

CWPPRA

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT TASK FORCE MEETING

AGENDA

October 3, 2024, 9:30 a.m.

Location:

U.S. Army Corps of Engineers (DARM)
7400 Leake Ave.
New Orleans, LA

Virtual Component:

<https://usace1.webex.com/meet/terri.m.vonhoven>

Meeting Number: 2761 432 2324

Documentation of Task Force meetings (including minutes, attendance records, PowerPoint Presentations, and meeting binders) may be found at:

<http://www.mvn.usace.army.mil/Missions/Environmental/CWPPRA.aspx>

Tab Number

Agenda Item

1. **Meeting Initiation 9:30 a.m. to 9:40 a.m.**
 - a. Introduction of Task Force or Alternates
 - b. Opening remarks of Task Force Members
 - c. Request for Agenda Changes/Additional Agenda Items/Adoption of Agenda
2. **Decision: Adoption of Minutes for the May 2, 2024 Task Force Meeting (Jennifer Vititoe, USACE) 9:40 a.m. to 9:45 a.m.** Ms. Jennifer Vititoe will present the minutes from the last Task Force meeting. Task Force members may provide suggestions for additional information to be included in the official minutes.
3. **Report: Electronic Vote (Jennifer Vititoe, USACE) 9:45 a.m. to 9:55 a.m.** USACE will report out on recent electronic votes and approvals.
4. **Report: Status of CWPPRA Program Funds and Projects (Jernice Cheavis, USACE) 9:55 a.m. to 10:10 a.m.** Ms. Jernice Cheavis will provide an overview of the status of CWPPRA accounts and available funding in the Planning and Construction Programs.
5. **Report: Construction Update (Jennifer Vititoe, USACE) 10:10 a.m. to 10:30 a.m.** The CWPPRA agencies will provide a report on projects that are currently under construction and projects that have recently completed construction.

- 6. Report: Outreach Committee Report (Lauren Leonpacher, USGS) 10:30 a.m. to 10:45 a.m.** The Outreach Coordinator will provide the Outreach Committee report.
- 7. Report: Coastwide Reference Monitoring System (Leigh Anne Sharp, CPRA) 10:45 a.m. to 11:00 a.m.** Ms. Leigh Anne Sharp will present a report on CRMS.
- 8. Report: Coastwide Nutria Control Program – Annual Report (Jennifer Manuel, LDWF) 11:00 a.m. to 11:15 a.m.** The Louisiana Department of Wildlife and Fisheries will present an annual report on the Coastwide Nutria Control Program (LA-03b).
- 9. Report: Status of Unconstructed Projects (Jennifer Vititoe, USACE) 11:15 a.m. to 11:25 a.m.** The P&E Subcommittee will report on the status of unconstructed CWPPRA projects. There were eight projects that were considered for “critical watch”.
- 10. Decision: Request for Project Scope Change for TE-171 Port Fourchon Marsh Creation Project (Dr. Patty Taylor, EPA) 11:25 a.m. to 11:35 a.m.** The Task Force will consider the Technical Committee’s recommendation of the request by EPA and CPRA for a change in scope for the Port Fourchon Marsh Creation (TE-0171) Project. A scope change is required due to an increase in total project cost by more than 25%, and the ratio of the total cost to the number of net acres benefited by more than 25% from the Phase 0 approved project.
- 11. Decision: Request for Project Scope Change for the Breton West Landbridge Marsh Creation (West) River aux Chenes to Grand Lake (BS-38) project (January Murray, NMFS) 11:35 a.m. to 11:45 a.m.** The Task Force will consider the Technical Committee’s recommendation of the request by NMFS and CPRA for a change in scope for the Breton Landbridge Marsh Creation (West) River aux Chenes to Grand Lake (BS-38) Project. A scope change is required due to a reduction in the project’s acreage, which reduces the project’s cost effectiveness by more than 2%. Marsh creation area alignments significantly changed from the Phase 2 authorized footprint due to deeper water depths found within the project area, while the costs of the base remains within the Phase 2 approved authorization
- 12. Decision: Request for Final Deauthorization of TE-157 East Catfish Lake Marsh Creation and Shoreline Protection (Kevin Roy, FWS). 11:45 a.m. to 11:50 a.m.** The Task Force will consider the Technical Committee’s recommendation of the request by FWS and CPRA for final deauthorization of the TE-157 East Catfish Lake Marsh Creation and Shoreline Protection Project. Initial deauthorization was approved by the Task Force in October 2023. All steps for deauthorization, as per the CWPPRA SOP, have been completed.
- 13. Decision: Request for a Monitoring Budget Increase for PO-33 Goose Point/Point Platte Marsh Creation. (Bryan Gossman, CPRA). 11:50 a.m. to 11:55 a.m.** The Task Force will consider the Technical Committee’s recommendation of the request by FWS and CPRA for a \$117,725 Monitoring budget increase to fund remaining monitoring administration, a final land-water analysis, and final OM&M report.

- 14. Decision: Request for a Monitoring Budget Increase for TV-21 East Marsh Island Marsh Creation (Mark Mouledous, CPRA). 11:55 a.m. to 12:00 p.m.** The Task Force will consider the Technical Committee's recommendation of the request by NRCS and CPRA for a \$199,293 Monitoring budget increase to complete the remaining planned monitoring activities which include data collection and reporting.
- 15. Decision: Request for a Transfer of Approved Monitoring to Approved O&M for the (BS-03a) Caernarvon Diversion Outfall Management Project (Angela Trahan, NRCS). 12:00 p.m. to 12:05 p.m.** The Task Force will consider the Technical Committee's recommendation of the request by NRCS and CPRA for a transfer of \$53,716.16 from approved monitoring to approved O&M to finalize engineering and design for the final O&M close out event. NRCS and CPRA will seek approval of project closeout with a cost increase to execute the final maintenance event at a later date.
- 16. Decision: Request for Funding for the CWPPRA Program's Technical Services (Cole Ruckstuhl, USGS) 12:05 p.m. to 12:10 p.m.** The U.S. Geological Survey (USGS) and CPRA are requesting funding for technical services for the CWPPRA program in the amount of \$275,716. The Task Force will consider the Technical Committee's recommendation and vote to approve the request for a budget increase and funding for technical services in the amount of \$275,716.
- 17. Decision: Annual Request for Incremental Funding for FY27 Administrative Costs for Cash Flow Projects (Jernice Cheavis, USACE) 12:10 p.m. to 12:15 p.m.** The U.S. Army Corps of Engineers will request funding approval in the amount of \$190,457 for administrative costs for cash flow projects beyond Increment 1. The Task Force will consider the Technical Committee's recommendation and vote to approve the request for funding.
- 18. Decision: Request to revise the language of the 15 November 2023 Task Force electronic vote to approve to fund the 2024 Report to Congress in the amount of \$95,000. (Jernice Cheavis, USACE) 12:15 p.m. to 12:20 p.m.** The Task Force will consider the Technical Committee's recommendation to revise the language of the 15 November 2023 Task Force electronic vote to fund the 2024 Report to Congress. This revision is needed to ensure the voting language cites Planning Funds as the funding source for this effort and to document the increase to the overall FY24 Planning and Outreach Budget.
- 19. Decision: Request for Operations and Maintenance (O&M) Incremental Funding. (Brandon Champagne, CPRA) 12:20 p.m. to 12:35 p.m.** The Task Force will consider the Technical Committee's recommendation for approval of requests for FY27 O&M incremental funding in the total amount of \$4,869,200.72.
- a. PPL9+ Projects requesting approval for FY27 O&M incremental funding in the total amount of \$4,512,483.72 for the following projects:

- Cameron-Creole Freshwater Introduction (CS-49)
Incremental Funding Request: \$63,526.00
- Cameron-Creole Grand Bayou Marsh Creation (CS-54)
Incremental Funding Request: \$8,821.00
- Cameron Meadows Marsh Creation (CS-66)
Incremental Funding Request: \$5,106.00
- Rockefeller Refuge Shoreline Protection with LA-08 (ME-18)
Incremental Funding Request: \$129,498.00
- Grand-White Lake Landbridge Restoration (ME-19)
Incremental Funding Request: \$639,965.00
- South Grand Chenier Marsh Creation (ME-20)
Incremental Funding Request: \$35,153.00
- South White Lake Shoreline Protection (ME-22)
Incremental Funding Request: \$12,485.00
- Cole's Bayou Marsh Creation (TV-63)
Incremental Funding Request: \$15,707.00
- Little Lake Shoreline Protection and Marsh Creation (BA-37)
Incremental Funding Request (Federal S&A): \$4,466.00
- West Belle Pass Headland Restoration (TE-52)
Incremental Funding Request (Federal S&A): \$3,948.00
- Bayou Decade Ridge Restoration (TE-138)
Incremental Funding Request (Federal S&A): \$5,273.00
- Bayou Dupont Marsh and Ridge Restoration (BA-48)
Incremental Funding Request: \$4,119.82
- Grand Liard Marsh and Ridge Restoration (BA-68)
Incremental Funding Request: \$3,967.79
- Bayou Dupont Sediment Delivery-Marsh Creation 3 (BA-164)
Incremental Funding Request: \$25,932.00
- Pass Chaland to Grand Bayou Pass Barrier Shoreline Restoration (BA-35)
Incremental Funding Request: \$3,161.00
- Pelican Island and Pass La Mer to Chaland Pass Restoration (BA-38)
Incremental Funding Request: \$6,705.11
- Bayou Bonfouca Marsh Creation (PO-104)
Incremental Funding Request: \$175,430.00
- Northwest Turtle Bay Marsh Creation (BA-125)
Incremental Funding Request: \$40,216.00
- Coastwide Nutria Control Program (LA-03b)
Incremental Funding Request: \$2,864,259.00
- Coastwide Vegetative Planting (LA-39)
Incremental Funding Request: \$2,784.00
- CWPPRA Nav Aids and Signage (LA-0328)

Incremental Funding Request: \$461,961.00

b. PPL1-8 Projects requesting approval for FY27 O&M incremental funding in the total amount of \$356,717 for the following projects:

- Cameron Creole Maintenance (CS-04a)
Incremental Funding Request: \$300,646.00
- Sabine Refuge Marsh Creation Cycles 4 & 5 (CS-28-4-5)
Incremental Funding Request: \$8,152.00
- Delta Wide Crevasses (MR-0009)
Incremental Funding Request: \$47,919

20. Decision: Request for Monitoring Incremental Funding (Brandon Champagne, CPRA) 12:35 p.m. to 12:45 p.m. The Task Force will consider the Technical Committee's recommendation for approval of FY27 incremental funding in the total amount of of \$11,685,853 and Monitoring budget increases in the amount of \$317,018.

a. PPL9+ Projects requesting approval for FY27 Monitoring incremental funding in the total amount of \$1,425,474 and Monitoring budget increases in the total amount of \$317,018 for the following projects:

- Coastwide Vegetative Planting (LA-39)
Incremental Funding Request: \$93,664.00
- Black Bayou Culverts Hydrologic Restoration (CS-29)
Incremental Funding Request: \$44,155.00
- East Marsh Island Marsh Creation (TV-21)
Incremental Funding Request: \$135,529.00
Budget Increase Request: \$199,293.00
- Cameron-Creole Freshwater Introduction (CS-49)
Incremental Funding Request: \$33,427.00
- Cameron-Creole Watershed Grand Bayou Marsh Creation (CS-54)
Incremental Funding Request: \$99,655.00
- Cameron Meadows Marsh Creation and Terracing (CS-66)
Incremental Funding Request: \$85,102.00
- Cole's Bayou Marsh Creation (TV-63)
Incremental Funding Request: \$23,170.00
- South Grand Chenier Marsh Creation (ME-20)
Incremental Funding Request: \$126,812.00
- Rockefeller Refuge Gulf Shoreline Stabilization (ME-18)
Incremental Funding Request: \$84,674.00
- Northwest Turtle Bay Marsh Creation (BA-125)
Incremental Funding Request: \$52,520.00
- Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)

Incremental Funding Request: \$10,661.00

- Hydrologic Restoration and Vegetative Planting in the Lac des Allemands Swamp (BA-34-2)

Incremental Funding Request: \$72,252.00

- Lake Hermitage Marsh Creation (BA-42)

Incremental Funding Request: \$6,168.00

- Bayou Dupont Marsh and Ridge Creation (BA-48)

Incremental Funding Request: \$3,903.00

- Bayou Dupont Sediment Delivery- Marsh Creation and Terracing #3 (BA-164)

Incremental Funding Request: \$19,101

- South Lake Lery Marsh Creation and Shoreline Protection (BS-16)

Incremental Funding Request: \$32,007

- Pass Chalard To Grand Bayou Pass Barrier Shoreline (BA-35)

Incremental Funding Request: \$137,874.00

- Pelican Island and Pass la Mer to Chalard Pass (BA-0038)

Incremental Funding Request: \$178,343.00

- Goose Point/Point Platte Marsh Creation (PO-33)

Incremental Funding Request: \$54,829.00

Budget Increase Request: \$117,725.00

- Coastwide Nutria Control Program (LA-03b)

Incremental Funding Request: \$131,628

- b. PPL1-8 Projects requesting approval for FY27 Monitoring incremental funding in the total amount of \$260,379 for the following projects

- Cameron Creole Maintenance (CS-04a)

Incremental Funding Request: \$202,705.00

- Replace Sabine Refuge Water Control Structures at Headquarters Canal, West Cove Canal, and Hog Island Gully (CS-23)

Incremental Funding Request: \$48,243.00

- Delta Wide Crevasses (MR-09)

Incremental Funding Request: \$9,431.00

- c. Coastwide Reference Monitoring System (CRMS) requesting approval for FY27 incremental funding in the total amount of \$10,000,000.00

- Coastwide Reference Monitoring System (LA-30)

Incremental Funding Request: \$10,000,000

21. Report: Priority Project List 34, Projects for Consideration (Jennifer Vititoe, USACE) 12:45 p.m. to 12:50 p.m. Per the PPL34 process, the Technical Committee selects up to ten projects for consideration. Because of landowner issues impacting access, project evaluation, and the ability to conduct engineering and design activities in

Phase 1, two candidate projects have been removed from consideration. Southeast Lafitte Marsh Creation and West Dupre Cut Marsh Creation were removed from consideration as PPL 34 candidates.

22. Additional Agenda Items (Jennifer Vititoe, USACE) 12:50 p.m. to 12:50 p.m.

23. Request for Public Comments (Jennifer Vititoe, USACE) 12:50 p.m. to 1:00 p.m.

24. Announcement: Dates of Upcoming CWPPRA Meeting (Jennifer Vititoe, USACE) 1:00 p.m. to 1:00 p.m. The Technical Committee Meeting will be held on December 12, 2024 at 9:30 a.m.

25. Announcement: Scheduled Dates of Future Program Meetings (Jennifer Vititoe, USACE) 1:00 p.m. to 1:00 p.m.

December 12, 2024	9:30 a.m.	Technical Committee	New Orleans
January 23, 2025	9:30 a.m.	Task Force	Lafayette

*Dates are subject to change. Please check back with lacoast.gov for the latest calendar.

26. Decision: Adjourn

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

MEETING INITIATION

- a. Introduction of Task Force or Alternates
- b. Opening remarks of Task Force Members
- c. Request for Agenda Changes/Additional Agenda Items/Adoption of Agenda

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

ADOPTION OF MINUTES FOR THE MAY 2, 2024 TASK FORCE MEETING

For Decision:

Ms. Jennifer Vititoe will present the minutes from the last Task Force meeting. Task Force members may provide suggestions for additional information to be included in the official minutes.

BREAUX ACT
Coastal Wetlands Planning, Protection and Restoration Act
TASK FORCE MEETING
2 May 2024
Minutes

I. INTRODUCTION

Colonel Cullen Jones convened the 111th meeting of the Louisiana Coastal Wetlands Conservation and Restoration Task Force. The meeting began at 9:30 a.m. on May 2, 2024 and was conducted in the Oliver Pollock Room of the Louisiana Department of Environmental Quality Galvez Building, 602 North Fifth Street, Baton Rouge, LA and via WebEx virtual meeting platform. The agenda is shown as Enclosure 1. The Task Force was created by the Coastal Wetlands Planning, Protection and Restoration Act (CWPPRA, commonly known as the Breaux Act), which was signed into law (PL 101-646, Title III) by President George Bush on November 29, 1990.

II. ATTENDEES

The attendance record for the Task Force Meeting is presented as Enclosure 2. The Task Force members introduced themselves as follows:

Col. Cullen Jones (USACE), Chairperson
Mr. Britt Paul (NRCS, for the U.S. Department of Agriculture)
Mr. Troy Hill (EPA, Region 6)
Mr. Patrick Williams serving for. Leslie Craig (NOAA Fisheries Service, for the U.S. Department of Commerce)
Mr. Bren Haase (CPRA, for the State of Louisiana)
Mr. Jeffrey Weller (USFWS, for the U.S. Department of Interior) sitting in for Jeffrey Weller

III. OPENING REMARKS

Colonel Jones introduced himself as the (65th) Commander of the USACE – New Orleans District, serving as chairperson of the CWPPRA Task Force. Col. Jones expressed his appreciation for and formally welcomed all in attendance. He then invited Task Force members to introduce themselves; they did so in turn. Task Force attending members are listed above. Colonel Jones thanked those who were able to enjoy the Coastal Celebration of the LaBranche Marsh Creation Project at the Bonnet Carre Spillway. He proceeded to commend the cooperation and collaboration between the five federal agencies and the state that make coastal restoration, protection, and ecosystem restoration possible. Colonel Jones then recognized Ms. Kaitlyn Richard for her decade of contributions to CWPPRA as Project Manager and then the Program Manager. He also acknowledged the contributions of the nearly three-decade contributions of Mr. Erick Swenson and Dr. Lawrence Rouse efforts on the Academic Advisory Group.

IV. AGENDA and MINUTES

Colonel Jones asked if the Task Force had any changes to make to the agenda; none were proffered.

Col. Jones called for a motion to adopt the agenda as presented. Mr. Haase made the motion, which Mr. Hill seconded; the motion carried without opposition.

Colonel Jones reported the procedure for public comment within this hybrid meeting format, for those in person and attending virtually. Col. Jones also asked those attending in person to sign in for the record.

Colonel Jones called on Ms. Amanda Landry, USACE, to present minutes of the 25 January 2024 Task Force meeting. Ms. Landry stated that the minutes had been sent to Task Force members previously for comment and approval; edits have been incorporated and the final draft of the minutes is provided in the Task Force binders. In lieu of reading them, she asks that the Task Force consider approving them as submitted.

Colonel Jones opened the floor for comment from the Task Force and none were proffered.

Col. Jones called for a motion to accept the minutes as presented. Mr. Williams made the motion, which Mr. Paul seconded; the motion carried without opposition.

V. TASK FORCE DECISIONS

Agenda Item #8 – Report/Decision: Upcoming 20-Year Life Projects

Ms. Amanda Landry, USACE, provided a brief reminder that annually, the Planning and Evaluation subcommittee meets to determine a path forward for all projects reaching their 15-20-year project life. As a result of that meeting on March 8, 2024, seven projects are hereby being recommended for a specific path forward for a project closeout with no additional cost increase:

- a. Projects requesting approval for closeout with no cost increase:

TE-37	New Cut Dune and Marsh Restoration	EPA	30 Sept 28
TE-40	Timbalier Island Dune & Marsh Restoration	EPA	19 Mar 29
TE-50	Whiskey Island Back Barrier Marsh Creation	EPA	18 June 30
PO-16	Bayou Sauvage Hydrologic Restoration #1	FWS	30 May 24
PO-18	Bayou Sauvage #2	FWS	28 May 24
BA-35	Pass Chaland to Grand Bayou Pass Barrier Shoreline Restoration Project	NMFS	25-Aug-29
BA-27d	Barataria Basin Landbridge Shoreline Protection, Phase 4	NRCS	26 April 26

There are three EPA projects seeking closeout with no cost increase, and in fact, will be returning any remaining monitoring funds. The first is TE-37, New Cut Dune and Marsh

Restoration Project that features 8,000 linear feet of barrier island and over 17,000 linear feet of sand fencing. The Terrebonne Parish project also included plantings of nine species of native barrier island vegetation. The project reaches its 20-year life 30 September 2028. The second EPA project is the TE-40 Timbalier Island Dune and Marsh Restoration Project that features 2.2 miles of beach rim and dune system, 22,750 linear feet of sand fencing and installation of 110,000 containers of eight species of plants. The project reaches its 20-year life 19 March 2029. The third EPA project is the Whiskey Island Back Barrier Marsh Creation TE-50 Project that features 319 acres of back barrier intertidal marsh habitat, 5,865 linear feet of tidal creeks, three 1-acre tidal ponds, and 13,000 linear feet of protective sand dune all while nourishing 95 acres. The project reaches its 20-year life 18 June 30.

Two FWS projects are also seeking closeout with no cost increase, the Bayou Sauvage NWR Hydrologic Restoration Phase 1, PO-16, and Phase 2, PO-18 Projects. PO-16 reaches its 20-year life in May of 2024 and features two pump stations with vertical drainage pumps and a weir in Bayou Thomas to allow independent management of each unit. PO-18 also reaches its 20-year life in May 2024 and features a dual pump station with vertical drainage pumps.

One of the final two projects seeking closeout with no cost increase is Pass Chalard to Grand Bayou Pass Barrier Shoreline Restoration Project, BA-35. It is a NMFS project that reaches its 20-year life 25 August 2029 and features beach and dune platform along approximately 2.7 miles of gulf shoreline, 14,360 linear feet of sand fencing, and created more than 420 acres. The final project seeking closeout with no cost increase is Barataria Basin Landbridge Shoreline Protection Phase 4 BA-27d, sponsored by NRCS. It features 30,541 linear feet of rock revetment and reaches its 20-year life 26 April 2026.

Two projects are hereby being recommended for a specific path forward for a project time extension with no additional cost increase:

b. Projects requesting approval for time extension with no cost increase:

ME-19	Grand-White Lake Landbridge Restoration	FWS	1 Oct 24
BS-03a	Caernarvon Diversion Outfall Management	NRCS	19 June 24

Ms. Landry invited Mr. Roy, FWS, to present the Grand-White Lake Landbridge Restoration, ME-19, request, which reaches its 20-year life October 2024. The PPL 10 project features 12,024 linear feet of foreshore rock dike along Grand Lake shoreline and 19,544 linear feet of terraces, with vegetative plantings in Collicon Lake. Mr. Roy then presented the funds remaining, \$4,494,818. The project was approved for closeout in January of 2020. The team is requesting a 2-year, no cost two-year time extension for data collection, engineering and design and construction of the final maintenance event, which is believed to require another lift on the rock shoreline protection.

Ms. Landry then invited Ms. Angela Trahan, NRCS, to discuss the Caernarvon Diversion Outfall Management Project, BS-03a that reaches its 20-year life, following a two-year extension, in June 2024. The PPL 2 project features eight locations with flow through culverts, three plug closures with armored protection and 13,000 feet of spoil bank restoration. She then reported the project, which was completed in September 2022, had funds remaining in the amount of

\$179,912.02, Federal and State match. The team is requesting an additional two year no-cost time extension to determine final actions before closeout. At a future date, NRCS and CPRA will seek project closeout with cost increase to execute the final maintenance event.

Colonel Jones opened the floor for comment from the Task Force and the public. Mr. Weller asked Ms. Walter if the funds returned to the program were accounted for in the Status of Funds presentation presented at this meeting and if they go into carry over balance. Ms. Walter explained the funds are returned to the program as a whole, once Task Force approval is given. None from the public were proffered.

Col. Jones called for a motion to approve the path forward as presented. Mr. Weller made the motion, which Mr. Hasse seconded; the motion carried without opposition.

Agenda Item #9 –Decision: Request to Initiate Inactivation of the Freshwater Bayou Marsh Creation (ME-31) Project

Col. Jones invited Ms. Angela Trahan, NRCS, to present the request to initiate inactivation of ME-31.

Ms. Trahan made the request on behalf of NRCS and CPRA for approval of a recommendation to the Task Force to inactivate the Freshwater Bayou Marsh Creation Project (ME-31). She briefly described the PPL 19 project completed the 95% design in October 2020 and featured 291 acres of marsh creation and 137 acres of marsh nourishment. The request to inactivate is because of the number of unsuccessful Phase 2 Requests and a backlog of more cost-effective projects with limited program funds for construction. The funds remaining are \$111,090.93.

Colonel Jones opened the floor for comment from the Task Force and the public; none were proffered.

Col. Jones called for a motion to initiate inactivation as presented. Mr. Paul made the motion, which Mr. Haase seconded; the motion carried without opposition.

Agenda Item #10 –Decision: Request for change in scope for the PPL 29 North Delacroix Marsh Creation and Terracing (BS-41) Project

Col. Jones invited Mr. Brandon Howard, NMFS to present the request for the change in scope of BS-41.

Mr. Howard began with project background; the PPL 29 project initially included two marsh configuration cells totaling 411 acres with 8500 linear feet of terraces to support Highway 300. At the 30% design timeframe, some deeper water areas were identified that were not conducive for marsh creation, and there were landowner issues. Solutions for these obstacles were veering away from the project's original intent with 371 acres of marsh creation and nourishment and 5250 linear feet of terraces. With the authorization of the Reggio project, the polygons were reconfigured more northerly to protect infrastructure in the Delacroix community. The proposed 95% design layout is 378 acres of marsh creation and nourishment with 7250 linear feet of terraces. Additionally, the borrow area was moved to Lake Amedee, and requires the same

pump distance as the original borrow source. This request, between the 30% and 95% designs, is for a scope change and not for additional funds and is inflation driven. Because of the 27% change in fully funded costs, the resulting cost per net acre saw a 39% cost increase. The new Fully Funded Cost will be \$45,241,802, resulting in a cost effectiveness of \$168,185 per net acre, making it the least cost-effective in a Breton Sound Basin cost comparison.

Colonel Jones opened the floor for comment from the Task Force and the public. Mr. Hill commended NMFS for their collaboration with EPA and creating synergy with the Reggio project. None from the public were proffered.

Col. Jones called for a motion for a change in scope as presented. Mr. Williams made the motion, which Mr. Hill seconded; the motion carried without opposition.

Agenda Item #11 –Decision: Request for Operations and Maintenance Budget Increase for Oaks/Avery Canal Hydrologic Restoration (TV-13a) Project

Col. Jones invited Mr. Dion Broussard, CPRA to present the request for Operations and Maintenance Budget Increase for TV-13a.

Mr. Broussard proceeded to present the features of the PPL 6 project for which construction was complete in 2002. In order to achieve the original project goals to improve the hydrology and reduce tidal fluctuation to protect marsh loss and protect the eroding shoreline, there are features that are in need of attention. These features include shoreline stabilization, spoilbank maintenance, and a sheetpile weir. In September of 2020, a budget increase was approved to repair the sheetpile, however, a survey conducted revealed a more aggressive approach than planned was needed. In April 2022 a one-year no cost time extension was approved, followed by two-year no cost time extension in September 2023. At this time, the team is requesting a budget increase to rebid with no alteration to the scope of work or permit. This request reflects the current market conditions to remove and replace the weir structure, which are estimated at \$687,508 and does include a 25% contingency. The remaining budget is \$239,675. The request is for a budget increase of \$501,995; this will leave the project in good working condition prior to the end of life.

Colonel Jones opened the floor for comment from the Task Force and the public; none were proffered.

Col. Jones called for a motion to approve the budget increase as presented. Mr. Paul made the motion, which Mr. Haase seconded; the motion carried without opposition.

Agenda Item #12 –Decision: FY25 Planning Budget Approval, including the PPL 35 Process, and Presentation of FY25 Outreach Budget (Process, Size, Funding, etc.)

Ms. Landry explained the P&E Subcommittee reviews the PPL process for the upcoming year where recommendations for changes can be made. FY25 Planning Program Budget development, including the PPL 35 Process is presented as follows:

- a. The Task Force will vote based on the Technical Committee recommendation to update the PPL 35 Process. After meeting on 8 March 2024, the P&E Committee is recommending minor changes to the PPL process. These changes include discussion of the Selection Criteria for Project Selection throughout the document and establishing a due date for the Coastwide vote. A recommendation to the Task Force to approve that the PPL 35 Process includes selecting four nominees each in the Barataria and Terrebonne Basins; three projects each in the Breton Sound and Pontchartrain Basins; two nominees each in the Mermentau, Calcasieu/Sabine, and Tech/Vermilion Basins; one nominee in the Atchafalaya Basin; and one nominee in the Coastwide category. The nominees per basin remains unchanged, however, CWPPRA remains flexible and if changes are required prior to the RPT meetings, those changes will be brought forth through a public meeting later in the year.

Col. Jones called for questions or comments from the Task Force and the public about the PPL 35 process; none were proffered.

Col. Jones called for a motion to approve the Technical Committee's recommendation for the PPL 35 process as presented. Mr. Williams made the motion, which Mr. Haase seconded; the motion carried without opposition.

Lauren Leonpacher was called upon to present the Technical Committee recommendation to approve the FY25 Outreach Committee Budget, which is unchanged from previous years.

- a. The Task Force will vote based on the Technical Committee recommendation to approve the FY25 Outreach Committee Budget, in the amount of \$452,113.

Col. Jones called for questions or comments from the Task Force and the public regarding the Outreach budget; none were proffered.

Col. Jones called for a motion to accept the FY25 Outreach Committee budget in the amount of \$452,113. Mr. Hill made the motion, which Mr. Weller seconded; the motion carried without dissent.

Ms. Walter was asked to present the FY25 planning budget:

- b. The Task Force will vote based on the Technical Committee recommendation to approve the FY25 Planning Budget (includes Outreach Committee Budget), in the amount of \$5,000,000.

Col. Jones called for questions or comments from the Task Force and the public regarding the Planning Budget; none were proffered.

Col. Jones called for a motion to accept the Technical Committee recommendation for the FY25 Planning Budget in the amount of \$5,000,000. Mr. Williams made the motion, which Mr. Weller seconded; the motion carried without opposition.

Agenda Item #13 – Report: Selection of Ten Candidate Projects to Evaluate for PPL 34

Ms. Ramsey was called upon to announce the ten (of twenty-one nominated) projects selected as PPL 34 candidates for Phase 0 analysis at the 4 April 2024 Technical Committee meeting. She summarized each project (location, features, net acreage and estimated cost) as listed below:

Region	Basin	PPL 33 Candidates	Agency
2	Breton Sound	East Lake Lery Shoreline Restoration	FWS
2	Breton Sound	Wood Lake Marsh Creation	NRCS
2	Barataria	Bayou L'Ours Ridge Restoration and Marsh Creation	NRCS
2	Barataria	West Dupre Cut Marsh Creation	NRCS
2	Barataria	Elmer's Island Restoration	NMFS
2	Barataria	Southeast Lafitte Marsh Creation	NMFS
3	Terrebonne	Eastern Terrebonne Landbridge Marsh Creation Increment 1	FWS
3	Terrebonne	South Isle de Jean Charles Landbridge Increment	NRCS
4	Mermentau	Grand Chenier Marsh Creation	NRCS
4	Mermentau	Gulf Shoreline Protection West	FWS

Col. Jones acknowledged the efforts of the workgroups, as well as local, state, federal & university participation in the development of candidate project nominees. Col. Jones then called for questions or comments from the Task Force regarding the ten Phase 0 candidate projects. There were none.

Col. Jones called for questions or comments from the public. None were proffered.

VI: TASK FORCE REPORTS

Agenda Item #3 – Report: Electronic Votes and Approvals

BS-32 Mid-Breton Landbridge Marsh Creation and Terracing Project

Ms. Landry reported on the one electronic vote since the last meeting regarding the BS-32 Mid-Breton Landbridge Marsh Creation and Terracing Project. On February 8th, the FWS and CPRA requested that the CWPPRA Technical Committee and Task Force review the proposal to expand the BS-32 Mid-Breton Landbridge Marsh Creation and Terracing Project by 61 acres, while remaining within the available project budget. The project is currently under construction.

The request was approved February 16, 2024, in accordance with CWPPRA SOP, Section 6 (1)(3): Project Bid Underruns.

Col. Jones called for Task Force and public questions and comments; none were proffered.

Agenda Item #4 – Report: Status of CWPPRA Program Funds and Project

Ms. Baylissa Walter, USACE, presented an overview of the status of CWPPRA funds as follows: The fully funded total program estimate since its inception through PPL 1 – 33 is \$3.443 billion. Total projected state and federal sources of funding (through FY24) for all authorized

projects in addition to projected Department of the Interior (DOI) funds is \$2.730 billion. A potential gap of \$712 million remains if the Program were to construct all projects to date. Current Task Force-approved budgets for projects in Phase I, Phase II and O&M totals \$2.701 billion. Authorized funding obligated to each agency for approved project phases currently totals \$2.386 billion.

A request for approval of the FY25 Planning Program budget is on the agenda. A total of \$254,972 has been carried over cumulatively through FY24. Added to that is the expected allocation of \$5,000,000 for Planning activities. Today's funding request for FY25 Planning and Outreach totals \$5,000,000. If approved, a surplus of \$254,972 would remain for FY25.

