018

ENHANCE ★ PROTECT ★ CONSERVE
Localized Rainfall (Biloxi)

Rainfall (Inches)

- January: 4.00
- February: 8.00
- March: 6.00
- April: 8.00
- May: 14.00
- June: 12.00
- July: 10.00
- August: 14.00
- September: 10.00
- October: 6.00
- November: 8.00
- December: 12.00

*Through May 19, 2019

ENHANCE ★ PROTECT ★ CONSERVE
Shrimp Samples - May 20, 2019

Station 2 – Round Island

Station 5 – South of Deer Island
Shrimp Samples - May 20, 2019

Station 3 – Biloxi Bay

Station 4 – North of Horn Island
2019-2020 Mississippi Shrimp Season Opening

Required: Motion to give authority to the Executive Director to open the 2019 shrimp season when sampling shows Brown Shrimp have reached the average of 68 count per pound as required by state statute (§49-15-64.1).
Bonnet Carré Spillway Update

Joe Jewell

May 21, 2019
Louisiana
Mississippi
River Control
Structures
Analysis of Openings

Historical Context

- Became operational in 1931
- Been opened every decade except in 1960’s
- First time in history the structure has been opened two consecutive years (2018-19).
- First time in history the structure has been opened twice in one year (2019 February & May).
- First 2019 opening duration FEB 27 – April 11 (43 days)
- Second 2019 opening duration May – Pending
- 2008-present, open average of every 2.4 years
- Opened 3 of last 4 years
- 2011 Fisheries Failure declared
- 2016 & 2018 no major impacts to fisheries
- Duration and water temperatures major factors
- Initial monitoring analysis indicates impacts; however, data is still being processed.

### Historical Context

<table>
<thead>
<tr>
<th>No. of Openings</th>
<th>Year</th>
<th>Days</th>
<th>Bays Opened</th>
<th>Ideal Flow Capacity (Cu ft/s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>8</td>
<td>1937</td>
<td>48</td>
<td>85</td>
<td>203,571 cu ft/s</td>
</tr>
<tr>
<td>2</td>
<td>1945</td>
<td>57</td>
<td>35</td>
<td>250,000 cu ft/s</td>
</tr>
<tr>
<td>3</td>
<td>1950</td>
<td>38</td>
<td>35</td>
<td>250,000 cu ft/s</td>
</tr>
<tr>
<td>4</td>
<td>1973</td>
<td>75</td>
<td>35</td>
<td>250,000 cu ft/s</td>
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<td>3</td>
<td>1975</td>
<td>13</td>
<td>22</td>
<td>160,714 cu ft/s</td>
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<td>6</td>
<td>1979</td>
<td>45</td>
<td>35</td>
<td>250,000 cu ft/s</td>
</tr>
<tr>
<td>7</td>
<td>1983</td>
<td>35</td>
<td>35</td>
<td>250,000 cu ft/s</td>
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<td>8</td>
<td>1997</td>
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<td>212,857 cu ft/s</td>
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<tr>
<td>9</td>
<td>2000</td>
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<td>30</td>
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<td>2011</td>
<td>42</td>
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<td>11</td>
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<td>12</td>
<td>2018</td>
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<tr>
<td>13</td>
<td>2019</td>
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<tr>
<td>14</td>
<td>2019</td>
<td>12</td>
<td>84</td>
<td>86,000 cu ft/s</td>
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</table>

### Historical Context

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<th>Date</th>
<th>Bays Opened</th>
<th>Total Discharge</th>
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<td>1</td>
<td>10-May</td>
<td>60</td>
<td>60,79,000 cfs</td>
</tr>
<tr>
<td>2</td>
<td>11-May</td>
<td>10</td>
<td>70,83,000 cfs</td>
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<tr>
<td>3</td>
<td>12-May</td>
<td>0</td>
<td>70,86,000 cfs</td>
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<tr>
<td>4</td>
<td>13-May</td>
<td>58</td>
<td>128,116,000 cfs</td>
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<td>5</td>
<td>14-May</td>
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<tr>
<td>10</td>
<td>20-May</td>
<td>0</td>
<td>148,148,000 cfs</td>
</tr>
</tbody>
</table>

First Opening: FEB 27 – April 11, 2019
Second Opening: May 9, 2019 – Current
Bonnet Carré Spillway Gates and Flow Rate Update

Bonnet Carre Historic Openings - May 16, 2019

- 2008 (Apr-May)
- 2011 (May-Jun)
- 2015 (Jan)
- 2015 (Mar)
- 2018 (Mar)
- 2019 (Feb-Mar)
- 2019 (May)

CFS vs. DAYS graph
MDMR/USGS Gauge at St. Joe, MS

Second Opening

Salinity

Temperature
Flood stage of Pearl River

Closing criteria for ALL reefs

Closing criteria for inshore areas = 10 feet river stage
IIA, IIB, IID, IIE and IB

Above 17 ft flood stage is >50,000 cfs

Effects of Pearl River

Flow rate (kcfs)

Provisional Data Subject to Revision

Gage height

National Weather Service Floodstage, in feet
MDMR Bonne Carre Monitoring Stations
MDMR Shellfish Pre-liminary Sample Data

Note: As of May 13, 2019
MODIS Satellite Imagery

First Opening: FEB 27 – APR 11, 2019

March 6, 2019

March 20, 2019
QUESTIONS?