



ENHANCE ★ PROTECT ★ CONSERVE

Commission on Marine Resources

January 21, 2020



ENHANCE ★ PROTECT ★ CONSERVE

Employment, Contracts and Procurement Updates

January 21, 2020

D.1.

Employment Updates

- 01.06.2020 – Ana Osowski – Lyman Scientist III
- 01.09.2020 – Ellen Flaherty – Off-Bottom Aquaculture Technician
- 01.16.2020 – Sharmin Cullwell – Projects Officer IV
- 01.16.2020 – Joe Chambless – Administrative Assistant and Dispatcher

Contracts and Procurements for January 2020

Commodity Contracts					
<u>Vendor</u>	<u>Procurement Method</u>	<u>Amount</u>	<u>Term</u>	<u>Funding Source</u>	<u>Commodity/Service Description</u>
TBD	Reverse Auction	\$500,000.00	TBD	100% Bonnet Carre	Furnish & Deploy Approved Cultch
TBD	Reverse Auction	\$500,000.00	TBD	100% Bonnet Carre	Furnish & Deploy Oyster Shell
Crystal Seas Seafood, LLC	Exemption	\$399,960.00	2.17.2020-2.16.2021	100% Bonnet Carre	Purchase & Deploy Live Oysters
Service Contracts					
<u>Vendor</u>	<u>Procurement Method</u>	<u>Amount</u>	<u>Term</u>	<u>Funding Source</u>	<u>Commodity/Service Description</u>
Auburn University	IHL/Exempt	\$72,864.00	1.15.2020 – 12.31.2020	100% OBOA	Aquaculture Extension Services
USM	IHL/Exempt	\$49,000.00	1.1.2020 – 6.30.2020	100% Bonnet Carre	Work Order 1– Blue Crab CPUE
USM	IHL/Exempt	\$44,401.00	1.1.2020 – 6.30.2020	100% Bonnet Carre	Work Order 2– Blue Crab Megalopae

4-Year Overview		2016	2017	2018	2019	
Wetlands Permitting						
Extensions		3	5	5	5	
Reviews		106	108	118	97	
Coastal Zone Consistency Determinations		59	70	58	80	
Excluded Activities/Entities		131	127	113	88	
General Permits		333	350	411	428	
Permits		8	19	8	9	
Violations		71	52	36	20	
2% (15) presented to CMR		Total:	711	731	749	727
Standard		109	113	123	102	
More Complex		523	547	582	596	
Most Complex		79	71	44	29	

**Coastal Zone Consistency Determination by:
Hancock County Port and Harbor Commission
File: DMR-180249**

- **Location: On the Port Bienville Industrial Canal in Pearlinton, Hancock County, MS.**
- **Use District: (I) Industrial Use District**
- **Agent: Compton Engineering, P.A.**

Project Description

- **Wetland Impacts:**
 - Total 6.91 acre acres of wetlands
 - 2.21 acres of freshwater marsh
 - 0.14 acre of tidal marsh
 - 0.14 acre of submerged aquatic vegetation (SAV)
 - The applicant proposes to mitigate for impacts to emergent and forested wetlands by purchasing credits at an approved mitigation bank, and impacts to freshwater marsh and tidal wetlands through permittee-responsible mitigation.
- **Structures:**
 - 1,000 linear feet of riprap
 - A bulkhead 850' in length
 - A pier 144' x 30'
 - A pier 215' x 10'
 - 236 linear feet of wave attenuator

Project Description

- **Dredging and Excavation**
 - **Maintenance dredging within manmade canals**
 - 850' x 50-60'
 - Existing depth: 0' to 10' below MLW
 - Proposed depth: 12' below MLW
 - Approximately 84,683 cubic yards of material will be removed
 - The applicant has received a Letter of Exception to the BU Statute. Material will be placed on-site and used for daily maintenance purposes.
 - **Excavation of uplands and wetlands**
 - Approximately 21,030 cubic yards of material will be removed
 - Keyhole slip 290' x 370'

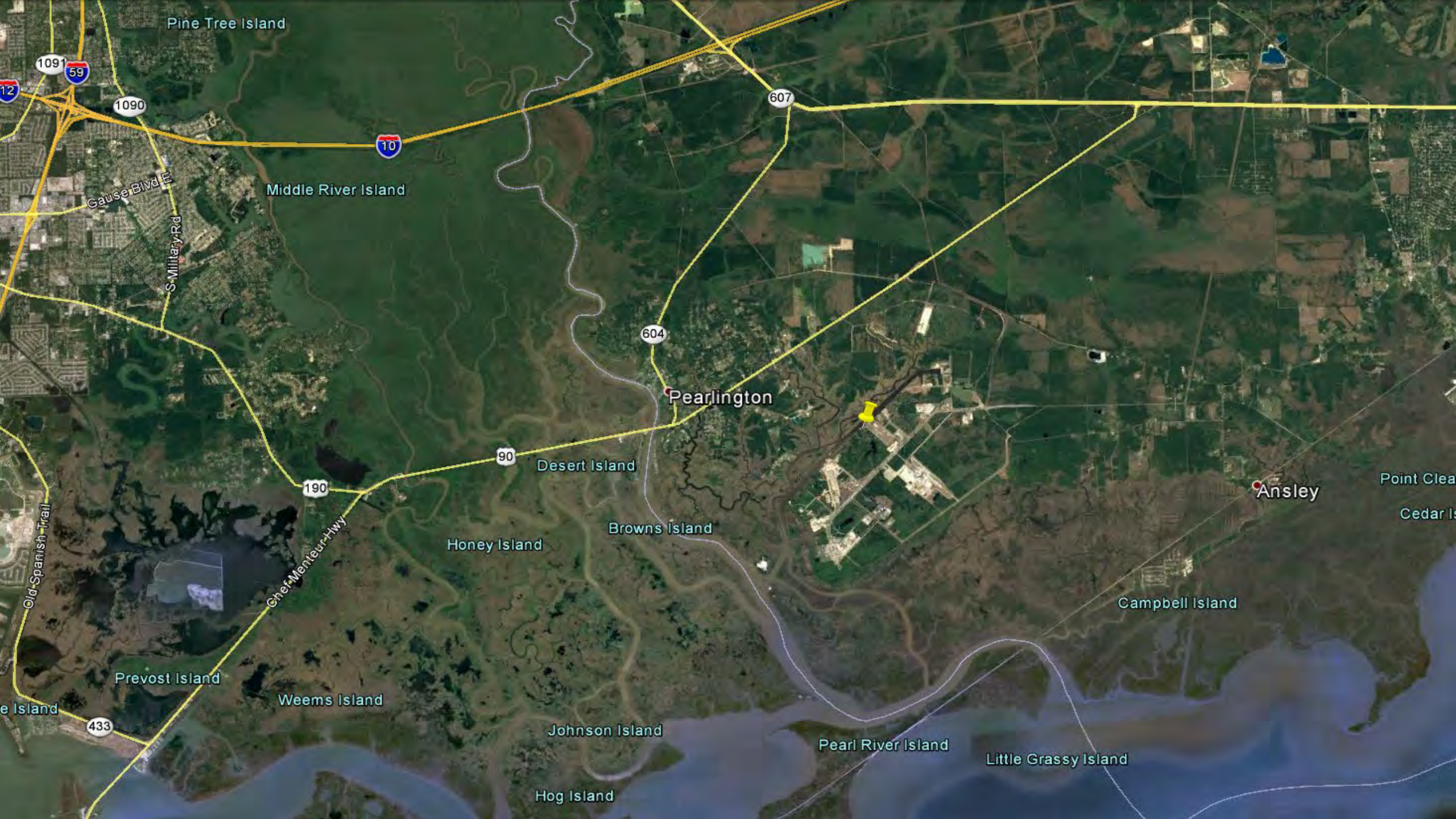
The applicant has requested a variance to Chapter 8, Section 2, Part III.N.1.f of the Mississippi Coastal Program (MCP) and to Miss. Admin. Code Title 22, Part 23, Chapter 8, Section 113.01, Item 6, which states, "Activities affecting coastal wetlands, but located outside of coastal wetlands must not affect . . . The long-term biological productivity of the coastal wetlands' ecosystem."

The applicant has justified these variance requests under Chapter 8, Section 2, Part I.E.2.c.iv of the MCP and Miss. Admin. Code Title 22, Part 23, Chapter 8, Section 118.04 by stating the activity requires a waterfront location; there is a significant public benefit in the activity; and a public hearing was held.









Pine Tree Island

1091

59

1090

10

607

Gause Blvd E

Middle River Island

S Military Rd

604

Pearlington

90

Desert Island

190

Old Spanish Trail

Cher Menteur Hwy

Honey Island

Browns Island

Ansley

Point Clear

Cedar Island

Campbell Island

Prevoist Island

Weems Island

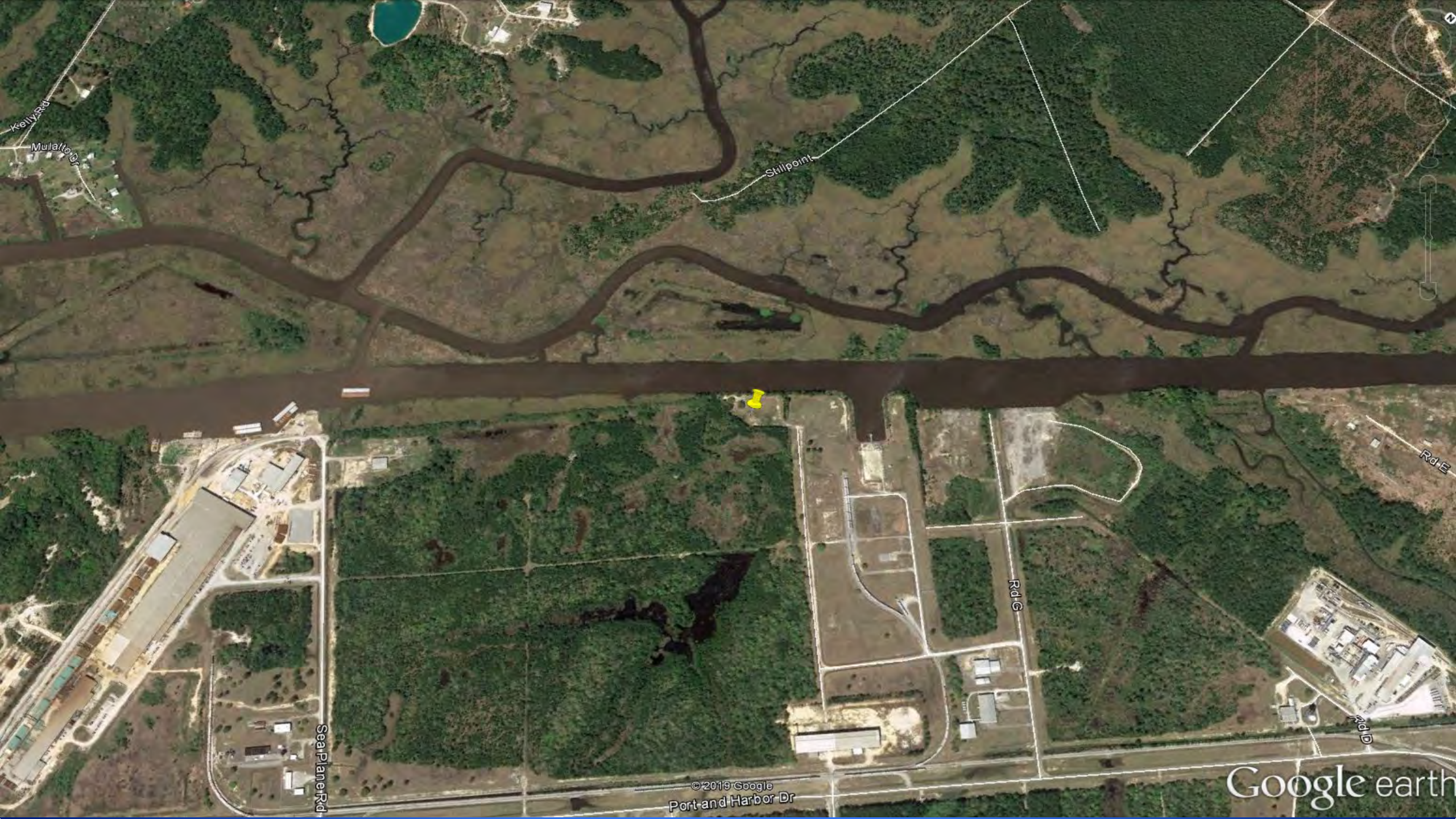
433

Johnson Island

Pearl River Island

Little Grassy Island

Hog Island



Kelly Rd

Mulatto Dr

Stillpoint

Rd E

Rd G

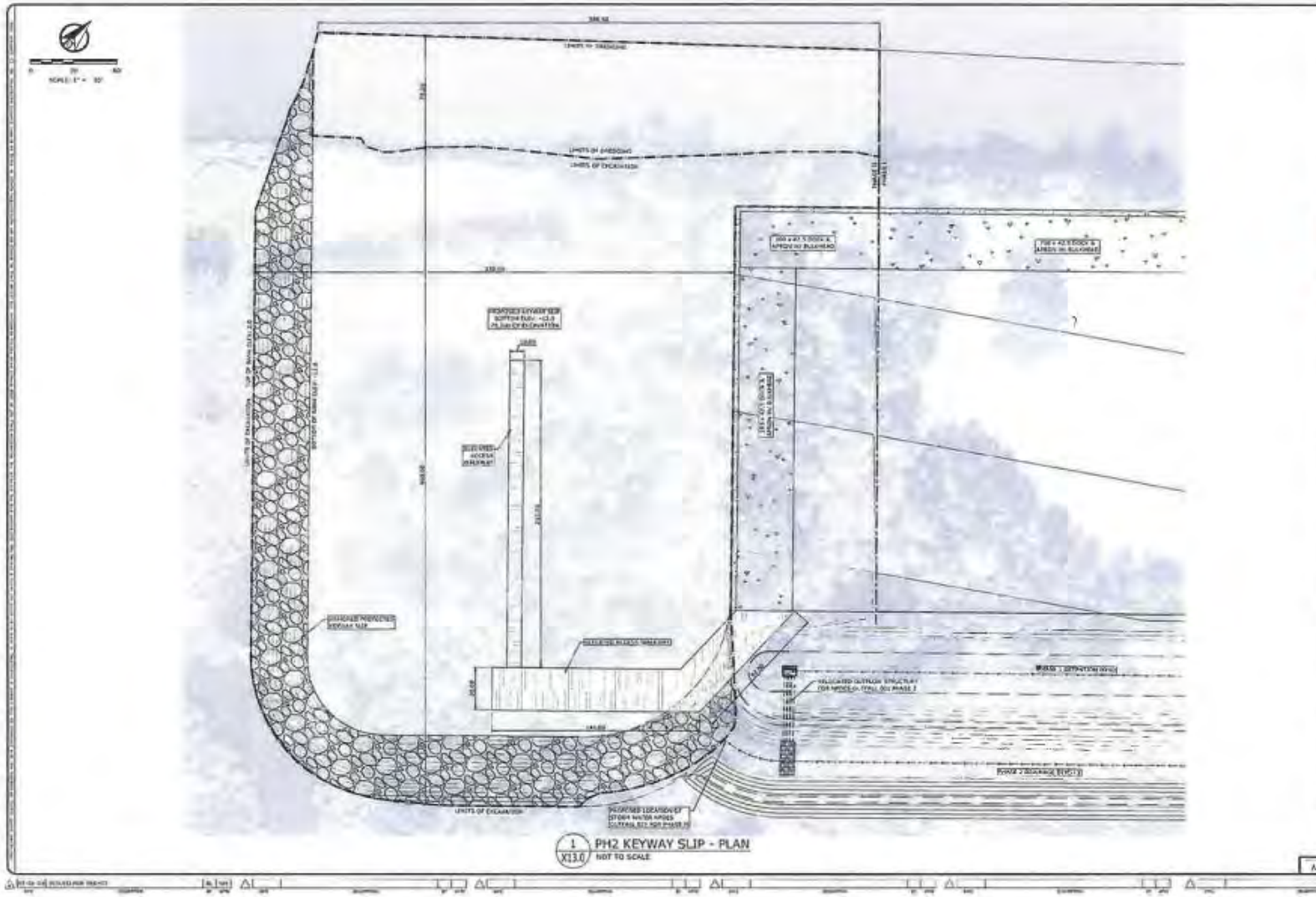
Rd D

SeaPlane Rd

© 2019 Google
Port and Harbor Dr

Google earth

S:\01-21-2018\06-PROJECTS\018-018-012 - HONC - Haggart Services Stack and Waterway\018-018-012.dwg - See 4 Multi-Phase Facility\018-018-012.dwg (2018/06/28 7:35:44 AM) b.ray