Ms. Walter then presented a pie chart summarizing projects as follows: CWPPRA has authorized 238 projects. There are 133 active projects including 24 in Phase 1 Engineering and Design, 29 in Phase 2 Construction, 74 projects that have been completed and are now in Operations, Maintenance and/ or Monitoring phase, and 6 program support projects. Additionally, CWPPRA has completed 40 projects (i.e. reached the 20-year life mark), deauthorized 49 projects, transferred ten projects, and placed six in the inactive category.

Agenda Item #5 – Report: Construction Update

Ms. Landry invited Ms. Donna Rodgers, NMFS, to present the construction update of the CS-78 No Name Bayou Marsh Creation and Nourishment Project. Ms. Rodgers began by thanking the CPRA project team Travis Moore, Project Manager, Joanne Tribou, Project Engineer, Jacques Boudreaux, Construction Manager, as well as engineer Jason Kroll of NOAA. The project is located in Cameron Parish, south of Calcasieu Lake. The construction contract was awarded in December 2023, notice to proceed in March 2024 and the estimated construction start in the next few months, with a 455-day construction time and a cost of \$14.8 million base bid and bid option. A series of slides showing the project layouts followed. There are three marsh creation cells for a total 466 acres of marsh creation with 17,430 linear feet of containment dikes.

Ms. Landry introduced Ms. Kristen Ramsey, FWS, as presenter of the PO-169 New Orleans Landbridge Shoreline Stabilization and Marsh Creation Project. Ms. Ramsey thanked her project team, Mr. Joe Wyble, Project Manager, Jacques Boudreaux, Design Engineer, and David Chambers, Construction Engineer. She then showed a series of slides indicating the project location along Highway 90 and features of three marsh creation cells with two borrow areas. A total of 253 acres of marsh will be created and nourished with approximately three miles of shoreline protection. A northern expansion of MCA2 was approved last year and will yield an additional 25 acres behind the shoreline protection and has been completed. Construction progress to date includes the completion of MCA3. Pumping has been completed in MCA2, both the base and the expansion areas. Repairs of about 1000 linear feet were required on the Lake Pontchartrain side containment of MCA1 and have been completed. MCA2 was surveyed and has been found to be below target elevation, and will continue pumping. MCA1 is currently at 80% completion. Important dates include the notice to proceed in November 2021, with construction starting December 2021, the expansion of MCA2 was approved in 2023 and completion is anticipated this summer. The expected construction cost is \$12,569,480, which is under the \$15.9 million budget.

Ms. Landry asked Mr. Mike Nichols, NRCS, to present the construction update for the PO-75 LaBranche Marsh Creation Project. Mr. Nichols explained PO-75 and PO-133 LaBranche East and Central projects were combined. The project is located on the southwest shoreline of Lake Pontchartrain with the original CWPPRA project PO-17 to the east. Features include 54,618 linear feet of containment dikes that are under construction with 6.2 million cubic yards of borrow material. Additionally, there are 6,848 linear feet of tidal creeks under construction with 39 tidal ponds being excavated. Mr. Nichols then presented a series of slides highlighting the construction progress of the three marsh creation cells, the interior ponds and the containment dikes. The original PO-75 had 726 acres, a second marsh creation cell with 75 acres, and the third marsh creation cell for PO-133 with 671 acres. The newly created habitat is a favorite of birds in the area. The earthen containment dikes in MCA 1 with 7,611, MCA 2 with 26,000 and MCA 3 with 20,899, for a total of 54,510 linear feet have been constructed. The 19 ponds in MCAs 1 and 2 as well as 20 ponds in MCA 3 have been constructed. In MCA 2 3725 linear feet of tidal channel are under construction with 2955 linear feet of tidal channel in MCA 3. Mobilization if the dredge pipeline is scheduled for May 20, 2024 and pumping of 6.1 million cubic yards is expected to begin in July and to be completed by the end of the year.

Ms. Landry initiated the presentation of the BS-32 Mid-Breton Landbridge Marsh Creation and Terracing by introducing Mr. Robert Dubois, FWS. Mr. Dubois thanked the project team from CPRA, the Project Manager, April Newman, the Project engineer Chris Scalco, and the Construction Engineer, Taylor Chassignac. He then presented the project map, with the newly approved MCA 2 marsh creation expansion of 61 acres. The map does not include the terraces nor MCA 5 which was turned over to BS-38 because of the closer borrow site. The project is located in Plaquemines Parish, west of Delacroix and north of Bayou Gentilly. The Phase II construction plus contingency is \$27,185,568 and the construction contract award that includes the 61 acres of the expansion is \$25,524,854. The project status includes the scope change in April 2023, the construction contract that was awarded in May 2023, with construction beginning in September 2023, and the expansion request that was granted in February 2024. The anticipated completion date is May 2025. Mr. Dubois proceeded to show a series of drone photos showing the marsh creation areas and their containment dikes, rocks from a parish project as well as the town of Delacroix. The MCA 3 area is currently under construction and is challenging because of the large amount of organic material that require geotextile materials strategically placed on the earthen containment dikes. The final slide showed the drone image of project in its entirety.

Col. Jones commended the project teams on the construction of these critical projects and then called for Task Force and public questions and comments. Mr. Williams, NMFS, thanked FWS and CPRA for the cooperation with additional information that was requested in preparation for this meeting. The NOAA sponsored BS-38 project was recently authorized for Phase II construction and is undergoing final design. NMFS is investigating the potential to incorporate BS-32 MCA 5 into BS-38 once the authorized BS-38 MCAs features are finalized. Mr. Williams continued with thanks to NRCS for the LaBranche project which is quite large in scale and required extensive collaboration at the Phase 0, the Phase I and the Phase II stages with NOAA Fisheries. Notably, the project has the largest number of tidal creeks and ponds seen in CWPPRA to this date and is not only because of the scale of the project but because of their initiative. NRCS went through the extra effort to coordinate with NOAA Fisheries at each of

those phases to include habitat diversity and NMFS look forward to seeing the results of those design efforts. None from the public were proffered.

Agenda Item #6 – Report: Public Outreach Committee Report

Col. Jones requested Ms. Lauren Leonpacher of USGS present the Outreach Committee Report. Ms. Leonpacher expressed that it is an honor to present the Outreach efforts to the Task Force. She explained she did not have any slides covering the previous day's Coastal Celebration and thanked all those who came to support the event and then acknowledged the contributions of the NRCS partners, Angela Trahan, Audrina Lange, Mike Nichols, Alex Felter. She thanked Terri Von Hoven and then offered a special acknowledgement to Kacie Wright for all of her expertise with planning to make the ceremony a success. Ms. Leonpacher then highlighted the outreach activities from January 2024 through April 2024 as follows:

- The CWPPRA Outreach Committee attended two conferences. The Gulf of Mexico Alliance in Tampa, FL in February 2023 with Dr. Sharon Osowski which was well attended by science professionals from all along the coast. The Mereaux Foundation and Restore the Mississippi River Delta Cook-off for the Coast, also in February, provided the opportunity to interact with restoration organizations as well as the community.
- Community events such as Healing House Family Adventure Day sponsored by US Fish and Wildlife Service in March in Lafayette allow Outreach to connect with aspiring CWPPRA professionals. The LDWF and New Orleans City Park Conservancy 75th Annual Big Bass Rodeo and Fishtival in New Orleans in March was very well attended and provided the opportunity for the community to learn about the importance of coastal wetlands. The Louisiana Coastal Protection and Restoration Authority Coastal Day at the Louisiana Legislature in Baton Rouge in March allows for the connection with partners and to hear the Governor speak about wetlands restoration.
- Electronic outreach and social media remain an important component. There are just under 1900 Newsflash subscribers. Since January over 80 community calendar events and 13 Newsflashes have been shared. CWPPRA has nearly 5000 social media followers and since January almost 6000 feeds.
- Watermarks360 remains hugely successful. In April 2024, the Caminada Headlands reached over two million page views. Since January, Our Changing Delta has had over 60,000 new users. About 50% of page views of Caminada website were accessed from Our Changing Delta. Approximately 70% of users are from Louisiana, 25% of from throughout the USA, and 5% are international. The next Watermarks360 is in development with NRCS and features the Cameron-Creole Freshwater Introduction, CS-49.
- Teacher training workshops partnering with UNO are scheduled for June.
- The Nicholls State University Coastal Center construction images were shown, and Outreach submitted recommendations for content and aesthetics for the exhibit space.

- The deadline for the Wetlands Writing Contest is Monday 6 May with winning submissions compiled into a PDF.
- The Louisiana Environmental Education Book Display remains popular and is in its seventh installation in the St. Charles Parish Public Library System in Luling.
- A revised CWPPRA How-To Guide was developed to let the public know how to submit project ideas. It has clickable links so the public can easily access additional information. It is also easy to update so it can be sent annually as a PDF with Newsflashes and will be housed on the LAcoast.gov website.
- Ongoing projects include being on the development team for the 2025 National Marine Educators Conference. More education and community engagement fieldtrips have been made available for students at the USGS offices. Outreach remains involved with the Atchafalaya NERR Education program. Also in the future is an updated CRMS User Guide and Educational Video Series.
- The next few months will be busy, however, if there is an event the Outreach team is missing, please contact the committee with the information.

Col. Jones commended Ms. Leonpacher for the great work of the committee, especially with the success of the LaBranche Celebration Ceremony.

Col. Jones called for questions or comments from the Task Force and the public; none were proffered.

Agenda Item #7 – Report: Coastwide Reference Monitoring System (CRMS) Report

Colonel Jones invited Ms. Leigh Anne Sharp of CPRA to present the CRMS update. Ms. Sharp began with programmatic notes. The CRMS website is 99% updated. The elevation data are currently in Geoid 12b and there are conversions to convert 99 to 12b. She expressed gratitude to USGS for their assistance with that endeavor. The next survey is scheduled for 2026/2027 and will incorporate Gravimetric datum.

With ongoing monitoring, the RSET and accretion wrapped 30 April 2024 and was able to capture the elevation loss due to drought. Additional porewater and soil salinity cores were taken to capture drought impacts and to supplement areas where no water samples could be taken. Ms. Sharp expressed appreciation for the efforts of LSU for their assistance with sample collection. June 15th begins the vegetation monitoring, with this year being a tree year. The Coastwide flight is scheduled for October, where some land gain is expected due to expansion of the mudflats.

Ms. Sharp continued reporting data synthesis has been the recent focus. She then presented a map with land change between 2005 and 2021 that demonstrated CRMS sites capture the historic land loss trends. In the Delta, some sites are all gone while the Chenier Plain is fairly intact. Since 2021, there is a variety of ground change, some land loss is episodic, while others are recovering. In fact, land gain is seen in Breton Sound where previous land loss had occurred outside of Caernarvon. However, in the Calcasieu Sabine area there is land loss in the East Mud

Lake Hydrologic Restoration area due to the last few years of high water and saltwater flooding. Additionally, there is a band in the basin that is suffering land loss due to inundation stress that was initially hurricane induced. The entire Calcasieu Sabine Basin is in need of hydrologic restoration. In fact, the only land gain at CRMS sites in the basin are due to marsh creation.

A research paper by Camille Stagg has recently been published that concludes the elevation change and land loss at 159 CRMS sites from 2008 to 2021 are mostly being caused by tidal erosion. Prior to the loss of marsh, an accelerating elevation gain was noted. Ms. Sharp then showed a map depicting that landloss process appears to be tidally driven in the Mississippi River Deltaic Plain. There was some land gain occurring in the delta. She explained that land change does need to be considered when interpreting elevation strategies, since different rates have different meanings in different regions.

The Coastal Master Plan for 2029 is being updated. In much the same manner as in 2023, hydrologic stressors are identified in the monitoring data set that predict land loss. Between 2017 and 2023 the predicted flooding and salinity conditions were seen, however, the expected vegetation loss did not occur. The assumptions made in 2023 regarding the impacts of flooding and salinity were proven and are being investigated for 2029.

Ms. Sharp then continued with new findings discovered at CRMS 162 in the delta. There are five sites that have land loss associated with water hyacinth rafting. Initially phragmites scale damaged vegetation, then hyacinth rafts smothered the vegetation and deposited sediment. When the raft then washes out, it takes the vegetation and sediment with it. She then stated events such as these can be captured with CRMS data and are available on social media.

Col. Jones complimented Ms. Sharp for the outstanding presentation. He then called for questions or comments from the Task Force and from the public. Mr. Weller inquired in addition to TBH, about how the health of trees is monitored. Ms. Sharp explained trees are marked when they are initially established and TBH is measured every three years. Additionally, there is a Forested Forensic Quality Index that incorporates canopy cover. None from the public were proffered.

Agenda Item #14 -- Additional Agenda Items

Colonel Jones inquired if there were any additional agenda items and none were offered.

VII. REQUEST FOR PUBLIC COMMENTS

Colonel Jones called for any additional public comments; none were proffered.

VIII. CLOSING

Ms. Landry was called upon to iterate the following schedule of meetings, which he did as follows:

A. Announcement: Date of Upcoming CWPPRA Program Meeting

The next Technical Committee meeting is scheduled for September 5, 2024 at 9:30 a.m.

B. Announcement: Scheduled Dates of Future Program Meetings

Future Program Meetings*

September 5, 2024	9:30 a.m.	Technical Committee Meeting	New Orleans
October 3, 2024	9:30 a.m.	Task Force	New Orleans
December 5, 2024	9:30 a.m.	Technical Committee Meeting	New Orleans

*subject to change

IX. Adjournment

Col. Jones expressed appreciation for everyone in attendance and their comments in today's meeting. He asked for final Task Force comments, then final public comments. Seeing none, Col. Jones then requested a motion to adjourn.

Colonel Jones asked for a motion to adjourn the proceedings. Mr. Haase made the motion; there Mr. Hill seconded. The motion carried without dissent and the meeting was adjourned at 11:14 a.m.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

ELECTRONIC VOTE

For Report:

USACE will report out on recent electronic votes and approvals.

BS-38 Breton Landbridge Marsh Creation (West)
River aux Chenes to Grand Lake Scope Change

Pre-bid Report and Decision Item for Breton Landbridge Marsh Creation (West) River aux Chenes to Grand Lake Project (BS-0038)

The Breton Landbridge Marsh Creation (West) River aux Chenes to Grand Lake Project (BS-0038) (herein referred to as Breton West) was approved for Phase 2 funding in January 2022. The total fully funded cost at the time of Phase 2 approval was \$31,777,082 and included:

Construction: \$20,136,373

Contingency: \$3,020,456

Total Construction Budget: \$23,156,829

At the time of Phase 2 approval, project features included 561 acres of marsh creation and nourishment across five (5) cells (MCAs 1, 2, 3, 4, & 7) and four (4) of the cells (MCAs 1, 2, 4, & 7) were fronted with a lake dike feature along the southern perimeter of Grand Lake (Figure 1).

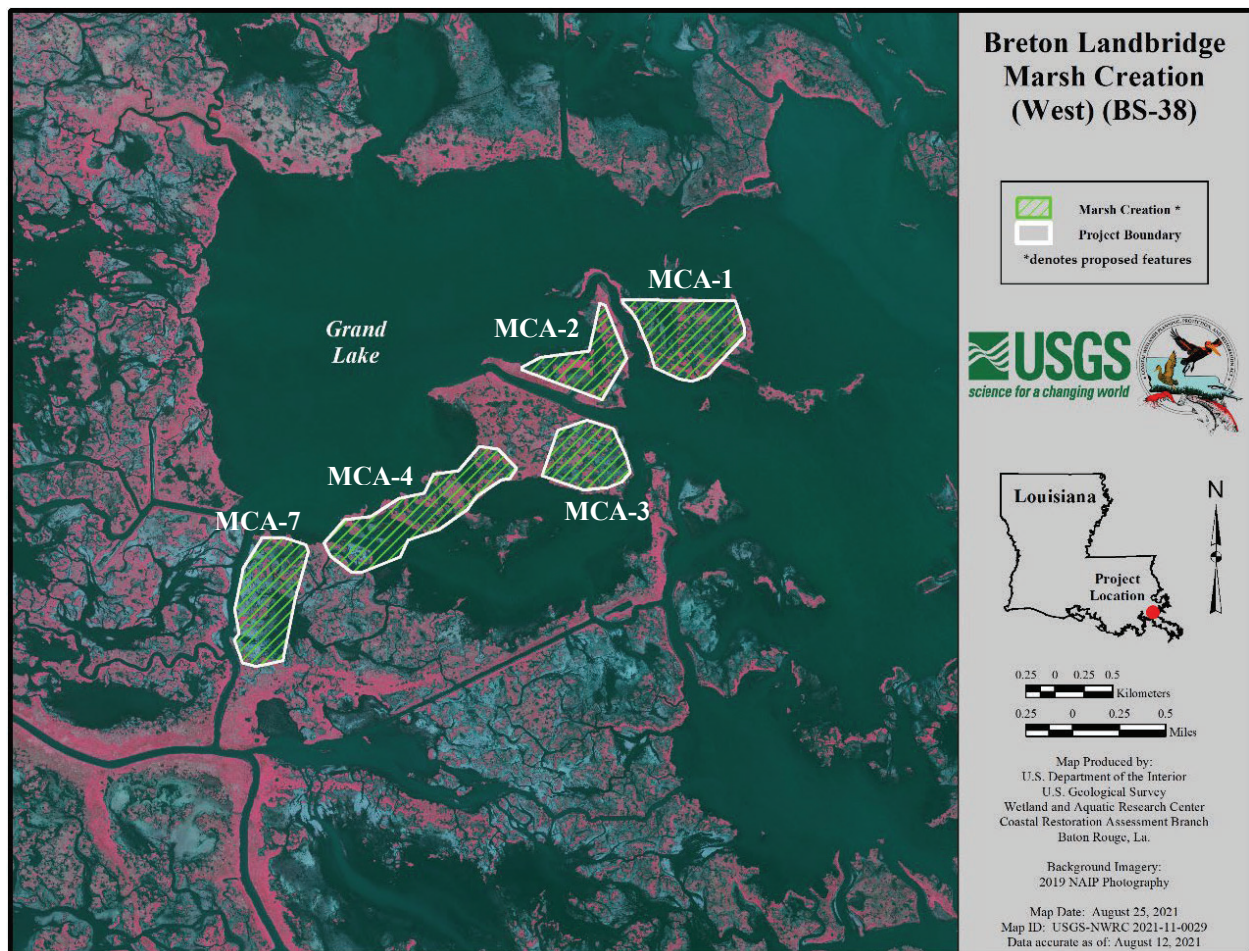


Figure 1. Approved Phase 2 Breton West Project (BS-0038) Marsh Creation Areas.

In the summer of 2022, the CWPPRA TC/P&E requested updates to authorized Phase 2 projects. The engineers estimate for the BS-0038 project was adjusted to account for inflation factors in the present-day economy including an updated unit rate for hydraulic dredging and reductions in

acreage to stay within our authorized budget. The MCA-7, a previously investigated alternative, was an addition to the pre-95% design project prior to the project's reevaluation due to increases in market rates and inflation. The reevaluation analysis determined the BS-0038 project to be over budget by approximately the same amount as MCA-7, therefore we decided to remove it from the project. Additionally, CPRA removed the floating dredge pipeline from the project as a lake dike erosion control item and instead realigned the lake dikes using CPRA's analysis of shoreline position and bathymetry contours to reduce erosion during construction. This pre-bid interim design included 445 acres of marsh creation and nourishment for the base bid following updating the cost estimates in the summer of 2022.

Also in 2022, CPRA submitted an application for National Fish and Wildlife Federation – National Coastal Resilience Funding and received an award of \$7,127,745 in October 2023, for construction of approximately 181 acres of marsh (former MCA-7, renamed as MCA-5) along the Breton Landbridge Marsh Creation (West) alignment (Figure 2). Furthermore, the Breton Basin was awarded \$7M in a fiscal year 2022 Legislative Appropriation of funding (State Surplus) and approximately \$1.2M of this State Surplus funding is intended to be used with the entire NFWF award to construct MCA-5. The total estimated construction cost per net acre to construct MCA-5 is \$61,478 including both funding sources (NFWF and State Surplus) combined and CWPPRA funding is being leveraged for mobilization and demobilization of this MCA.

The project topography and bathymetry were re-surveyed during October and November of 2023 to re-verify construction feasibility, update the design of the BS-0038 base bid cells (MCAs 1-4), and to evaluate potential MCA expansion northwest of MCA-3 and along the northeastern portion of MCA-5. Results indicated the need to adjust alignments for MCAs 1, 2, and 4 to avoid channels and open water areas that have deepened since the 2020 design survey. The results also indicated both expansion areas near MCA-3 and MCA-5 are viable as marsh creation areas. The final proposed project areas are shown in Figure 2. The pre-bid final design for BS-0038 project features includes 448 acres of marsh creation and nourishment across four (4) cells (MCAs 1, 2, 3, & 4) with three (3) of the cells (MCAs 1, 2, & 4) fronted with a lake dike feature along the southern perimeter of Grand Lake.

The acreage of the pre-bid final design for the BS-0038 project (448 acres) has reduced from the Phase 2 approval (561 acres) while the cost of the CWPPRA base remains within the approval (Table 1). The fully funded cost for the pre-bid final project design is \$31,777,082, with a \$120,368 cost per net acre, which results in a 115-acre reduction in net acres and a 44% reduction in cost effectiveness. The revised CWPPRA project (MCAs 1-4) and externally funded MCA-5 remain in the high cost effectiveness category, given the total project cost (all funding sources combined) of \$40,138,082 and 400 total net acres (all cells MCAs 1-5 combined). The total estimated construction cost per net acre to construct the entire landbridge footprint (MCAs 1-5) with all funding sources combined is \$100,345.

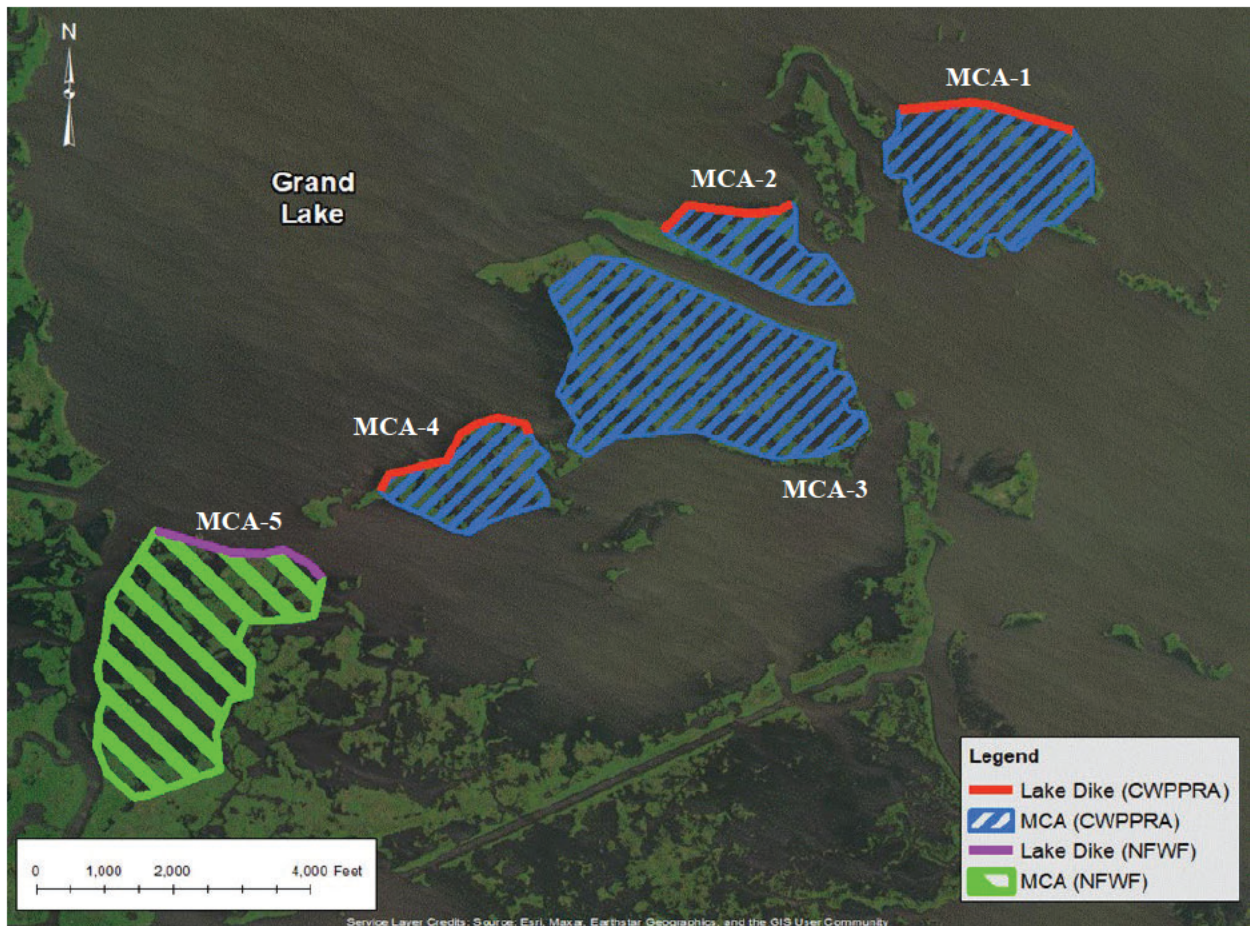


Figure 2. The pre-bid final design for the Breton West Project (BS-0038) including funded cells for the CWPPRA base bid (MCAs 1-4) and NFWF and State Surplus (MCA-5).

Table 1. CWPPRA acreages and cost information for the Phase 2 authorization and the pre-bid final design for the Breton Landbridge Marsh Creation (West) Project (BS-0038).

	Phase 2 Authorized Acres & Budget	Final Design Requested Acres & Budget	Change in Phase 2 vs Final Design
Total Acres	561	448	-113
Creation Acres	430	278	-152
Nourishment Acres	131	170	+39
Net Acres	379	264	-115
Net AAHUs	160	126	-34
Fully Funded	\$31,777,082	\$31,777,082	\$0
Construction Cost	\$20,136,373	\$17,072,300	-\$3,064,073
Contingency	\$3,020,456	\$3,414,460	+\$394,004
Construction + Contingency	\$23,156,829	\$20,486,760	-\$2,670,069
Cost Per Net Acre	\$83,845	\$120,368	44%
Cost Per Net AAHUs	\$198,607	\$252,199	27%

The CPRA will be overseeing construction for this project including its contracting under a grant agreement between NMFS and CPRA. Under Louisiana Public Bid Law ([R.S. 382212\(H\)](#)), “No public entity shall advertise a public work project unless funds that meet or exceed the estimate of probable construction costs have been budgeted by the public entity for the project.” Given section 6.1. (2) (d) of the [CWPPRA Standard Operating Procedures \(ver. 28\)](#) requires Task Force approval prior to a federal sponsor implementing a deductive alternative that reduces the project’s cost effectiveness by more than 2%, CPRA has requested authorization of the change in scope prior to going to bid. Additionally, R.S. 38:2215 stipulates that a “public entity shall act not later than forty-five (45) calendar days after the date of opening bids to award the public works contract...”. A decision item on a change in scope prior to bid provides surety of authorization while addressing § 2212 H and thusly enabling operational continuity to award bids for a reduced scope if bids come in within the available funds.

Therefore, the NMFS and CPRA request approval of a project reduction in scope and a no cost increase from the previous Phase 2 approval. Advertisement of the bid solicitation is planned to occur after concluding coordinating this report and decision item with CWPPRA agencies. This will enable advertising a solicitation for bids and an award of a contract for construction if within the authorized funds. If the apparent low bids exceed available funds and the co-sponsors concur to seek additional funding approval from the Task Force, funds will be requested at that time. In such a situation, project implementation in the form of awarding the bid would not occur unless additional funds are approved by the Task Force. When bids exceed the available funds, the bids may be rejected and the project may be rebid at any time.



State of Louisiana

JEFF LANDRY
GOVERNOR

August 21, 2024

Cecelia Linder
NOAA CWPPRA Program
1315 East-West Highway
SSMC #3, F/HC3, Rm 14839
Silver Spring, MD 20910

Re: Scope Change for the Breton Landbridge Marsh Creation (West) Project (BS-0038)
Statement of Local Sponsor Concurrence

Dear Ms. Linder,

The Coastal Protection and Restoration Authority, as the local sponsor, concurs to proceed with the Scope Change for the Breton Landbridge Marsh Creation (West) Project (BS-0038) based on the project information compiled to date.

The Scope Change is required due to a reduction in the project's acreage, which reduces the project's cost effectiveness by more than 2%. Marsh creation area alignments significantly changed from the Phase 2 authorized footprint due to deeper water depths found within the project area, while the costs of the base remains within the Phase 2 approved authorization.

In accordance with the CWPPRA Project Standard Operating Procedures Manual, we request that you forward this letter of concurrence to the Technical Committee and the Planning and Evaluation Subcommittee. We concur with proceeding forward on the No-Cost Scope Change with the preferred design and revised project cost estimate and benefits.

Please call me at (225) 342-6529 if you have any questions.

Sincerely,

Chris Scalco, P.E.
CPRA Project Manager

Cc: January Murray, Project Manager, NOAA
Jennifer Smith, Project Manager, NOAA
Brandon Champagne, CWPPRA Program Coordinator, CPRA



Breton Landbridge Marsh Creation (West) River aux Chenes to Grand Lake (BS-38)

Project Status

Approved Date: 2019 **Project Area:** 448 acres
Approved Funds: \$30.2 M **Total Est. Cost:** \$31.7M
Net Benefit After 20 Years: 264 acres
Status: Construction
Project Type: Marsh Creation
PPL #: 28

Location

This project is located in Region 2, Breton Basin, Plaquemines Parish.

Problems

Historically, this area was nourished by the freshwater delivered by the Mississippi River until the creation of the levees along the lower river. In 1991, the Caernarvon Freshwater Diversion began delivering freshwater to the marshes in the area. The major cause of wetland loss has been from storm activity (i.e. Hurricane Betsy and Katrina), causing both storm-induced scouring and salt water intrusion. Altered hydrology and oil/gas development have exacerbated this loss. High subsidence rates range from 2.1-3.5 ft/century. Natural lakes and bays increase in size due to coalescence with marsh lost to water and increased wave fetch. The 1984 to 2024 USGS loss rate is -1.24%/yr for the extended boundary area.



Many areas of once healthy marsh platforms in Breton Sound have converted to open water. Continued marsh loss in this area will affect the overall ecosystem functions within the sound.

Restoration Strategy

The specific goals of the project are to: 1) Create 278 acres of intermediate marsh, 2) Nourish 170 acres of existing intermediate marsh, 3) Maximum the amount of time the created marsh platform is intertidal throughout the 20 year design life of the project, and 4) Use two lake dike designs to provide enhanced containment along the southern perimeter of Grand Lake.

This project will create and nourish marsh along the south side of Grand Lake via confined placement in four fill areas using sediment dredged from Grand Lake. Three of the fill placement areas will be fronted by constructing lake dikes using a combination of bucket dredge and marsh buggies. Only the intertidal lakeside slope of the lake dike designs would be planted with appropriate vegetation and all of the fill placement areas would not be planted. The non-lakeside portions of the dikes will be gapped (i.e., the lake dikes would not be gapped) no later than three years post construction to reestablish hydrologic connectivity to adjacent wetlands.

The overall landbridge concept incorporates marsh and shoreline restoration in a west-to-east configuration across the basin to be completed in two to three phases. This overall, long-range, restoration goal would create/nourish 1,000 to 2,000 acres of intermediate marsh across seven miles of the Breton Basin from River aux Chenes to Bayou Terre aux Boeufs.

Progress to Date

This project was approved for Phase I Engineering and Design in February 2019. The project was approved for Phase II Construction in January 2022.

This project is on Priority Project List (PPL) 28.

For more information, please contact:



Federal Sponsor:


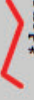
National Marine Fisheries Service
 Baton Rouge, LA
 (601) 890-1504



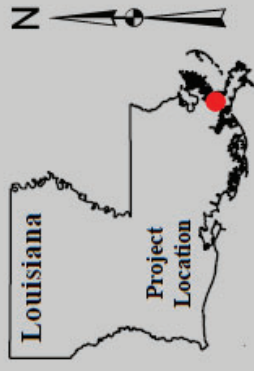
Local Sponsor:

Coastal Protection and Restoration Authority
 Baton Rouge, LA
 (225) 342-6529

Breton Landbridge Marsh Creation (West) (BS-38)

-  Marsh Creation*
-  Project Boundary
-  Lake Dike *

*denotes proposed features




Map Produced by:
U.S. Department of the Interior
U.S. Geological Survey
Wetland and Aquatic Research Center
Lafayette, La.