1 PH2 KEYWAY SLIP - PLAN
X13.0
NOT TO SCALE



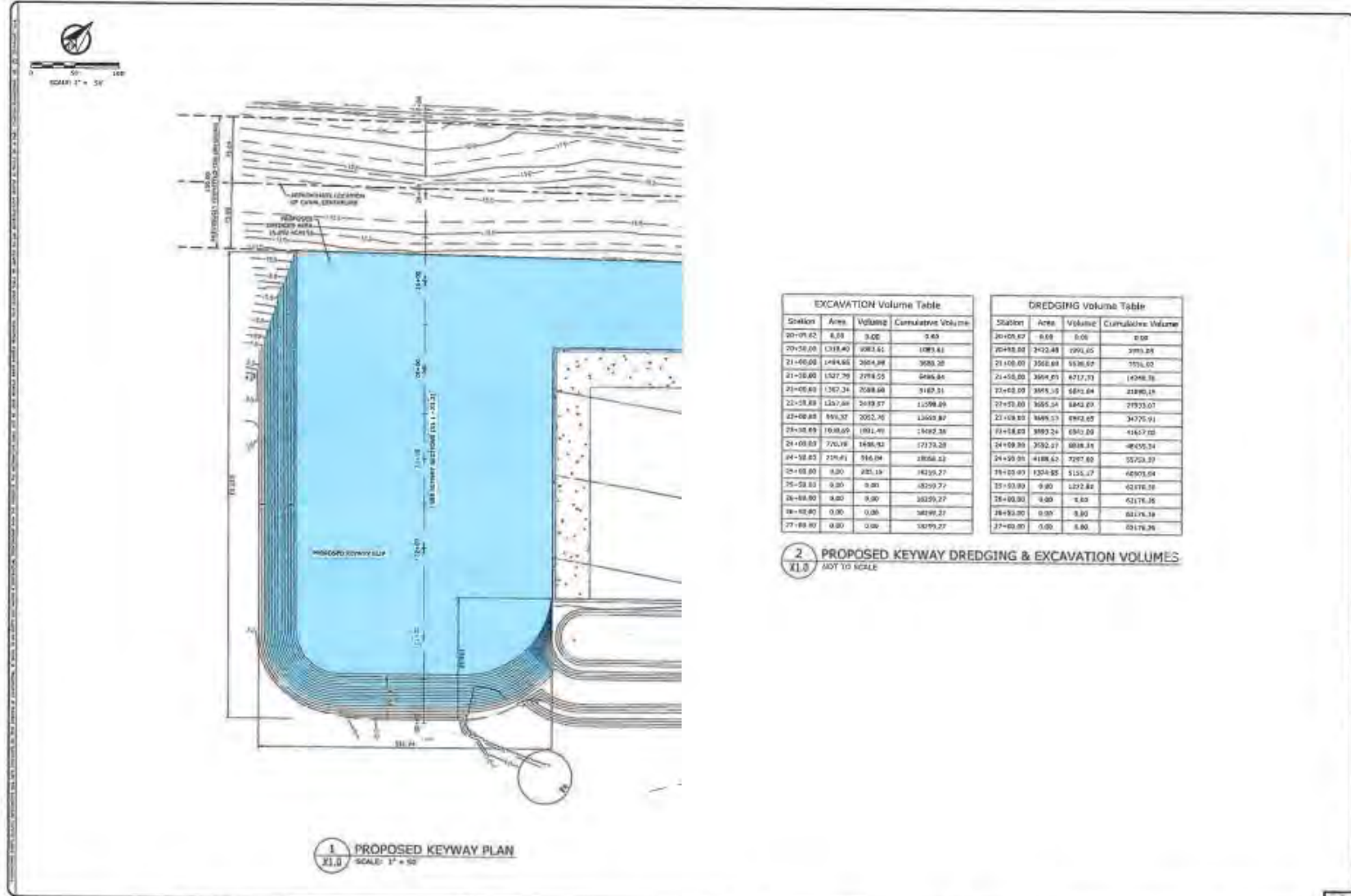
COMPTON ENGINEERING, INC.
 Engineering
 3518 Lakeshore Drive
 Bay St. Louis, Mississippi 39320
 Phone: (228) 497-2770 Fax: (228) 497-2720
 e-mail: info@comptonengineering.com



HANCOCK COUNTY PORT & HARBOR COMMISSION
 PORT BIENVILLE, MISSISSIPPI
 SITE 4 MULTI-MODAL FACILITY
 PHASE 2 DETENTION POND NORTH

SCALE: AS SHOWN
 DATE: 06/28/18
 DRAWN BY: J. RAY
 CHECKED BY: J. RAY
 DATE: 06/28/18

X13.0



1
X1.0 PROPOSED KEYWAY PLAN
SCALE: 1" = 50'

Station	Area	Volume	Cumulative Volume
20+00.00	8.08	3.00	3.03
20+50.00	1339.40	1083.41	1086.44
21+00.00	1484.61	2654.99	3683.38
21+50.00	1527.79	2794.55	6468.94
21+60.00	1367.24	2088.68	9167.31
22+50.00	1357.89	5199.87	11298.88
23+00.00	856.37	2022.76	13669.89
23+50.00	1648.69	1911.49	15682.38
24+00.00	726.18	1486.82	17173.28
24+50.00	775.71	916.04	18665.12
25+00.00	8.00	221.19	18926.77
25+50.00	8.00	8.00	18939.77
26+00.00	8.00	8.00	18955.77
26+50.00	8.00	8.00	18999.77
27+00.00	8.00	8.00	19009.77
27+88.00	8.00	0.00	19009.77

Station	Area	Volume	Cumulative Volume
20+00.00	8.08	0.00	0.00
20+50.00	2423.48	1091.05	2091.94
21+00.00	3502.81	938.62	2531.62
21+50.00	3694.75	4717.71	14248.38
21+60.00	3694.75	6815.64	21864.18
21+65.00	3694.75	8843.63	27533.07
22+00.00	3694.75	8943.63	34775.91
22+50.00	3694.75	10911.08	41617.02
23+00.00	3732.27	10911.08	48505.34
24+00.00	4188.62	7097.80	55728.37
24+50.00	1324.85	5155.27	62903.94
25+00.00	9.00	1322.84	63278.38
26+00.00	9.00	4.63	63287.38
26+50.00	9.00	8.00	63294.38
27+00.00	9.00	8.00	63300.38
27+88.00	9.00	8.00	63308.38

2
X1.0 PROPOSED KEYWAY DREDGING & EXCAVATION VOLUMES
NOT TO SCALE

COMPTON ENGINEERING, INC.
Engineering, Surveying, and Environmental Services
2026 Longfellow Drive
Ray St. Louis, Missouri 63120
Phone: 314-241-2276
E-mail: kral@comptonsurveying.com



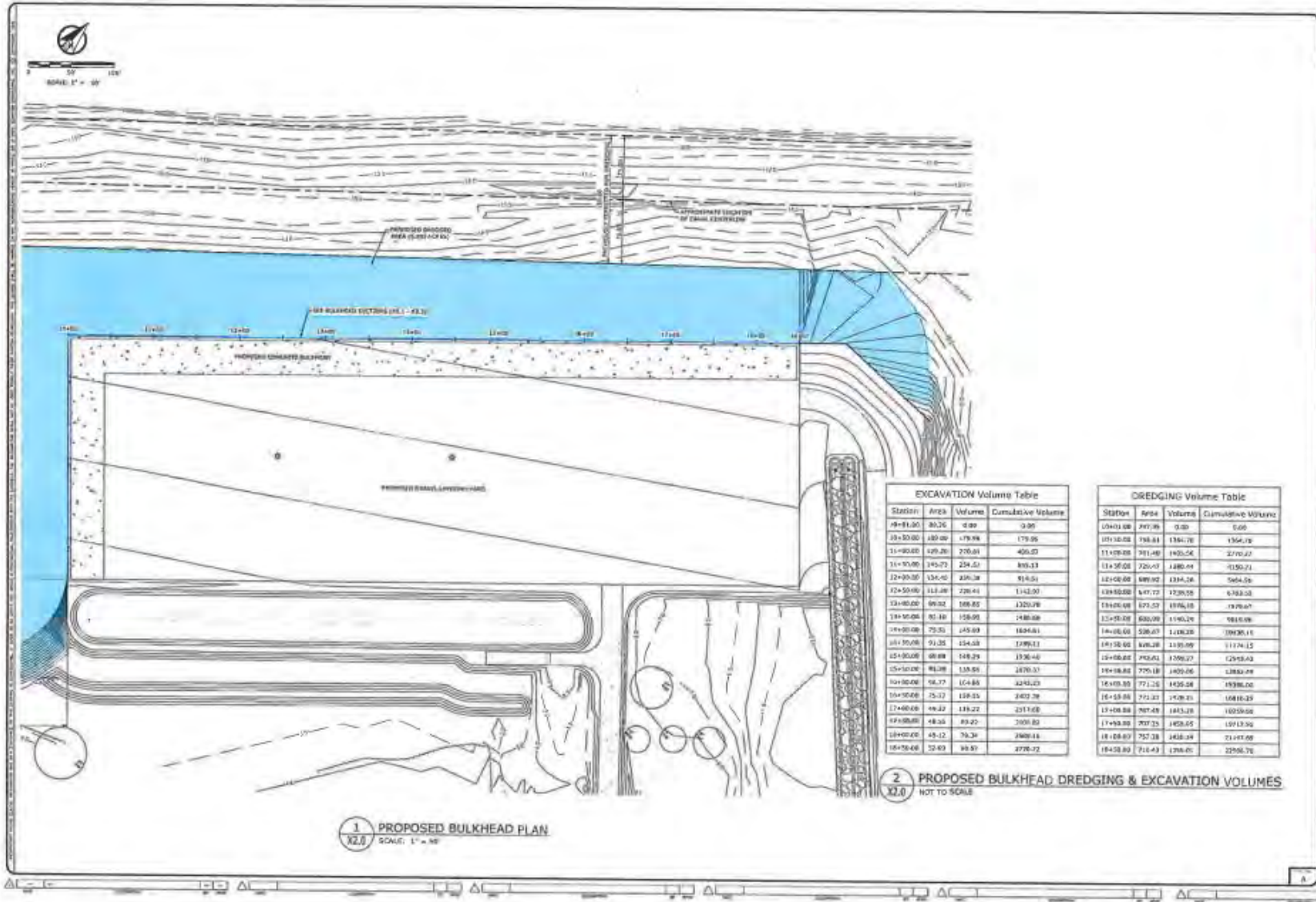
WINN-DIXIE COUNTY PORT & HARBOR COMMISSION
PORT BIENVILLE, MISSISSIPPI
SITE 4 MULTI-MODAL FACILITY
PROPOSED KEYWAY PLAN & VOLUMES

SCALE: AS NOTED
DATE: 11-11-09
DRAWN BY: J. WAINWRIGHT
CHECKED BY: M. WAINWRIGHT
DATE: 11-11-09

APPROVED:
PROJECT MANAGER
DATE: 11-11-09

X1.0

STAFF: 01/20/2019 10:30:18 AM - H2C - Support Services, Desks and Warehouse 0318-432-004 - Site 4 Bulkhead Facility/Port/Aviation Department and Bulkhead Volume Project - ENVIRONMENTAL 02-10-16, 04, 12, 0, 0/0/2019 1:06:49



COMPTON ENGINEERING, INC.
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3430 Compton Drive
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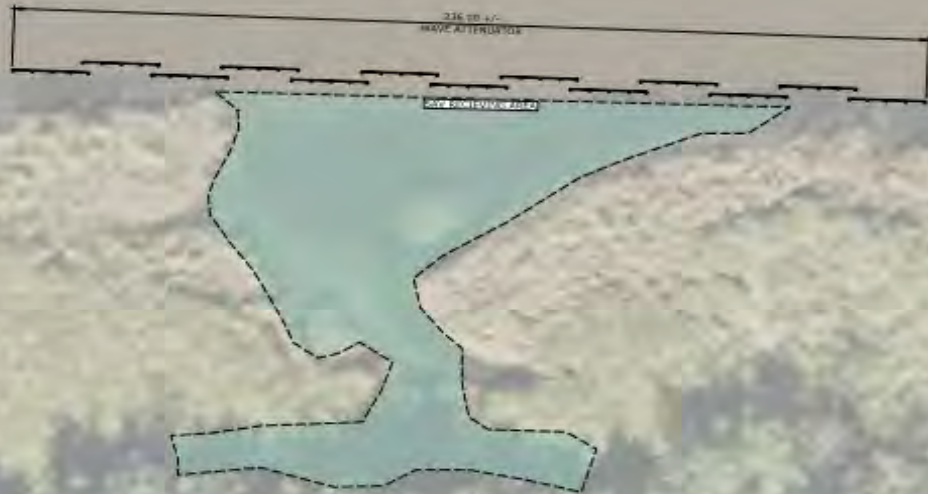
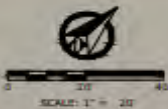
LANCOCK COUNTY PORT & HARBOR COMMISSION
PORT BIENVILLE, MISSISSIPPI
SITE 4 MULTI-MODAL FACILITY
PROPOSED BULKHEAD PLAN & VOLUMES

SCALE: AS NOTED
DATE: 08/22/2018
DRAWN BY: J. BLANKNER
CHECKED BY: J. BLANKNER
APP'D:

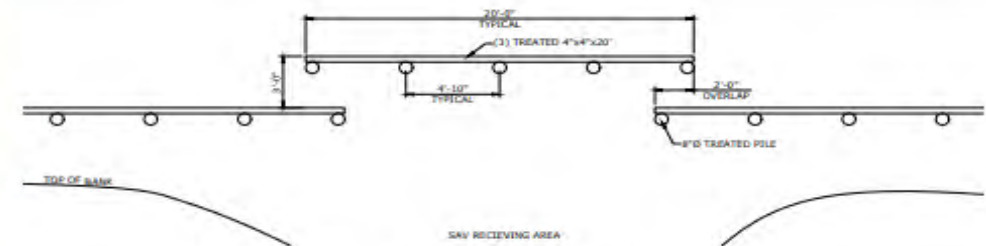
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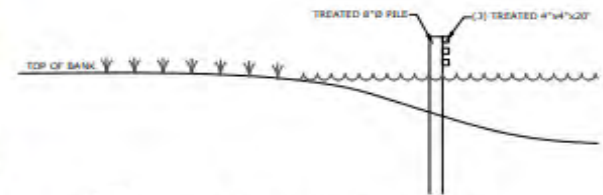
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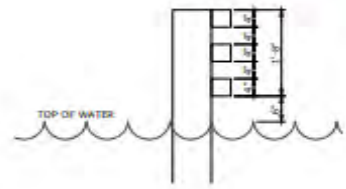
1 WAVE ATTENUATOR - PLAN VIEW
SCALE: 1" = 20'-0"
X16.0



2 WAVE ATTENUATOR - ENLARGED PLAN
SCALE: 1/4" = 1'-0"
X16.0



3 WAVE ATTENUATOR - SECTION
SCALE: 1/4" = 1'-0"
X16.0



4 WAVE ATTENUATOR - SECTION
SCALE: 3/4" = 1'-0"
X16.0

COMPTON ENGINEERING, INC.
Engineering, Surveying, and Environmental Services
3036 Longfellow Drive
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E-mail: bs@comptonengineering.com



HANCOCK COUNTY PORT & HARBOR COMMISSION
PORT BIENVILLE, MISSISSIPPI
SITE 4 MULTI-MODAL FACILITY
WAVE ATTENUATOR PLAN & SECTION

SCALE:	AS NOTED
DATE:	2/18/07/04
DESIGN:	J. BURKAS
CHECK:	T. PARKER
APPROVED:	

X16.0

Public and Agency Notification

- **Comments...**
 - Notification of this project appeared in *The Sun Herald* on August 18, August 25, and September 1, 2019, and in *The Sea Coast Echo* on August 17, August 24, and August 31, 2019.
 - One public comment was received concerning:
 - Loud noises from construction and operation activities
 - Requested noise levels be taken into account, especially late at night
 - A public hearing was held on Tuesday, September 24, 2019 at 6:00 p.m. at the David N. McDonald Training Center of the Hancock County Port and Harbor Commission located at 3060 Port and Harbor Drive, Pearlinton, MS. No comments were received.
 - MS DEQ: Currently reviewing the project
 - MS DAH: Has no objections
 - MS DWFP: Recommends best management practices
 - MS SOS: Notes the project is adjacent to the Hancock County Marsh Coastal Preserve and asks that all reasonable measures be imposed to protect the integrity of the ecosystem.

Recommendation

- **Based upon departmental review and evaluation of the decision factors in Ch. 8, Sect. 2, Part I.E.2. of the MCP, it has been determined that the project will allow significant expansion of the port and benefit the economic development of Hancock County. Therefore, staff recommends approval of the requested variance and the proposed project contingent on clearance from DEQ.**

**Request for Exclusion by:
Jackson County Port Authority
File: DMR-190178**

- **Location: Wetlands adjacent to the Escatawpa River in Moss Point, Jackson County, MS.**
- **Use District: (G) General Use District**
- **Agent: Compton Engineering**
- **Project Purpose/Need: More efficient rail transport of goods and abandonment of existing railroad crossings.**

Project Description

- **Fill:**
 - 4.89 acres of wetland impacts
 - 3.73 acres of tidal and tidally-influenced marsh
 - 1.16 acres of forested, non-tidal wetlands
- **Mitigation:**
 - Creation of 3.8 acres of tidal and tidally-influenced marsh immediately adjacent to the project area

Project Description

continued

- **Variance requests MCP:**
 - Chapter VIII, Sect. 2, Part III.O.1: “Permanent filling of coastal wetlands because of potential adverse and cumulative environmental impacts is discouraged.”
 - Chapter VIII, Sect. 2, Part III.O.2: “Areas containing submerged vegetation or regularly flooded emergent vegetation shall not be filled”
 - Chapter VIII, Sect. 2, Part III.F.1: “Bridging shall be used in preference to filling”
 - Chapter VIII, Sect. 2, Part III.F.3: “Except for the construction of replacement bridges and approaches, transportation improvement projects shall generally follow existing alignments in coastal wetlands.”
- **Justification:**
 - Chapter 8, Section 2, Part I.E.2.c.iii: “No feasible, alternative sites or construction techniques are available, there is a significant public benefit in the activity, and a public hearing has been held.”
 - Efficient transport of goods including those which support the nation’s energy policy
 - Increase public safety by closing railroad crossing.

Project Description

continued

- **Variance requests Title 22, Part 23:**
 - **Chapter 8, 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.””
 - **Chapter 8, Sect. 114.03:** “Sensitive coastal wetlands must not be filled”
 - **Chapter 8, Sect. 105.01:** “Bridging must be used in preference to filling to create roadbeds, railways, and other transportation facilities...”
 - **Chapter 8, Sect. 105.03:** “Except for the construction of replacement bridges and approaches, transportation improvement projects shall generally follow existing alignments in coastal wetlands.”
- **Justification:**
 - **Chapter 8, Section 118.03:** “No feasible, alternative sites or construction techniques are available, there is a significant public benefit in the activity, and a public hearing has been held.”
 - **Efficient transport of goods including those which support the nation’s energy policy**
 - **Increase public safety by closing railroad crossing.**



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218-051.001
 JACKSON COUNTY PORT AUTHORITY (JCPA),
 NORTH RAIL CONNECTOR - PLANNING ASSISTANCE
 FIGURE 2: WETLAND IMPACTS
 SHEET 2
 SCALE: 1"=300'
 DRN. BY: JDL

VE





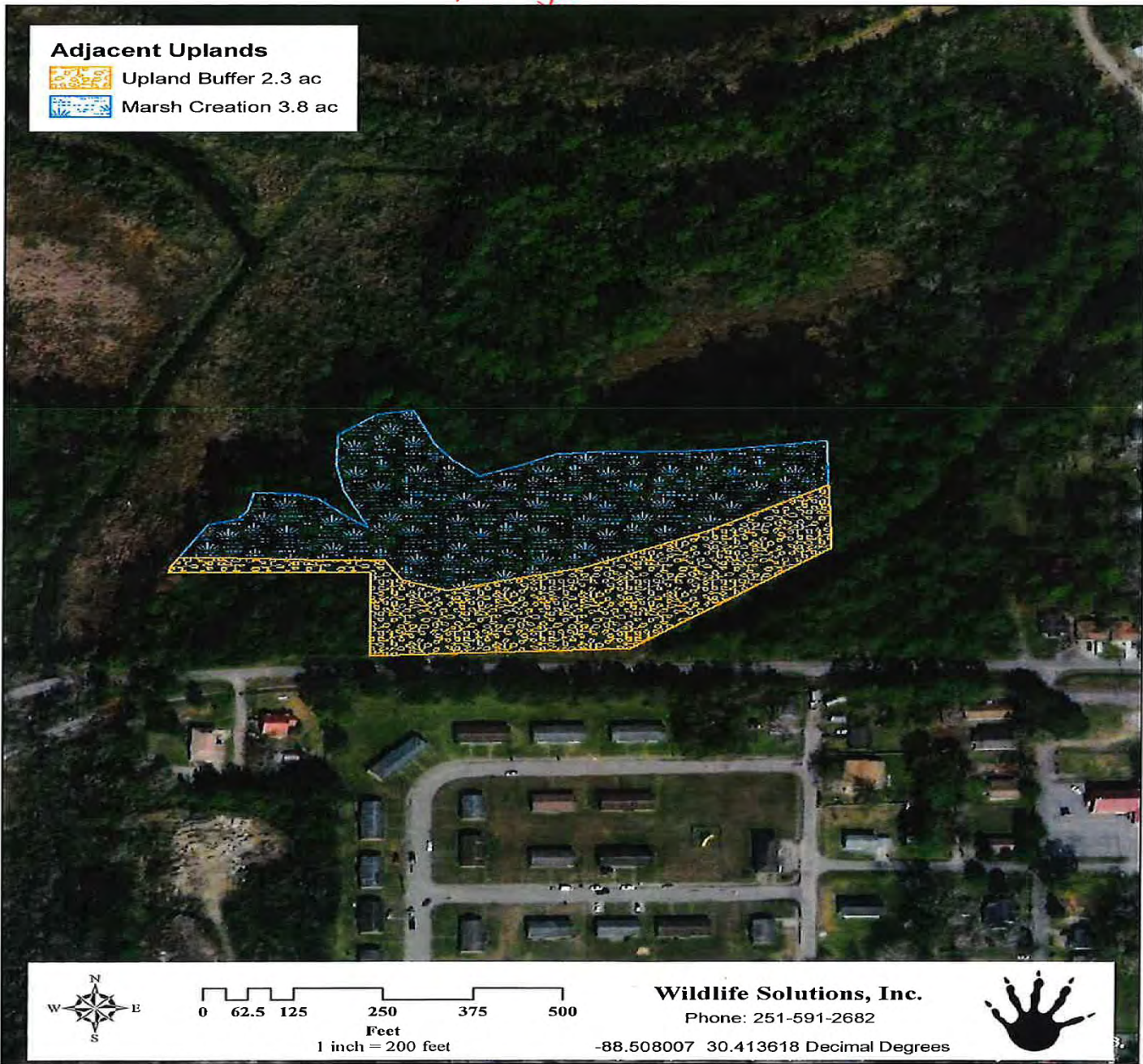
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218-051.001
 JACKSON COUNTY PORT AUTHORITY (JCPA),
 NORTH RAIL CONNECTOR - PLANNING ASSISTANCE
 FIGURE 2: WETLAND IMPACTS
 SHEET 1
 SCALE: 1"=300'
 DRN. BY: JDL

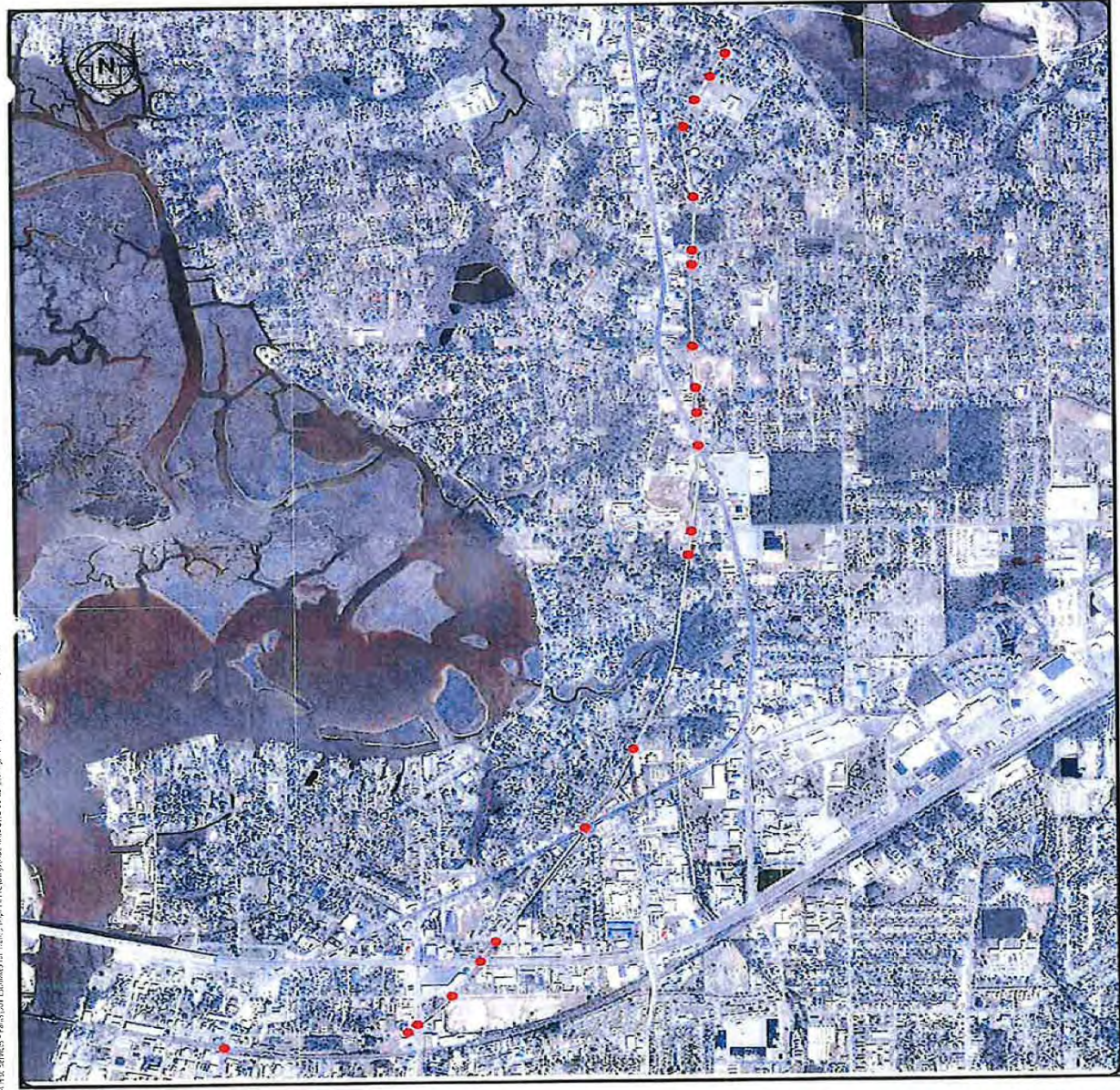
Mitigation

Adjacent Uplands

-  Upland Buffer 2.3 ac
-  Marsh Creation 3.8 ac



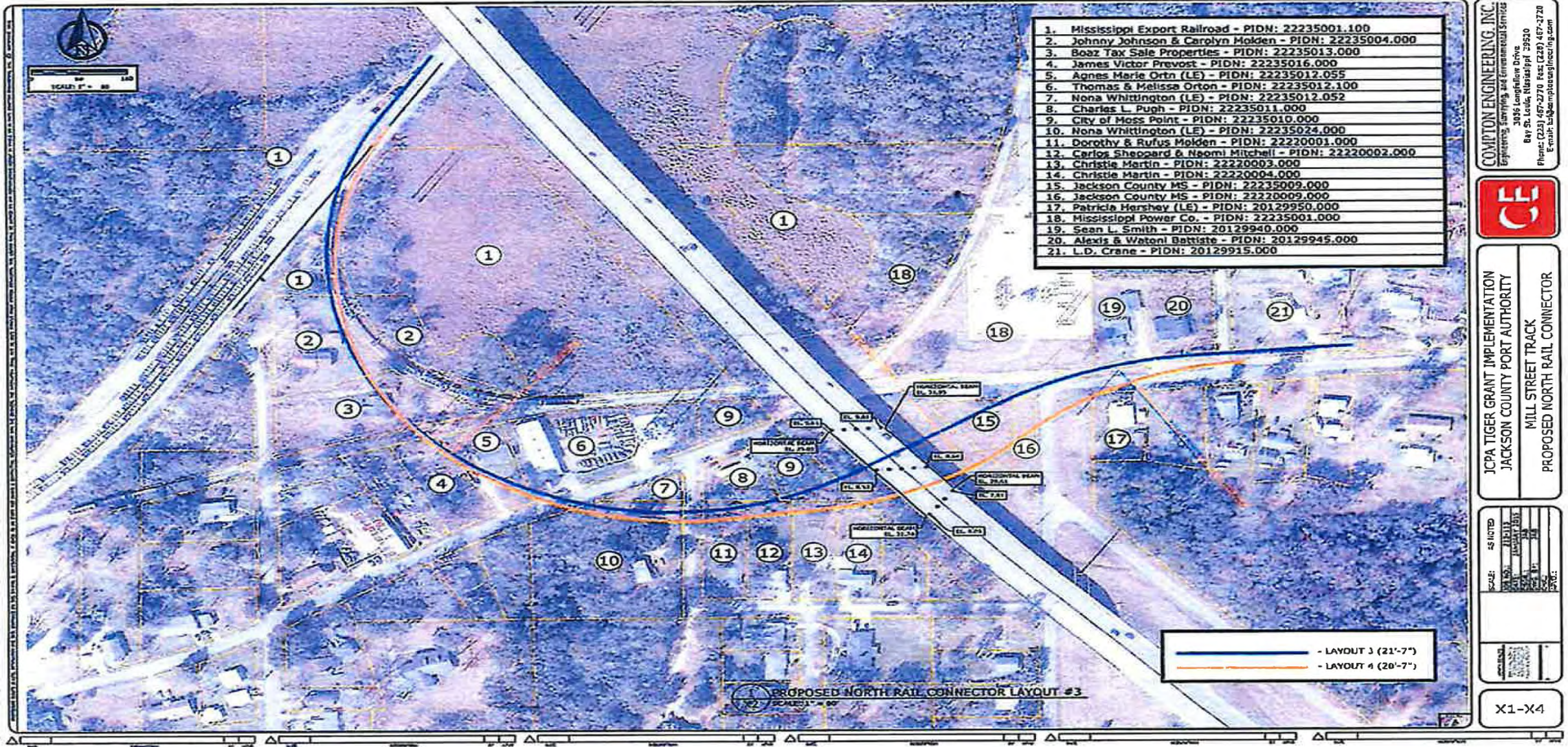
5/19/2009 10:59 AM C:\Users\perry\Documents\Projects\2009\2009-05-19\2009-05-19-001.dwg 1/23/2009 10:47:17 AM, nedsb.