Background Imagery:
2023 NAIP Photography

Map Date: July 9, 2024
Map ID: USGS-NWRC 2024-11-0007
Data accurate as of: May 31, 2024




Grand
Lake





Breton Landbridge Marsh Creation (West) River aux Chenes to Grand Lake (BS-0038)

Scope Change Request




CWPPRA Task Force

October 3, 2024



1



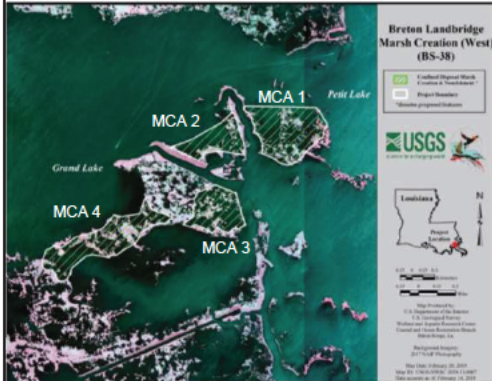

Project Background

PPL 28 Phase 0 Features:

- 4 MCAs (1-4)
- 423 acres of Marsh Creation & Nourishment
- Lake Dike Features
- 3 Alternatives Investigated

30% Design Features:

- 4 MCAs (1-4)
- 437 acres of Marsh Creation & Nourishment
- Lake Dike Features
- 3 Alternatives Investigated

2

CWPPRA

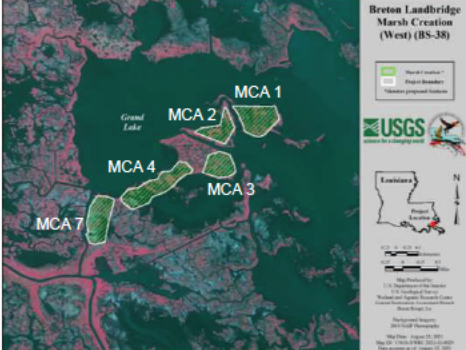
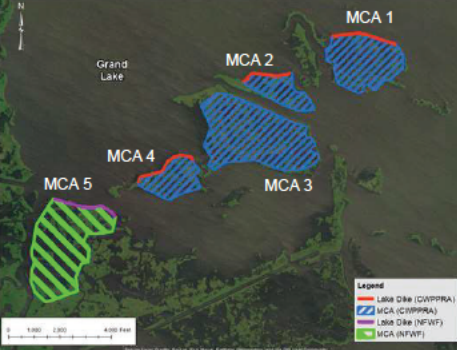
Project Background

95% Design Features:

- 5 MCAs (1-4 & 7)
 - Alternative MCA-7 was included as a project feature
- 561 acres of Marsh Creation & Nourishment
- Lake Dike Features

Post 95% Design Features:

- 4 MCAs (1-4)
 - *MCA-7 (Renamed MCA-5) & funded by NFWF & State Surplus
- 448 acres of Marsh Creation & Nourishment
- Lake Dike Features





3

CWPPRA

Final BS-0038 Locations

FINAL Features: Post 95% Design:



Bretton Landbridge Marsh Creation (West) (BS-38)

- Marsh Creation*
- Project Boundary
- Lake Dike*
- *Alternative proposed features

USGS
United States Geological Survey

Louisiana
Project Location

0.25 0 0.25 0.5
0.25 0 0.25 0.5
Miles

Site Prepared for
U.S. Department of the Interior
U.S. Geological Survey
Wetland and Aquatic Resource Center
Louisiana, LA

Background Images:
2023 30m PlanetScope
Map Date: July 9, 2024
Map ID: "USGS/STAC/BS38_11_0001"
Data source: as of July 11, 2024

- 4 MCAs (1-4)
- 448 acres of Marsh Creation & Nourishment
- Lake Dike Features
- 264 Net Acres

4

CWPPRA

Why the Scope Change?

Acreage Reduction

Reduction in Benefits

Reduction in Cost Effectiveness

Breton Landbridge Marsh Creation (West) River aux Chenes to Grand Lake (BS-0038)			
<i>Scope Change Metrics</i>			
CWPPRA Base (MCAs 1-4)	Authorized Phase 2	Revised Phase 2	Percent Change
Construction Cost	\$23,156,829	\$20,486,760	-12%
Fully-Funded Cost	\$31,777,082	\$31,777,082	0%
Constructed Acres	561	448	-20%
Net Acres	379	264	-30%
Net AAHUs	160	126	-21%
Cost Per Net AAHUs	\$198,607	\$252,199	27%
Total Cost (FFC) Per Net Acre	\$83,845	\$120,368	44%

5

CWPPRA

Breton Sound Basin Cost Comparisons

Project Name	Region	Parish	Project Area (acres)	Net Acres	Total Fully Funded Cost	Cost Effectiveness (Cost/Net Acre)
Mid Breton Landbridge Marsh Creation and Terracing (BS-0032)	2	Plaquemines	819	408	\$37,358,959	\$91,566
REVISED Breton Landbridge MC (West) River aux Chenes to Grand Lake (BS-0038)	2	Plaquemines	448	264	\$31,777,082	\$120,368
East Delacroix Marsh Creation and Terracing (BS-0037)	2	St. Bernard	576	319	\$44,392,980	\$139,163
Reggio Marsh Creation and Hydrologic Restoration Project (BS-0043)	2	St. Bernard	519	324	\$46,707,631	\$144,159
North Delacroix Marsh Creation and Terracing (BS-0041)	2	St. Bernard	397	269	\$45,241,000	\$168,182

6

From: [McCormick, Karen](#)
To: [Von Hoven, Terri M CIV USARMY CEMVN \(USA\)](#); [Elzey, Durund F CIV USARMY CEMVN \(USA\)](#); [Brian Lezina](#); [Roy, Kevin](#); [Pat Williams](#); [Paul, Britt - NRCS, Alexandria, LA](#)
Cc: [Vititoe, Jennifer M CIV USARMY CEHQ \(USA\)](#); [Brandon Champagne](#); [Jacobson, Doug](#); [Robert Dubois](#); [Jason Kroll](#); [Trahan, Angela - NRCS, Lafayette, LA](#)
Subject: [Non-DoD Source] RE: BS-38 Breton West Update and Change in Scope
Date: Wednesday, September 18, 2024 6:43:31 AM

Good morning everyone – EPA votes “Yes” to the Change in Scope request for the BS-38 project.

From: Von Hoven, Terri M CIV USARMY CEMVN (USA) <Terri.M.VonHoven@usace.army.mil>
Sent: Monday, September 9, 2024 8:13 AM
To: Elzey, Durund F CIV USARMY CEMVN (USA) <Durund.Elzey@usace.army.mil>; Brian Lezina <brian.lezina@la.gov>; McCormick, Karen <McCormick.Karen@epa.gov>; Roy, Kevin <kevin_roy@fws.gov>; Pat Williams <patrick.williams@noaa.gov>; Paul, Britt - NRCS, Alexandria, LA <britt.paul@usda.gov>
Cc: Vititoe, Jennifer M CIV USARMY CEHQ (USA) <Jennifer.M.Vititoe@usace.army.mil>; Brandon Champagne <brandon.champagne@la.gov>; Jacobson, Doug <jacobson.doug@epa.gov>; Robert Dubois <robert_dubois@fws.gov>; Jason Kroll <jason.kroll@noaa.gov>; Trahan, Angela - NRCS, Lafayette, LA <Angela.Trahan@usda.gov>
Subject: BS-38 Breton West Update and Change in Scope

Caution: This email originated from outside EPA, please exercise additional caution when deciding whether to open attachments or click on provided links.

Good morning, Technical Committee,

NMFS and CPRA are requesting an electronic vote for a change in scope for the Breton West Landbridge Marsh Creation (West) River aux Chenes to Grand Lake (BS-38) project pursuant to Section 6.1. (2) (d) of the CWPPRA Standard Operating Procedures (ver. 28).

Please see the attached supporting materials that provide an update and change in scope request. They include:

- ☐☐☐ Decision Item
- ☐☐☐ Pre-bid Report
- ☐☐☐ Presentation
- ☐☐☐ CPRA Concurrence Letter
- ☐☐☐ Updated Project Factsheet

An updated Wetland Value Assessment was prepared by NMFS and reviewed and approved by the Environmental Workgroup. The updated net acres and AAHUs as approved by the Environmental Workgroup are included in the materials.

For any additional information or further clarification, please contact Mr. Pat Williams.

Please submit your vote via email to me by close of business Friday, 20

September.

Thank you and have a great week,
Terri

Terri Von Hoven, Ph.D.
Project Manager
U.S. Army Corps of Engineers
New Orleans District
Work: (504) 862.1744

From: [Brian Lezina](#)
To: [Von Hoven, Terri M CIV USARMY CEMVN \(USA\)](#); [Elzey, Durund F CIV USARMY CEMVN \(USA\)](#); [McCormick, Karen; Roy, Kevin](#); [Pat Williams](#); [Paul, Britt - NRCS, Alexandria, LA](#)
Cc: [Vititoe, Jennifer M CIV USARMY CEHQ \(USA\)](#); [Brandon Champagne](#); [Jacobson, Doug](#); [Robert Dubois](#); [Jason Kroll](#); [Trahan, Angela - NRCS, Lafayette, LA](#)
Subject: [Non-DoD Source] Re: BS-38 Breton West Update and Change in Scope
Date: Wednesday, September 18, 2024 8:32:07 AM

Good Morning All,

The State votes to approve the request.

Than you.

Brian

From: Von Hoven, Terri M CIV USARMY CEMVN (USA) <Terri.M.VonHoven@usace.army.mil>
Sent: Monday, September 9, 2024 08:19
To: Elzey, Durund F CIV USARMY CEMVN (USA) <Durund.Elzey@usace.army.mil>; Brian Lezina <Brian.Lezina@la.gov>; McCormick, Karen <mccormick.karen@epa.gov>; Roy, Kevin <kevin_roy@fws.gov>; Pat Williams <patrick.williams@noaa.gov>; Paul, Britt - NRCS, Alexandria, LA <britt.paul@usda.gov>
Cc: Vititoe, Jennifer M CIV USARMY CEHQ (USA) <Jennifer.M.Vititoe@usace.army.mil>; Brandon Champagne <Brandon.Champagne@LA.GOV>; Jacobson, Doug <jacobson.doug@epa.gov>; Robert Dubois <robert_dubois@fws.gov>; Jason Kroll <jason.kroll@noaa.gov>; Trahan, Angela - NRCS, Lafayette, LA <Angela.Trahan@usda.gov>
Subject: BS-38 Breton West Update and Change in Scope

EXTERNAL EMAIL: Please do not click on links or attachments unless you know the content is safe.

Good morning, Technical Committee,

NMFS and CPRA are requesting an electronic vote for a change in scope for the Breton West Landbridge Marsh Creation (West) River aux Chenes to Grand Lake (BS-38) project pursuant to Section 6.1. (2) (d) of the CWPPRA Standard Operating Procedures (ver. 28).

Please see the attached supporting materials that provide an update and change in scope request. They include:

- ??? Decision Item
- ??? Pre-bid Report
- ??? Presentation
- ??? CPRA Concurrence Letter
- ??? Updated Project Factsheet

An updated Wetland Value Assessment was prepared by NMFS and reviewed and approved by the Environmental Workgroup. The updated net acres and AAHUs as approved by the Environmental Workgroup are included in the

materials.

For any additional information or further clarification, please contact Mr. Pat Williams.

Please submit your vote via email to me by close of business Friday, 20 September.

Thank you and have a great week,
Terri

Terri Von Hoven, Ph.D.
Project Manager
U.S. Army Corps of Engineers
New Orleans District
Work: (504) 862.1744

From: [Patrick Williams - NOAA Federal](#)
To: [Von Hoven, Terri M CIV USARMY CEMVN \(USA\)](#)
Cc: [Elzey, Durund F CIV USARMY CEMVN \(USA\)](#); [Brian Lezina](#); [McCormick, Karen](#); [Roy, Kevin](#); [Paul, Britt - NRCS, Alexandria, LA](#); [Vititoe, Jennifer M CIV USARMY CEHO \(USA\)](#); [Brandon Champagne](#); [Jacobson, Doug](#); [Robert Dubois](#); [Jason Kroll](#); [Trahan, Angela - NRCS, Lafayette, LA](#)
Subject: [Non-DoD Source] Re: BS-38 Breton West Update and Change in Scope
Date: Thursday, September 19, 2024 9:02:39 PM

NMFS votes "yes" for the BS-38 change in scope.

When contacting me by phone, use my cell number below

Patrick Williams
NOAA Restoration Center
5304 Flanders Dr. Suite B
Baton Rouge, LA 70808-7206
225.400.5943 (c) **NOTE NEW PHONE NUMBER*



On Mon, Sep 9, 2024 at 8:20 AM Von Hoven, Terri M CIV USARMY CEMVN (USA) <Terri.M.VonHoven@usace.army.mil> wrote:

Good morning, Technical Committee,

NMFS and CPRA are requesting an electronic vote for a change in scope for the Breton West Landbridge Marsh Creation (West) River aux Chenes to Grand Lake (BS-38) project pursuant to Section 6.1. (2) (d) of the CWPPRA Standard Operating Procedures (ver. 28).

Please see the attached supporting materials that provide an update and change in scope request. They include:

- Decision Item
- Pre-bid Report
- Presentation
- CPRA Concurrence Letter
- Updated Project Factsheet

An updated Wetland Value Assessment was prepared by NMFS and reviewed and approved by the Environmental Workgroup. The updated net acres and AAHUs as approved by the Environmental Workgroup are included in the materials.

For any additional information or further clarification, please contact Mr. Pat Williams.

Please submit your vote via email to me by close of business Friday, 20 September.

Thank you and have a great week,

Terri

Terri Von Hoven, Ph.D.

Project Manager

U.S. Army Corps of Engineers

New Orleans District

Work: (504) 862.1744

From: [Roy, Kevin](#)
To: [Von Hoven, Terri M CIV USARMY CEMVN \(USA\)](#); [Elzey, Durund F CIV USARMY CEMVN \(USA\)](#); [Brian Lezina; McCormick, Karen](#); [Pat Williams](#); [Paul, Britt - NRCS, Alexandria, LA](#)
Cc: [Vititoe, Jennifer M CIV USARMY CEHQ \(USA\)](#); [Brandon Champagne](#); [Jacobson, Doug](#); [Dubois, Robert](#); [Jason Kroll](#); angela.trahan@usda.gov; [January Murray](#)
Subject: [Non-DoD Source] Re: [EXTERNAL] BS-38 Breton West Update and Change in Scope
Date: Friday, September 20, 2024 7:46:07 AM

FWS votes YES to approve the BS-38 scope change request.

We appreciate the NMFS-CPRA effort on this project and briefing for the Technical Committee. Although the project falls short of what was originally intended and approved for Phase 2, we believe the best project possible is being put forward and there is value in restoring as much as possible along the southern Grand Lake shoreline. The southern shoreline is important structural framework, contributes to landbridge function, and affords protection to the northern and western shorelines. The same is true for the northern and western shorelines in affording protection to our restoration efforts along the southern shoreline.

With that in mind, I'd like to encourage master plan flexibility in allowing the northern shoreline to be addressed. Proposals on the western shoreline have been granted consistency in the past. With a reduced-scope BS-38, a portion of the resources (sediment, financial?) allocated to the southern shoreline in the 2023 master plan could "re-allocated" to the northern shoreline. Perhaps this topic could be discussed at next week's priorities meeting.

Thank you.

Kevin Roy
CWPPRA Program Coordinator
U.S. Fish and Wildlife Service
Louisiana Ecological Services
200 Dulles Drive
Lafayette, LA 70506
337-291-3120 (office) / 337-322-8612 (cell)
kevin_roy@fws.gov

From: Von Hoven, Terri M CIV USARMY CEMVN (USA) <Terri.M.VonHoven@usace.army.mil>
Sent: Monday, September 9, 2024 8:12 AM
To: [Elzey, Durund F CIV USARMY CEMVN \(USA\) <Durund.Elzey@usace.army.mil>](mailto:Elzey.Durund.F.CIV.USARMY.CEMVN@usace.army.mil); [Brian Lezina <brian.lezina@la.gov>](mailto:brian.lezina@la.gov); [McCormick, Karen <mccormick.karen@epa.gov>](mailto:mccormick.karen@epa.gov); [Roy, Kevin <kevin_roy@fws.gov>](mailto:kevin_roy@fws.gov); [Pat Williams <patrick.williams@noaa.gov>](mailto:patrick.williams@noaa.gov); [Paul, Britt - NRCS, Alexandria, LA <britt.paul@usda.gov>](mailto:britt.paul@usda.gov)
Cc: [Vititoe, Jennifer M CIV USARMY CEHQ \(USA\) <Jennifer.M.Vititoe@usace.army.mil>](mailto:Jennifer.M.Vititoe@usace.army.mil); [Brandon Champagne <brandon.champagne@la.gov>](mailto:brandon.champagne@la.gov); [Jacobson, Doug <jacobson.doug@epa.gov>](mailto:jacobson.doug@epa.gov); [Dubois, Robert <robert_dubois@fws.gov>](mailto:robert_dubois@fws.gov); [Jason Kroll <jason.kroll@noaa.gov>](mailto:jason.kroll@noaa.gov); angela.trahan@usda.gov

<angela.trahan@usda.gov>

Subject: [EXTERNAL] BS-38 Breton West Update and Change in Scope

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Good morning, Technical Committee,

NMFS and CPRA are requesting an electronic vote for a change in scope for the Breton West Landbridge Marsh Creation (West) River aux Chenes to Grand Lake (BS-38) project pursuant to Section 6.1. (2) (d) of the CWPPRA Standard Operating Procedures (ver. 28).

Please see the attached supporting materials that provide an update and change in scope request. They include:

- ??? Decision Item
- ??? Pre-bid Report
- ??? Presentation
- ??? CPRA Concurrence Letter
- ??? Updated Project Factsheet

An updated Wetland Value Assessment was prepared by NMFS and reviewed and approved by the Environmental Workgroup. The updated net acres and AAHUs as approved by the Environmental Workgroup are included in the materials.

For any additional information or further clarification, please contact Mr. Pat Williams.

Please submit your vote via email to me by close of business Friday, 20 September.

Thank you and have a great week,
Terri

Terri Von Hoven, Ph.D.
Project Manager
U.S. Army Corps of Engineers
New Orleans District
Work: (504) 862.1744

From: [Paul, Britt - FPAC-NRCS, LA](#)
To: [Von Hoven, Terri M CIV USARMY CEMVN \(USA\)](#); [Elzey, Durund F CIV USARMY CEMVN \(USA\)](#); [Brian Lezina; McCormick, Karen](#); [Roy, Kevin](#); [Pat Williams](#)
Cc: [Vititoe, Jennifer M CIV USARMY CEHQ \(USA\)](#); [Brandon Champagne](#); [Jacobson, Doug](#); [Robert Dubois](#); [Jason Kroll](#); [Trahan, Angela - FPAC-NRCS, LA](#)
Subject: [Non-DoD Source] Re: BS-38 Breton West Update and Change in Scope
Date: Friday, September 20, 2024 11:28:03 AM

NRCS votes in favor.
Thanks

Get [Outlook for iOS](#)

From: Von Hoven, Terri M CIV USARMY CEMVN (USA) <Terri.M.VonHoven@usace.army.mil>
Sent: Monday, September 9, 2024 8:12:33 AM
To: Elzey, Durund F CIV USARMY CEMVN (USA) <Durund.Elzey@usace.army.mil>; Brian Lezina <brian.lezina@la.gov>; McCormick, Karen <mccormick.karen@epa.gov>; Roy, Kevin <kevin_roy@fws.gov>; Pat Williams <patrick.williams@noaa.gov>; Paul, Britt - FPAC-NRCS, LA <britt.paul@usda.gov>
Cc: Vititoe, Jennifer M CIV USARMY CEHQ (USA) <Jennifer.M.Vititoe@usace.army.mil>; Brandon Champagne <brandon.champagne@la.gov>; Jacobson, Doug <jacobson.doug@epa.gov>; Robert Dubois <robert_dubois@fws.gov>; Jason Kroll <jason.kroll@noaa.gov>; Trahan, Angela - FPAC-NRCS, LA <Angela.Trahan@usda.gov>
Subject: BS-38 Breton West Update and Change in Scope

Good morning, Technical Committee,

NMFS and CPRA are requesting an electronic vote for a change in scope for the Breton West Landbridge Marsh Creation (West) River aux Chenes to Grand Lake (BS-38) project pursuant to Section 6.1. (2) (d) of the CWPPRA Standard Operating Procedures (ver. 28).

Please see the attached supporting materials that provide an update and change in scope request. They include:

- ??? Decision Item
- ??? Pre-bid Report
- ??? Presentation
- ??? CPRA Concurrence Letter
- ??? Updated Project Factsheet

An updated Wetland Value Assessment was prepared by NMFS and reviewed and approved by the Environmental Workgroup. The updated net acres and AAHUs as approved by the Environmental Workgroup are included in the materials.

For any additional information or further clarification, please contact Mr. Pat Williams.

Please submit your vote via email to me by close of business Friday, 20 September.

Refinement of Language of 2024 Report to Congress Request

From: [Von Hoven, Terri M CIV USARMY CEMVN \(USA\)](#)
To: [Elzey, Durund F CIV USARMY CEMVN \(USA\)](#); [Wes Leblanc](#); [Karen McCormick](#); [Roy, Kevin](#); [Pat Williams](#); [Paul, Britt - NRCS, Alexandria, LA](#)
Subject: CWPPRA Report to Congress e-vote
Date: Thursday, September 12, 2024 3:59:00 PM
Attachments: [TF 12Oct2023 Encl 3 Voting Sheets.pdf](#)

Good afternoon, Technical Committee,

Hope this finds you well and with minimal impacts from Francine.

An electronic vote is requested to revise the language of the 15 November 2023 Task Force electronic vote to approve to fund the 2024 Report to Congress in the amount of \$95,000. This revision is needed to ensure the voting language cites Planning Funds as the funding source for this effort and to document the increase to the overall FY24 Planning and Outreach Budget.

Original Vote:

"The CWPPRA Task Force approves the Technical Committee's recommendation for the development of the 2024 CWPPRA Report to Congress be funded in the amount of \$95,000."

Revised Vote:

"The CWPPRA Task Force approves the Technical Committee's recommendation to authorize Planning Funds for the development of the 2024 CWPPRA Report to Congress be in the amount of \$95,000. Approval of this request will increase the FY24 Planning and Outreach Budget (approved in May 2023) to \$5,095,000.00."

The signed voting sheets are attached for reference.

Please let me know your vote by close of business 20 September.

Thank you,
Terri

Terri Von Hoven, Ph.D.
Project Manager
U.S. Army Corps of Engineers
New Orleans District
Work: (504) 862.1744

From: [Brian Lezina](#)
To: [Elzey, Durund F CIV USARMY CEMVN \(USA\)](#); [Wes Leblanc](#); [McCormick, Karen](#); [Roy, Kevin](#); [Pat Williams](#); [Paul, Britt - NRCS, Alexandria, LA](#)
Cc: [Wes Leblanc](#); [Von Hoven, Terri M CIV USARMY CEMVN \(USA\)](#)
Subject: [Non-DoD Source] RE: CWPPRA Report to Congress e-vote
Date: Friday, September 13, 2024 8:16:23 AM
Attachments: [image001.png](#)

The State approves of the revised language.

Hope all are doing well and please reach out if you need anything,

Brian



Brian Lezina
Coastal Protection and Restoration Authority
Administrator | Planning and Research
The Water Campus | 150 Terrace Avenue | Baton Rouge, LA 70802
o: 225.342.1475
www.coastal.la.gov

CONFIDENTIALITY NOTICE

This email communication may contain confidential information which also may be legally privileged and is intended only for the use of the intended recipients identified above. If you are not the intended recipient of this communication, you are hereby notified that any unauthorized review, use, dissemination, distribution, downloading, or copying of all or any part of this communication is strictly prohibited. If you are not the intended recipient and have received this communication in error, please immediately notify us by reply email, delete this communication and destroy all copies.

From: Wes Leblanc <Wes.Lebblanc@LA.GOV>
Sent: Friday, September 13, 2024 7:52 AM
To: Brian Lezina <Brian.Lezina@la.gov>
Subject: FW: CWPPRA Report to Congress e-vote

From: Von Hoven, Terri M CIV USARMY CEMVN (USA) <Terri.M.VonHoven@usace.army.mil>
Sent: Thursday, September 12, 2024 3:59 PM
To:
Subject: CWPPRA Report to Congress e-vote

EXTERNAL EMAIL: Please do not click on links or attachments unless you know the content is safe.

Good afternoon, Technical Committee,

Hope this finds you well and with minimal impacts from Francine.

An electronic vote is requested to revise the language of the 15 November 2023

Task Force electronic vote to approve to fund the 2024 Report to Congress in the amount of \$95,000. This revision is needed to ensure the voting language cites Planning Funds as the funding source for this effort and to document the increase to the overall FY24 Planning and Outreach Budget.

Original Vote:

"The CWPPRA Task Force approves the Technical Committee's recommendation for the development of the 2024 CWPPRA Report to Congress be funded in the amount of \$95,000."

Revised Vote:

"The CWPPRA Task Force approves the Technical Committee's recommendation to authorize Planning Funds for the development of the 2024 CWPPRA Report to Congress be in the amount of \$95,000. Approval of this request will increase the FY24 Planning and Outreach Budget (approved in May 2023) to \$5,095,000.00."

The signed voting sheets are attached for reference.

Please let me know your vote by close of business 20 September.

Thank you,
Terri

Terri Von Hoven, Ph.D.
Project Manager
U.S. Army Corps of Engineers
New Orleans District
Work: (504) 862.1744

From: [Patrick Williams - NOAA Federal](#)
To: [Von Hoven, Terri M CIV USARMY CEMVN \(USA\)](#)
Cc: [Elzey, Durund F CIV USARMY CEMVN \(USA\)](#); [Wes Leblanc](#); [McCormick, Karen](#); [Roy, Kevin](#); [Paul, Britt - NRCS, Alexandria, LA](#)
Subject: [Non-DoD Source] Re: CWPPRA Report to Congress e-vote
Date: Friday, September 13, 2024 9:02:58 AM

NMFS votes "yes" for the request.

Thank you,
Patrick

When contacting me by phone, use my cell number below*

Patrick Williams
NOAA Restoration Center
5304 Flanders Dr. Suite B
Baton Rouge, LA 70808-7206
225.400.5943 (c) **NOTE NEW PHONE NUMBER*



On Thu, Sep 12, 2024 at 4:02 PM Von Hoven, Terri M CIV USARMY CEMVN (USA) <Terri.M.VonHoven@usace.army.mil> wrote:

Good afternoon, Technical Committee,

Hope this finds you well and with minimal impacts from Francine.

An electronic vote is requested to revise the language of the 15 November 2023 Task Force electronic vote to approve to fund the 2024 Report to Congress in the amount of \$95,000. This revision is needed to ensure the voting language cites Planning Funds as the funding source for this effort and to document the increase to the overall FY24 Planning and Outreach Budget.

Original Vote:

“The CWPPRA Task Force approves the Technical Committee’s recommendation for the development of the 2024 CWPPRA Report to Congress be funded in the amount of \$95,000.”

Revised Vote:

“The CWPPRA Task Force approves the Technical Committee’s recommendation to authorize

Planning Funds for the development of the 2024 CWPPRA Report to Congress be in the amount of \$95,000. Approval of this request will increase the FY24 Planning and Outreach Budget (approved in May 2023) to \$5,095,000.00.”

The signed voting sheets are attached for reference.

Please let me know your vote by close of business 20 September.

Thank you,

Terri

Terri Von Hoven, Ph.D.

Project Manager

U.S. Army Corps of Engineers

New Orleans District

Work: (504) 862.1744

From: [McCormick, Karen](#)
To: [Von Hoven, Terri M CIV USARMY CEMVN \(USA\)](#); [Elzey, Durund F CIV USARMY CEMVN \(USA\)](#); [Wes Leblanc](#); [Roy, Kevin](#); [Pat Williams](#); [Paul, Britt - NRCS, Alexandria, LA](#)
Subject: [Non-DoD Source] RE: CWPPRA Report to Congress e-vote
Date: Friday, September 13, 2024 9:19:27 AM

EPA votes "yes" for the request.

From: Von Hoven, Terri M CIV USARMY CEMVN (USA) <Terri.M.VonHoven@usace.army.mil>
Sent: Thursday, September 12, 2024 3:59 PM
To: Elzey, Durund F CIV USARMY CEMVN (USA) <Durund.Elzey@usace.army.mil>; Wes Leblanc <Wes.Leblanc@LA.GOV>; McCormick, Karen <McCormick.Karen@epa.gov>; Roy, Kevin <kevin_roy@fws.gov>; Pat Williams <patrick.williams@noaa.gov>; Paul, Britt - NRCS, Alexandria, LA <britt.paul@usda.gov>
Subject: CWPPRA Report to Congress e-vote

Caution: This email originated from outside EPA, please exercise additional caution when deciding whether to open attachments or click on provided links.

Good afternoon, Technical Committee,

Hope this finds you well and with minimal impacts from Francine.

An electronic vote is requested to revise the language of the 15 November 2023 Task Force electronic vote to approve to fund the 2024 Report to Congress in the amount of \$95,000. This revision is needed to ensure the voting language cites Planning Funds as the funding source for this effort and to document the increase to the overall FY24 Planning and Outreach Budget.

Original Vote:

"The CWPPRA Task Force approves the Technical Committee's recommendation for the development of the 2024 CWPPRA Report to Congress be funded in the amount of \$95,000."

Revised Vote:

"The CWPPRA Task Force approves the Technical Committee's recommendation to authorize Planning Funds for the development of the 2024 CWPPRA Report to Congress be in the amount of \$95,000. Approval of this request will increase the FY24 Planning and Outreach Budget (approved in May 2023) to \$5,095,000.00."

The signed voting sheets are attached for reference.

Please let me know your vote by close of business 20 September.

Thank you,
Terri

Terri Von Hoven, Ph.D.
Project Manager

From: [Roy, Kevin](#)
To: [Von Hoven, Terri M CIV USARMY CEMVN \(USA\)](#); [Elzey, Durund F CIV USARMY CEMVN \(USA\)](#); [Wes Leblanc; McCormick, Karen; Pat Williams; Paul, Britt - NRCS, Alexandria, LA](#)
Subject: [Non-DoD Source] Re: [EXTERNAL] CWPPRA Report to Congress e-vote
Date: Friday, September 13, 2024 10:02:16 AM

FWS votes to approve this request.

Kevin Roy
CWPPRA Program Coordinator
U.S. Fish and Wildlife Service
Louisiana Ecological Services
200 Dulles Drive
Lafayette, LA 70506
337-291-3120 (office) / 337-322-8612 (cell)
kevin_roy@fws.gov

From: Von Hoven, Terri M CIV USARMY CEMVN (USA) <Terri.M.VonHoven@usace.army.mil>
Sent: Thursday, September 12, 2024 3:59 PM
To: Elzey, Durund F CIV USARMY CEMVN (USA) <Durund.Elzey@usace.army.mil>; Wes Leblanc <Wes.Leb Blanc@LA.GOV>; McCormick, Karen <mccormick.karen@epa.gov>; Roy, Kevin <kevin_roy@fws.gov>; Pat Williams <patrick.williams@noaa.gov>; Paul, Britt - NRCS, Alexandria, LA <britt.paul@usda.gov>
Subject: [EXTERNAL] CWPPRA Report to Congress e-vote

This email has been received from outside of DOI - Use caution before clicking on links, opening attachments, or responding.

Good afternoon, Technical Committee,

Hope this finds you well and with minimal impacts from Francine.

An electronic vote is requested to revise the language of the 15 November 2023 Task Force electronic vote to approve to fund the 2024 Report to Congress in the amount of \$95,000. This revision is needed to ensure the voting language cites Planning Funds as the funding source for this effort and to document the increase to the overall FY24 Planning and Outreach Budget.

Original Vote:

"The CWPPRA Task Force approves the Technical Committee's recommendation for the development of the 2024 CWPPRA Report to Congress be funded in the amount of \$95,000."

Revised Vote:

"The CWPPRA Task Force approves the Technical Committee's recommendation to authorize Planning Funds for the development of the 2024 CWPPRA Report to Congress be in the amount of \$95,000. Approval of this request will increase the FY24 Planning and Outreach Budget (approved in May 2023) to

\$5,095,000.00.”

The signed voting sheets are attached for reference.

Please let me know your vote by close of business 20 September.

Thank you,
Terri

Terri Von Hoven, Ph.D.
Project Manager
U.S. Army Corps of Engineers
New Orleans District
Work: (504) 862.1744

From: [Paul, Britt - FPAC-NRCS, LA](#)
To: [Von Hoven, Terri M CIV USARMY CEMVN \(USA\)](#); [Elzey, Durund F CIV USARMY CEMVN \(USA\)](#); [Wes Leblanc; McCormick, Karen](#); [Roy, Kevin](#); [Pat Williams](#)
Subject: [Non-DoD Source] RE: CWPPRA Report to Congress e-vote
Date: Friday, September 13, 2024 10:10:41 AM

NRCS votes in favor of the revised language.

W. Britt Paul, P.E.
Assistant State Conservationist/Water Resources
USDA/NRCS
Office: 318-473-7756
Cell: 318-613-7988
Britt.paul@usda.gov

From: Von Hoven, Terri M CIV USARMY CEMVN (USA) <Terri.M.VonHoven@usace.army.mil>
Sent: Thursday, September 12, 2024 3:59 PM
To: Elzey, Durund F CIV USARMY CEMVN (USA) <Durund.Elzey@usace.army.mil>; Wes Leblanc <Wes.Lebblanc@LA.GOV>; McCormick, Karen <mccormick.karen@epa.gov>; Roy, Kevin <kevin_roy@fws.gov>; Pat Williams <patrick.williams@noaa.gov>; Paul, Britt - FPAC-NRCS, LA <britt.paul@usda.gov>
Subject: CWPPRA Report to Congress e-vote

Good afternoon, Technical Committee,

Hope this finds you well and with minimal impacts from Francine.