COMPTON ENGINEERING, INC.
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Pascagoula, Mississippi 39567
Phone: (228) 762-3970 Fax: (228) 769-9079
E-mail: compton@comptonengineering.com

● (21) ROAD CROSSINGS THROUGH MOSS POINT & PASCAGOULA

Alternative Layouts



1. Mississippi Export Railroad - PIDN: 22235001.100
2. Johnny Johnson & Carolyn Morden - PIDN: 22235004.000
3. Boaz Tax Sale Properties - PIDN: 22235013.000
4. James Victor Prevost - PIDN: 22235016.000
5. Agnes Marie Ortn (LE) - PIDN: 22235012.055
6. Thomas & Melissa Ortn - PIDN: 22235012.100
7. Nona Whittington (LE) - PIDN: 22235012.052
8. Charles L. Pugh - PIDN: 22235011.000
9. City of Moss Point - PIDN: 22235010.000
10. Nona Whittington (LE) - PIDN: 22235024.000
11. Dorothy & Rufus Morden - PIDN: 22220001.000
12. Carlos Sheppard & Naomi Mitchell - PIDN: 22220002.000
13. Christie Martin - PIDN: 22220003.000
14. Christie Martin - PIDN: 22220004.000
15. Jackson County MS - PIDN: 22235009.000
16. Jackson County MS - PIDN: 22220009.000
17. Patricia Hershey (LE) - PIDN: 20129950.000
18. Mississippi Power Co. - PIDN: 22235001.000
19. Sean L. Smith - PIDN: 20129940.000
20. Alexis & Watoni Battiste - PIDN: 20129945.000
21. L.D. Crane - PIDN: 20129915.000

— - LAYOUT 3 (21'-7")
— - LAYOUT 4 (20'-7")

PROPOSED NORTH RAIL CONNECTOR LAYOUT #3
 SCALE: 1" = 80'

COMPTON ENGINEERING, INC.
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 E-mail: info@comptonengineering.com



JCPA TIGER GRANT IMPLEMENTATION
 JACKSON COUNTY PORT AUTHORITY
 MILL STREET TRACK
 PROPOSED NORTH RAIL CONNECTOR

SCALE:	AS SHOWN
DATE:	12/11/13
BY:	JM
CHECKED BY:	JM
DATE:	12/11/13
PROJECT:	
FIGURE:	

X1-X4

I:\Projects\2013\1211\12110101.dwg Plot Date: 12/11/13 10:58 AM Plot Path: I:\Projects\2013\1211\12110101.dwg Plot Scale: 1" = 80' Plot Size: 11.00 x 17.00

Public and Agency Notification

- Notification of this project appeared in *The Sun Herald* on June 23, June 30, and July 7, 2019.
 - No public comments were received
- MS DEQ: Currently reviewing the project
- MS DAH: No objections
- 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). The project would allow more efficient movement of goods by rail from Bayou Casotte and the Port of Pascagoula as well as allow for the abandonment of approximately 21 rail crossings in areas of Pascagoula and Moss Point which would increase public safety. Staff recommends approval of the variance requests and permit contingent on clearance from DEQ.**

**Request for Permit by:
Gulf LNG Liquefaction Company, LLC
File: DMR-060870**

- **Location: Bayou Casotte in Pascagoula, Jackson County, MS.**
- **Use District: (I) Industrial Development Use District**
- **Agent: Jacobs Engineering**
- **Project Purpose/Need: Expand the current facility to allow for the export of natural gas**

Project Description

- **Fill:**
 - 27.8 acres tidal and tidally influenced wetlands
 - 10.9 acres of non-tidal wetlands
 - North Marine Off-loading Facility (MOF): 0.91-acre of waterbottoms
 - South MOF: 0.15-acre of waterbottoms (temporary)
 - MOF: 1,350 linear feet of sheet-pile wall-fill containment (350 LF temporary)
 - 50 acres of unvegetated, state-owned waterbottoms for mitigation area
- **Dredging:**
 - 200,000 cubic yards for MOFs
 - (Material has been tested and found suitable for Beneficial Use per MS Code §49-27-61)

Project Description

continued

- **Mitigation:**

- Creation of 50 Acres of tidal marsh wetlands at the mouth of Bayou Casotte.
- For permanent fill of state-owned waterbottoms: One-time payment in the amount of \$117,268.04 to the MDMR Coastal Preserves Bureau for acquisition, conservation, and management of Coastal Preserves properties
- Purchase of mitigation credits from a U.S. Army Corps of Engineers Mobile District IRT-approved mitigation bank within the service area
- Tidelands Lease (SOS) for mitigation area

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Project Description

continued

- **Variance requests MCP:**
 - Chapter VIII, Sect. 2, Part III.O.1: “Permanent filling of coastal wetlands because of potential adverse and cumulative environmental impacts is discouraged.”
 - Chapter VIII, Sect. 2, Part III.O.2: “Areas containing submerged vegetation or regularly flooded emergent vegetation shall not be filled”
 - Chapter VIII, Sect. 2, Part III.K.1b: “Proposed road alignments shall use upland or already disturbed marsh areas.”

- **Variance requests Title 22, Part 23:**
 - 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.”
 - Chapter 8, Section 114.03 which states, “Sensitive coastal wetlands must not be filled.”
 - Chapter 8, Section 110.02 which states, “Proposed road alignments shall use upland or already disturbed marsh areas.”

Project Description

continued

- **Justification:**

- **Chapter 8, Section 2, Part I.E.2.c.iv of the MCP and Chapter 8, Section 118.04 of Title 22, Part 23, : “The activity requires a waterfront location, there is a significant public benefit, and a public hearing will be held.”**
 - **Significant economic impact**
 - **Decrease dependency on foreign countries for energy**
 - **Reduce global greenhouse gas emissions**
 - **Additional tidal marsh habitat**
 - **Reduce coastal erosion**



Legend

★ Project Location

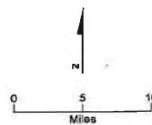


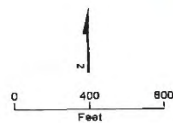
Figure 1
Project Location
 Gulf LNG Liquefaction Project
 Gulf LNG Liquefaction Company, LLC
 Jackson County, Mississippi

- Notes:**
1. Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, IPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013
 2. Sources: Esri, TomTom, Department of Commerce, Census Bureau, U.S. Department of



Legend

- Site Boundary
- North Marsh Mitigation Area
- South Marsh Mitigation Area



- Notes**
1. Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, IPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013
 2. Sources: Digital Globe Satellite Imagery; 11/29/2014.

Figure 7
 Gulf LNG Existing Mitigation Areas
 Gulf LNG Liquefaction Project
 Gulf LNG Liquefaction Company, LLC
 Jackson County, Mississippi



Legend

- | | |
|---------------------------|----------------------------|
| Construction Staging Area | Maintenance Building |
| Control & Admin Building | Marine Offloading Facility |
| Demolished Access Road | Meter Station |
| Exclusion Zone | New Access Road |
| Existing Access Road | Parking Lot |
| Existing Terminal | Plant Open Storage |
| Flare Stack | Refrigerant Storage Area |
| Heavy Haul Road | Truck Unloading Area |
| LNG Train 1 | USACE Dike |
| LNG Train 2 | Utility Area |
| Main Substation | |

Notes:
 1. Sources: Digital Globe Satellite Imagery; 11/29/2014.

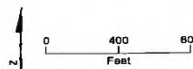


Figure 3
 Project Facilities
 Gulf LNG Liquefaction Project
 Gulf LNG Liquefaction Company, LLC
 Jackson County, Mississippi



Legend

- | | |
|---|---|
|  Army Corps of Engineers Wetlands |  Existing Mitigation Areas (9.5 Acres) |
|  Expansion Area Non-Tidal Wetlands |  Existing Terminal Facilities |
|  Expansion Area Wetlands |  Exclusion Zone |
|  Expansion Area Uplands |  Flare Systems |
|  Flare Exclusion Area Non-Tidal Wetlands |  Marine Offloading Facility |
|  Flare Exclusion Area Uplands |  Proposed Project Boundary |
|  Flare Exclusion Area Wetlands | |
|  North Mitigation Area Wetlands | |
|  South Storage Area Wetlands | |

Notes:
 1. Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, IPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013
 2. Sources: ESRI Aerial Online Service; April 12, 2010.

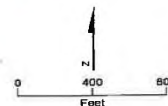
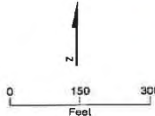


Figure 8
 Project Site and Wetland Impacts
 Gulf LNG Liquefaction Project
 Gulf LNG Liquefaction Company, LLC
 Jackson County, Mississippi



Legend

- Proposed Project Boundary
- North Heavy Haul Road

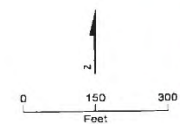


- Notes**
1. Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013
 2. Source: Digital Globe Satellite Imagery; 11/29/2014
 3. Design details provided by KBR drawing CV-AAA-G10-001

Figure 4
 North MOF
 Gulf LNG Liquefaction Project
 Gulf LNG Liquefaction Company, LLC
 Jackson County, Mississippi



- Legend**
- Proposed Project Boundary
 - South Heavy Haul Road



- Notes**
1. Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, IPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013
 2. Sources: Digital Globe Satellite Imagery, 11/29/2014.
 3. Design details provided by KBR drawing CV-AAA-G10-002

Figure 5
 South MOF
 Gulf LNG Liquefaction Project
 Gulf LNG Liquefaction Company, LLC
 Jackson County, Mississippi



Legend

-  Wetlands
-  Site Boundary

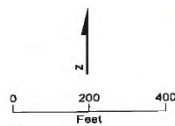


Figure 9
CSA 5 – Chevron Property
Wetland Survey
 Gulf LNG Liquefaction Project
 Gulf LNG Liquefaction Company, LLC
 Jackson County, Mississippi

Notes:
 1. Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013
 2. http://services.arcgis.com/arcgis/rest/services/World_Imagery



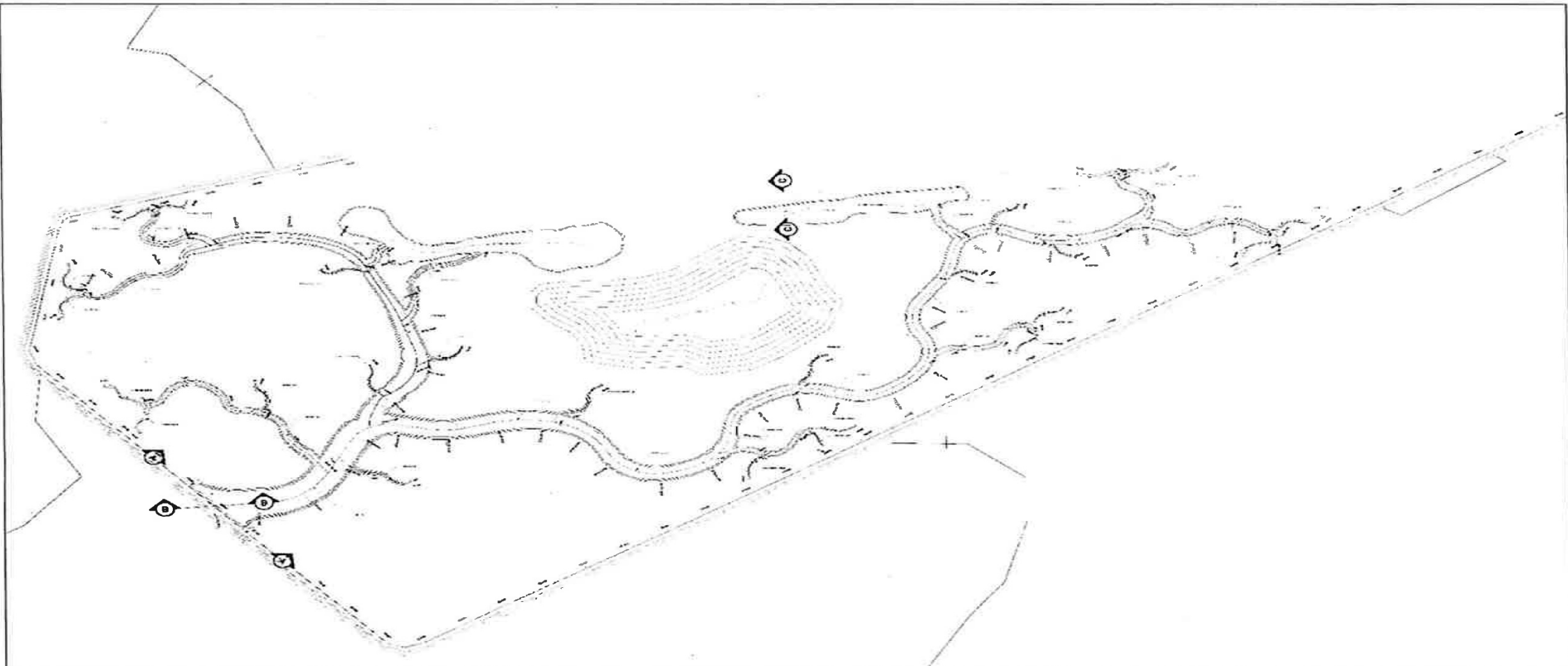
Legend

- Potential Mitigation Site
- Potential Tidal Marsh Creation
- Rip Rap Shoreline Protection



- Notes
1. Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, IPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013
 2. Sources: ESRI Aerial Online Service; April 12, 2010.
 3. <http://mapping.co.jackson.ms.us/#jacksoncountyflexwebmap/>

Figure 5
Proposed Mitigation
Gulf LNG Site
 Gulf LNG Liquefaction Project
 Gulf LNG Liquefaction Company, LLC
 Jackson County, Mississippi



1. ALL DIMENSIONS ARE IN FEET AND INCHES.
 2. DIMENSIONS TO CENTERLINE UNLESS OTHERWISE NOTED.
 3. ALL CHANNELS TO BE CONSTRUCTED TO A MINIMUM OF 10 FEET DEPTH.
 4. ALL CHANNELS TO BE CONSTRUCTED TO A MINIMUM OF 10 FEET WIDTH.
 5. ALL CHANNELS TO BE CONSTRUCTED TO A MINIMUM OF 10 FEET CLEARANCE.
 6. ALL CHANNELS TO BE CONSTRUCTED TO A MINIMUM OF 10 FEET CLEARANCE.
 7. ALL CHANNELS TO BE CONSTRUCTED TO A MINIMUM OF 10 FEET CLEARANCE.
 8. ALL CHANNELS TO BE CONSTRUCTED TO A MINIMUM OF 10 FEET CLEARANCE.
 9. ALL CHANNELS TO BE CONSTRUCTED TO A MINIMUM OF 10 FEET CLEARANCE.
 10. ALL CHANNELS TO BE CONSTRUCTED TO A MINIMUM OF 10 FEET CLEARANCE.

NO.	DESCRIPTION	DATE
1	ISSUED FOR PERMITTING	12/15/11
2	ISSUED FOR PERMITTING	12/15/11
3	ISSUED FOR PERMITTING	12/15/11
4	ISSUED FOR PERMITTING	12/15/11
5	ISSUED FOR PERMITTING	12/15/11
6	ISSUED FOR PERMITTING	12/15/11
7	ISSUED FOR PERMITTING	12/15/11
8	ISSUED FOR PERMITTING	12/15/11
9	ISSUED FOR PERMITTING	12/15/11
10	ISSUED FOR PERMITTING	12/15/11

GULF LNG LIQUEFACTION COMPANY, LLC

GULF LNG MARSH CREATION PROJECT

thompson

ch2m

PLAN FOR TIDAL CREEK AND MARSH

Public and Agency Notification

- Notification of this project appeared in *The Sun Herald* and *Mississippi Press* on February 21, 28, and March 6, 2016. As well as November 3, 10, and 17, 2019.
 - Public comments were received from two (2) respondents to the 2016 notice

Public and Agency Notification

continued

- **Comment:** Loss of flood protection and storm water control resulting from permanent wetland impacts and the mitigation proposed would not replace these important wetland functions
- **Response:** Based on modeling completed for the Project, construction of the project and associated tidal wetlands would have negligible effect on the current flood storage capacity in the Bayou Casotte area.

Public and Agency Notification

continued

- **Comment:** A detailed, well-reasoned more robust mitigation plan is needed and should be shown before this project can proceed”.
- **Response:** The mitigation plan was still in the draft stages at the time of the first public notice. A final mitigation plan has been provisionally approved by the USACE.