An electronic vote is requested to revise the language of the 15 November 2023 Task Force electronic vote to approve to fund the 2024 Report to Congress in the amount of \$95,000. This revision is needed to ensure the voting language cites Planning Funds as the funding source for this effort and to document the increase to the overall FY24 Planning and Outreach Budget.

Original Vote:

"The CWPPRA Task Force approves the Technical Committee's recommendation for the development of the 2024 CWPPRA Report to Congress be funded in the amount of \$95,000."

Revised Vote:

"The CWPPRA Task Force approves the Technical Committee's recommendation to authorize Planning Funds for the development of the 2024 CWPPRA Report to Congress be in the amount of \$95,000. Approval of this request will increase the FY24 Planning and Outreach Budget (approved in May 2023) to \$5,095,000.00."

The signed voting sheets are attached for reference.

Please let me know your vote by close of business 20 September.

Thank you,
Terri

Terri Von Hoven, Ph.D.
Project Manager
U.S. Army Corps of Engineers
New Orleans District
Work: (504) 862.1744

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

STATUS OF CWPPRA PROGRAM FUNDS AND PROJECTS

For Report:

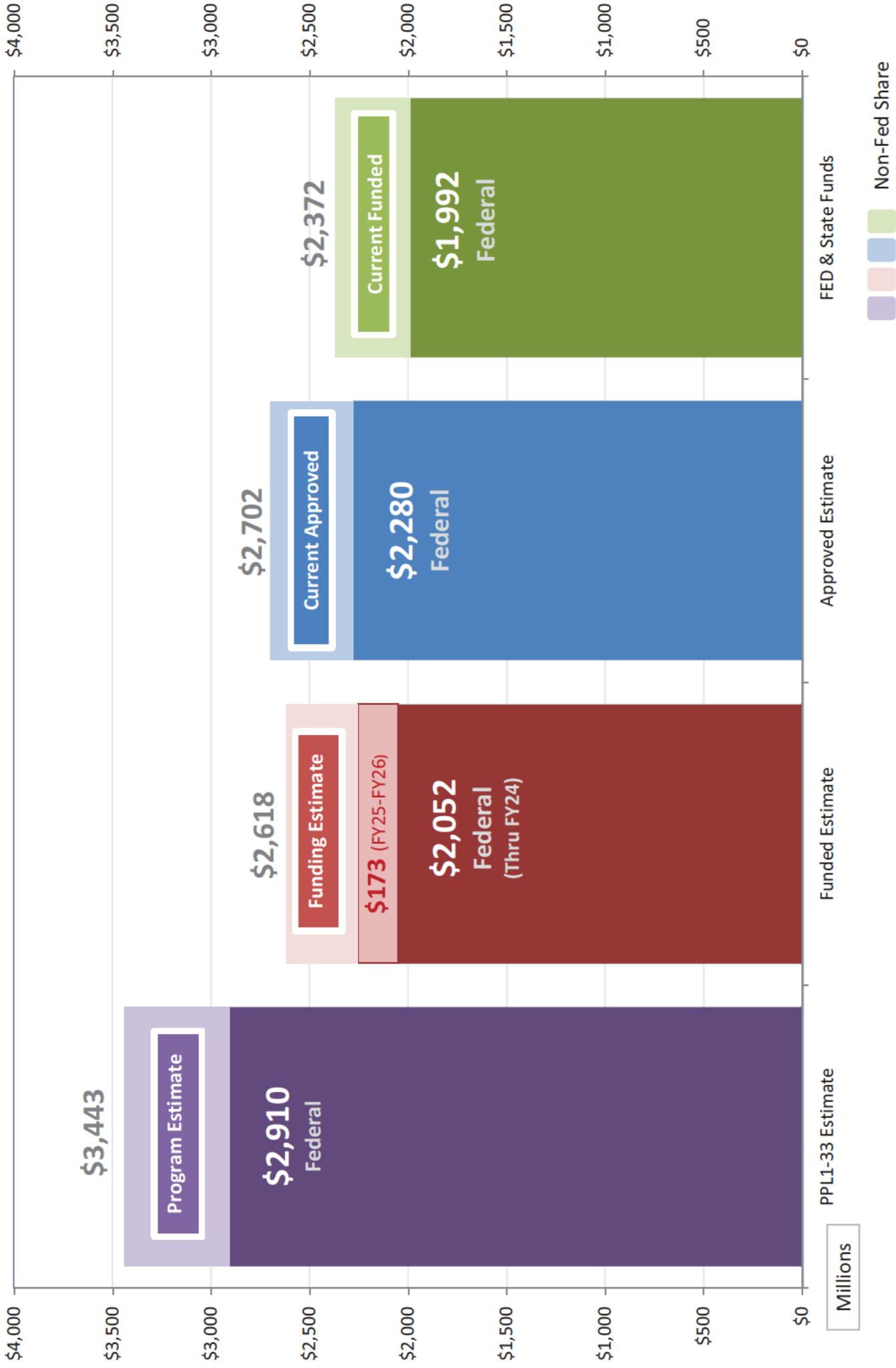
Ms. Jernice Cheavis will provide an overview of the status of CWPPRA accounts and available funding in the Planning and Construction Programs.

Status of CWPPRA Program Funds & Projects

Jernice Cheavis

3 October 2024

CWPPRA CONSTRUCTION PROGRAM



PPL1-33 Estimate

Funded Estimate

Approved Estimate

FED & State Funds

Millions

Legend:
■ Non-Fed Share
■ Federal
■ Current Funded

CWPPRA CONSTRUCTION PROGRAM



Federal Funds Received (FY92 – FY24)	\$2,052,487,050.00
Federal Cost Share Requirement (All authorized Projects)	<u>(\$1,991,675,976.63)</u>
Available Trust Funds	\$60,811,073.37

Millions

CWPPRA PROGRAM BUDGET INCREASES

Program Estimate (PPL 1-33)

\$3,422,354,396

Support Projects

Construction Program Technical Services

\$275,716

TOTAL:

\$275,716

Project Budget Increases

Goose Point/Point Platte Marsh Creation (PO-33)

\$117,725

East Marsh Island Marsh Creation (TV-21)

\$199,293

TOTAL:

\$317,018

NEW PROGRAM ESTIMATE: \$3,423,007,130

CONSTRUCTION PROGRAM FUNDING REQUESTS

Available Funds	
Carry-forward Balance	\$60,811,073
FY25 DOI Funds Estimate (Construction Funds)	\$92,110,726
TOTAL AVAILABLE:	\$152,921,799

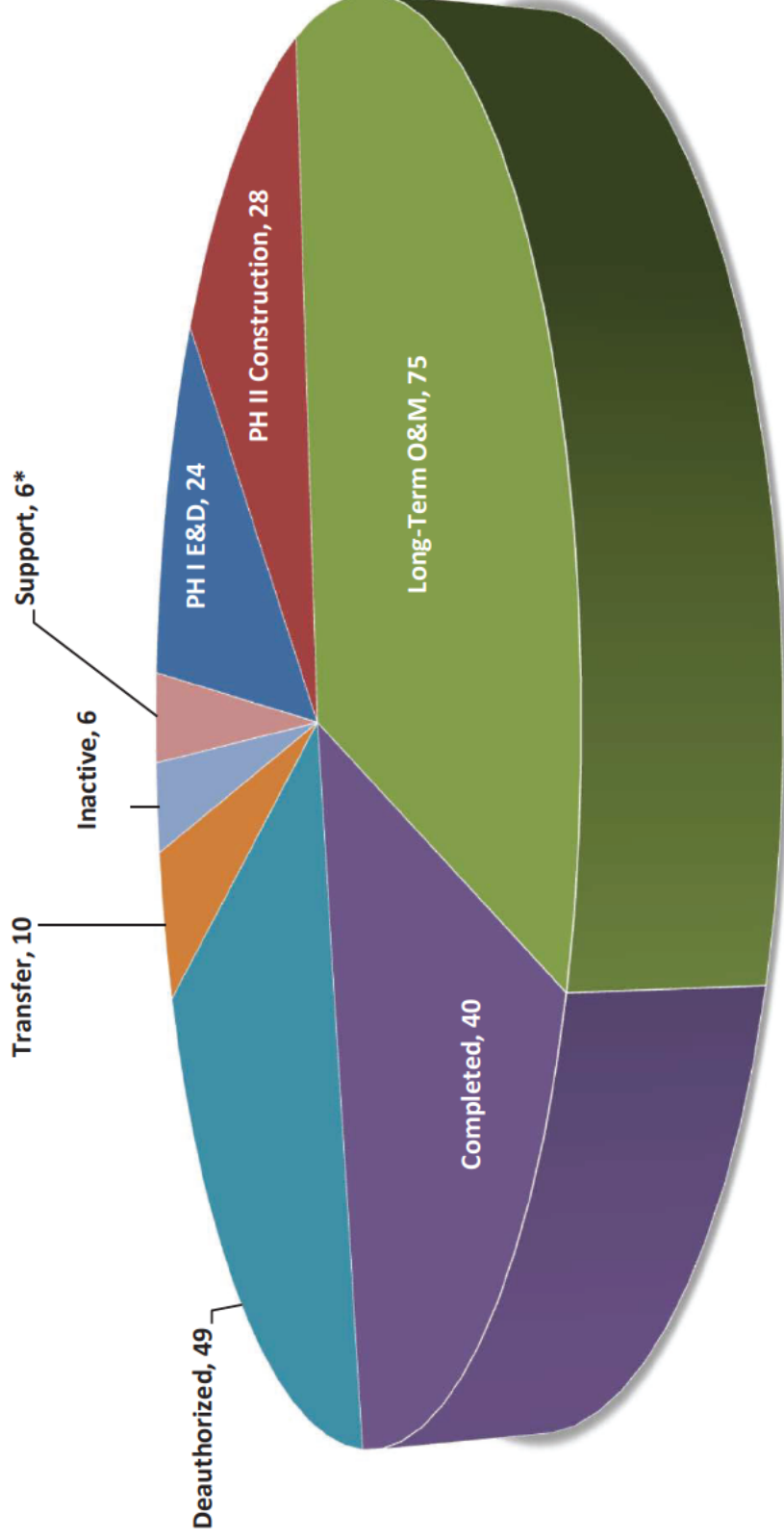
Total Requests	Funding Requests	Federal Share (85%)
COE Admin, FY27 Incremental Funding Request	\$190,457	(\$161,888)
Construction Program Technical Services	\$275,716	(\$234,358)
FY27 O&M Requests	\$4,869,200	(\$4,138,820)
FY27 Monitoring Requests	\$11,685,853	(\$9,932,975)
TOTAL ALLOCATIONS:	\$20,517,771	(\$14,468,041)

REMAINING BALANCE: \$138,453,758

CWPPRA PROJECT STATUS

TOTAL CWPPRA PROJECTS: 238

ACTIVE PROJECTS: 133



***(1) RMS (2) Monitoring Contingency Fund (3) Storm Recovery Procedures (4) Construction Program Technical Services (5) Wetland Conservation Plan**

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

CONSTRUCTION UPDATE

For Report:

The CWPPRA agencies will provide a report on projects that are currently under construction and projects that have recently completed construction.

PO-75 LaBranche Marsh Creation

CWPPRA Construction Update



Task Force Meeting
October 3rd, 2024
LaBranche Marsh
Creation

1

CWPPRA

Under Construction

PO-75 LABRANCHE MARSH CREATION
BUILT UNDER THE COASTAL WETLANDS PLANNING,
PROTECTION AND RESTORATION ACT
PUBLIC LAW 101-546
BY THE
NATURAL RESOURCES CONSERVATION SERVICE
OF THE
UNITED STATES DEPARTMENT OF AGRICULTURE
WITH THE ASSISTANCE OF THE
COASTAL PROTECTION AND RESTORATION AUTHORITY
OF LOUISIANA
2022

NO.	TITLE	DATE
1	GENERAL NOTES	10/11/22
2	CONSTRUCTION METHODS	10/11/22
3	CONSTRUCTION SCHEDULE	10/11/22
4	CONSTRUCTION PHASES	10/11/22
5	CONSTRUCTION SEQUENCES	10/11/22
6	CONSTRUCTION DETAILS	10/11/22
7	CONSTRUCTION SPECIFICATIONS	10/11/22
8	CONSTRUCTION CONTRACT	10/11/22
9	CONSTRUCTION AGREEMENT	10/11/22
10	CONSTRUCTION BIDDING	10/11/22
11	CONSTRUCTION AWARD	10/11/22
12	CONSTRUCTION START	10/11/22
13	CONSTRUCTION COMPLETION	10/11/22
14	CONSTRUCTION CLOSEOUT	10/11/22
15	CONSTRUCTION FINAL	10/11/22

2

CWPPRA


Under Construction

Project Name: LaBranche Marsh Creation Project (PO-75) (Combined PO-75 and PO-133)

Expected Construction Cost: \$43 million

Features/Status:

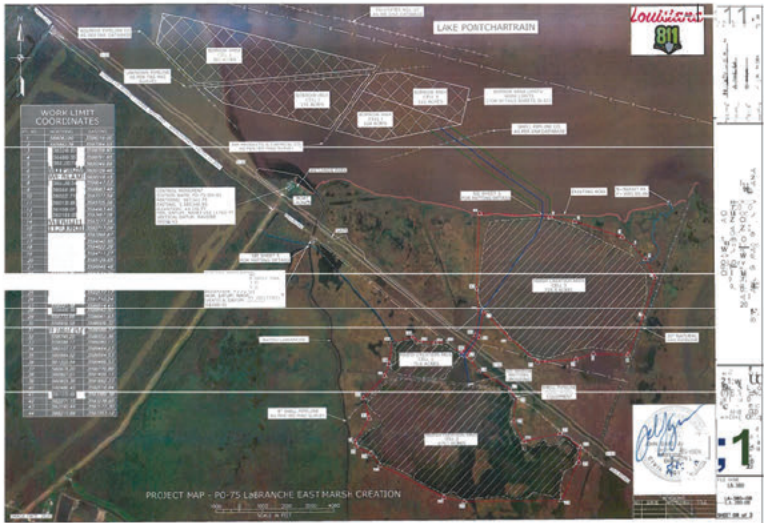
- 6.2 million cubic yards of borrow material/75% complete
- 54,618 linear feet of containment dikes/Constructed
- 6,848 linear feet of tidal creeks/Constructed
- Excavate 39 tidal ponds/Constructed




3

CWPPRA

Under Construction



PROJECT MAP - PO-75 LABRANCHE EAST MARSH CREATION



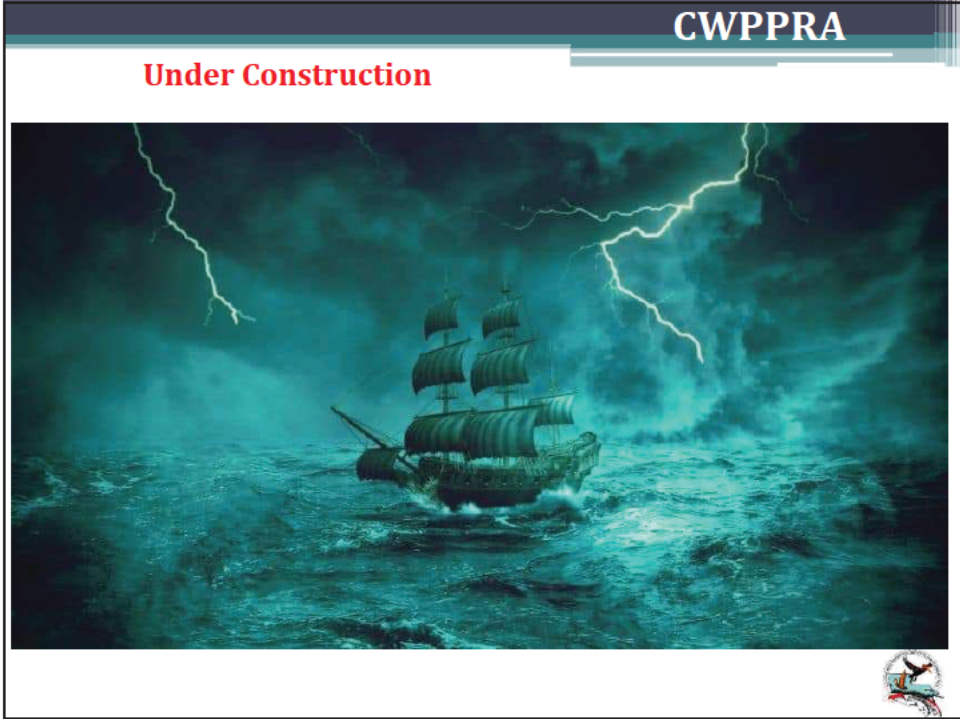
4



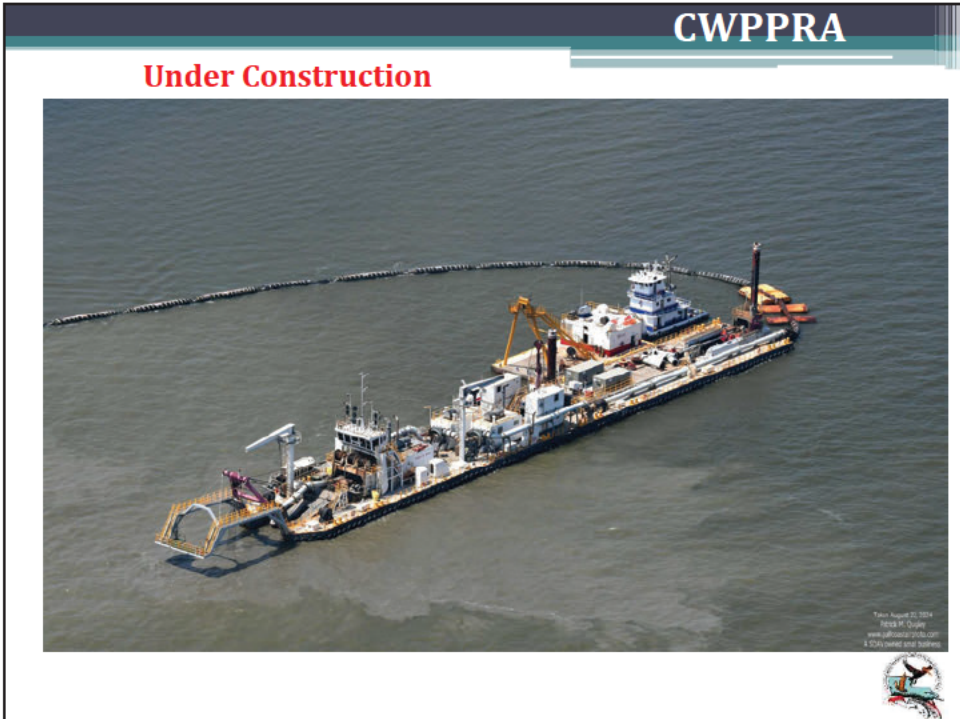
5



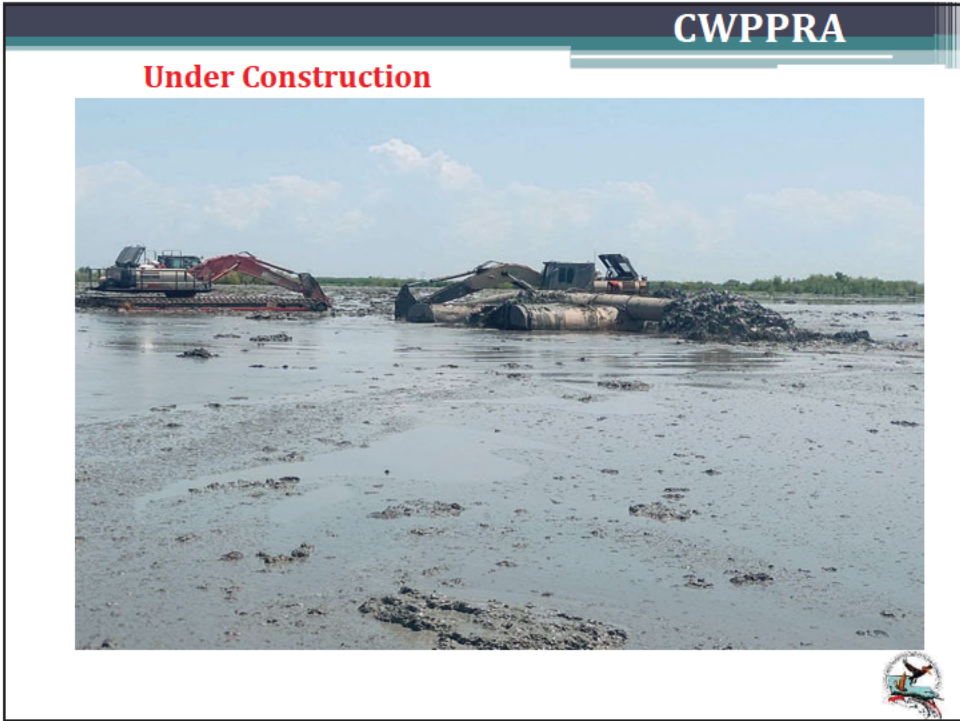
6



7



8



9



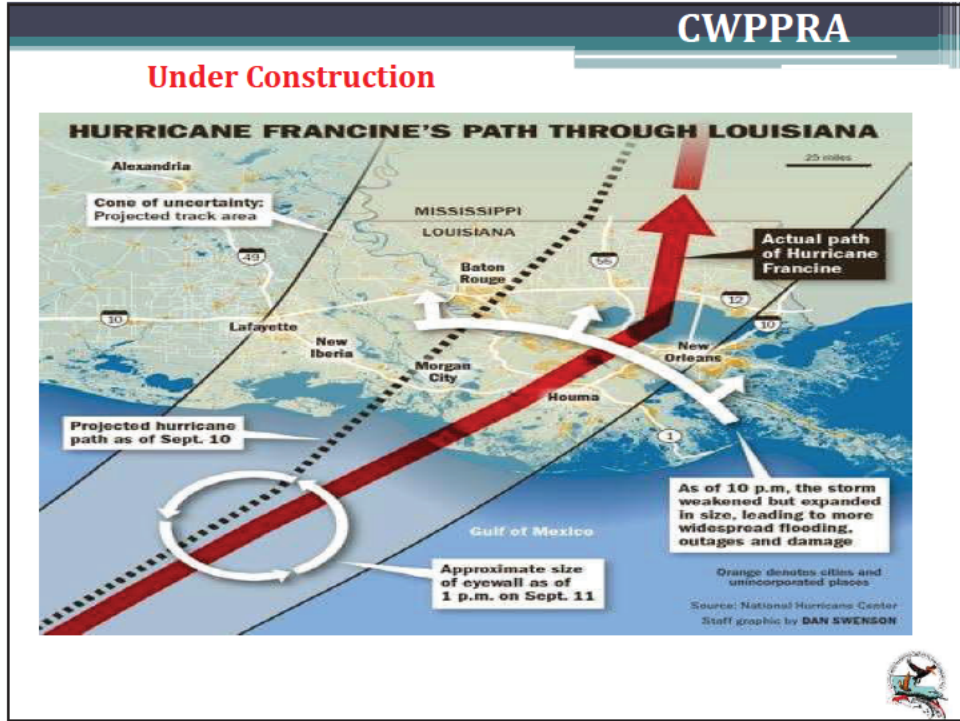
10



11



12



13



14



15



16



17



18



19



20

CWPPRA**Under Construction**

- Earthen containment dikes (ECDs) linear feet
 - MCA 1 – 7,611
 - MCA 2 – 26,000 54,510 ft
 - MCA 3 – 20,899
- 19 ponds in MCAs 1 and 2
- 20 ponds in MCA 3
- 3725 linear feet of tidal channel in MCA 2
- 2955 linear feet of tidal channel in MCA 3 6680 linear ft
- 75% complete with pumping. About 4.5 million YD³
- **Hope to be finished pumping slurry by end of 2024!**



PO-169 New Orleans Landbridge Shoreline Stabilization and Marsh Creation

CWPPRA Construction Update

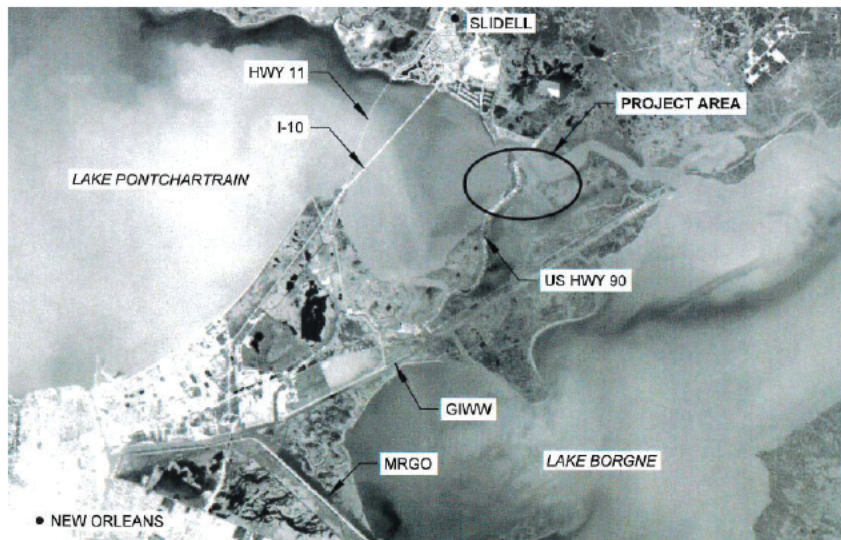
New Orleans Landbridge Shoreline Stabilization
and Marsh Creation (PO-169)



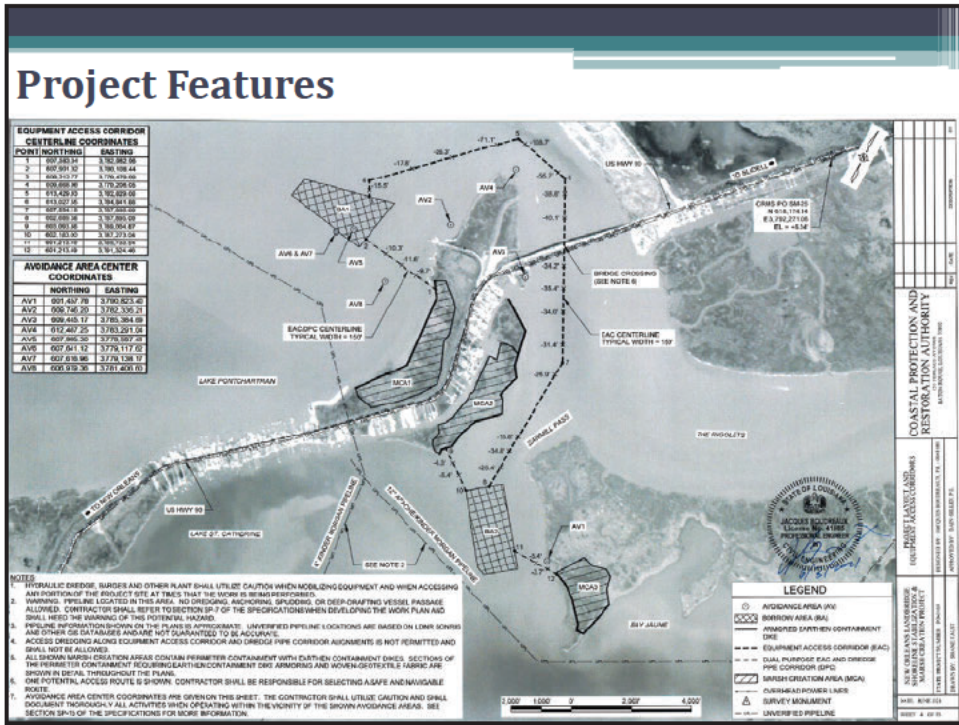
Task Force Meeting
October 3, 2024

1

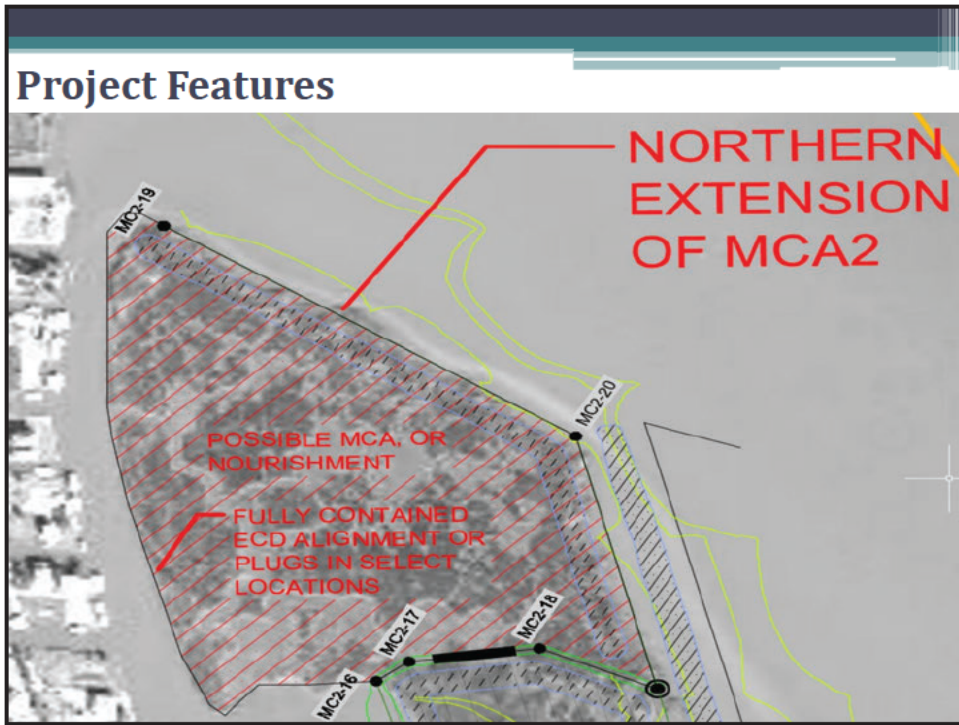
Project Location



2



3



4

Construction Progress to Date



5

Construction Progress to Date



6

Construction Progress to Date



7

CWPPRA

Currently Under Construction

Project Name: New Orleans Land Bridge Shoreline Stabilization and Marsh Creation (PO-169)

Location: Pontchartrain Basin, Orleans Parish, flanking US Hwy 190 along the east shore of Lake Pontchartrain and areas surrounding Lake St. Catherine

Status:

Notice to Proceed issued November 5, 2021

Construction began December 3, 2021

Expansion of MCA2 approved February 2023

Anticipated project completion December 2024

Expected Construction Cost: \$12,569,480 (Construction Budget-\$15.9M)



8

CS-78 No Name Bayou Marsh Creation and Nourishment

CWPPRA Construction Update



**Task Force Meeting
Oct. 3, 2024**

**No Name Bayou
Marsh Creation &
Nourishment (CS-78)**

1

PROJECT TEAM



Local Sponsor

Project Manager: Travis Moore
Project Engineer: Joanne Tribou, P.E.
Construction Manager: Jacques Boudreaux, P.E.