Public and Agency Notification

continued

- **Comment:** Skeptical of the success of the mitigation plan due to its direct exposure to MS Sound.
- **Response:** The mitigation plan was designed per the latest USACE manuals for Shore Protection and Coastal Engineering.
- **Comment:** Questions the use of three variances to the MDMR's Mississippi Coastal Plan.
- **Response:** See write-up

Public and Agency Notification

continued

- **Comment:** Reduce barge berths from 2 to 1 to avoid wetland impacts.
- **Response:** Increased accessibility for the offloading of fill materials and aggregate, while reducing traffic impacts to Industrial Road to the north.
- A public Hearing was held on November 12, 2019. No public comments were received

Public and Agency Notification

continued

- **MS DEQ: Currently reviewing the project**
- **MS DAH: No objections.**
- **MS SOS: Tidelands Lease will be required**
- **Federal Energy Regulatory Commission (FERC): Issued Certification after an approximate five (5) year-EIS process**
- **USACE: Issued Provisional Permit**

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). The project would allow both the import and export of natural gas at the Bayou Casotte Terminal. The project would create a significant amount of economic activity by creating jobs directly associated with the facility as well as construction employment. The project would be in support of the nation's energy policy by reducing dependence on foreign countries for energy. Staff recommends approval of the variance requests and permit contingent on clearance from DEQ**



ENHANCE ★ PROTECT ★ CONSERVE

Western Mississippi Sound Hydrodynamics and Lower Pearl River Discharge

George Ramseur and Paul F. Mickle Ph.D.

Western Sound Freshwater Inputs

- Pearl River
- Jourdan River
- Wolf River
- Bonnet Carré
- Other MS River Diversions?





1850 - 23 miles



2004 - 30 miles

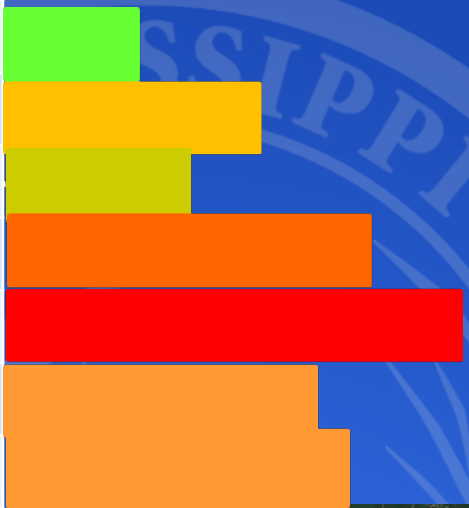


2016 - 33 miles

2020 +/- 30 miles

The passes enlarge as the islands and marshes erode...

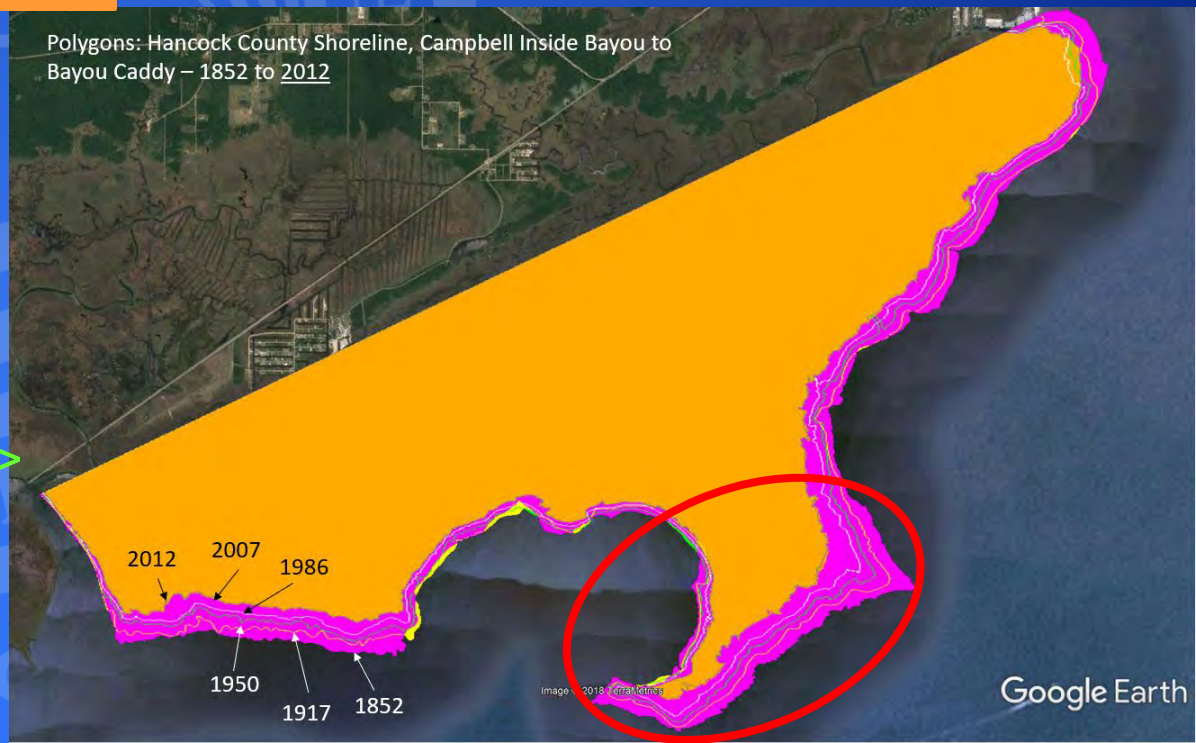
Year	Acres	Acres Lost	#Yrs	Loss per year
1852	7749.877905			
1917	7425.731693	324.146212	65	4.9868648
1950	7145.2114	280.520293	33	8.500614939
1971	7021.316241	123.895159	21	5.899769476
1986	6858.82769	162.488551	15	10.83257007
2007	6573.537493	285.290197	21	13.58524748
2012	6526.382175	47.155318	5	9.4310636
2016	6487.457754	38.924421	4	9.73110525



Hancock County Shoreline Regression, 1852 to 2016

Long term erosion rates have doubled.

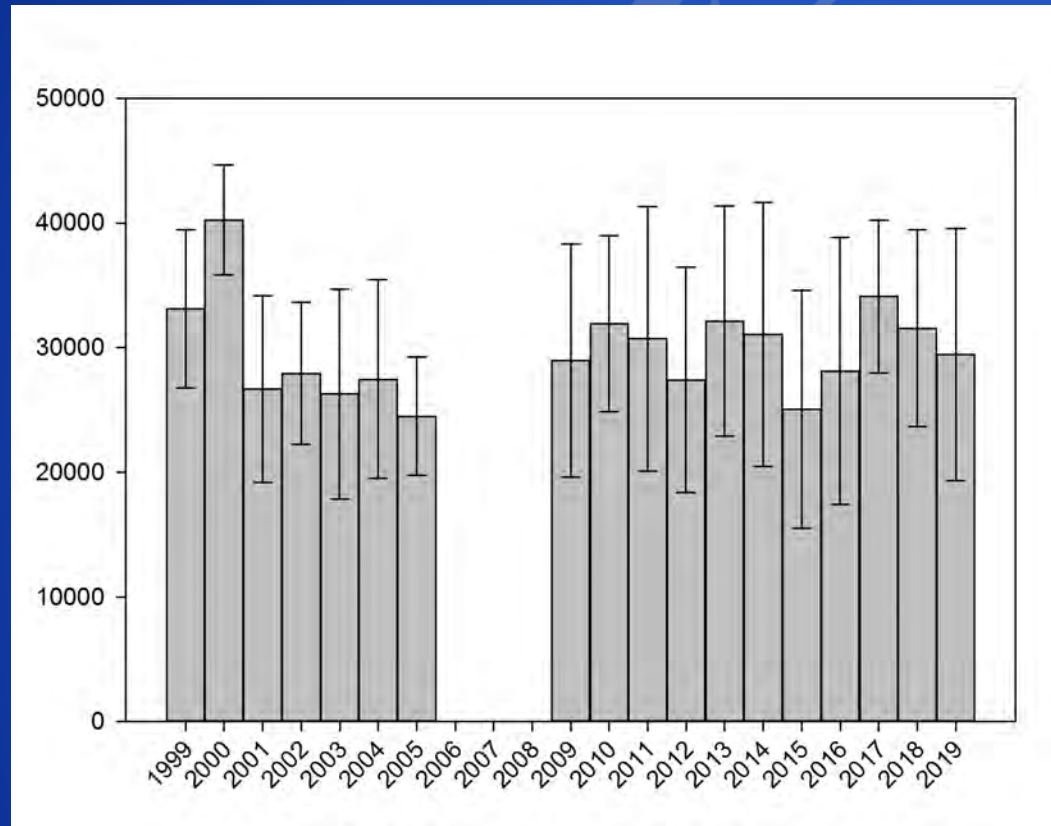
Loss appears to be directly fetch related >>>



Water Quality Variation

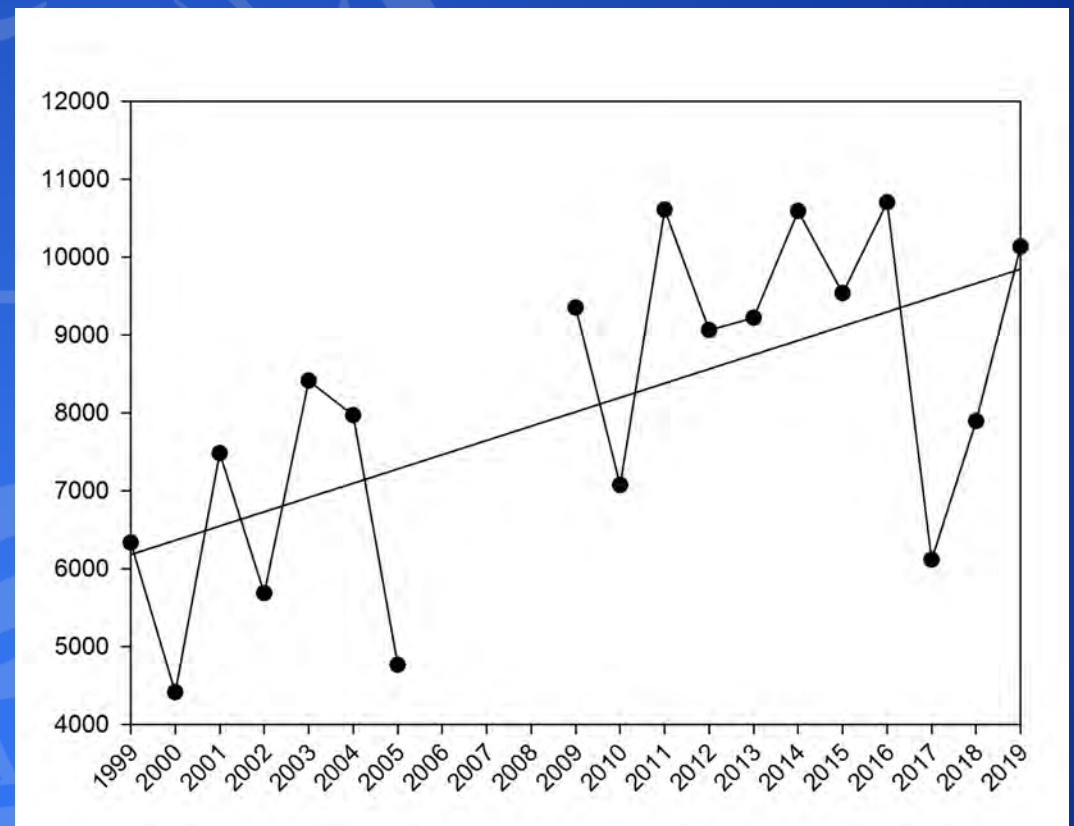
Data from: USGS 301429089145600 MISSISSIPPI SOUND AT USGS MERRILL SHELL BANK LIGHT