Federal Sponsor

Project Manager: Donna Rogers
Engineer: Jason Kroll



2

CWPPRA

Currently Under Construction

Project Name: NO NAME BAYOU MARSH CREATION & NOURISHMENT PROJECT (CS-78)

Location: CAMERON PARISH – South of Calcasieu Lake

Status:

- CONSTRUCTION START (CONTAINMENT DIKES): 7/24
- CONTRACT TIME: 455 DAYS

Current Construction Cost: \$14.8 MILLION
MIKE HOOKS, LLC

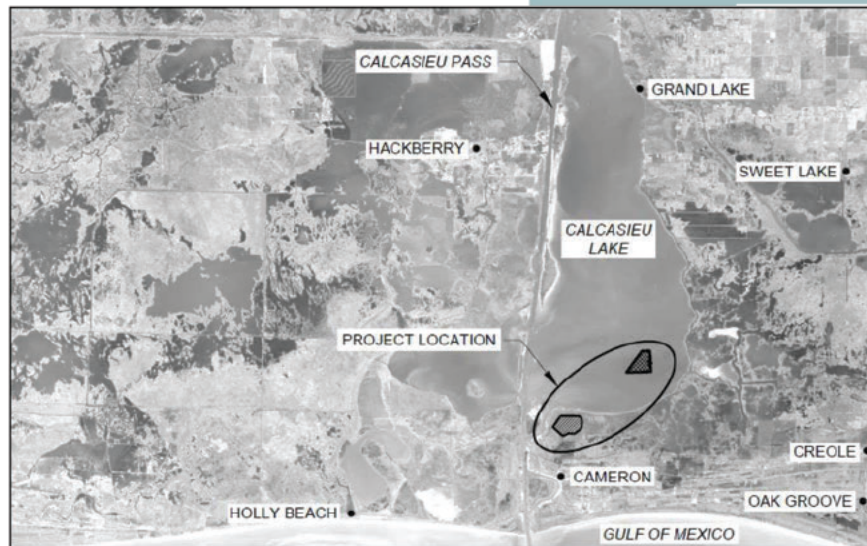


CONSTRUCTION UNDERWAY

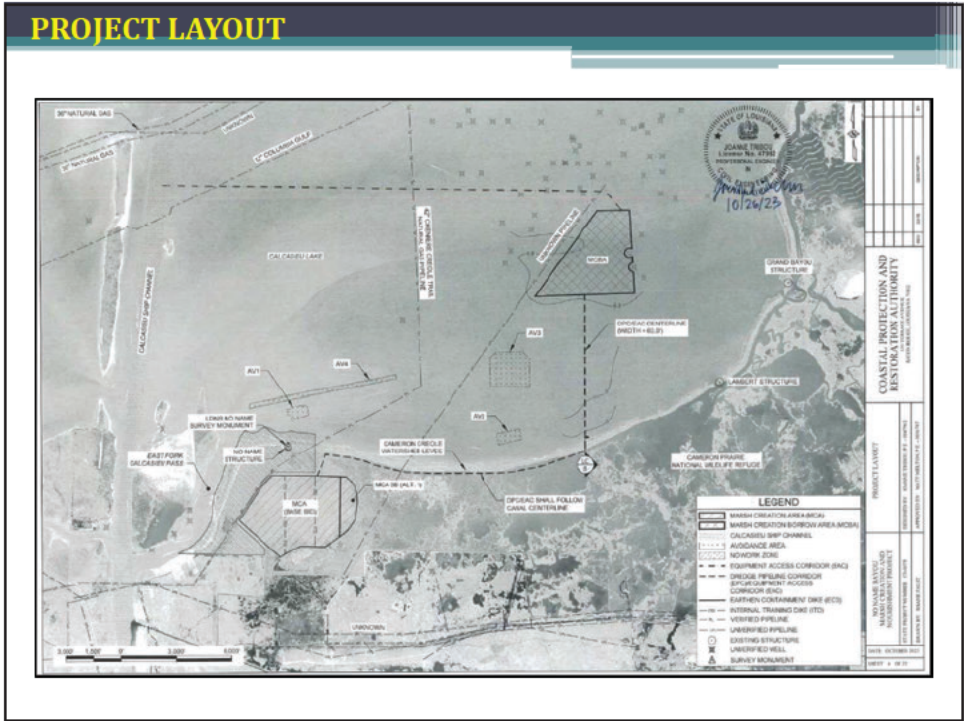


3

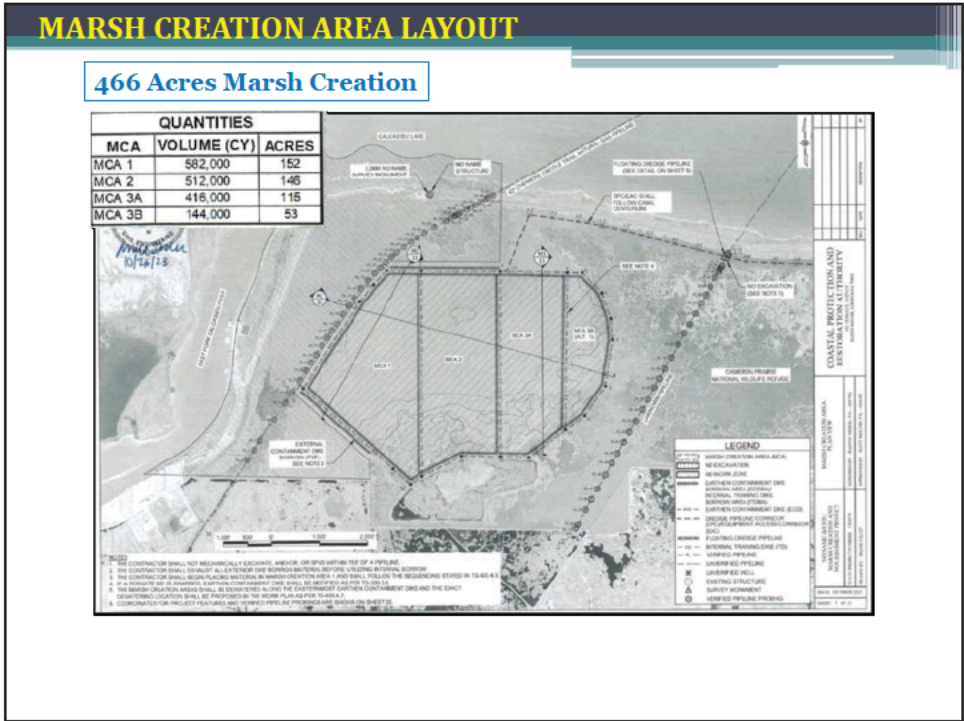
PROJECT LOCATION



4



5



6

AERIAL (7-22-24)



Photo: CPRA

7

AERIAL (8-6-24)



Photo: CPRA

8

POST-FRANCINE AERIAL (9-13-24)

**Little to No Storm-related Impacts
Internal Dikes Nearly Finished**



Photo: Mike Hooks, LLC

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

OUTREACH COMMITTEE REPORT

For Report:

The Outreach Coordinator will provide the Outreach Committee report.



COASTAL WETLANDS PLANNING, PROTECTION, AND RESTORATION ACT

RESTORING COASTAL LOUISIANA SINCE 1990

MANAGING
AGENCIES :



Public Outreach Committee Report to the CWPPRA Task Force April 18, 2024 – September 18, 2024

REPORTING PERIOD HIGHLIGHTS

- CWPPRA Public Outreach participated in numerous community events across Louisiana's coastal zone, including the Southern Regional Cooperative Soil Survey Conference, WVA Visits to Grand Chenier Marsh Creation and Gulf Shoreline Protection candidate projects, the WaterMarks360 Teacher Training Workshop at UNO, LDWF WETshop in Grand Isle, and the WYES Coastal Expo in New Orleans.
- The CWPPRA Community celebrated the return of in-person project dedication events since the Covid-19 Pandemic at the CWPPRA Coastal Celebration on May 1st, 2024, in Norco, LA! Over 100 people joined the CWPPRA Task Force in celebrating the construction of the LaBranch East Marsh Creation project. The event included speakers from NRCS, CPRA, St. Charles Parish President, and the Pontchartrain Conservancy, as well as field trips to the project site hosted by NRCS, CPRA, and Manson Construction Co. Special thanks to the CWPPRA Public Outreach Committee for their support in planning this event as well as the Restore the Mississippi River Delta Campaign for the lunch donation!
- Winners of the 4th Annual CWPPRA Wetland Writing Contest were announced in May 2024! This writing contest was established in November 2020 in memory of Jennifer Ritter Guidry, CWPPRA's Public Outreach Coordinator from 2019-2020. Over 200 students from all grade levels across Louisiana shared their poetry, personal narratives, and short stories about our wetlands. Winning submissions can be read on our social media or www.LAcoast.gov. Certificates and cash prizes have been distributed to winners in each category.
- Construction for the Nicholls State University Coastal Center is underway! CWPPRA Outreach is following along with construction updates and working with the Exhibits Committee to provide content suggestions, expertise, and feedback. We are looking forward to seeing this space develop!
- CWPPRA's WaterMarks360 Experiences are reaching people across the United States! Roughly 70% of users are based in Louisiana, 25% are located throughout the USA, and 5% of users are internationally based. The Caminada Experience alone has been accessed over 2.2 million times since its release in 2022, and Our Changing Delta has been visited approximately 796,000 times since its release in the Spring of 2023. Additionally, over 880,000 student activity guides have been downloaded, and almost one million virtual tours have been taken! The WaterMarks360 team is



currently working on the next WaterMarks360 project, which will focus on the Cameron Creole Freshwater Introduction Project (CS-49) in Southwest Louisiana.

- The CWPPRA Public Outreach Committee met on June 26, 2024, to discuss recent events and projects, as well as upcoming initiatives and new outreach materials. Members from all CWPPRA partnering agencies were present, and the committee is excited about new products on the horizon!

ELECTRONIC MEDIA/NATIONAL AND INTERNATIONAL OUTREACH

- LAcoast.gov website statistics from April 17, 2024 – September 18, 2024:
 - ◆ Successful page hits: 6,995,157
(includes pages, videos, maps, and graphics)
 - ◆ Successful requests for pages: 3,414,413
 - ◆ Data transferred: 2.86 terabytes
 - ◆ Average data transferred per day: 18.91 gigabytes
 - ◆ CWPPRA Newsflash subscribers: 1,887
- CWPPRA Social Media Information (as of 9/18/24):
 - ◆ Facebook Followers: 3,173
 - ◆ Twitter Followers: 898
 - ◆ Instagram Followers: 914
- Daily requests and information distributions from April 17, 2024 – September 18, 2024:
 - ◆ Responding to requests for information/material/photos by telephone, email, LAcoast.gov: 103
 - ◆ CWPPRA Newsflashes: 16
 - ◆ LAcoast.gov LUC posted calendar events: 130

OUTREACH ACTIVITIES

Presentations, Exhibits, Workshops, Field Trips, Meetings, and Conferences

- May 1, 2024 – CWPPRA Dedication Celebration, Norco, LA
- May 2, 2024 – CWPPRA Task Force Meeting, Baton Rouge, LA
- May 6, 2024 – Guest speaker at Corporal Middlebrook Elementary, Lafayette, LA
- May 8, 2024 – Ecosystems Mission Area Meeting Hike at Lake Martin, Breaux Bridge, LA
- May 9th, 2024 – 107th BTNEP Management Conference, Thibodaux, LA
- May 10, 2024 – Academy of Sacred Heart field trip to USGS WARC, Lafayette, LA
- May 14, 2024 – WaterMarks360 Filming at CS-49, Gibbstown, LA
- May 17, 2024 – Sea Grant Education Advisory Board Meeting, virtual
- May 21, 2024 – Southern Regional Cooperative Soil Survey Conference, Lafayette, LA
- May 30, 2024 – WaterMarks360 Development Team meeting, virtual
- May 31, 2024 – NMEA Planning Committee meeting, virtual
- June 12, 2024 – WVA Visit @ Grand Chenier MC/Gulf Shoreline Protection Projects
- June 18, 2024 – WaterMarks360 Teacher Training Workshop, UNO New Orleans, LA
- June 21, 2024 – LEEC Convening, Baton Rouge, LA
- June 26, 2024 – CWPPRA Public Outreach Committee Meeting, Lafayette, LA
- June 28, 2024 – NMEA Planning Committee meeting, virtual
- July 8, 2024 – GOMA EE Mid-Year Meeting, virtual
- July 10, 2024 – WARC All Hands Meeting, Lafayette, LA



- July 14-19, 2024 – LDWF WETshop, Grand Isle, LA
- July 15, 2024 – WaterMarks 360 Team Meeting, virtual
- July 16-17, 2024 – Wilderness First Aid Certification, Lafayette, LA
- July 24, 2024 – GIS Day Planning Meeting, virtual
- August 17, 2024 – WYES Coastal Expo, New Orleans, LA
- August 2, 2024 – Outreach & Engagement Strategies, CPRA Master Plan Team, virtual
- August 8, 2024 – BTNEP Management Conference, Thibodaux, LA
- August 20, 2024 – Nicholls Coastal Center Update Meeting, virtual
- August 26, 2024 – CRMS Guide Rewrite Team Conference Call, virtual
- August 26, 2024 – Planning Meeting for S LA Conservation Expo, virtual
- August 27, 2024 – NMEA Conference Planning Meeting, virtual
- August 30, 2024 – Planning Meeting for CCSSO Science Collaboratives Presentation, virtual
- September 5, 2024 – Technical Committee Meeting, New Orleans, LA

Partnerships / Regional Outreach / Product Development

- Fact Sheets
 - Worked with federal and state project managers to keep CWPPRA project fact sheets updated and uploaded to LaCoast.gov
 - Working with USGS programmers on updates to complete factsheet library on LAcoast.gov
- Monthly Newsletter
 - CWPPRA Outreach continues to share CWPPRA updates through the monthly newsletter format with wetland themed graphics. Sent at the beginning of each month through CWPPRA Newsflash (May, June, July, August, and September for this reporting period).
- CWPPRA materials continue to be reviewed and overall educational support continues via phone, email, meetings, and virtual and in-person outreach events.
- Relevant statewide events have been added to the CWPPRA Community Calendar as needed
- Continued coordination efforts to update, maintain, and display interactive exhibit titled *Memories & Aspirations for Coastal Louisiana: An Interactive Oral History Project* (features both “I Remember...”: *Louisiana Reflections and Stories of the Past* and “I Hope...”: *Visions for a Sustainable Future in Coastal Louisiana*)
- Continued coordination efforts to update, install, and maintain a coastal Louisiana/environmental education library book display in the with community partners
 - 7th installation at West Regional Library in St. Charles Parish, Luling, LA March 28 – May 30, 2024
- Revised the CWPPRA: *How to Guide* with assistance from partners at other agencies; update guided now available online and will be periodically shared through CWPPRA Newsflash
- Coordinated with the Louisiana Coastal Protection and Restoration Authority and the Coastal Technical Assistance Center to distribute CWPPRA Public Outreach Materials within their respective outreach efforts



- Creating an educational video series about the Coastwide Reference Monitoring System (CRMS) that includes information about how data is collected and shared, and what the data is used for on a local and global scale
- Revising the CRMS User Guide released in 2014 to match the current version of the CRMS viewer and include new tutorials for helping users become familiar with CRMS data
 - Working closely with USGS field and data scientists to revise CRMS user guide with anticipated publish date in January 2025
- Collaborating with the University of Louisiana at Lafayette and the Lafayette Science Museum to create a community event series that features local scientists sharing information about their research on a locally and culturally relevant scale
- Communicating with BTNEP and Nicholls State University about the Nicholls Coastal Center Partnership
 - Monitoring updates on facilities construction and providing content suggestions and feedback to exhibits committee
- Collaborating with WaterMarks360 partners on various completed and in-progress projects by
 - promoting virtual field trips featuring the Caminada Headlands Back Barrier Marsh Creation (BA-171) and Delta Management at Fort St Philip (BS-11) projects by posting on social media, sharing at community events and conferences, and planning teacher training sessions with partners
 - developing new virtual field trip featuring the Cameron-Creole Freshwater Introduction (CS-49) project
- Developing new outreach materials for print and digital distribution internally and with agency partners
 - Designed and printed exhibit space backdrop
 - Working to reprint the Guide to Coastal Wetland Plants
- Working closely with National Marine Educators Association team leads to plan the 2025 NMEA Conference which will be held in Lafayette, LA in June-July 2025
 - Working on a variety of subcommittees and discussing sponsorship options
- Working closely with a coalition of partners to plan the 2025 South Louisiana Conservation Expo which will be held in Lafayette, LA in June 2025
 - Working on a variety of subcommittees and discussing sponsorship options

Ongoing Partnerships

- | | |
|--|--|
| ➤ Wetland and Aquatic Research Center, USGS | ➤ LSU AgCenter |
| ➤ National Audubon Society - Audubon Delta Regional Office | ➤ Louisiana Department of Wildlife and Fisheries |
| ➤ Louisiana Environmental Education Commission | ➤ LUMCON |
| ➤ National Marine Educators Association | ➤ BTNEP |
| ➤ Louisiana Sea Grant | ➤ GOMA Education and Engagement Team |
| | ➤ Restore or Retreat |



- SwampBase – Evangeline Area Council Boy Scouts of America
- Acadiana Native Plant Project
- Atchafalaya National Heritage Area
- South Louisiana Wetlands Discovery Center
- Pontchartrain Conservancy
- Bayou Vermilion District
- Meraux Foundation/Docville Farms
- UL Lafayette Office of Sustainability
- Louisiana Travel Association
- Bayou Culture Collaborative
- Louisiana Folklife Program, Louisiana Office of Cultural Development
- Keep Louisiana Beautiful
- Council on the Development of French in Louisiana (CODOFIL)
- Coalition to Restore Coastal Louisiana (CRCL)
- Hilliard University Art Museum
- Central Creativity
- Fletcher Technical College
- Nunez Community College
- Nicholls State University
- Louisiana Endowment for the Humanities
- Louisiana Workforce Commission
- Acadiana Center for the Arts
- UL Lafayette Science Museum
- UL Press
- LaSTEM
- Louisiana Science Teachers Association
- 4H Youth Wetlands Program
- UNO Coastal Education and Research Facility (CERF)
- Louisiana Master Naturalists Program
- Wetlands Acadian Cultural Center (National Parks Service)
- Acadiana Native Plant Project
- Lafayette Parish Public Library System
- Lafourche Public Library System
- Iberia Parish Public Library System
- Eva Legard Center for Coastal and Environmental Studies

Placement of CWPPRA Educational Materials / Publications

- Academy of Sacred Heart and Berchmans Academy, Grand Coteau, LA
- USFWS Migratory Bird and Science Applications, Atlanta, GA
- NOAA, Baton Rouge, LA
- USACE, New Orleans, LA
- Coalition to Restore Coastal Louisiana, Baton Rouge, LA
- EPA, Dallas, TX
- BTNEP, Thibodaux, LA
- Louisiana Sea Grant College Program, Baton Rouge, LA
- U.S. Fish and Wildlife Service, Lafayette, LA
- USGS National Wetland and Aquatic Research Center, Lafayette, LA
- Louisiana Department of Wildlife and Fisheries, Lafayette, LA
- Lafayette Convention and Visitors Commission, Lafayette, LA
- Swamp Base, Henderson, LA
- Estuarine Habitats and Coastal Fisheries Lab, Lafayette, LA
- Louisiana Department of Wildlife and Fisheries, Baton Rouge, LA
- Atchafalaya Basin Welcome Center, Henderson, LA
- Lafayette Welcome Center, Lafayette, LA
- West Baton Rouge Museum, Port Allen, LA
- Historic New Orleans Collection, New Orleans, LA
- Tulane River and Coastal Center, New Orleans, LA
- CTAC, Thibodaux, LA 70310
- Beausoleil Bookstore, Lafayette, LA
- Vermilionville, Lafayette, LA
- Pack & Paddle, Lafayette, LA
- Mendez’s Restaurant, Lafayette, LA
- Southern Pearl Restaurant, Baton Rouge, LA
- Lafayette Parish Public Libraries
- Thibodaux Library
- Episcopal School Acadiana
- Iberia Parish Public Libraries
- St. Charles Parish Public Libraries



Scheduled Upcoming Events, Workshops, Trainings, Presentations, and Meetings


Note: Events are subject to schedule and venue changes, and CWPPRA Outreach Team attendance is based on federal safety mandates at the time of the event.

- September 24-25, 2024 – CCSSO Science Collaboratives Presentation, New Orleans, LA
- September 28, 2024: LDWF National Hunting and Fishing Day – Baton Rouge, LA
- October 6-11, 2024: Restore America’s Estuaries Summit – Washington, D.C.
- October 9, 2024: LaSTEM Summit – Lafayette, LA
- October 12, 2024: USFWS Wild Things Event at Big Branch Marsh NWR – Lacomb, LA
- October 18, 2024: University of Louisiana Lafayette Science and GIS Day – Lafayette, LA
- November 1, 2024: Louisiana Sea Grant Ocean Commotion – Baton Rouge, LA
- November 6-9, 2024: National Science Teachers Association Meeting – New Orleans, LA
- November 20, 2024: GIS Day at USGS Wetland Aquatic Research Center – Lafayette, LA
- December 5, 2024: Technical Committee Meeting – New Orleans, LA
- January 23, 2025: CWPPRA Task Force Meeting – Lafayette, LA (TBD)
- May 5-8, 2025: GOMA All Hands Meeting – Biloxi, MS
- May 20-22, 2025: State of the Coast Conference – New Orleans, LA
- June 28 – July 3, 2025: National Marine Educators Conference – Lafayette, LA



CWPPRA
Public
Outreach
Report

October 3, 2024
New Orleans, LA



1



Public Outreach Team


*Activities &
Event Highlights*


April 18, 2024 –
September 18, 2024


2

CWPPRA Coastal Celebration


Celebrating the Construction of the LaBranche East Marsh Creation Project
 May 1, 2024
 Norco, LA







- Approximately 140 attendees!
- 11 airboats, 2 groups of tours
- Great media coverage
 - [LPB LSWI Segment](#)
 - [Mellowdee Tibbs's Speech](#)
 - [Bonnet Carre' Spillway Facebook Video](#)
- Thankful for all support from the committee, workgroup, and sponsors!
- Projects in construction next spring?



3

Community Events

WaterMarks360 Activities at Corporal Middlebrook Elementary School
 May 6, 2024
 Lafayette, LA









GNOSTEM @ UNO
WaterMarks360: Our Changing Delta
Teacher Training Workshop
 May 18, 2024
 New Orleans, LA

4

Community Events



NRCSS
2024 Southern Regional Cooperative
Soil Survey Conference
May 21, 2024
Lafayette, LA



**WYES New Orleans
Coastal Expo
New Orleans, LA
August 17, 2024**







5


CWPPRA WVA Site Visits




**Gulf Shoreline Protection Project
Grand Chenier Marsh Creation
June 12, 2024**







6



Public Outreach Team
*Social Media Engagement
& Electronic Outreach*
April 18, 2024 –
September 18, 2024

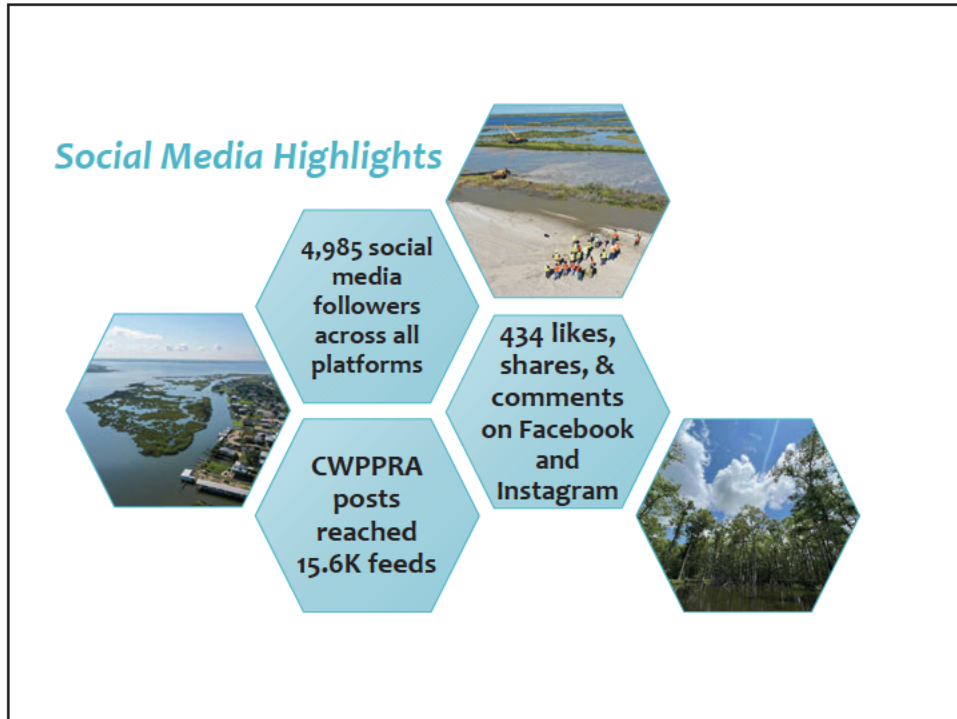
7

Social Media Highlights



- 1,887 CWPPRA Newsflash subscribers
- 130 Community Calendar events
- 16 CWPPRA Newsflashes shared

8



9

Public Outreach Team

Ongoing Projects
& Upcoming Events

April 18, 2024 –
September 18, 2024

10



Thank you for supporting the
4th Annual CWPRA Wetlands Writing Contest
 hosted by the **Coastal Wetlands Planning, Protection and Restoration Act**
in memory of Jennifer Ritter Guidry.



2024 Wetlands Writing Contest Now Winners Announced!

TABLE OF CONTENTS	
Personal Narrative	
1st Place	1st Place - Jay Gable - "The Big Leap"
2nd Place	2nd Place - Jay Gable - "The Big Leap"
3rd Place	3rd Place - Marley Latta - "Remember to the Future"
4th Place	4th Place - Marley Latta - "Remember to the Future"
5th Place	5th Place - Marley Latta - "Remember to the Future"
6th Place	6th Place - Marley Latta - "Remember to the Future"
7th Place	7th Place - Marley Latta - "Remember to the Future"
8th Place	8th Place - Marley Latta - "Remember to the Future"
9th Place	9th Place - Marley Latta - "Remember to the Future"
10th Place	10th Place - Marley Latta - "Remember to the Future"
Short Fiction	
1st Place	1st Place - Jay Gable - "The Big Leap"
2nd Place	2nd Place - Jay Gable - "The Big Leap"
3rd Place	3rd Place - Marley Latta - "Remember to the Future"
4th Place	4th Place - Marley Latta - "Remember to the Future"
5th Place	5th Place - Marley Latta - "Remember to the Future"
6th Place	6th Place - Marley Latta - "Remember to the Future"
7th Place	7th Place - Marley Latta - "Remember to the Future"
8th Place	8th Place - Marley Latta - "Remember to the Future"
9th Place	9th Place - Marley Latta - "Remember to the Future"
10th Place	10th Place - Marley Latta - "Remember to the Future"
Poetry	
1st Place	1st Place - Jay Gable - "The Big Leap"
2nd Place	2nd Place - Jay Gable - "The Big Leap"
3rd Place	3rd Place - Marley Latta - "Remember to the Future"
4th Place	4th Place - Marley Latta - "Remember to the Future"
5th Place	5th Place - Marley Latta - "Remember to the Future"
6th Place	6th Place - Marley Latta - "Remember to the Future"
7th Place	7th Place - Marley Latta - "Remember to the Future"
8th Place	8th Place - Marley Latta - "Remember to the Future"
9th Place	9th Place - Marley Latta - "Remember to the Future"
10th Place	10th Place - Marley Latta - "Remember to the Future"

209 submissions total!
 Winning submissions compiled and published [online](#).

11

WaterMarks360 Success To Date

Caminada Headlands Reach


- Total users since debut (March 2022): 735,298
- Number of total page views since debut: 2,264,153
- Total VR tours taken since debut: 568,462
- Number of student guides downloaded: 524,857

Our Changing Delta Reach

- Total users since debut (May 2023): 326,014
- over 174,000 new users since May 2024!
- Number of total page views since debut: 796,459
- Total VR tours taken since debut: 381,841
- Number of student guides downloaded: 361,705

Other Notable Statistics

- About 70% of pageviews in 2024 for the Caminada website were accessed from the Our Changing Delta website.
- Roughly 70% of users are based in Louisiana, 25% are located throughout the USA, and 5% of users are internationally based.



12

WaterMarks360: Moving Waters

NRCS Cameron-Creole Freshwater Introduction (CS-49)

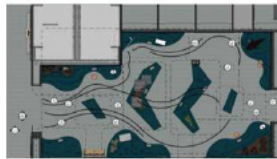
- Filming Updates: On-site filming May 14-15, 2024
- Curriculum Finalized
 - Topics: Restoration Planning, Human Alteration/
Analyzing Water Quality, Ecology and the Economy,
Ecological Engineering, Invasive Species,
Career Connections
- Informative videos in production



13

Nicholls Coastal Center

- April 2024: Exhibit Concept – A Hopeful Future
 - Pod will highlight the importance of CWPPRA and BTNEP and other government agencies in the development and implementation of coastal restoration and preservation projects.
 - Touch Screens with Virtual Field Trips, CRMS Sites
- August 2024: Exhibit production start; Meeting with Laci Melancon at NSU Coastal Center
- January 2025: Building Construction Complete
- February 2025: Exhibit Installation



14

Ongoing Projects

WaterMarks360 Projects & Teacher Training Workshops

Updated CRMS User Guide & Educational Video Series

Memories & Aspirations for Coastal Louisiana: An Interactive Oral History Project

Wetlands Reading List & Library Display

Science on the Bayou Event Series

2025 South Louisiana Conservation Expo

~~2025~~ ^{WMO} National Marine Educators Conference

USGS Education & Community Engagement Field Trips

Guide to Coastal Wetland Plants (reprint)

15



Upcoming Events and Partnerships

- September 24-25, 2024 – CCSSO Science Collaboratives Presentation, New Orleans, LA
- September 28, 2024: LDWF National Hunting and Fishing Day – Baton Rouge, LA
- October 6-11, 2024: Restore America's Estuaries Summit – Washington, D.C.
- October 9, 2024: LaSTEM Summit – Lafayette, LA
- October 12, 2024: USFWS Wild Things Event at Big Branch Marsh NWR – Lacombe, LA
- October 18, 2024: University of Louisiana Lafayette Science and GIS Day – Lafayette, LA
- November 1, 2024: Louisiana Sea Grant Ocean Commotion – Baton Rouge, LA
- November 6-9, 2024: National Science Teachers Association Meeting – New Orleans, LA
- November 20, 2024: GIS Day at USGS Wetland Aquatic Research Center – Lafayette, LA
- December 5, 2024: Technical Committee Meeting – New Orleans, LA
- January 23, 2025: CWPPPRA Task Force Meeting – (TBD)
- May 5-8, 2025: GOMA All Hands Meeting – Biloxi, MS
- May 20-22, 2025: State of the Coast Conference – New Orleans, LA
- June 28, 2025: National Marine Educators Conference – Lafayette, LA

16



General Inquiries
CWPPRA@USGS.gov

Lauren Leonpacher
Community Outreach Coordinator
LLeonpacher@contractor.usgs.gov
337.266.8623

Kacie Wright
Community Outreach Specialist
kmwright@usgs.gov
337.266.8626

Kathy Ladner
Multi-media/Web Support
ladnerk@usgs.gov
337.266.8695

www.LAcoast.gov
Facebook.com/CWPPRA Twitter.com/CWPPRA
Instagram.com/CWPPRA CWPPRA.wordpress.com

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

COASTWIDE REFERENCE MONITORING SYSTEM

For Report:

Ms. Leigh Anne Sharp will present a report on CRMS.

Coastwide Reference Monitoring System Update

LEIGH ANNE SHARP - COASTAL SCIENTIST MANAGER - LAFAYETTE REGIONAL OFFICE



1

CRMS Task Force Update: October 2024

- Programmatic Notes
 - USGS Personnel Change
 - 2024 CRMS Monitoring Update
- Storms and Drought
 - Drought and Elevation Change
 - Hurricane Francine preliminary Damage Assessment



COASTWIDE REFERENCE MONITORING SYSTEM (CRMS)

2

USGS Personnel Change

- Sarai Piazza has been promoted and has transferred most USGS CRMS duties to Rachel Villani.
 - rvillani@usgs.gov
- Dave Hewitt has also joined as the CRMS Analytical Team Lead.



Rachel Villani

COASTWIDE REFERENCE MONITORING SYSTEM (CRMS)



Sarai Piazza

CRMS0090



CRMS0121

3

2024 CRMS Monitoring

- **Spring RSET/Accretion** wrapped 4/30.
 - Captured settling and compaction but no collapse.
 - Elevation gained through expansion was maintained.
- **Summer/Fall Vegetation** monitoring is wrapping up.
 - 95% of sites collected before Hurricane Francine.
 - Will be able to ID drought impacts to swamps and marshes.
 - Expecting vegetation expansion and community shifts.
- **Spatial data collection** (coastwide flight) begins next week.
 - Data to be delivered Spring 2025
 - Will capture Francine damage
 - Potential for some land gain at sites that saw exposed mudflats re-vegetate during the drought



CRMS0494 Water Level

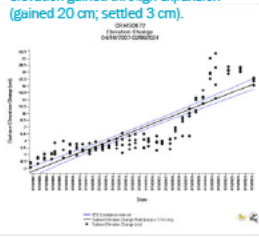
COASTWIDE REFERENCE MONITORING SYSTEM (CRMS)

4

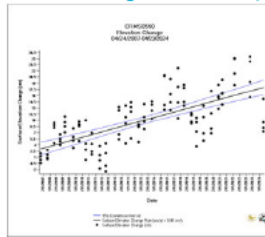
Elevation Response to Drought

- Expected to see elevation loss due to drought drawdown effect.
- Marshes did settle but didn't collapse.
- Marshes that had begun to float/stretch during the high water period maintained most of the elevation gained through soil expansion.

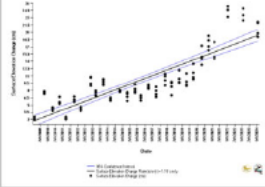
CS Basin - Floating salt marsh maintained elevation gained through expansion (gained 20 cm; settled 3 cm).



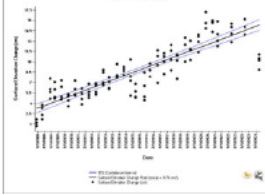
Interior ME - Floating fresh marsh settled (10 cm).



Lower BA - Ida deposition compacted (3 cm)



Lower TE - Brackish marsh settled (4 cm).