Conductivity $\mu\text{/cm}$ at 25°C



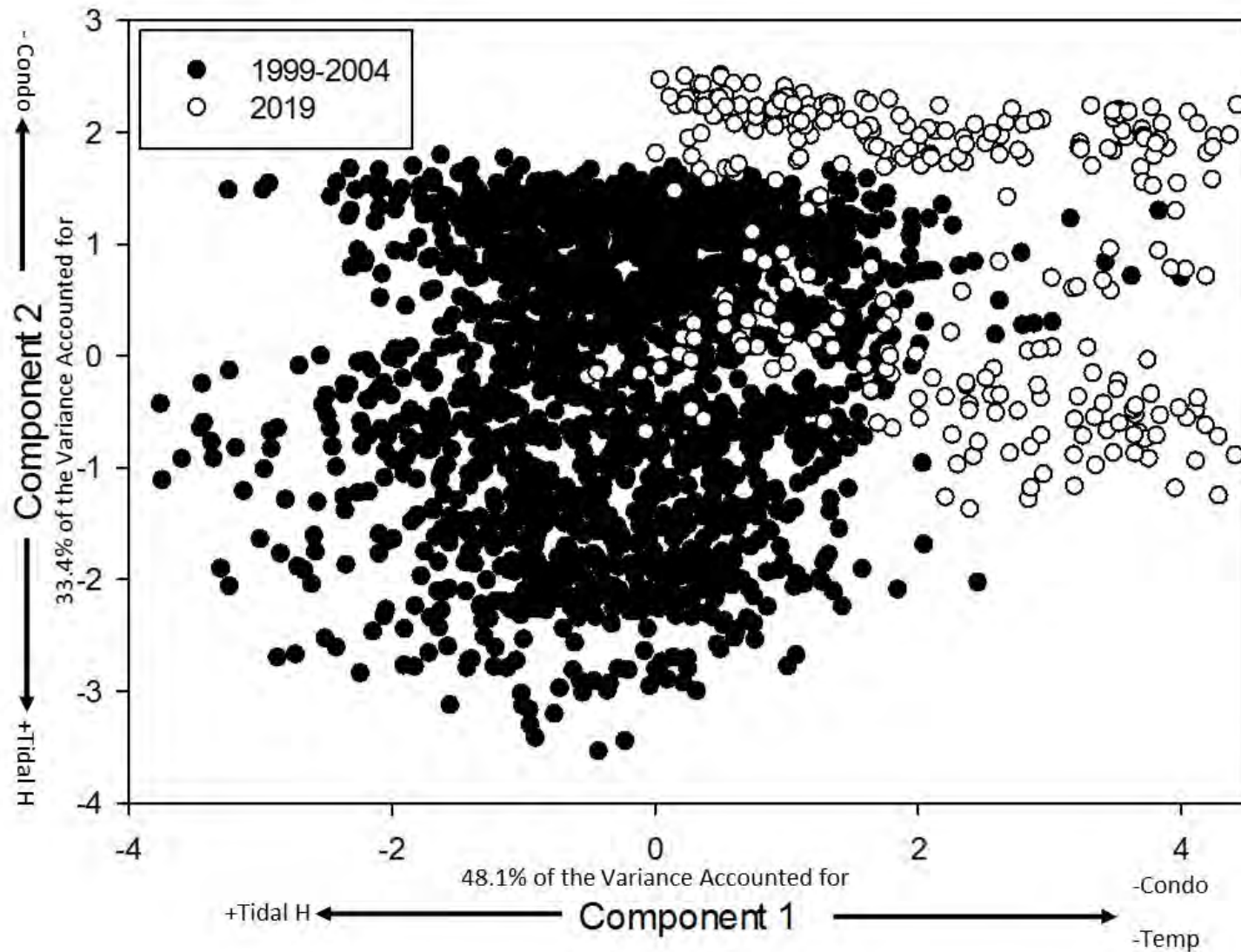
Year

Standard Deviation of Conductivity



Year

Bonnet Carré Influences on Water Quality



Understanding the Western Sound

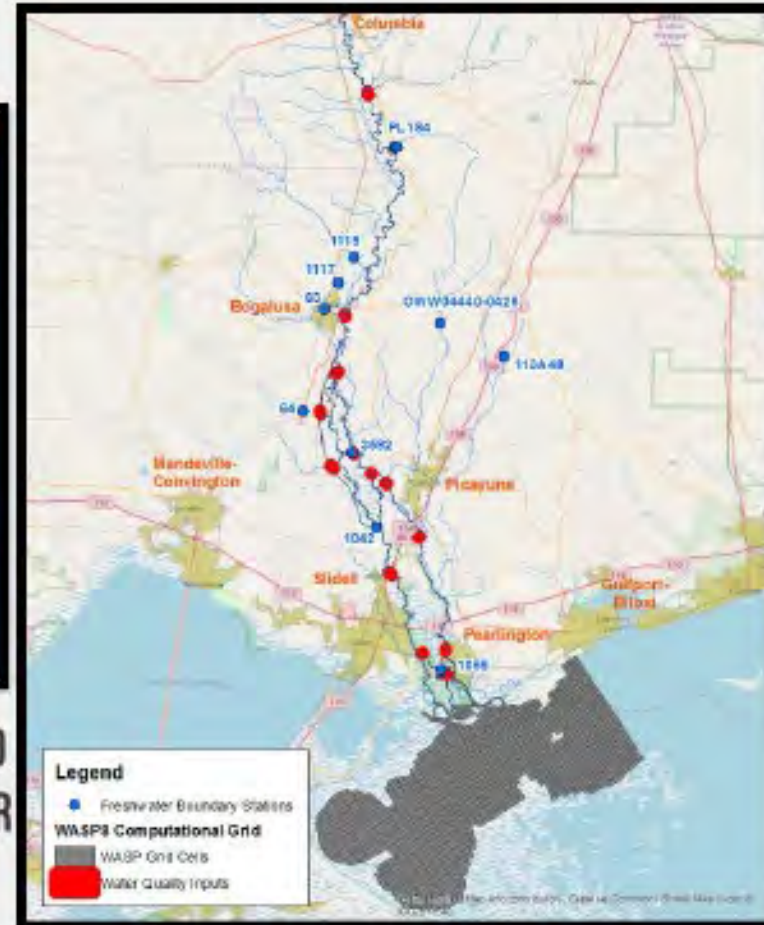
BETTER UNDERSTANDING OF FLOWS



HYDRODYNAMIC MODELLING OF WESTERN MS SOUND AND THE LOWER 65KM OF PEARL RIVER



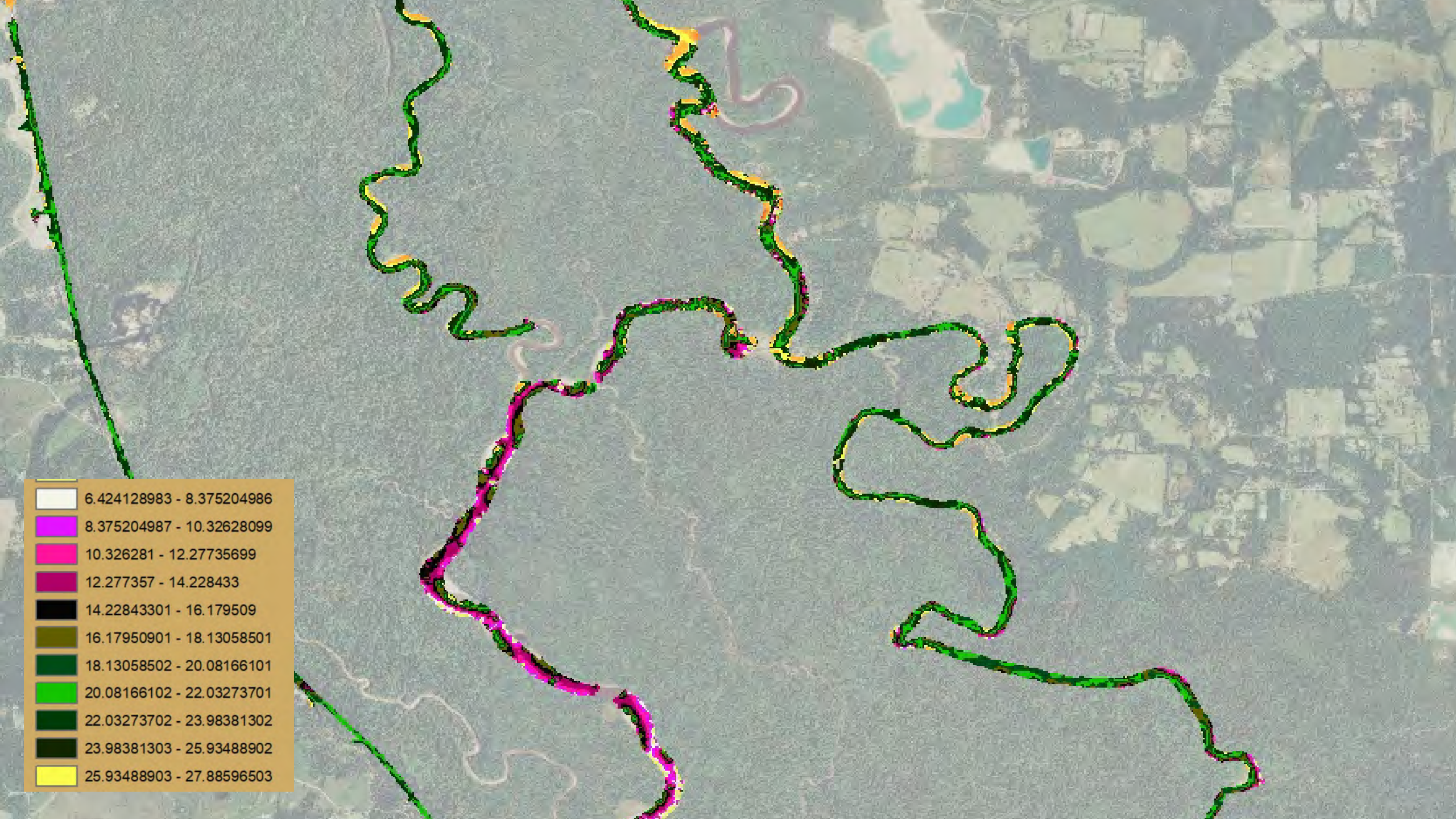
2017 RESTORATION SUMMIT



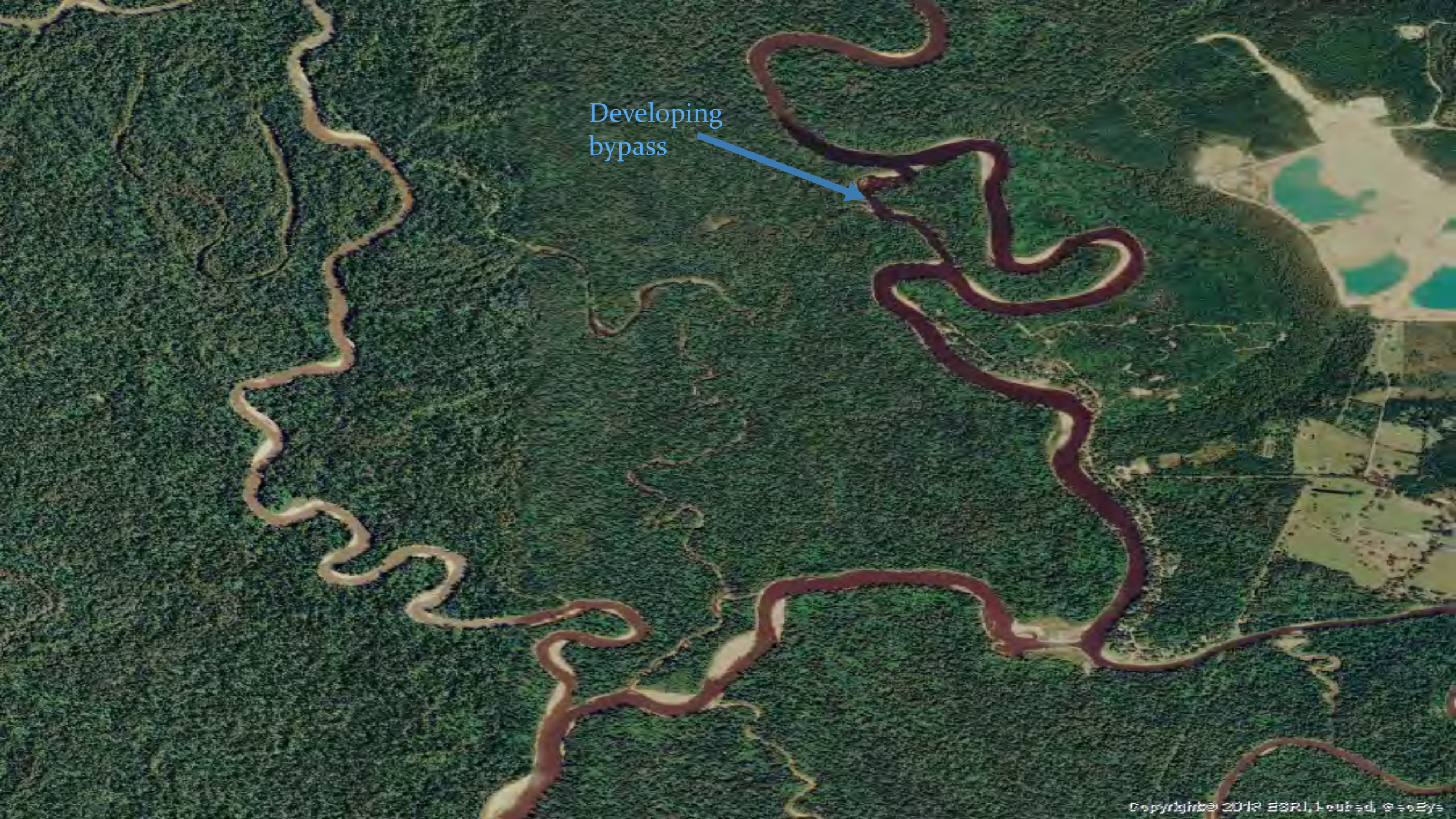
Pearl River Drainage

- Navigation
- Flood Control
- Industry
- Access
- Agriculture



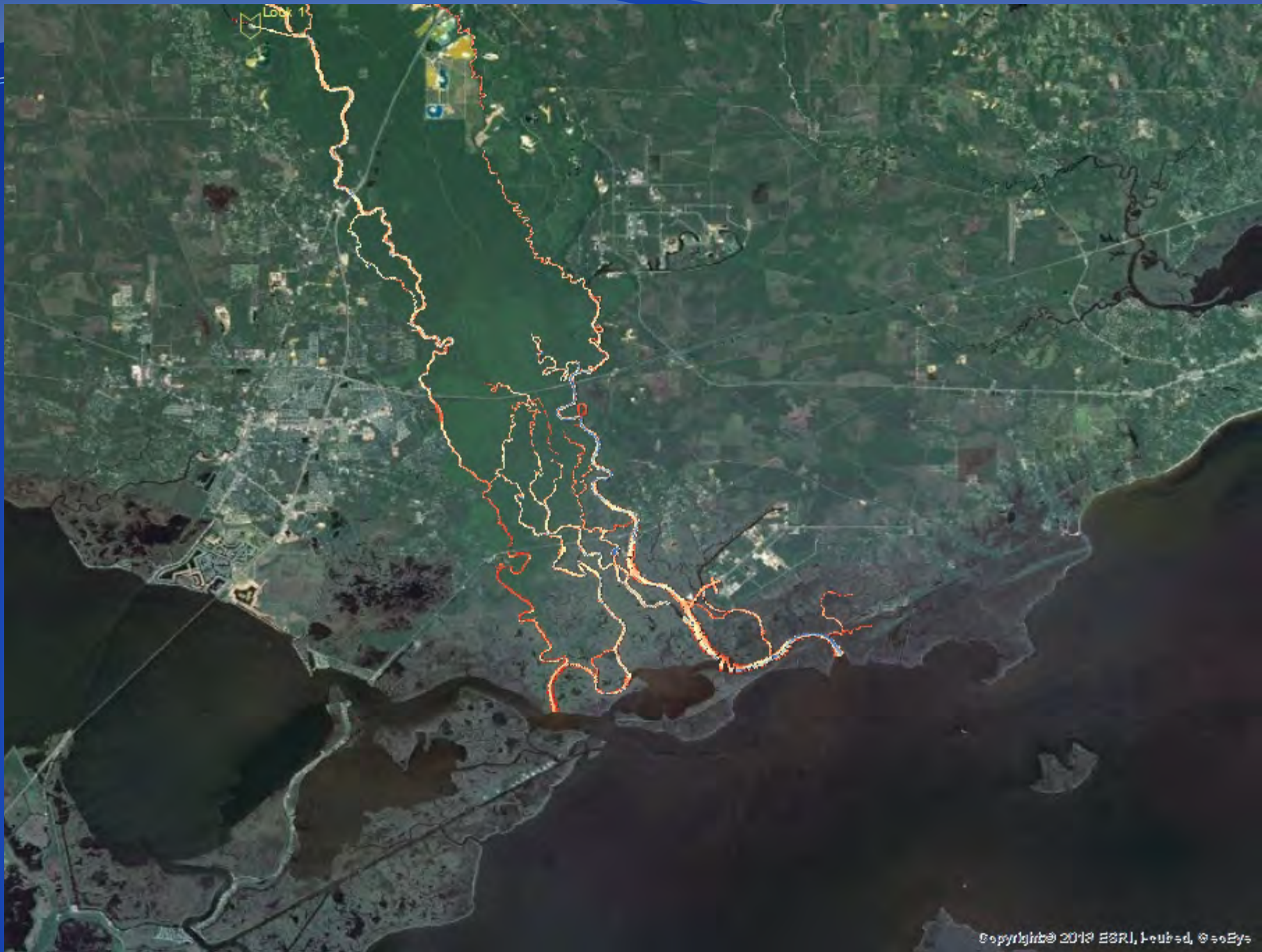


White	6.424128983 - 8.375204986
Yellow	8.375204987 - 10.32628099
Light Green	10.326281 - 12.27735699
Green	12.277357 - 14.228433
Dark Green	14.22843301 - 16.179509
Black	16.17950901 - 18.13058501
Dark Purple	18.13058502 - 20.08166101
Black	20.08166102 - 22.03273701
Black	22.03273702 - 23.98381302
Black	23.98381303 - 25.93488902
Light Yellow	25.93488903 - 27.88596503



Developing
bypass





Potential Paths Forward

- Identifying the WQ based HSI for:
 - Oysters
 - Crab
 - Brown Shrimp
 - Finfish?
- Allow the spatial HSI for each species drive the project support for the state of MS



ENHANCE ★ PROTECT ★ CONSERVE

Mississippi Department of Marine Resources

Agency Financial Results

as of December 31, 2019

Commission on Marine Resources

January 21, 2020

Key Metrics:

- State Revenue of \$4.1M
- Agency Revenue of \$19.4M
- State Net Income of \$950K
- Agency Net Income of \$6.5M

MISSISSIPPI DEPARTMENT OF MARINE RESOURCES
Income Statement - Fiscal Year 2020
As of December 31, 2019

	State	Federal : GOMESA PHII: NFWF:	Operating Subtotal	Tidelands	Total DMR
Revenue:					
Transfer in from Other Governments	-	-	-	-	-
Off-road Fuel Tax	3,050,000	-	3,050,000	-	3,050,000
Federal/NonFederal Grants	-	3,030,688	3,030,688	-	3,030,688
Sales Revenue	463,341	1,170	464,510	1,781	466,292
Indirect Cost Recovery	501,157	-	501,157	-	501,157
Other Revenue	100,535	317,323	417,858	11,970,750	12,388,608
Current Budget Year Revenue:	4,115,033	3,349,181	7,464,213	11,972,531	19,436,745
Expenditures:					
Salaries, Wages, Fringe	2,617,427	1,380,777	3,998,204	396,645	4,394,849
Travel	16,094	21,551	37,645	19,432	57,078
Contractual Services	294,386	2,598,901	2,893,287	435,862	3,329,148
Commodities	199,029	1,127,381	1,326,411	75,298	1,401,708
Other than Equipment	-	-	-	-	-
Equipment	32,708	71,514	104,222	48,832	153,053
Vehicles	-	-	-	-	-
Wireless Devices	-	-	-	-	-
Subsidies, Loans, and Grants	5,208	1,852,445	1,857,653	1,648,139	3,505,792
Current Budget Year Expenditures:	3,164,853	7,052,568	10,217,421	2,624,208	12,841,629
Current Budget Year Net Income/(Loss):	\$ 950,180	\$ (3,703,387)	\$ (2,753,208)	\$ 9,348,323	\$ 6,595,116

Financial Budget Comparison

- After six months of Fiscal Year 2020:

MISSISSIPPI DEPARTMENT OF MARINE RESOURCES
2020 Budget Comparison
As of December 31, 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	\$ 3,998,204	\$ 396,645	\$ 4,394,849	\$ 7,202,532	\$ 791,201	\$ 7,993,733	44.5%	49.9%	45.0%
Travel	37,645	19,432	57,078	131,873	15,568	147,440	71.5%	-24.8%	61.3%
Contractual Services	2,893,287	435,862	3,329,148	5,277,376	823,021	6,100,397	45.2%	47.0%	45.4%
Commodities	1,326,411	75,298	1,401,708	4,561,748	355,023	4,916,771	70.9%	78.8%	71.5%
Equipment	104,222	48,832	153,053	889,842	285,922	1,175,764	88.3%	82.9%	87.0%
Vehicles	-	-	-	45,000	12,387	57,387	100.0%	0.0%	0.0%
Wireless Devices	-	-	-	6,249	-	6,249	100.0%	0.0%	100.0%
Subsidies, Loans, and Grants	1,857,653	1,648,139	3,505,792	30,215,765	5,307,425	35,523,190	93.9%	68.9%	90.1%
Total Expenditures:	\$ 10,217,421	\$ 2,624,208	\$ 12,841,629	\$ 48,330,385	\$ 7,590,546	\$ 55,920,931	78.9%	65.4%	77.0%

- Operating Funds have 78.9% of Budget remaining
- Tidelands Trust Fund has 65.4% of Budget remaining



ENHANCE ★ PROTECT ★ CONSERVE

Mississippi Department of Marine Resources

FY2021 Tidelands Trust Fund



ENHANCE ★ PROTECT ★ CONSERVE

Tidelands FY2022 Schedule

Date	Description
May 31, 2020	Request for Proposals
July 1, 2020	Deadline for Proposals
July - Aug 2020	Compliance Review
September - October 2020	Merit Review
November 2020	Recommendations and CMR Approval of Ranked Proposals
December 2020	Legislative Forum
January 2021	Projects/Report to Legislature
April 2021	FY2020 Appropriations
November 2021	Check from SOS Office
November - December 2021	Projects Awarded



ENHANCE ★ PROTECT ★ CONSERVE

Tidelands Trust Fund

FY2021 Proposal Results

121 APPLICATIONS SUBMITTED

\$57,944,477

55 PUBLIC ACCESS

\$46,464,529

27 Submitted by Cities

\$37,706,275

16 Submitted by Counties

\$5,559,420

12 Miscellaneous

\$3,198,834

66 TIDELANDS MANAGEMENT

\$11,479,948

25 Submitted by MDMR

\$4,258,792

32 Submitted by Universities

\$6,001,581

9 Miscellaneous

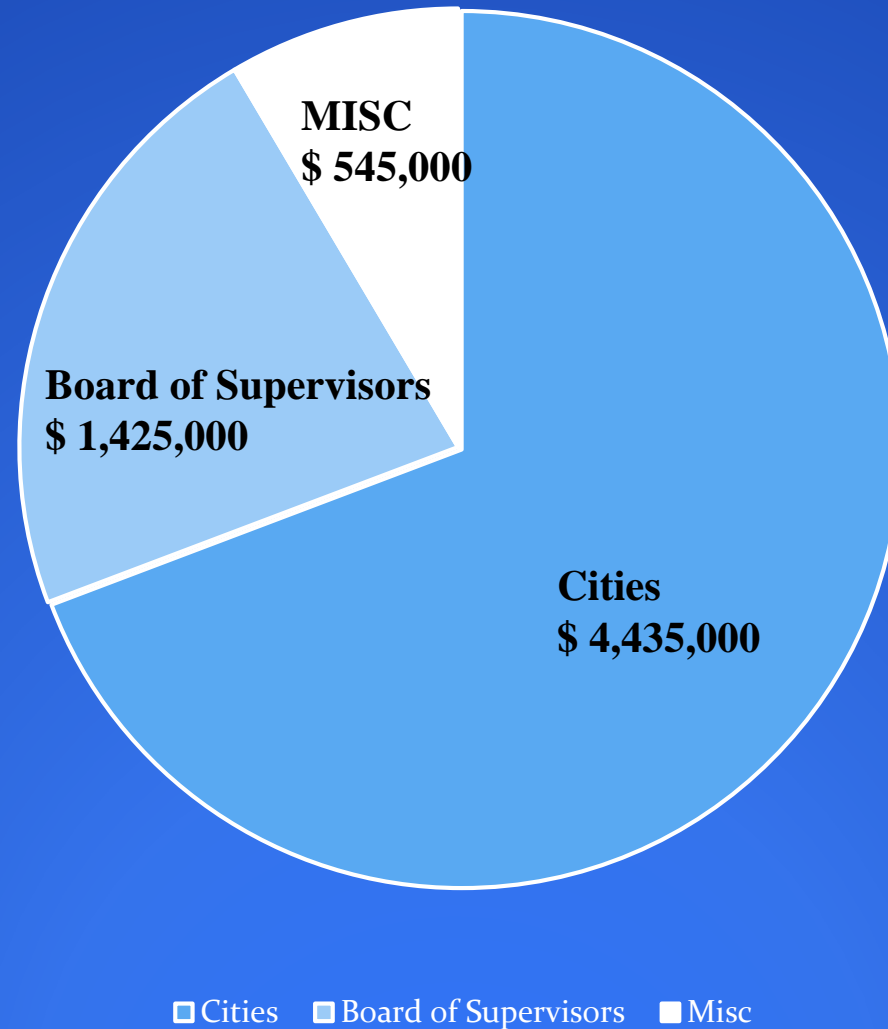
\$1,219,575

Appropriated for FY2020: \$11,000,000



Public Access Awards FY2020

ENHANCE ★ PROTECT ★ CONSERVE

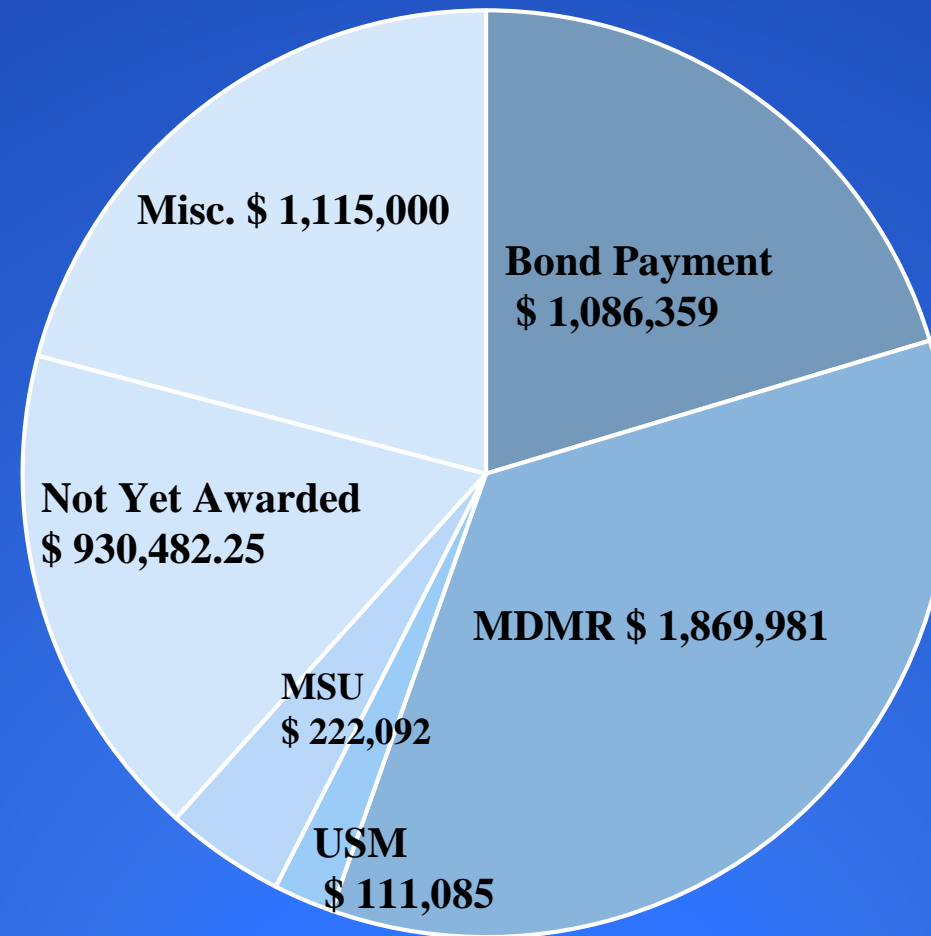


Tidelands FY2020 Public Access Awards Total \$ 6,405,000



ENHANCE ★ PROTECT ★ CONSERVE

Managed Projects Awards FY2020



■ Bond ■ MDMR ■ USM ■ MSU ■ Not Yet Awarded ■ Misc

Tidelands FY2020 Managed Projects Allocated \$3,508,641



ENHANCE ★ PROTECT ★ CONSERVE

Title 22 Part 7: Commercial Tarpon Regulations Final Adoption

Joe Jewell
January 21, 2020

K.1.

Background

- At the September 17, 2019 CMR meeting, the following motion was passed:
 - **Motion:** To proceed with a Notice of Intent for regulatory changes to Title 22 Part 7 Chapter 9 to add Paragraph 114 prohibiting the harvest or possession of an Atlantic Tarpon for commercial purposes.
- At the October 15, 2019 CMR meeting this item was removed from the agenda.
- November 19, 2019 CMR meeting the Commission passed motion to withdraw the previously approved commercial Tarpon NOI. Tabled issue and requested staff to discuss further.
- At the December 17, 2019 CMR meeting, the following motion was passed:
 - To proceed with a Notice of Intent for regulatory changes to Title 22 Part 7 Chapter 9 regarding commercial rules for Atlantic Tarpon (*Megalops atlanticus*) within Mississippi waters.

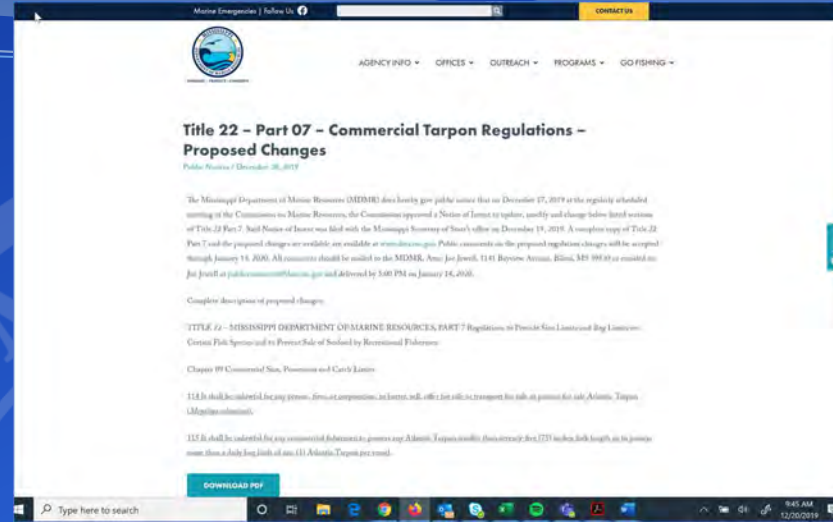
CMR Passed Notice of Intent on December 17, 2019

Notice of Intent filed with the SOS on December 19, 2019

December 20, 2019

MDMR Web Page Notice

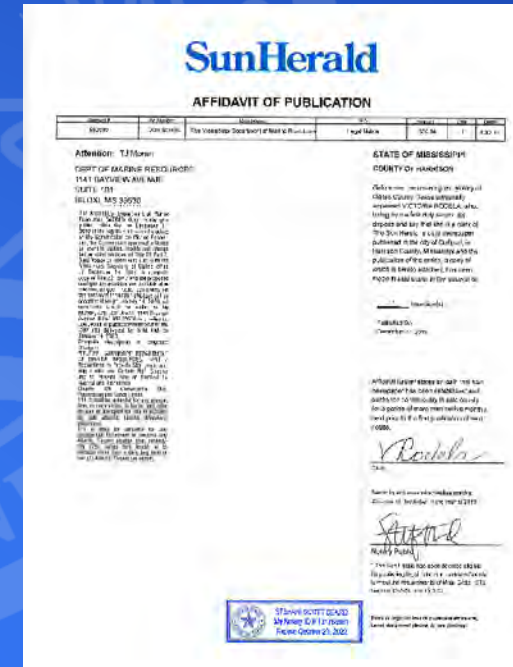
Legal Notice Appeared in the Sun Herald on December 22, 2019.



MDMR Web Notice



SOS NOI Notice



Sun Herald Notice

Public Comments on Title 22 Part 7 NOI

- Public comment period: December 19, 2019 through January 13, – 26 Days.
- No public comments were received.

Title 22 Part 7 Chapter 9

Chapter 9 Commercial Size, Possession and Catch Limits

114 It shall be unlawful for any person, firm, or corporation, to barter, sell, offer for sale or transport for sale or possess for sale Atlantic Tarpon (*Megalops atlanticus*).

115 It shall be unlawful for any commercial fishermen to possess any Atlantic Tarpon smaller than seventy-five (75) inches fork length or to possess more than a daily bag limit of one (1) Atlantic Tarpon per vessel.

Required:

A motion to proceed with Final Adoption for regulatory changes to Title 22 Part 7 Chapter 9 regarding commercial rules for Atlantic Tarpon (*Megalops atlanticus*).



ENHANCE ★ PROTECT ★ CONSERVE

State Saltwater Finfish Records

Matt Hill
January 21, 2020

K.2.

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 fish jumping out of the water.

Youth Division: Conventional Tackle

ENHANCE ★ PROTECT ★ CONSERVE

Youth Saltwater Fishing Record

★ **Knobbed Porgy** ★

Calamus nodosus

New Record: 1 lb. 4.8 oz.

Angler: Blake Bosarge

*Also qualifies as All Tackle and Conventional Tackle Record

ENHANCE ★ PROTECT ★ CONSERVE



ENHANCE ★ PROTECT ★ CONSERVE



ENHANCE ★ PROTECT ★ CONSERVE

Youth Saltwater Fishing Record

Spanish Flag

Gonioplectrus hispanus

New Record: 10.98 oz.

Angler: Blake Bosarge

*Also qualifies as All Tackle and Conventional Tackle Record

ENHANCE ★ PROTECT ★ CONSERVE



ENHANCE ★ PROTECT ★ CONSERVE



ENHANCE ★ PROTECT ★ CONSERVE

Youth Saltwater Fishing Record

Vermilion Snapper

Rhomboplites aurorubens

New Record: 2 lbs. 9.0 oz.