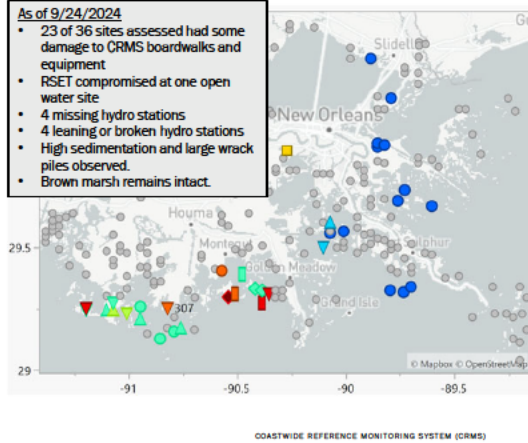


COASTWISE REFERENCE MONITORING SYSTEM (CRMS)

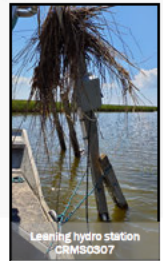
5

Hurricane Francine Damage Assessment

- As of 9/24/2024
- 23 of 36 sites assessed had some damage to CRMS boardwalks and equipment
 - RSET compromised at one open water site
 - 4 missing hydro stations
 - 4 leaning or broken hydro stations
 - High sedimentation and large wrack piles observed.
 - Brown marsh remains intact.



- Deposition and Erosion**
- High sediment deposition
 - ▲ Large wrack pile
 - ▼ Small wrack pile
 - Marsh balls
 - ◆ Erosion
 - None
- Francine CRMS Damage Class**
- RSET damaged and hydro station missing
 - Hydro station missing
 - Hydro station leaning
 - Hydro pole snapped
 - Brown marsh intact
 - missing boards
 - wrack deposition only
 - No storm impacts
 - N/A

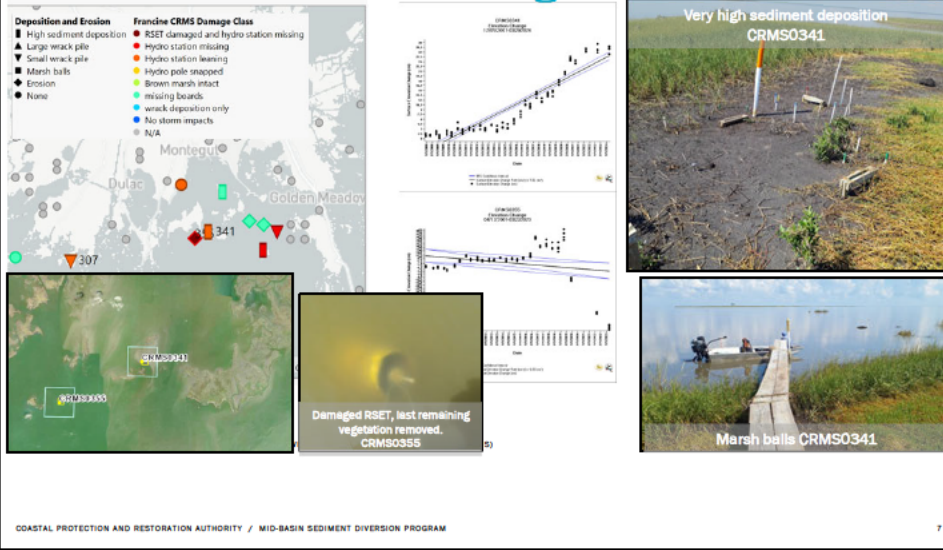


Leaning hydro station CRMS0307

COASTWISE REFERENCE MONITORING SYSTEM (CRMS)

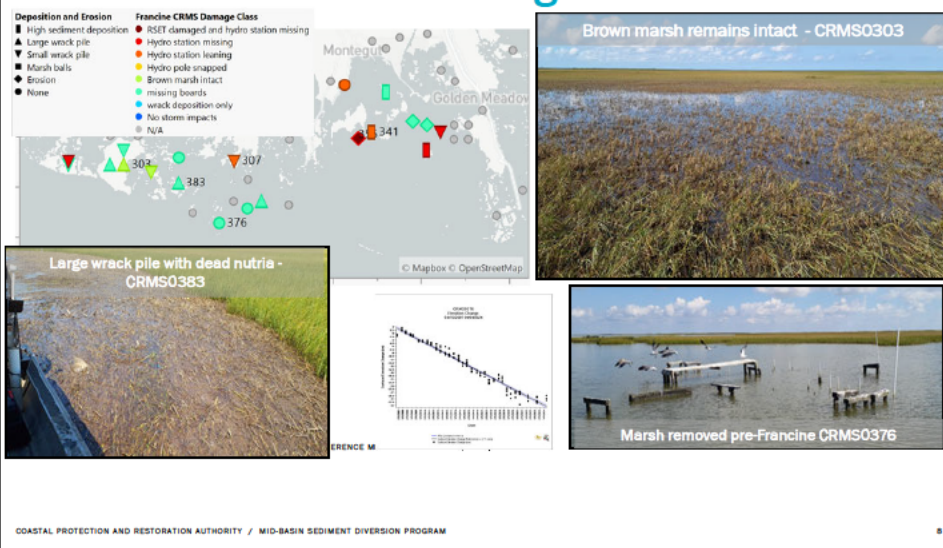
6

Hurricane Francine Damage Assessment



7

Hurricane Francine Damage Assessment



8

COASTAL PROTECTION AND RESTORATION AUTHORITY

CONNECT WITH US!



@LouisianaCPRA



COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

COASTWIDE NUTRIA CONTROL PROGRAM – ANNUAL REPORT

For Report:

Ms. Jennifer Manuel with the Louisiana Department of Wildlife and Fisheries will present an annual report on the Coastwide Nutria Control Program (LA-03b).

Coastwide Nutria Control Program 2023 - 2024

**Nutria Harvest and Distribution 2023-2024
and
A Survey of Nutria Herbivory Damage in Coastal Louisiana 2024**



***Funded by Coastal Wetlands, Planning, Protection, and Restoration Act through
the Natural Resources Conservation Service and the Coastal Protection and
Restoration Authority**

**Conducted by: Furbearer Program
Louisiana Department of Wildlife and Fisheries
As part of the Coastwide Nutria Control Program*
CWPPRA Project (LA-03b)**

**Submitted by: Jennifer Manuel
September 1, 2024**

TABLE OF CONTENTS

	Page
Section 1	Nutria Harvest Distribution 2023-2024----- 4
Section 2	A Survey of Nutria Herbivory Damage in Coastal Louisiana in 2024----- 12
Section 3	Summary----- 20
 Figures	
	Figure 1 (Annual Nutria Pelt Sales and Avg. Price per Pelt) ----- 5
	Figures 2A-B (Participants level of Harvest) ----- 8
	Figure 3 (Nutria Harvest per Month) ----- 9
	Figure 4 (Harvest by Marsh Type) ----- 10
	Figure 5 (Method of Take) ----- 10
	Figure 6 (Method of Take by Marsh Type) ----- 10
	Figure 7 (Harvest by Parish) ----- 11
	Figure 8 (Damage Type) ----- 15
	Figure 9 (Percentage of Damaged Acres per Parish) ----- 15
	Figures 10A-C (Locations of Damage by Marsh Type) ----- 16
	Figure 11 (Nutria Relative Abundance Rating) ----- 17
	Figure 12 (Vegetative Damage Rating) ----- 17
	Figure 13 (Age of Damage and Condition Rating) ----- 18
	Figure 14 (Prediction of Recovery) ----- 18
	Figure 15 (CNCP Progress) ----- 20
	Figure 16 (Total Tails by Parish over all Seasons) ----- 23
	Figure 17 (Tail Collection Data Sheet) ----- 24
 Tables	
	Table 1 (Carcass Use) ----- 11
	Table 2 (Three Years Prior to CNCP) ----- 21
	Table 3 (Twenty Years of the CNCP) ----- 21
	Table 4 (Nutria Harvest by Parish Seasons 1-22) ----- 26
	Table 5 (Method of Take by Parish Seasons 1-22) ----- 30
	Table 6 (Status and Number of Nutria Herbivory Sites) ----- 36
	Table 7 (Number of Nutria Damage Sites and Acres) ----- 37
	Tables 8 (Number of Damage Sites and Acres by Marsh Type) ---- 42
	Tables 9 (Nutria Relative Abundance Rating) ----- 44
	Tables 10 (Vegetative Damage Rating) ----- 46
	Tables 11 (Age of Damage and Condition Rating) ----- 48
	Tables 12 (Prediction of Recovery) ----- 50
	Table 13 (2024 Nutria Veg. Damage Survey Results) ----- 55

Appendices

Appendix A -----	25
- Season Comparison Data	
Appendix B -----	52
- 2023-2024 Harvest and 2023 Damage Sites Map	
- 2024 Veg. Damage Survey Results	
- 2024 Veg. Damage Survey Data Sheet	
- Code Key for Veg. Damage Survey Data Sheet	

Section 1

Nutria Harvest Distribution for 2023-2024

Introduction

The nutria (*Myocastor coypus*) is a large semi-aquatic rodent indigenous to South America. The first introduction of nutria to North America occurred in California in 1899; however, it was not until the 1930's that additional animals were introduced in seven other states primarily for fur farming. These fur farms failed during the Second World War as a result of poor pelt prices and poor reproductive success. After the failures of these fur farms, nutria was released into the wild. Seventeen states in the US now have feral nutria populations.

The Gulf Coast nutria population originated in Louisiana in the 1930's from escapes and releases from nutria farms. Populations first became established in the western coastal portion of the state and then later spread to the east through natural expansion coupled with stocking. During the mid-1950's, muskrat populations were declining, nutria had little fur value, and serious damage was occurring in rice fields in southwestern Louisiana and sugarcane fields in southeastern Louisiana; farmers complained about damage to crops and levee systems, while muskrat trappers blamed the nutria for declining numbers of muskrats. In 1958, the Louisiana Legislature placed the nutria on the list of unprotected wildlife and created a \$0.25 bounty on every nutria killed in 16 south Louisiana parishes, but funds were never appropriated.

Research efforts were initiated by the federal government in the southeastern sugarcane region of the state to determine what control techniques might be successful. This research conducted by the U.S. Fish and Wildlife Service during the 1960's examined movements in relation to sugarcane damage and recommended shooting, trapping, and poisoning in agricultural areas. Ted O'Neil, Chief of the Fur and Refuge Division, Louisiana Department of Wildlife and Fisheries (LDWF), believed that the problem could only be solved through the development of a market for nutria pelts. A market for nutria developed slowly during the early 1960's and by 1962 over 1 million pelts were being utilized annually in the German fur trade. The nutria became the backbone of the Louisiana fur industry for the next 20 years, surpassing the muskrat in 1962 in total numbers harvested. In 1965, the state legislature returned the nutria to the protected list. As fur prices showed a slow rise during most of the 1970's and early 1980's, the harvest averaged 1.5 million pelts and complaints from agricultural interest became uncommon. From 1971 through 1981 the average annual value of the nutria harvest to the coastal trappers was \$8.1 million. The nutria harvest in Louisiana from 1962 until 1982 remained over 1 million annually. The harvest peaked in 1976 at 1.8 million pelts worth \$15.7 million to coastal trappers (Figure 1).

The nutria market began to change during the early 1980's. In 1981-1982, the nutria harvest dropped slightly below 1 million. This declining harvest continued for two more seasons; then in the 1984-1985 season, the harvest jumped back up to 1.2 million. During the 1980-1981 season, the average price paid for nutria was \$8.19. During the 1981-1982 season, the price dropped to \$4.36 and then in 1982-1983, the price dropped to \$2.64. Between the 1983-1984 season and the 1986-1987 season, prices fluctuated between \$3.00 and \$4.00. Then in 1987-1988 and again in 1988-1989 prices continued to fall (Figure 1). From 1982 through 1992 the average annual value of the nutria harvest was only \$2.2 million. Between 1988-1989 and 1995-1996 the number of nutria harvested annually remained below 300,000 and prices remained at or below a \$3.00 average.

Due to a strong demand for nutria pelts in Russia in both 1996-1997 and in 1997-1998, 327,286 nutria were harvested at an average price of \$4.13 and 359,232 nutria were harvested at an average price of \$5.17 during those seasons respectively. In September 1998, the collapse of the Russian economy and general instability in the Far East economies weakened the demand for most wild furs including nutria. The demand for nutria pelts in Russia declined quickly due to the devaluation of the Russian ruble. During the 1998-1999 trapping season, pelt values fell to \$2.69 and harvest decreased to only 114,646, less than one-third of the previous year. During the 1999-2000 trapping season there was virtually no demand for nutria pelts. The harvest decreased to 20,110 nutria. This was, by far, the lowest nutria harvest on record since the mid-1950's. The number of nutria harvested in 2000-2001 trapping season increased to 29,544. The value of nutria pelts decreased to \$1.75 during the 2001-2002 season, prompting another decrease in harvest to 24,683 nutria. The nutria fur market has never recovered.

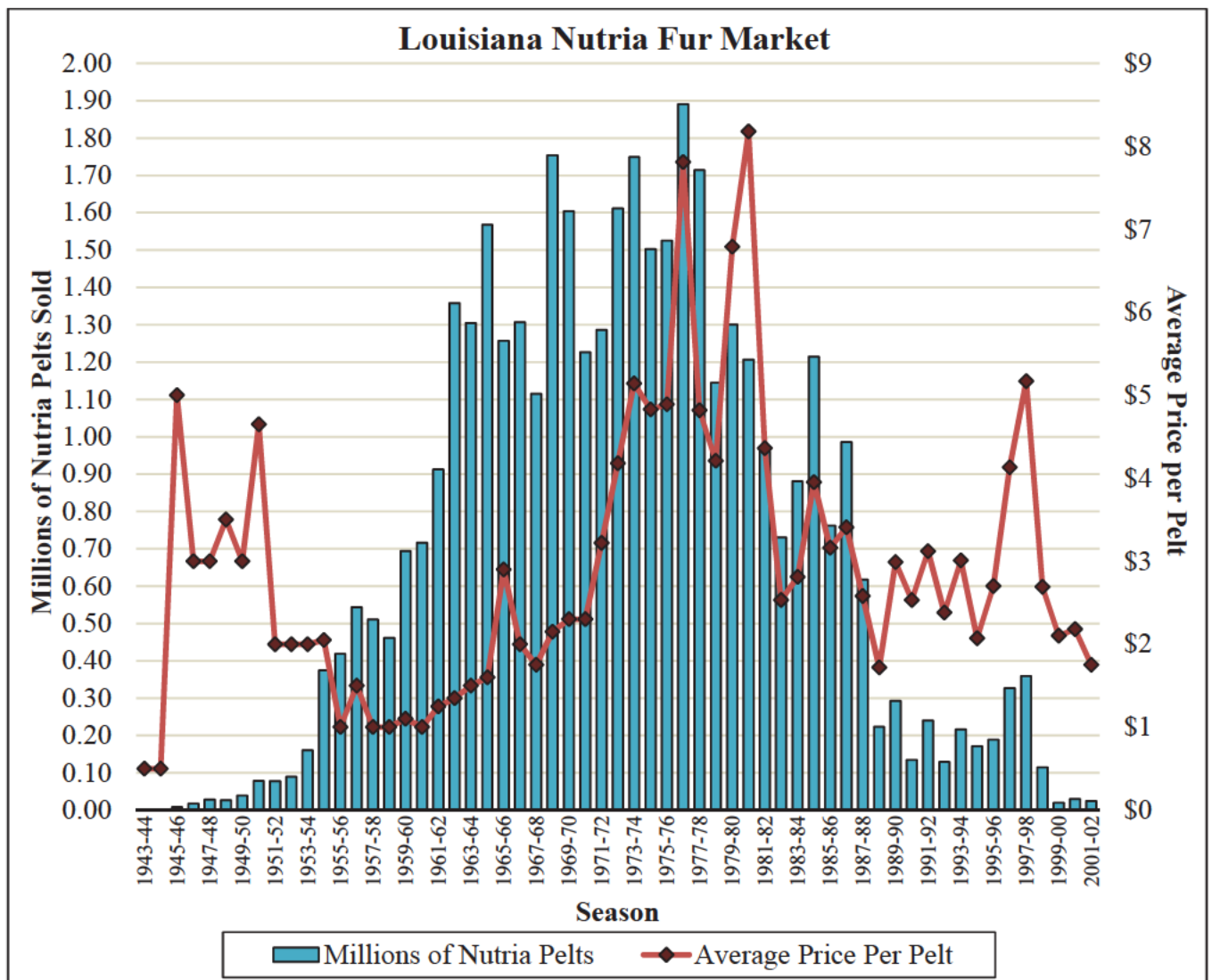


Figure 1. Louisiana fur market 1943 – 2002 (the season prior to CNCP implementation).

During the strong market period for nutria pelts, there were no reports of wetland damage caused by nutria. However, before the market developed and after the market declined, reports of marsh vegetation damage from land managers became common. Such complaints began in 1987 and became more frequent during the early 1990's. In response, the Fur and Refuge Division (LDWF) initiated limited aerial survey flights, particularly in southeastern Louisiana. Survey flights of Barataria and

Terrebonne basins were conducted during the 1990's, with initial support from Barataria-Terrebonne National Estuary Program (BTNEP) and later support from Coastal Wetlands Planning, Protection and Restoration Act (CWPPRA). From 1993 to 1996 these flights showed acres of damage increasing from approximately 45,000 to 80,000 acres within the basins. The first CWPPRA funded coastwide survey, conducted in 1998, showed herbivory damage areas totaling approximately 90,000 acres. By 1999 this coastwide damage had increased to nearly 105,000 acres. This rapid and dramatic increase in damaged acres prompted LDWF to pursue funding for the Coastwide Nutria Control Program (CNCP) in January 2002.

The project is funded by the CWPPRA through the Natural Resources Conservation Service (NRCS) and the Coastal Protection and Restoration Authority (CPRA) with the LDWF as the lead implementing agency. Task one requires LDWF to conduct an annual aerial survey to evaluate the herbivory damage caused by nutria. Task two of the CPRA and LDWF Interagency Agreement No. 2511-02-29 for the CNCP requires LDWF to conduct general project operation and administration. LDWF is required to 1) conduct and review the registration of participants in the CNCP; 2) establish collection stations across coastal Louisiana; 3) count valid nutria tails and present participants with a receipt/voucher; 4) deliver tails to an approved disposal facility and receive documentation that ensures the nutria will be properly disposed of and shall not leave the facility; and 5) process and maintain records regarding participants, number and location where tails were collected. Task 3 requires LDWF to provide incentive payments to program participants and task 4 requires LDWF to provide a report regarding the distribution of the harvest by township.

The program area is coastal Louisiana bounded to the north by Interstate-10 from the Texas state line to Baton Rouge, Interstate-12 from Baton Rouge to Slidell, and Interstate-10 from Slidell to the Mississippi state line. The project goal is to significantly reduce damage to coastal wetlands attributable to nutria herbivory by removing 400,000 nutria annually. This project goal is consistent with the Coast 2050 common strategy of controlling herbivory damage to wetlands. The method chosen for the program is an incentive payment to registered trappers/hunters for each nutria tail delivered to established collection centers. Initially, registered participants were given \$4.00 per nutria tail. To encourage participation, the payment was increased to \$5.00 per tail in the 2006-2007 season and \$6.00 before the 2019-2020 season.

Methods

The application for participation in the CNCP was developed in July 2002 but is reviewed annually and updated as needed. It was made available through the LDWF offices and the www.nutria.com website. Past participants were automatically sent an application in September of 2022. In order for a participant to be qualified, the individual must complete the application, obtain written permission from a landowner or land manager with property in the program area, complete a W-9 tax form and provide LDWF with a complete legal description of the property to be hunted or trapped. A map outlining the property boundaries was an added requirement of participants beginning with the 2003-2004 season. Once an applicant was accepted, the participant was mailed information on the program's regulations, collection sites for nutria tails, contact information and a CNCP registration card.

Coastal Environments Inc. (CEI) was selected as the contractor to develop and maintain the program database, collect nutria tails, and distribute incentive payment checks to participants for tail harvests. The contract with CEI, which began with the 2002-2003 season, was extended to include the 2003-2004 through 2006-2007 seasons, with the option to renew for 3 years thereafter. CEI was awarded the contract again in 2010, 2015 and again in 2020. All were three-year contracts with the option to renew

an additional two years. Tail collection sites were originally established at Rockefeller Refuge, Abbeville, Berwick (Morgan City), Houma, and Luling. Slidell and St. Bernard have since been added. Collections were made once a week at most sites except Abbeville and Rockefeller were by appointment only, Slidell and St. Bernard were scheduled biweekly. Rockefeller was removed as a collection site for the 2020-2021 season due to the extensive damage caused by both Hurricanes Laura and Delta but was added back in as a collection location last season.

Louisiana's open trapping season began on November 20, 2023. Nutria tail collections began November 21, 2023 and were scheduled to continue through April 5, 2024, which was 1 week after the season closed. Collections were made utilizing a 16 foot by 8 foot trailer containing a freezer, sorting table and desk. Participants reported to the collection site of their choice, presented their nutria control program registration card, and presented their tails to a CEI representative.



One CEI representative conducted an exact count of the nutria tails, which was then verified with the participant to ensure they were in agreement. At that time, the counted tails were placed into a plastic garbage bag labeled with the participant's CNCP registration number and the number of tails contained in that bag. Another CEI representative filled out a voucher on a tablet PC for the number of tails delivered, checking to make sure the mailing address of the participant was correct. The participant was asked a wide range of questions including method of take, location of take, and method of disposal (Figure 17). When complete, the voucher was signed using a stylus by the participant who would also indicate on a detailed map of their lease the location or locations where the nutria were harvested. The CEI representative would use a stylus to draw a polygon around the indicated area in a mapping program and save an electronic copy of the completed voucher. A copy of the voucher was printed and given to the participant. LDWF personnel conducted random audits of collected tails to ensure accuracy in counting and incentive payments.



The information on the voucher was transferred electronically to the CEI main offices via an FTP site for analysis and quality control. The data transfer occurred at the end of each collection day. Collected tails were transported to the BFI waste storage facility in Sorrento, Louisiana, at the end of each

collection week or more frequently if necessary. The CEI representative checked in at a guard station where the vehicle containing the tails was weighed. The vehicle was also weighed when exiting the disposal site in order to calculate the exact amount of waste deposited at the facility. The tails were deposited into a biohazard waste pit under supervision of a BFI employee. The number of bags disposed, as well as weight deposited, was recorded on a receipt given to the CEI representative. Copies of the receipts for all disposals made were supplied to LDWF.

The digitized vouchers and maps went through a rigorous QA/QC process each week which would end with the data being compiled and sent in a weekly report to LDWF detailing each transaction, including digital maps exported from ArcMap of that week's trapped/hunted areas. Each Monday morning, after receiving a weekly report and bill, LDWF sent a payment to CEI for the amount of tails collected and services rendered. CEI in turn sends participants checks through the mail for the amount of tails turned in. After the conclusion of the season, CEI provided LDWF with all the transaction information for the entire season from November to March. This final report contains information recorded on the vouchers, the digitized trapped/hunted area, the nutria control program database and an ArcMap project map with related information.

Results and Discussion

Participant Totals

We registered a total of 416 participants in the program for the 2023-2024 season. A total of 401,312 nutria tails worth \$2,407,872 in incentive payments were collected from 258 active participants. The fewest number of tails turned in by a single participant was 10 and the greatest number of tails by a single participant was 47,856. Approximately 36% of active participants turned in 800 or more tails (Figure 2A). Of the 93 participants who turned in 800 or more tails, 24% turned in more than 4,000 tails (Figure 2B).

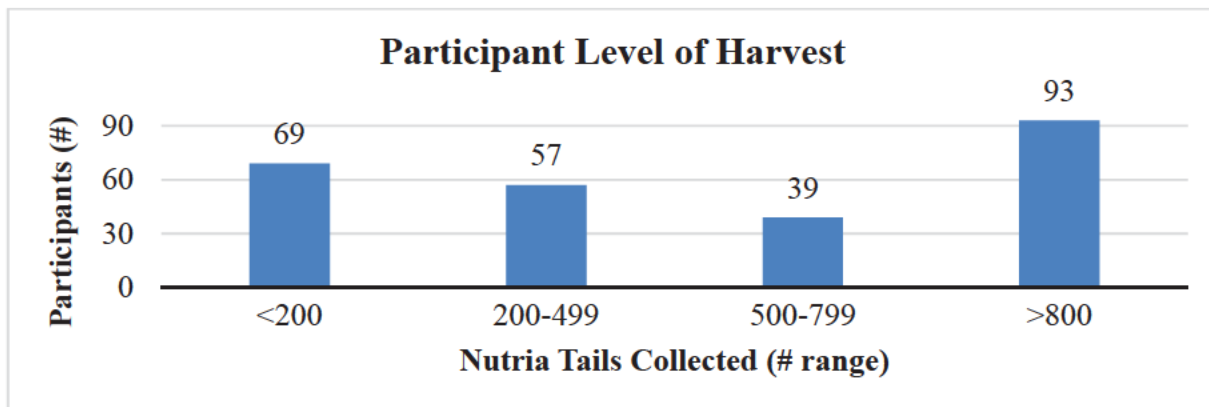


Figure 2A. Participant level of harvest for all 258 active participants.

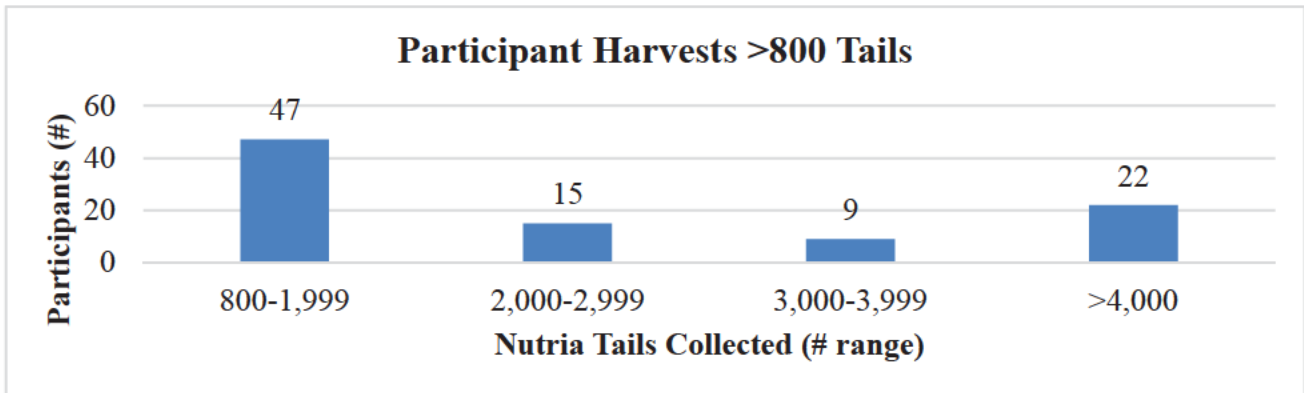


Figure 2B. Participant level of harvest for the 93 participants who harvested more than 800 tails.

Harvest by Month

The 2023-2024 trapping season began November 20th, 2023 and continued through March 31st, 2024. One hundred and sixteen thousand seven hundred and fifty-two (116,752) tails were collected in the month of February making it the most active month of the season (Figure 3).

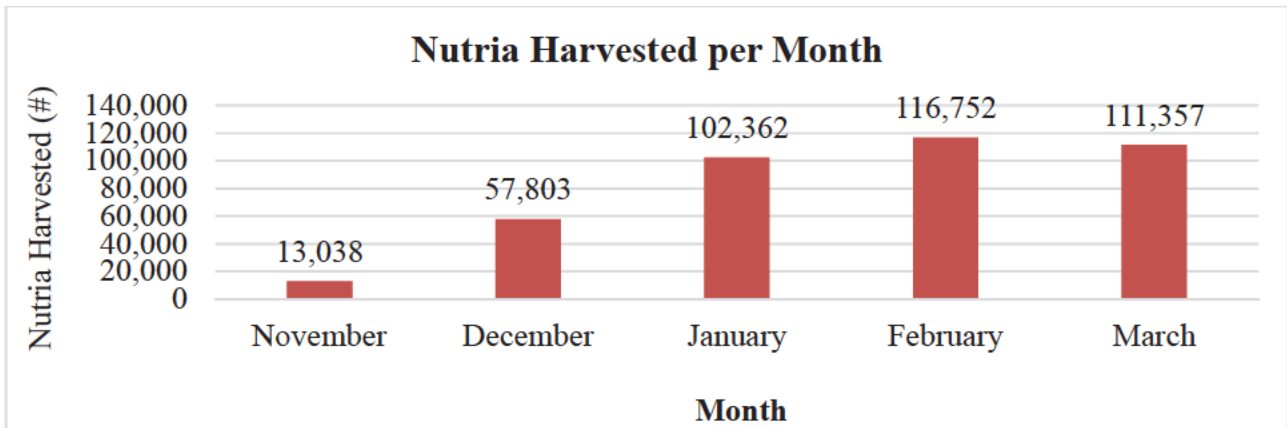


Figure 3. CNCP nutria harvest per month.

Harvest by Marsh Type

Harvest data were classified by marsh type: Fresh Marsh; Intermediate Marsh; Brackish Marsh; Salt Marsh; Swamp; and Other. The category Other includes developed properties and agricultural areas. During the 2023-2024 season, 24% of nutria were harvested from Fresh Marsh, Swamp (27%), Intermediate (24%), Brackish (13%), Salt (5%), and Other (7%; Figure 4). During the first 15 seasons, we reported harvests for a category called Open Water, which were leases having more acres of open water than land acres. We eliminated Open Water during the 2016-2017 season because that category was too vague and instead these harvests are included in the marsh type category that comprised the most land acres within the lease area.

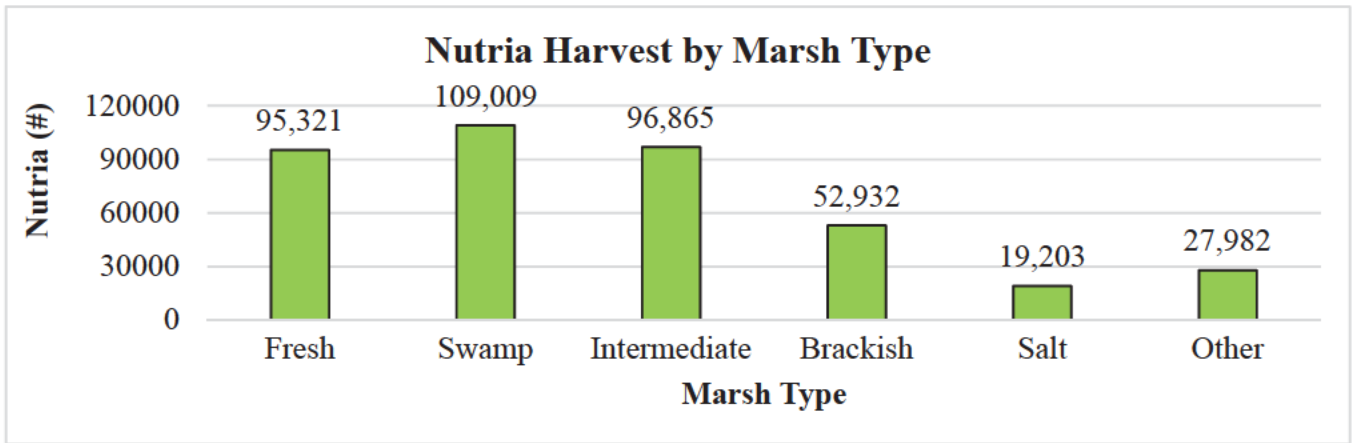


Figure 4. CNCP nutria harvest by marsh type.

Method of Take

During collection transactions, program participants indicated their method of take: trapped; shot with rifle; or shot with shotgun. The predominant method of take used in the 2023-2024 season was shooting with a rifle (Figure 5).

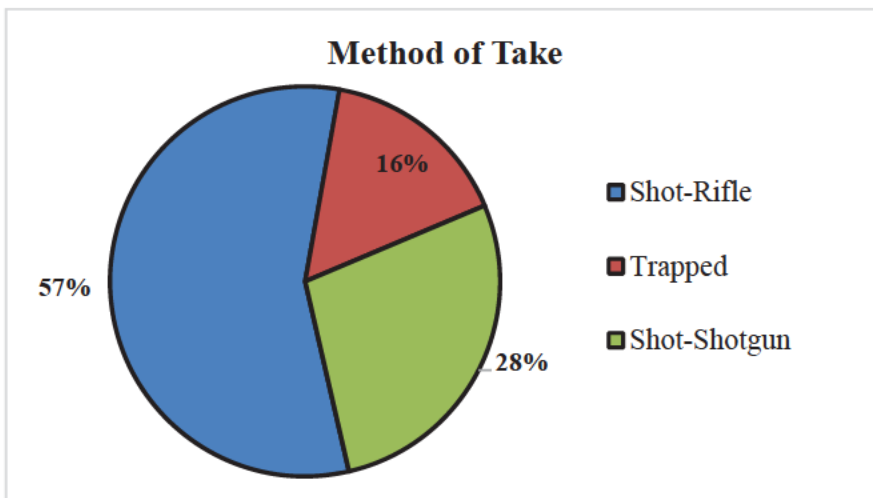


Figure 5. Method of take.

Harvesting with a rifle is the most common method of take used in all marsh types (Figure 6).

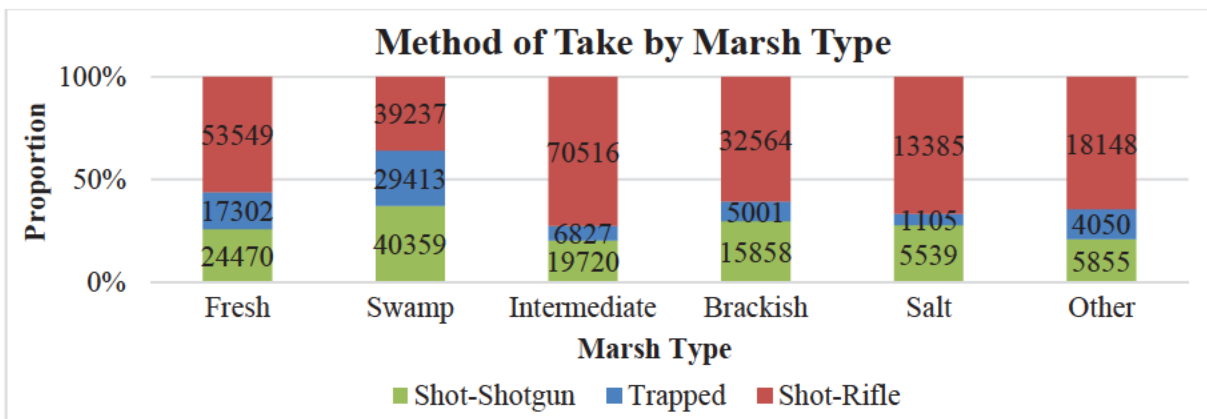


Figure 6. Method of take within each marsh type.

Carcass Use/Disposal

Use or method of disposal for nutria carcasses was recorded for each participant transaction. Overall, 1% of the nutria harvested were kept as whole carcasses, of which no hides or meat were reported sold. The remaining 99% of nutria carcasses were disposed of by approved methods, which include burying carcasses, placing carcasses in heavy overhead vegetation, or sinking the carcasses in the water (Table 1). Fur Buyers reported increased interested from overseas buyers for nutria pelts which led to more participants choosing to remove the carcasses from the marsh to sell. Carcass removed has more than tripled since 2022.

Marsh Type	Whole Carcass	Hide	Meat	Abandoned-Buried	Abandoned-Vegetation	Abandoned-Waterway
Fresh	1849	262	1775	58910	13340	21222
Swamp	1136	1	1167	75614	19230	13029
Intermediate	163	0	217	42446	41671	12782
Brackish	0	0	0	28011	12232	13181
Salt	30	0	30	5993	1915	12091
Other	422	0	453	14582	7395	5655
Total	3,600	263	3,642	225,555	95,782	77,961

Table 1. CNCP nutria carcass use or disposal. The total number within each category was estimated from percentages reported by participants and may not match total nutria harvested.

Harvest by Parish

Eighteen parishes were represented in the 2023-2024 season of the CNCP, with nutria harvests ranging from 62 to 83,582 nutria. Plaquemines Parish reported the highest number of tails with 83,582 followed by St. Mary, Terrebonne, and St. Bernard Parishes with 53,908, 49,887, and 43,448 tails respectively (Figure 7).

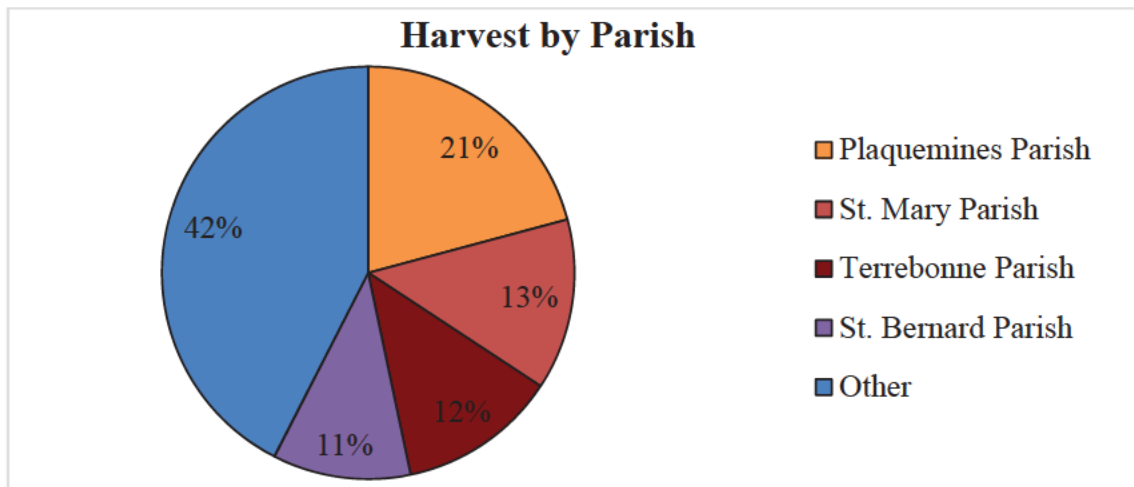


Figure 7. CNCP harvest by parish.

Section 2

A SURVEY OF NUTRIA HERBIVORY DAMAGE IN COASTAL LOUISIANA IN 2024

Introduction

Herbivory damage was noticed in the late 1980's by landowners and land managers when the price of fur dropped and the harvest of nutria all but ceased. The LDWF was contacted to investigate the problem. The first region wide aerial survey became possible because of the interest and concern of many state and federal agencies, coastal land companies and, in particular, funding provided by BTNEP. The objectives of the aerial survey were to: (1) determine the distribution of damage along the transect lines as an index of region wide damage, (2) determine the severity of damage as classified according to a vegetative damage rating, (3) determine the abundance of nutria by the nutria relative abundance rating (4) determine the species of vegetation being impacted and (5) determine the status of recovery of selected damaged areas (Linscombe and Kinler 1997).

Helicopter surveys were flown in May and December 1993 and again in March and April 1996 across the Barataria and Terrebonne Basins. During the December 1993 survey, 90 damaged sites were observed with more than 15,000 acres of marsh impacted along the transects with an estimated 60,000 acres across the study area. In 1996, a total of 157 sites were observed. The damage observed along the transect lines increased to 20,642 acres, and an extrapolated acreage of 77,408 acres across the study area. (The extrapolated coastwide estimate is derived by multiplying the observed acres by 3.75 to account for area not visible from the transect lines.) All of the 1993 sites were evaluated again in 1996, but only 9% showed any recovery. Clearly, the trend identified was a continued increase in both the number of sites and the extent of nutria damage in the Barataria and Terrebonne Basins.

In 1998, the first coastwide nutria herbivory survey was flown, as part of the Nutria Harvest and Wetland Demonstration Program (LA-03a). A total of 23,960 acres of damaged wetlands were located at 170 sites along the survey transects, with an extrapolated coastwide estimate of 89,850 acres. In 1999, the damage increased to 27,356 acres located at 150 sites, with an extrapolated coastwide estimate of 102,585 acres. In 2000, the damage slightly decreased to 25,939 acres located at 132 sites, with an extrapolated coastwide estimate of 97,271 acres. In 2001, the damage decreased to 22,139 acres located at 124 sites, with an extrapolated coastwide estimate of 83,021 acres. In the 2002 survey, which was the first survey funded as part of the CNCP and the survey which preceded implementation of the CNCP incentive payments, the damage decreased again, but only slightly to 21,185 acres located at 94 sites, with an extrapolated coastwide estimate of 79,444 acres. During the 2003 survey, a total of 84 sites had some level of vegetative damage and covered a total of 21,888 acres, with an extrapolated coastwide estimate of 82,080 acres. In summary, the coastwide estimates of nutria herbivory damage prior to implementation of the CNCP incentive payments (from 1998 to 2003) ranged from 79,444 to 102,585 acres.

Vegetative damage caused by nutria has been documented in at least a dozen CWPPRA project sites in the Barataria and Terrebonne Basins. Nutria herbivory is only one of many factors causing wetlands loss, but the additional stress placed on the plants by nutria herbivory may be very significant in CWPPRA projects sites and throughout coastal Louisiana.

The previous extrapolated estimates of 79,444 to 102,585 acres of marsh damaged was conservative because only the worst sites (most obvious) can be detected from aerial surveys; the actual number of

acres being impacted was certainly higher. When vegetation is removed from the surface of the marsh, as a result of over grazing by nutria, the very fragile organic soils are exposed to erosion through tidal action and/or storms. If damaged areas do not revegetate quickly, they may become open water as tidal scour removes soil and thus lowers elevation. This is evident as the damaged sites that converted to open water over the last five years have been in the intermediate and brackish marsh types. Frequently the plant's root systems are also damaged, making recovery through vegetative regeneration very slow.

In an effort to create an incentive for trappers and hunters, the CNCP was implemented. Task 1 of the CPRA and LDWF Interagency Agreement No. 2511-02-29 for the CNCP requires LDWF to conduct annual coastwide aerial surveys during spring/summer to document the current year's impact of nutria herbivory. Survey techniques followed Linscombe and Kinler (1997), and CNCP funded surveys, have been conducted each spring from 2003 to present. Results were analyzed and the numbers of acres impacted or recovered were determined.

Methods

The 2024 coastwide nutria herbivory survey began on April 9th and concluded on April 23rd. Eight days of flying were conducted over the two and a half weeks with breaks, as needed, for poor weather conditions. North-South transects were flown throughout the fresh, intermediate, and brackish marshes of coastal Louisiana. Annually, a total of 155 transects (covering 2,354.7 miles) are surveyed for damage. The transects were spaced approximately 1.8 miles apart, starting at the swamp-marsh interface and continuing south to the beginning of the salt marsh. Due to low nutria population density, salt marsh habitat was not included in the survey and neither were swamp and other (developed areas and agricultural land) because nutria damage in these habitats cannot be reliably identified from the helicopter. Depending upon visibility and vegetative conditions, an altitude of 200-300 feet was considered optimum. At this altitude, vegetative damage was identifiable and allowed for a survey transect width of about 1/4 mile on each side of the helicopter. Flight speed was approximately 80 mph. Two observers were used to conduct the survey, each positioned on opposite sides of the helicopter. In addition to locating vegetative damage, one observer navigated along the transect line and the other observer recorded all pertinent data.



When vegetative damage was identified, the helicopter landed at the site and the following information was recorded:

- 1) Location of each site was determined by recording latitude and longitude utilizing GPS equipment. A real time differential corrected (WAAS Enabled) bluetooth GPS receiver synched with ArcMap (Garmin GLO 2) was utilized to allow for accurate location of damaged sites. The size of each damage site was determined by logging polygons on a field laptop using stream digitizing with the GPS equipment.

- 2) The abundance of nutria sign was placed in one of the following nutria relative abundance rating (NRAR) categories: **(0) no nutria sign visible, (1) nutria sign visible, (2) abundant feeding, or (3) heavy feeding.**
- 3) The extent of damage to the vegetation was placed in one of the following vegetative damage rating categories: **(0) no vegetative damage; (1) minor vegetative damage** which is defined as a site containing feeding holes, thinning vegetation and some visible soil; **(2) moderate vegetative damage** which is defined as a site that has large areas of exposed soil and covers less than 50% of the site; **(3) severe vegetative damage** which is defined as a site that has more than 50% of the soil exposed; or **(4) converted to open water.**
- 4) The dominant plant species were identified and recorded for damaged areas, recovering areas and in the adjacent areas.
- 5) The age of damage and condition is determined by considering feeding activity and vegetation condition. The age of damage and condition was placed in one of the following categories: **(0) recovered, (1) old recovering, (2) old not recovering, (3) recent recovering, (4) recent not recovering, or (5) current (occurring now).**
- 6) The prediction of vegetative recovery is made considering feeding activity, age of damage and the extent of damage. The prediction of vegetative recovery by the end of 2024 was characterized by one of the following categories: **no recovery (0), full recovery (1), partial recovery (2) or increased damage (3).**
- 7) The number of nutria observed at each site was recorded.

In addition to searching for new damaged sites, all previously identified damaged sites were revisited to assess extent and duration of damage or to characterize recovery. All data were entered into a computer for compilation. Damaged site locations are provided on the attached herbivory map and a data summary in Appendix B.

Results and Discussion

There were 22 total nutria damage sites surveyed during the 2024 vegetative damage survey. The damage sites surveyed included 21 sites from the 2023 survey plus one new site. Of the 22 sites from the 2024 survey, one was identified as recovered and the remaining 21 will be checked again in 2025 along with any newly identified sites. This makes 21 the total number of sites to be checked in 2025 (Figure 8).

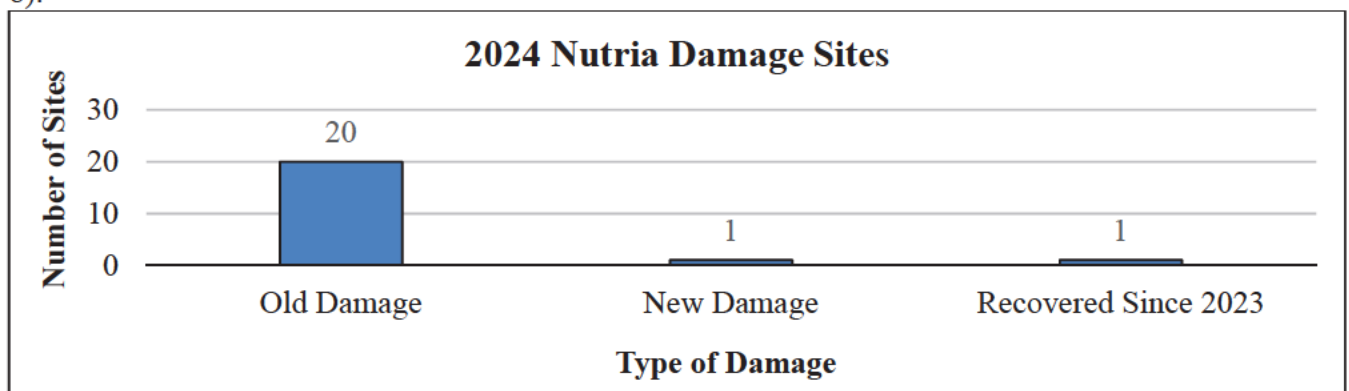


Figure 8. 2024 vegetation survey damage sites located along transect lines.

Nutria Damage

The following discussion details the 21 sites that had observable nutria damage during the 2024 survey (Appendix A). A total of 1,479 acres along transects, extrapolated to 5,547 acres coastwide were identified as impacted by nutria feeding activity. This represents approximately a 17% increase in acres impacted by nutria since 2023 (1,263 acres, extrapolated 4,737 acres coastwide.) There was 1 damage site documented during the 2024 survey that have since partially converted to open water with a total of 28.78 observed acres converted (Figure 12 and Tables 10A-10C). There was one recovered site which previously had 106 acres of damage.

Damage by Parish

Three parishes were observed to have damage in 2024. Most of the observed damaged acres were in Terrebonne Parish (1,387ac; 18 sites), followed by St. Charles Parish (46.37ac; 1 site), St. Mary Parish (45.74ac; 2 sites; Figure 9).

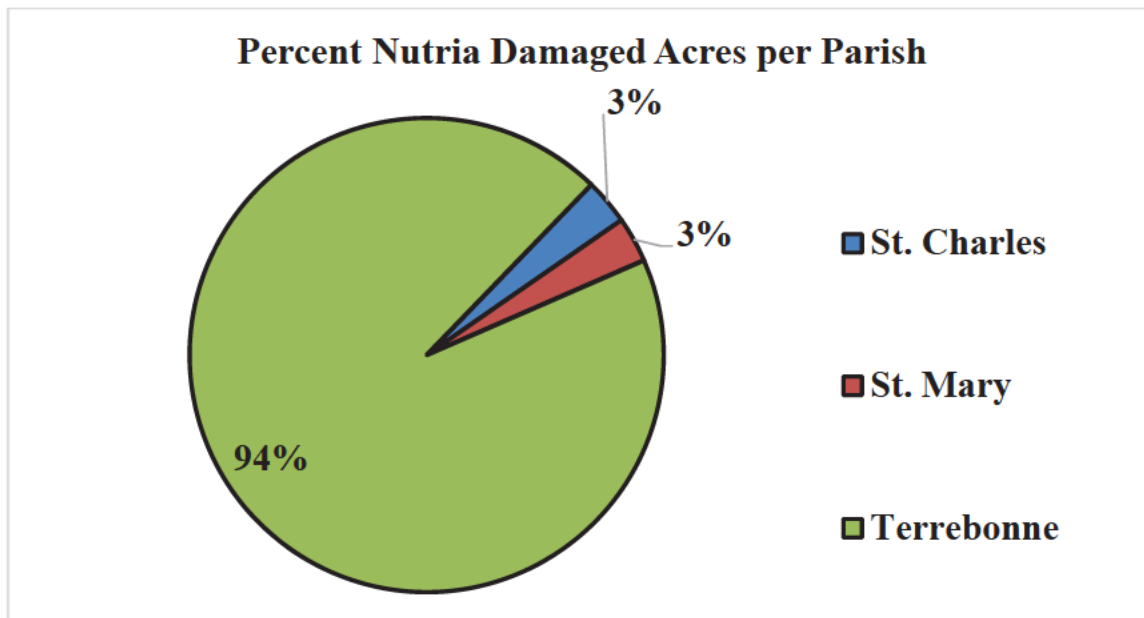


Figure 9. 2024 vegetation survey damaged acres by parish.

Damage by Marsh Type

Marsh type, based on Vegetation types as determined in coastal Louisiana in 2021 (Nyman, J.A., Reid, C.S., Sasser, C.E., Linscombe, J., Hartley, S.B., Couvillion, B.R., and Villani, R.K., 2022, Vegetation Types in Coastal Louisiana in 2021: US Geological Survey data release [2021 Data](#)), was recorded for each damage site (Figures 10A-10C).



Figure 10 A. 2024 Vegetation survey damage centers. 1 recovered site in Vermillion Parish.



Figure 10 B. 2024 Vegetation survey damage centers. 1 site in St. Mary and 19 sites in Terrebonne Parish.



Figure 10 C. 2024 Vegetation survey damage centers. 1 site in St. Charles Parish. All observed sites damaged by nutria herbivory were located in fresh water marsh. The typical vegetation impacted in fresh marsh was *Eleocharis* spp., *Hydrocotyle* spp., and *Bidens laevis*.

Nutria Relative Abundance Rating

A nutria relative abundance rating (NRAR) was used to quantify the abundance of nutria at each site. Categories include: (0) no nutria sign visible, (1) nutria sign visible, (2) abundant feeding sign, and (3) heavy feeding sign; sites converted to open water are not given a NRAR (Figure 11.)

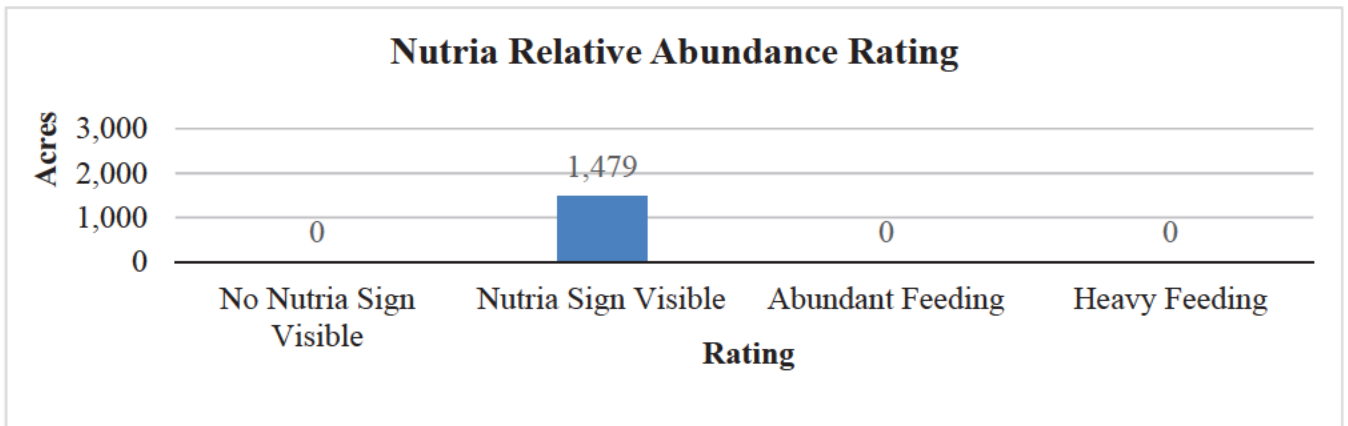


Figure 11. Nutria relative abundance ratings for 2024 nutria damaged sites.

Vegetative Damage Rating

Vegetative damage was also evaluated at each site. A rating system was developed to quantify nutria vegetative damage. The vegetative damage rating (VDR) has five categories: (0) no vegetative damage, (1) minor vegetative damage, (2) moderate vegetative damage, (3) severe vegetative damage, (4) converted to open water (Figure 12).

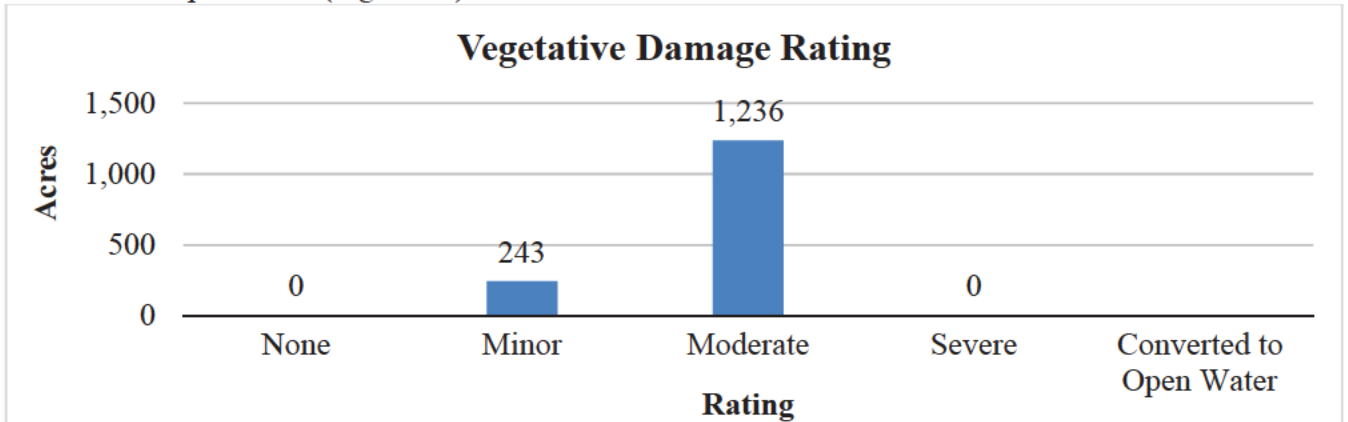


Figure 12. Vegetative damage ratings for 2024 nutria damaged sites. Does not include acres from partial sites converted to open water or recovered acres.

Age of Damage Rating

Categories for the age of damage and condition rating include: (0) recovered, (1) old damage-recovering, (2) old damage not recovering, (3) recent damage-recovering, (4) recent damage-not recovering, and (5) current damage (Figure 13).

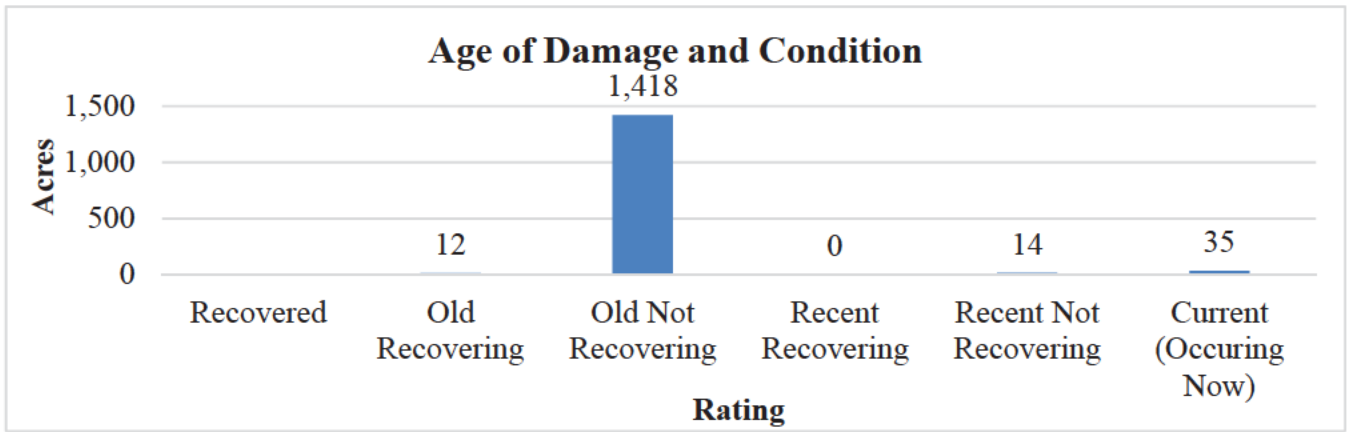


Figure 13. Age of damage and condition of 2024 nutria damaged sites.

Prediction of Recovery

For each site with current damage, the degree of recovery by the end of the 2024 growing season was predicted. These categories include: (1) full recovery, (2) partial recovery, (3) increased damage and (4) no recovery predicted (Figure 14).

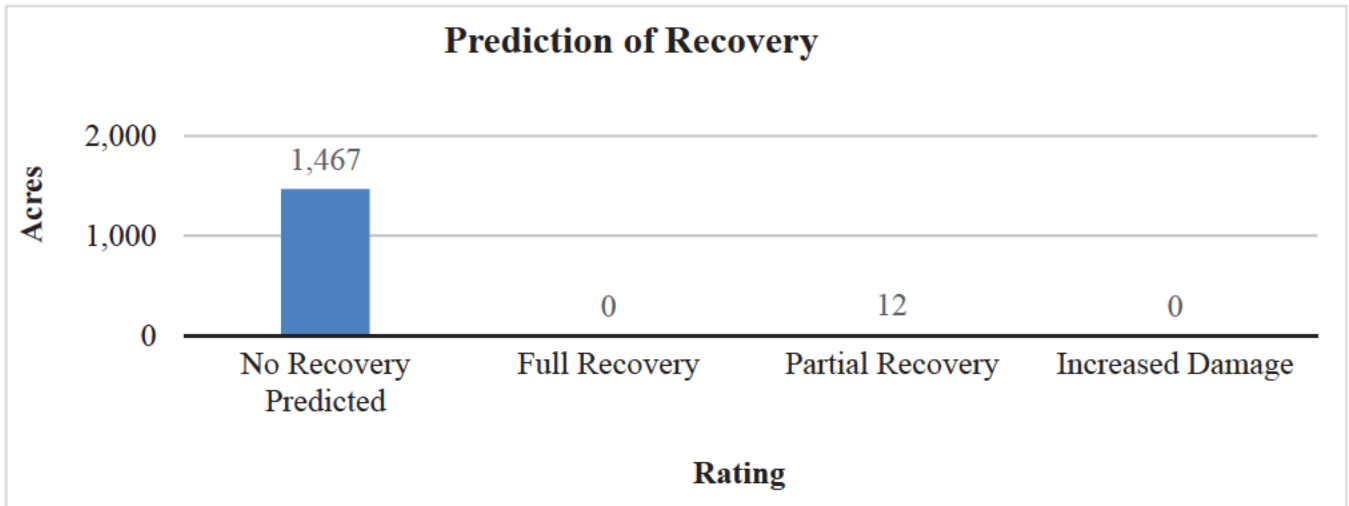


Figure 14. Prediction of recovery by the end of the growing season for the 2024 nutria damaged sites.

Conclusions

The 2023-2024 season saw a return to pre-pandemic nutria harvest levels and participation numbers. The number of active participants increased from 200 in 2022 to 224 in 2023 and to 258 in 2024. Harvest and participation increased significantly in the southeast leading to a record year of harvest and only the second year that we managed to top 400,000. The drought conditions in the fall of 2023 was cited as the major contributor to the increase in harvest. Trappers reported that nutria avoided the areas of saltwater intrusion and congregated in the remaining areas of fresh water access along the banks. The dry weather and early freeze also reduced marsh vegetation making the nutria more visible to hunters. These conditions made harvesting in large numbers easier for participants than previous years. It was also reported that due to difficulties catching crabs in the early part of 2024, many commercial crab harvesters switched to nutria harvesting to increase profit.

The 2024 vegetative damage survey yielded a total of 1,479 acres of nutria damage along transect lines. When extrapolated to the entire program area, an estimated 5,547 acres were impacted coastwide at the

time of the survey. When compared to the 2023 survey (1,263 acres, extrapolated to 4,737 acres coastwide), there was an increase in number of damaged acres (approximately a 17% increase in the number of damaged acres). It's interesting to note that much of the harvest was reported to have occurred in Eastern Parishes (Plaquemines and St. Bernard) while most of the damage was observed in Terrebonne Parish. It's also possible that the prolonged drought may have impacted marsh recovery.

Due to the distance between survey lines, all areas impacted by nutria herbivory could not be identified. Additionally, there were areas along survey lines where nutria activity was observed but marsh conditions did not warrant a damage classification (i.e., nutria present but no damage observed or damaged areas <1ac are too small to record). Only the most obvious impacted areas were detected and recorded so the total impact of nutria is likely underestimated.

Section 3

Summary of Results (2002-2024) and Adaptive Management

In total, 6,725,464 nutria have been harvested from coastal Louisiana through 22 seasons of the CNCP. Throughout much of the CNCP, seasonal nutria tail collection, which is how we determine harvest, has ranged between 300,000 and 400,000. From the beginning of the CNCP through 2011, estimated coastwide nutria damage declined nearly every year and then from 2011-2017, the damaged areas stabilized between 4,000 and 6,500 acres. Unfortunately, nutria harvest during the 2016-2017 and the 2017-2018 seasons was 216,059 and 170,471, respectively, which is substantially lower harvest than years prior. Subsequently, estimated coastwide nutria damage increased from 5,866 acres in 2017 to 16,424 acres in 2018. Harvest during the 2018-2019 season was higher (223,155) than the previous 2 seasons, but still lower than the average annual harvest which is 305,127 tails (Figure 15). Although the total damaged acres decreased from 16,424 in 2018 to 14,652 in 2019, the number of damage sites increased from 21 to 25 and approximately 910 acres were converted to open water. For the 2019-2020 season, the incentive payment was increased from \$5.00 to \$6.00. The increased payment had the desired affect with harvest increasing to 245,865. For the 2020-2021 season, harvest increased to 312,118 which is close to the 20-year average annual harvest. This temporary increase in harvest is because of socioeconomic reasons resulting from the Covid-19 pandemic. The jump in harvest did not last into the 2021-2022 season and although harvest did increase for the 2022-2023 season, it did not surpass 300,000. 2024 saw a near record high harvest which likely resulted from prolonged drought conditions, socioeconomic impacts and people returning to the southeast post hurricanes. With an increase in the incentive payment to \$6.00, 2024 sets the record for the highest overall incentive payment. Nutria damage has declined overall, however, access to the areas with high nutria density remains difficult and the continued degradation of open coastal marsh area means more nutria will move into swamp habitat where damage from the air can be difficult to observe.

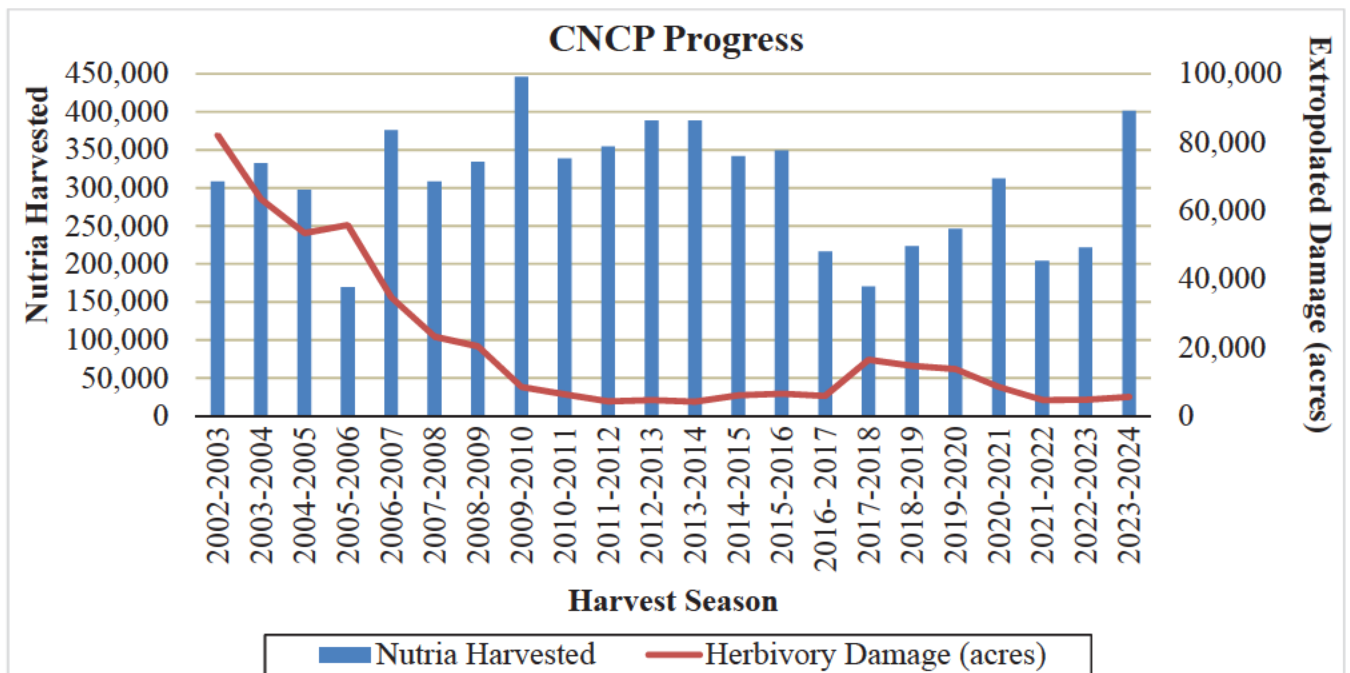


Figure 15. Nutria harvest and coastwide nutria herbivory damage. The low harvest during the 2005-2006 season is attributed to the coastwide disruptions caused by Hurricane Katrina in August 2005.