Angler: Blake Bosarge



ENHANCE ★ PROTECT ★ CONSERVE



ENHANCE ★ PROTECT ★ CONSERVE

Required:

Motion to Adopt New State Records

ENHANCE ★ PROTECT ★ CONSERVE



TruSportsman



Neil Gryder

12/19/2019



Louisiana



Salt w

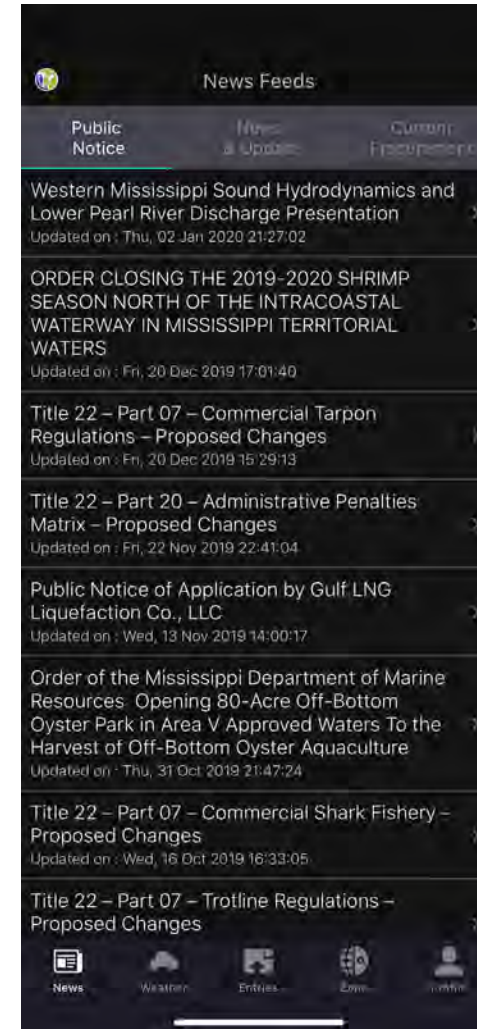


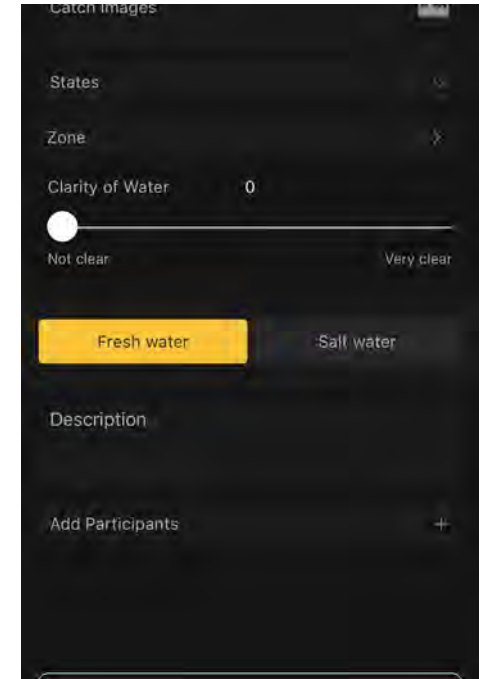
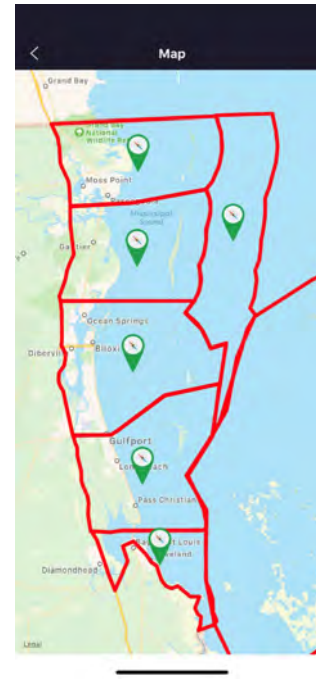
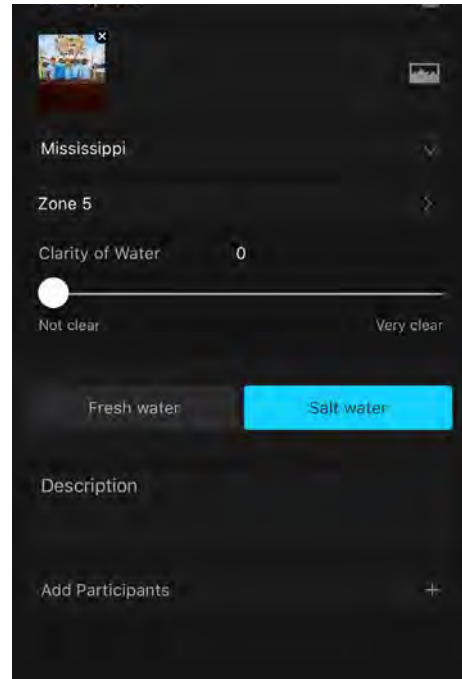
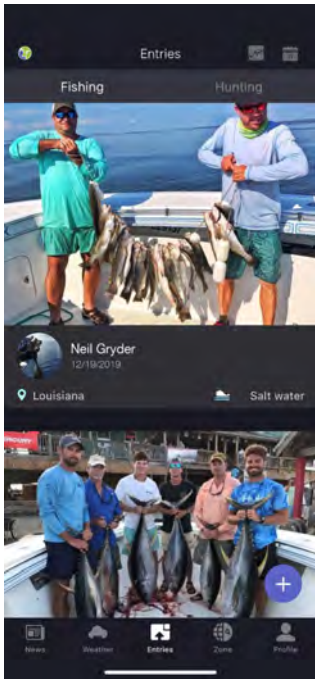
All in ONE Platform

- ▶ Data Collection on recreational harvest and discard catches
- ▶ Real-time Rule & Regulation changes from Gov. Agencies
 - ▶ Ability to search all states rules/regs
- ▶ Weather API for forecast/entry logging
- ▶ Local
 - ▶ Search for fuel dock/marinas
- ▶ Multi-state License sale
 - ▶ Proof of purchase with user ID number
 - ▶ Renewal program
- ▶ Safety features for users
 - ▶ Distress
 - ▶ Tracking system
- ▶ Better survey access

News

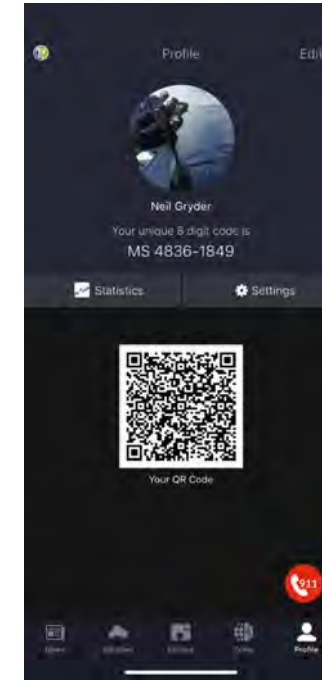
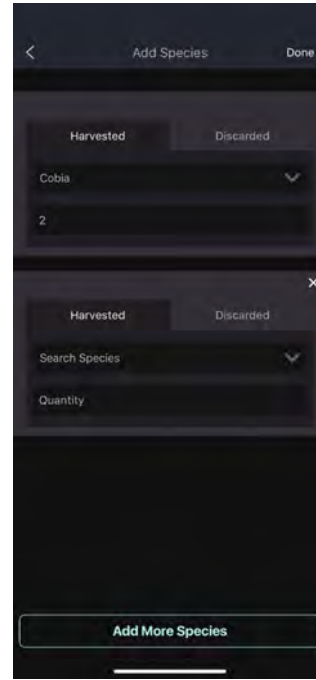
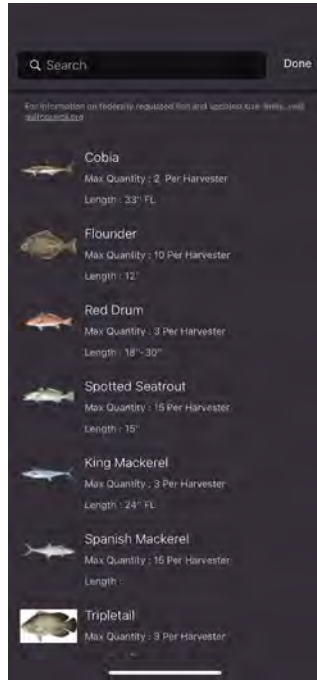
- ▶ Directly connected to TruSportsman
- ▶ Have all commission meetings & events being put on
- ▶ Season closure





Entries

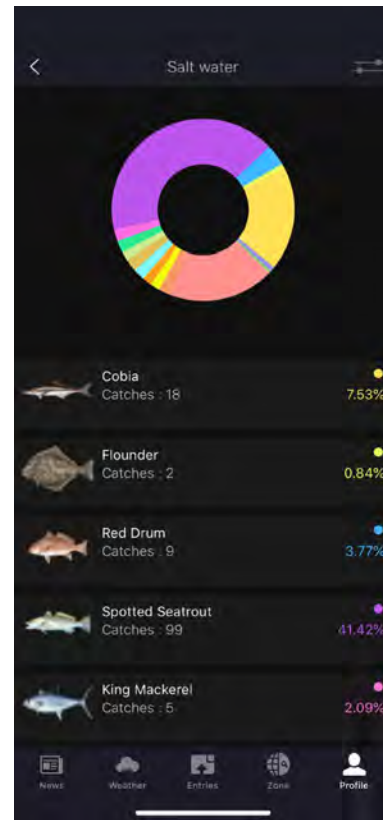
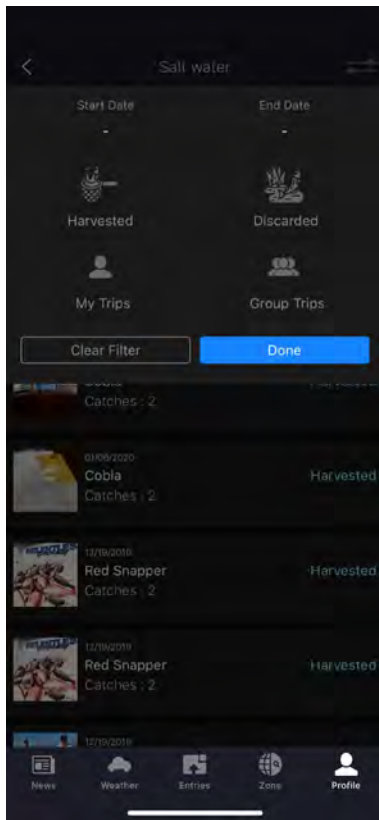
- ▶ Auto date/time
- ▶ Picture of total catch
 - ▶ Measuring tool
- ▶ State zones separated
- ▶ Water clarity



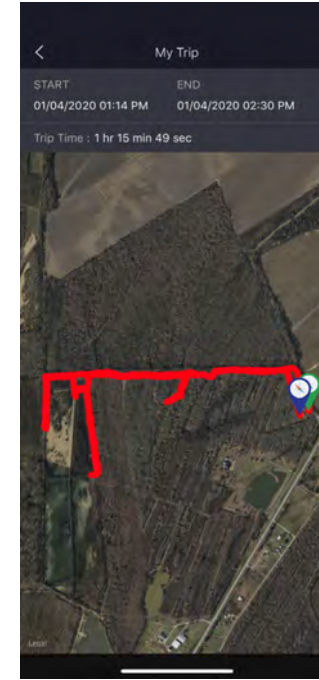
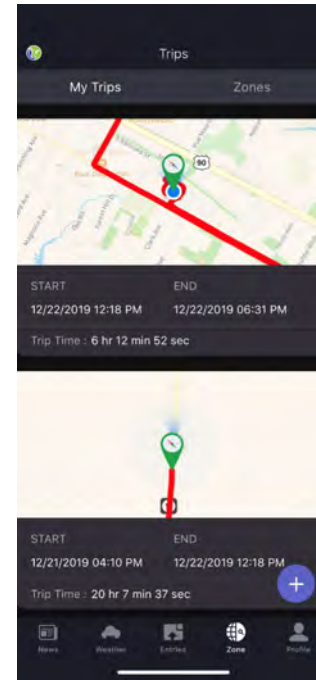
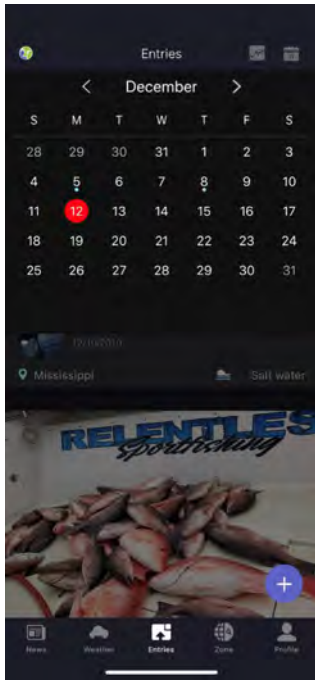
Species Entry

- ▶ Species search
- ▶ Quantity of each species
- ▶ Harvest/Discard separation
- ▶ Multi-Person/Multi-Day Entries
 - ▶ Bar-code participation additions
 - ▶ Statistics go to each user
 - ▶ Available to search "multi's" separate from single person entries

Statistics



- ▶ Track all harvest & discard catches
- ▶ Zones participated
- ▶ Weather recorded with each entry
- ▶ Picture records

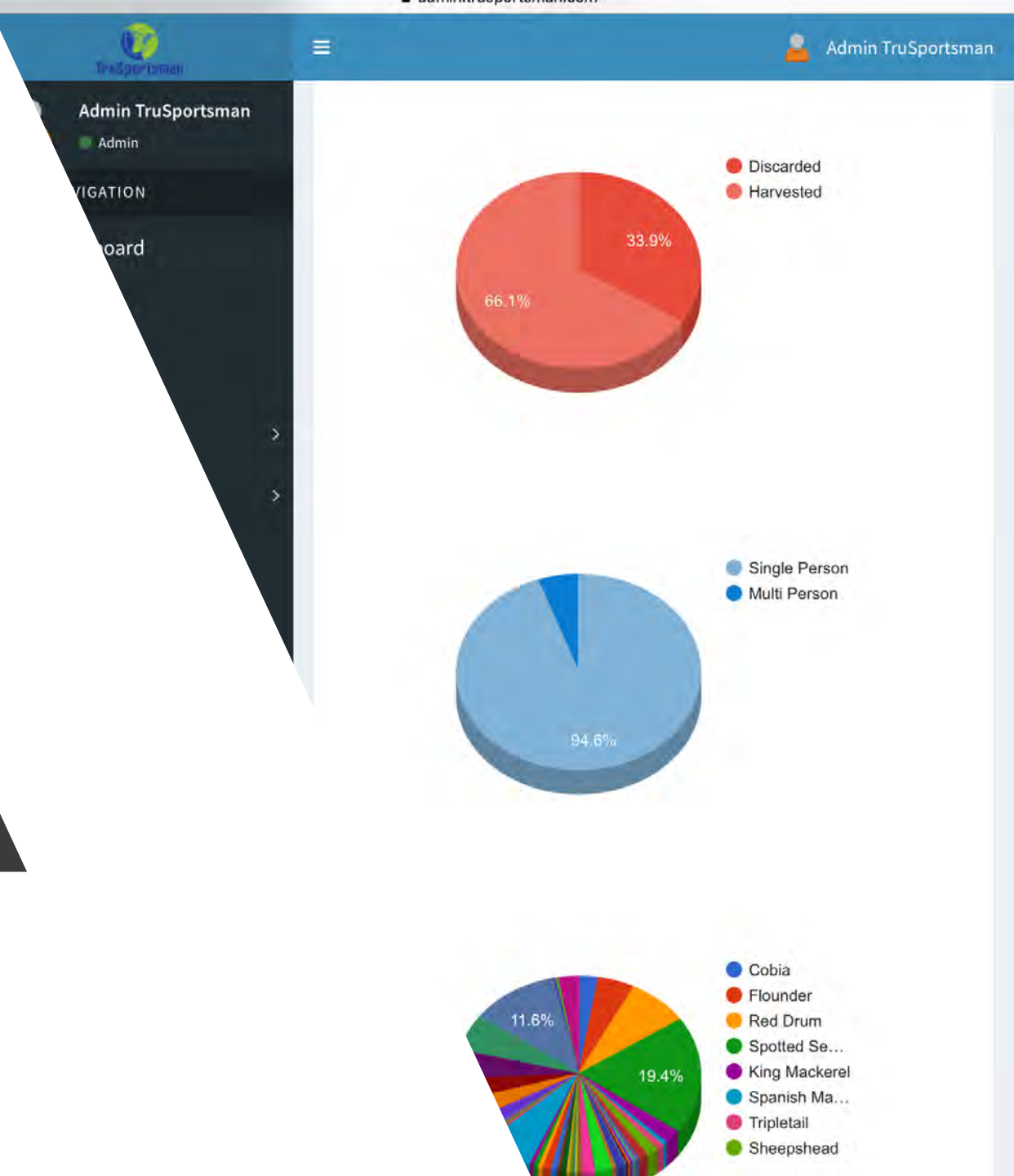


Additions

Entry calendar, weather & zone record statistics, GPS tracking

Admin Panel

- ▶ User Statistics
- ▶ Species Statistics
- ▶ Zone Statistics
- ▶ Season Statistics



User Search

- ▶ Law Enforcement access by bar-code
- ▶ License validation
- ▶ Statistics access
- ▶ Violation history



TruSportsman



ENHANCE ★ PROTECT ★ CONSERVE

CMR Meeting

Added or Modified Motions

January 21, 2020

Agenda Item: E.1.

Motion: Give Executive Director the authority to establish start date for 2020 snapper season and brief the Commission at the February monthly meeting.