Prior to implementation of CNCP incentive payments, nutria harvest was below 30,000 per season and coastwide nutria damage ranged between 79,000 and 98,000 acres (Table 2). Throughout 22 seasons of CNCP, nutria harvest has ranged from 168,843 to 445,963 (an average of 301,141) and coastwide nutria damage decreased to a range of 4,181 to 8,475 acres for 2010-2017, and has ranged from 4,682 to 13,702 acres in the last three years (Table 3).

Harvest Season	Nutria Harvested	Year of Survey	Herbivory Damage (acres)
1999-2000	20,110	2000	97,271
2000-2001	29,544	2001	83,021
2001-2002	24,683	2002	79,444

Table 2. Nutria harvest and herbivory damage in years prior to CNCP.

Harvest Season	Nutria Harvested	Total Incentive Payments	Year of Survey	Herbivory Damage (acres)
2002-2003	308,160	\$1,232,640	2003	82,080
2003-2004	332,596	\$1,330,384	2004	63,398
2004-2005	297,535	\$1,190,140	2005	53,475
2005-2006	168,843	\$675,372	2006	55,755
2006-2007	375,683	\$1,878,415	2007	34,665
2007-2008	308,212	\$1,541,060	2008	23,141
2008-2009	334,038	\$1,670,190	2009	20,333
2009-2010	445,963	\$2,229,815	2010	8,475
2010-2011	338,512	\$1,692,560	2011	6,296
2011-2012	354,354	\$1,771,770	2012	4,233
2012-2013	388,160	\$1,940,800	2013	4,624
2013-2014	388,264	\$1,941,320	2014	4,181
2014-2015	341,708	\$1,708,540	2015	6,008
2015-2016	349,235	\$1,746,175	2016	6,496
2016- 2017	216,052	\$1,080,260	2017	5,866
2017-2018	170,471	\$852,355	2018	16,424
2018-2019	223,155	\$1,115,775	2019	14,652
2019-2020	245,865	\$1,541,190	2020	13,702
2020-2021	312,118	\$1,872,708	2021	8,436
2021-2022	203,824	\$1,222,944	2022	4,682
2022-2023	221,404	\$1,328,424	2023	4,737
2023-2024	401,312	\$2,407,872	2024	5,547
Total	6,725,464	\$33,970,709		

Table 3. Nutria harvest and herbivory throughout 22 seasons of the CNCP.

Adaptive Management

The low nutria harvest throughout the 2016-2017, 2017-2018, and 2018-2019 seasons resulted in increased nutria damage throughout coastal Louisiana. Responses to participant surveys mailed during the summers of 2017 and 2018 indicated that raising the amount of the incentive payment would increase participation and nutria harvest. The increased payment did help increase harvest, but it is not the only factor that influences harvest. Other factors such as overall hunter participation, weather, and degradation of marsh habitat that may result in less land to take nutria or decreased access for hunters are also factors in total harvest. These latter factors are more difficult to mitigate and will continue to present a challenge for CNCP managers.

Coastwide Nutria Control Program 2002-2024

Total Tails by Parish

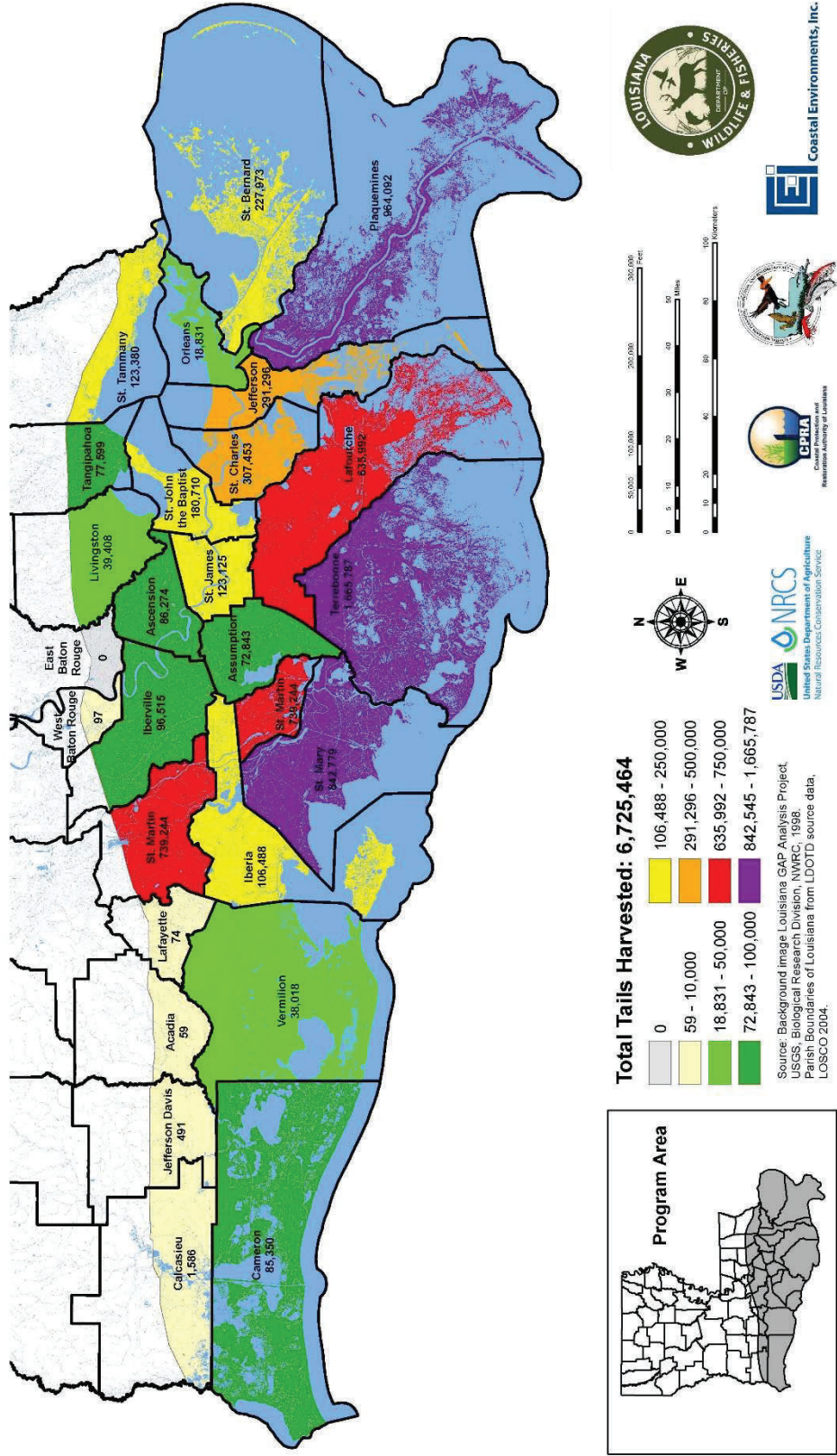


Figure 16. Total nutria harvest by Parish during 22 seasons of CNCP.

RNCP #: Transaction #: Date:

Participant Name: Number of tails accepted:

Transaction Information
 Number of tails rejected:
 Reason for rejection: (check all that apply)
 short spoiled
 other (specify)

Method of Tail Collection (Take): (check all that apply)
 Trapped %
 # of days trapped avg # of traps/day
 Shot, rifle %
 Shot, shotgun %
 # of days hunted # of hunters
 Retrieval Rate % Total Days

Month of Tail Collection:
 Nov % Feb %
 Dec % Mar %
 Jan % Apr %

Disposal of carcass: (check all that apply)
 Took whole carcass %
 Hide % Meat %
 Buried %
 Left in overhead vegetation %
 Left in waterway %
 Night Hunt %

Additional Notes: (optional)

Figure 17. Screenshot of the digital datasheet used by Coastal Environments Inc. during the tail collections.

Appendix A.
A Comparison of Seasons 1-22
(2002-2024)

PARISH	2002-2003		2003-2004		2004-2005		2005-2006		2006-2007		2007-2008	
	Nutria Harvested	Percentage	Nutria Harvested	Percentage	Nutria Harvested	Percentage	Nutria Harvested	Percentage	Nutria Harvested	Percentage	Nutria Harvested	Percentage
Acadia	0	-	0	-	0	-	0	-	0	-	0	-
Ascension	2,710	0.88%	5,474	1.65%	1,855	0.62%	1,678	0.99%	2,226	0.59%	1,957	0.63%
Assumption	3,128	1.02%	814	0.24%	427	0.14%	2,307	1.37%	2,095	0.56%	3,863	1.25%
Calcasieu	143	0.05%	374	0.11%	447	0.15%	58	0.03%	19	0.01%	19	0.01%
Cameron	7,851	2.55%	8,701	2.62%	16,592	5.58%	3,744	2.22%	1,725	0.46%	649	0.21%
East Baton Rouge	0	-	0	-	0	-	0	-	0	-	0	-
Iberia	1,412	0.46%	1,960	0.59%	3,516	1.18%	3,014	1.79%	18,910	5.03%	6,119	1.99%
Iberville	0	-	1,567	0.47%	5,551	1.87%	2,360	1.40%	9,172	2.44%	2,105	0.68%
Jefferson	20,529	6.66%	24,896	7.49%	11,019	3.70%	2,875	1.70%	10,405	2.77%	11,299	3.67%
Jefferson Davis	121	0.04%	85	0.03%	175	0.06%	110	0.07%	0	-	0	-
Lafayette	39	0.01%	25	0.01%	10	0.00%	0	-	0	-	0	-
Lafourche	28,852	9.36%	51,736	15.56%	32,362	10.88%	24,668	14.61%	28,038	7.46%	25,473	8.26%
Livingston	2,631	0.85%	357	0.11%	910	0.31%	1,921	1.14%	1,250	0.33%	695	0.23%
Orleans	597	0.19%	0	-	537	0.18%	0	-	575	0.15%	1,333	0.43%
Plaquemines	63,208	20.51%	86,720	26.07%	38,984	13.10%	1,816	1.08%	5,815	1.55%	41,072	13.33%
St. Bernard	5,769	1.87%	13,344	4.01%	4,337	1.46%	0	-	291	0.08%	4,150	1.35%
St. Charles	11,169	3.62%	12,672	3.81%	15,843	5.32%	13,807	8.18%	18,690	4.97%	18,271	5.93%
St. James	95	0.03%	487	0.15%	2,837	0.95%	4,912	2.91%	7,111	1.89%	9,604	3.12%
St. John the Baptist	18,450	5.99%	6,137	1.85%	8,391	2.82%	6,384	3.78%	15,786	4.20%	6,728	2.18%
St. Martin	11,425	3.71%	15,039	4.52%	31,608	10.62%	15,903	9.42%	113,629	30.25%	54,726	17.76%
St. Mary	26,004	8.44%	16,277	4.89%	20,908	7.03%	21,023	12.45%	34,693	9.23%	34,210	11.10%
St. Tammany	4,638	1.51%	3,756	1.13%	5,167	1.74%	1,423	0.84%	2,067	0.55%	4,356	1.41%
Tangipahoa	1,245	0.40%	745	0.22%	564	0.19%	826	0.49%	1,843	0.49%	2,323	0.75%
Terrebonne	92,831	30.12%	72,846	21.90%	81,012	27.23%	57,756	34.21%	99,433	26.47%	78,934	25.61%
Vermilion	5,313	1.72%	8,584	2.58%	14,481	4.87%	2,258	1.34%	1,813	0.48%	326	0.11%
West Baton Rouge	0	-	0	-	0	-	0	-	97	0.03%	0	-
Total	308,160	1	332,596	1	297,535	1	168,843	1	375,683	1	308,212	1

Table 4. Nutria harvested by parish seasons 1-22, Coastwide Nutria Control Program.

PARISH	2008-2009			2009-2010			2010-2011			2011-2012			2012-2013			2013-2014		
	Nutria Harvested	Percentage		Nutria Harvested	Percentage		Nutria Harvested	Percentage		Nutria Harvested	Percentage		Nutria Harvested	Percentage		Nutria Harvested	Percentage	
Acadia	0	-		0	-		0	-		0	-		59	0.02%		0	-	
Ascension	7,029	2.10%		7,049	1.58%		3,435	1.01%		0	-		0	-		7,889	2.03%	
Assumption	1,093	0.33%		2,930	0.66%		3,244	0.96%		3,582	1.01%		6,302	1.62%		7,904	2.04%	
Calcasieu	0	-		0	-		0	-		0	-		0	-		0	-	
Cameron	1,245	0.37%		1,177	0.26%		1,076	0.32%		413	0.12%		174	0.04%		1,446	0.37%	
East Baton Rouge	0	-		0	-		0	-		0	-		0	-		0	-	
Iberia	978	0.29%		1,206	0.27%		286	0.08%		1,384	0.39%		5,360	1.38%		12,157	3.13%	
Iberville	231	0.07%		6,065	1.36%		886	0.26%		1,688	0.48%		3,062	0.79%		3,046	0.78%	
Jefferson	12,515	3.75%		11,506	2.58%		5,945	1.76%		6,178	1.74%		16,152	4.16%		10,244	2.64%	
Jefferson Davis	0	-		0	-		0	-		0	-		0	-		0	-	
Lafayette	0	-		0	-		0	-		0	-		0	-		0	-	
Lafourche	48,252	14.45%		39,564	8.87%		37,137	10.97%		37,415	10.56%		47,723	12.29%		42,061	10.83%	
Livingston	444	0.13%		2,186	0.49%		738	0.22%		0	-		0	-		3,405	0.88%	
Orleans	656	0.20%		1,756	0.39%		2,279	0.67%		1,238	0.35%		1,006	0.26%		929	0.24%	
Plaquemines	42,212	12.64%		69,294	15.54%		80,241	23.70%		71,879	20.28%		22,171	5.71%		21,808	5.62%	
St. Bernard	13,965	4.18%		3,543	0.79%		29,278	8.65%		27,053	7.63%		4,073	1.05%		5,201	1.34%	
St. Charles	21,215	6.35%		27,221	6.10%		16,069	4.75%		10,830	3.06%		14,347	3.70%		14,164	3.65%	
St. James	8,990	2.69%		19,226	4.31%		9,167	2.71%		15,450	4.36%		14,455	3.72%		5,443	1.40%	
St. John the Baptist	10,189	3.05%		6,642	1.49%		9,447	2.79%		2,678	0.76%		6,832	1.76%		3,237	0.83%	
St. Martin	44,972	13.46%		63,619	14.27%		23,551	6.96%		36,562	10.32%		40,356	10.40%		54,027	13.92%	
St. Mary	34,811	10.42%		67,631	15.17%		43,533	12.86%		45,859	12.94%		64,386	16.59%		58,229	15.00%	
St. Tammany	5,680	1.70%		8,855	1.99%		6,562	1.94%		6,417	1.81%		1,217	0.31%		1,485	0.38%	
Tangipahoa	4,974	1.49%		267	0.06%		448	0.13%		141	0.04%		1,864	0.48%		4,637	1.19%	
Terrebonne	74,587	22.33%		106,226	23.82%		65,190	19.26%		85,587	24.15%		138,305	35.63%		130,952	33.73%	
Vermilion	0	-		0	-		0	-		0	-		316	0.08%		0	-	
West Baton Rouge	0	-		0	-		0	-		0	-		0	-		0	-	
Total	334,038	1		445,963	1		338,512	1		354,354	1		388,160	1		388,264	1	

Table 4 (Continued). Nutria harvested by parish seasons 1-22, Coastwide Nutria Control Program.

PARISH	2014-2015			2015-2016			2016-2017			2017-2018			2018-2019			2019-2020		
	Nutria Harvested	Percentage	Nutria Harvested	Percentage	Nutria Harvested	Percentage	Nutria Harvested	Percentage	Nutria Harvested	Percentage	Nutria Harvested	Percentage	Nutria Harvested	Percentage	Nutria Harvested	Percentage		
Acadia	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-		
Ascension	16,013	4.69%	4,693	1.34%	1,777	0.82%	1,353	0.79%	1,537	0.90%	1,537	0.90%	2,245	0.91%	2,245	0.91%		
Assumption	7,603	2.22%	3,096	0.89%	2,372	1.10%	1,555	0.91%	1,886	1.11%	1,886	1.11%	927	0.38%	927	0.38%		
Calcasieu	0	-	0	-	0	-	154	0.09%	0	0.09%	0	-	0	0.00%	0	0.00%		
Cameron	2,848	0.83%	2,607	0.75%	2,534	1.17%	5,805	3.41%	13,835	8.12%	13,835	8.12%	7,531	3.06%	7,531	3.06%		
East Baton Rouge	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-		
Iberia	7,296	2.14%	4,516	1.29%	2,514	1.16%	1,683	0.99%	2,469	1.45%	2,469	1.45%	1,761	0.72%	1,761	0.72%		
Iberville	1,076	0.31%	2,930	0.84%	419	0.19%	2,379	1.40%	4,122	2.42%	4,122	2.42%	6,350	2.58%	6,350	2.58%		
Jefferson	12,855	3.76%	12,239	3.50%	20,025	9.27%	11,060	6.49%	13,695	8.03%	13,695	8.03%	8,277	3.37%	8,277	3.37%		
Jefferson Davis	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-		
Lafayette	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-		
Lafourche	29,190	8.54%	31,810	9.11%	18,249	8.45%	10,388	6.09%	19,458	11.41%	19,458	11.41%	14,418	5.86%	14,418	5.86%		
Livingston	1,279	0.37%	0	0.00%	1,879	0.87%	1,538	0.90%	2,539	1.49%	2,539	1.49%	4,281	1.74%	4,281	1.74%		
Orleans	485	0.14%	1,103	0.32%	1,077	0.50%	334	0.20%	163	0.10%	163	0.10%	2,702	1.10%	2,702	1.10%		
Plaquemines	23,883	6.99%	46,672	13.36%	33,684	15.59%	29,474	17.29%	39,657	23.26%	39,657	23.26%	62,380	25.37%	62,380	25.37%		
St. Bernard	5,410	1.58%	12,939	3.70%	11,094	5.13%	3,533	2.07%	3,729	2.19%	3,729	2.19%	11,141	4.53%	11,141	4.53%		
St. Charles	16,355	4.79%	13,685	3.92%	11,602	5.37%	5,626	3.30%	7,350	4.31%	7,350	4.31%	11,707	4.76%	11,707	4.76%		
St. James	769	0.23%	7,651	2.19%	3,005	1.39%	2,226	1.31%	2,600	1.52%	2,600	1.52%	3,646	1.48%	3,646	1.48%		
St. John the Baptist	3,394	0.99%	18,412	5.27%	6,351	2.94%	6,416	3.76%	5,717	3.35%	5,717	3.35%	12,334	5.02%	12,334	5.02%		
St. Martin	50,392	14.75%	50,202	14.37%	9,838	4.55%	14,746	8.65%	13,263	7.78%	13,263	7.78%	9,991	4.06%	9,991	4.06%		
St. Mary	40,045	11.72%	28,585	8.19%	32,102	14.86%	26,869	15.76%	31,257	18.34%	31,257	18.34%	27,963	11.37%	27,963	11.37%		
St. Tammany	1,481	0.43%	9,562	2.74%	5,244	2.43%	2,020	1.18%	2,331	1.37%	2,331	1.37%	5,442	2.21%	5,442	2.21%		
Tangipahoa	6,758	1.98%	4,894	1.40%	2,998	1.39%	1,331	0.78%	3,387	1.99%	3,387	1.99%	7,290	2.97%	7,290	2.97%		
Terrebonne	114,373	33.47%	93,301	26.72%	48,411	22.41%	40,581	23.81%	51,960	30.48%	51,960	30.48%	45,208	18.39%	45,208	18.39%		
Vermilion	203	0.06%	341	0.10%	877	0.41%	1,400	0.82%	2,201	1.29%	2,201	1.29%	271	0.11%	271	0.11%		
West Baton Rouge	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-		
Total	341,708	1	349,235	1	216,052	1	170,471	1	223,155	1	223,155	1	245,865	1	245,865	1		

Table 4 (Continued). Nutria harvested by parish seasons 1-22, Coastwide Nutria Control Program.

PARISH	2020-2021		2021-2022		2022-2023		2023-2024	
	Nutria Harvested	Percentage	Nutria Harvested	Percentage	Nutria Harvested	Percentage	Nutria Harvested	Percentage
Acadia	0	-	0	-	0	-	0	-
Ascension	1,775	0.72%	747	0.37%	995	0.49%	2,319	1.14%
Assumption	1,150	0.47%	4,605	2.26%	572	0.28%	5,974	2.93%
Calcasieu	0	0.00%	114	0.06%	0	0.00%	257	0.13%
Cameron	2,249	0.91%	2,184	1.07%	121	0.06%	818	0.40%
East Baton Rouge	0	-	0	-	0	-	13,205	-
Iberia	3,484	1.42%	5,982	2.93%	7,649	3.75%	12,075	5.92%
Iberville	4,384	1.78%	13,244	6.50%	15,590	7.65%	22,899	11.23%
Jefferson	26,137	10.63%	7,205	3.53%	13,439	6.59%	0	0.00%
Jefferson Davis	0	-	0	-	0	-	0	-
Lafayette	0	-	0	-	0	-	16,815	-
Lafourche	22,059	8.97%	18,457	9.06%	12,152	5.96%	3,803	1.87%
Livingston	4,406	1.79%	1,824	0.89%	2,048	1.00%	290	0.14%
Orleans	1,771	0.72%	0	-	0	-	83,582	-
Plaquemines	62,617	25.47%	19,071	9.36%	17,585	8.63%	43,448	21.32%
St. Bernard	9,905	4.03%	1,923	0.94%	13,932	6.84%	15,358	7.53%
St. Charles	11,747	4.78%	7,371	3.62%	12,331	6.05%	3,611	1.77%
St. James	3,818	1.55%	1,177	0.58%	1,307	0.64%	11,484	5.63%
St. John the Baptist	11,490	4.67%	7,798	3.83%	4,723	2.32%	27,931	13.70%
St. Martin	14,882	6.05%	16,202	7.95%	26,816	13.16%	53,908	26.45%
St. Mary	46,572	18.94%	44,085	21.63%	45,605	22.37%	25,974	12.74%
St. Tammany	10,912	4.44%	4,905	2.41%	3,879	1.90%	7,612	3.73%
Tangipahoa	12,010	4.88%	5,399	2.65%	6,040	2.96%	49,887	24.48%
Terrebonne	60,750	24.71%	41,530	20.38%	36,622	17.97%	62	0.03%
Vermilion	0	0.00%	0	-	0	-	0	-
West Baton Rouge	0	-	0	-	0	-	0	-
Total	312,118	1	203,824	1	221,404	1	401,312	1

Table 4 (Continued). Nutria harvested by parish seasons 1-22, Coastwide Nutria Control Program.

PARISH	2002-2003			2003-2004			2004-2005			2005-2006		
	Trap	Rifle	Shotgun	Trap	Rifle	Shotgun	Trap	Rifle	Shotgun	Trap	Rifle	Shotgun
Acadia	0	0	0	0	0	0	0	0	0	0	0	0
Ascension	0	2,306	404	0	4,093	1,381	100	1,678	80	470	908	300
Assumption	284	2,786	58	47	767	0	188	106	134	1,454	711	143
Calcasieu	0	143	0	0	374	0	213	24	212	57	1	0
Cameron	3,611	4,210	30	4,974	3,639	89	5,779	8,961	1,877	1,362	583	1,799
Iberia	0	1,353	59	636	1,324	0	1,286	1,310	926	1,215	449	1,350
Iberville	0	0	0	717	850	0	4,348	1,211	0	1,156	622	582
Jefferson	5,869	14,094	566	12,991	11,835	70	6,286	4,307	443	2,234	477	164
Jefferson Davis	121	0	0	82	0	0	158	16	0	109	1	0
Lafayette	19	10	10	0	25	0	0	10	0	0	0	0
Lafourche	11,807	16,826	219	28,516	22,780	440	12,221	18,212	1,977	9,213	11,050	4,598
Livingston	0	2,631	0	0	336	21	0	911	0	0	1,921	0
Orleans	287	219	91	0	0	0	538	0	0	0	0	0
Plaquemines	9,899	52,933	376	34,683	51,302	735	18,121	20,642	280	343	843	630
St. Bernard	2,877	2,892	0	5,412	7,783	149	727	3,617	0	0	0	0
St. Charles	2,099	8,706	364	2,801	9,543	329	1,279	13,958	631	1,863	10,915	1,029
St. James	48	47	0	97	350	40	32	2,752	57	278	4,239	395
St. John the Baptist	1,505	11,132	5,813	2,517	2,200	1,420	2,971	4,788	645	2,165	3,488	538
St. Martin	1,497	9,593	335	5,784	8,790	465	10,684	9,703	11,269	4,137	5,355	6,412
St. Mary	11,073	14,849	82	6,616	9,619	42	9,700	10,798	442	9,266	11,202	554
St. Tammany	3,088	1,529	21	2,687	1,069	0	2,692	2,483	0	533	800	90
Tangipahoa	335	894	16	577	169	0	35	530	0	142	638	46
Terrebonne	46,761	45,317	753	44,419	26,335	2,092	31,730	45,893	3,512	28,132	25,577	4,047
Vermilion	2,370	2,729	214	5,119	3,435	30	5,580	7,900	572	1,075	1,182	0
West Baton Rouge	0	0	0	0	0	0	0	0	0	0	0	0
Total	103,550	195,199	9,411	158,675	166,618	7,303	114,668	159,810	23,057	65,204	80,962	22,677

Table 5. Method of take by parish for seasons 1-22, Coastwide Nutria Control Program. Totals may not be exact due to reporting of percentages.

PARISH	2006-2007			2007-2008			2008-2009			2009-2010		
	Trap	Rifle	Shotgun	Trap	Rifle	Shotgun	Trap	Rifle	Shotgun	Trap	Rifle	Shotgun
Acadia	0	0	0	0	0	0	0	0	0	0	0	0
Ascension	0	2,008	218	0	1,905	52	217	6,751	61	338	6,712	0
Assumption	354	686	1,056	634	2,944	285	85	933	75	546	1,916	469
Calcasieu	19	0	0	19	0	0	0	0	0	0	0	0
Cameron	347	902	477	509	70	70	1,060	128	55	1,174	0	0
Iberia	6,695	4,635	7,580	3,623	1,248	1,247	258	524	196	932	274	0
Iberville	4,907	460	3,860	754	508	843	103	0	128	4,051	1,670	344
Jefferson	4,731	5,568	106	3,901	6,456	943	4,185	8,146	184	3,164	8,202	140
Jefferson Davis	0	0	0	0	0	0	0	0	0	0	0	0
Lafayette	0	0	0	0	0	0	0	0	0	0	0	0
Lafourche	12,260	11,460	4,259	9,701	11,425	4,345	32,373	13,324	2,555	21,796	16,310	1,458
Livingston	0	1,250	0	0	695	0	0	444	0	460	1,726	0
Orleans	575	0	0	1,333	0	0	656	0	0	1,658	71	27
Plaquemines	3,200	2,554	61	30,093	10,609	0	21,394	19,372	1,447	25,379	43,480	436
St. Bernard	146	146	0	4,071	79	370	9,790	4,131	43	3,177	240	126
St. Charles	6,637	9,401	2,652	3,607	13,366	1,298	6,111	14,036	1,068	7,712	18,593	916
St. James	203	6,439	469	425	9,128	51	597	7,862	531	572	17,805	849
St. John the Baptist	4,223	9,215	2,348	2,323	3,834	572	1,490	8,372	327	2,856	3,776	10
St. Martin	39,972	35,737	37,920	27,937	17,123	9,666	21,134	17,512	6,326	43,341	12,952	7,326
St. Mary	12,810	19,997	1,886	10,783	21,304	2,123	13,357	18,480	2,974	13,026	51,170	3,435
St. Tammany	1,452	529	86	1,736	2,216	404	3,377	1,848	456	2,604	4,945	1,307
Tangipahoa	542	1,189	113	563	1,760	0	321	4,530	124	0	267	0
Terrebonne	36,867	51,357	11,209	28,055	45,000	5,879	25,846	46,139	2,602	40,669	62,264	3,292
Vermilion	1,174	494	145	262	65	0	0	0	0	0	0	0
West Baton Rouge	0	97	0	0	0	0	0	0	0	0	0	0
Total	137,114	164,124	74,445	130,329	149,735	28,148	142,354	172,532	19,152	173,455	252,373	20,135

Table 5 (continued). Method of take by parish for seasons 1-22, Coastwide Nutria Control Program. Totals may not be exact due to reporting of percentages.

PARISH	2010-2011			2011-2012			2012-2013			2013-2014		
	Trap	Rifle	Shotgun	Trap	Rifle	Shotgun	Trap	Rifle	Shotgun	Trap	Rifle	Shotgun
Acadia	0	0	0	0	0	0	18	41	0	0	0	0
Ascension	0	3,107	0	0	0	0	0	0	0	368	7,482	39
Assumption	327	2,520	407	1,003	2,449	129	1,249	4,844	210	2,113	5,251	539
Calcasieu	315	0	0	0	0	0	0	0	0	0	0	0
Cameron	0	72	0	413	0	0	174	0	0	1,446	0	0
Iberia	1,103	46	89	222	1,163	0	1,602	2,862	896	5,579	5,906	671
Iberville	150	348	42	404	727	558	1,014	1,680	368	1,546	1,368	132
Jefferson	494	4,059	109	1,655	4,496	27	2,630	11,349	2,173	2,389	7,796	59
Jefferson Davis	1,872	0	0	0	0	0	0	0	0	0	0	0
Lafayette	0	0	0	0	0	0	0	0	0	0	0	0
Lafourche	0	23,326	43	9,573	27,574	267	11,260	33,137	3,326	9,924	31,266	870
Livingston	13,713	738	0	0	0	0	0	0	0	985	2,420	0
Orleans	0	115	0	1,202	36	0	1,006	0	0	929	0	0
Plaquemines	2,162	67,649	557	25,139	46,498	241	8,347	13,641	182	6,265	15,449	95
St. Bernard	12,021	11,489	12	16,226	10,826	0	1,214	1,276	1,584	3,228	1,974	0
St. Charles	17,764	10,155	671	2,425	8,240	165	2,473	9,748	2,125	3,806	9,587	771
St. James	5,225	9,016	115	0	15,417	33	157	13,199	1,099	32	5,410	0
St. John the Baptist	35	5,922	327	1,366	1,312	0	397	6,401	35	510	2,645	82
St. Martin	3,191	11,902	1,548	11,596	17,696	7,269	12,270	19,881	8,205	15,574	33,631	4,822
St. Mary	10,115	36,334	246	7,450	36,295	2,113	13,393	44,951	6,042	6,503	46,810	4,917
St. Tammany	6,928	2,947	899	4,817	1,123	477	579	588	50	1,312	174	0
Tangipahoa	2,711	398	0	0	142	0	0	1,205	659	2,211	2,426	0
Terrebonne	50	31,676	8,499	32,570	45,238	7,782	57,953	64,349	16,002	39,868	82,356	8,728
Vermilion	24,953	0	0	0	0	0	130	186	0	0	0	0
West Baton Rouge	0	0	0	0	0	0	0	0	0	0	0	0
Total	103,129	221,819	13,564	116,061	219,232	19,061	115,866	229,338	42,956	104,588	261,951	21,725

Table 5 (continued). Method of take by parish for seasons 1-22, Coastwide Nutria Control Program. Totals may not be exact due to reporting of percentages.

PARISH	2014-2015				2015-2016				2016-2017				2017-2018			
	Trap	Rifle	Shotgun		Trap	Rifle	Shotgun		Trap	Rifle	Shotgun		Trap	Rifle	Shotgun	
Acadia	0	0	0		0	0	0		0	0	0		0	0	0	
Ascension	551	15,259	202		257	4,226	209		159	1,505	112		184	947	221	
Assumption	1,088	5,555	959		1,263	1,117	716		41	1,996	335		1,107	281	167	
Calcasieu	0	0	0		0	0	0		0	0	0		118	0	36	
Cameron	2,848	0	0		2,607	0	0		2,310	224	0		5,008	545	252	
Iberia	3,464	3,148	684		1,321	2,854	341		60	1,394	1,060		427	656	599	
Iberville	229	809	39		0	2,420	510		63	136	220		1,297	783	299	
Jefferson	2,913	9,481	462		3,228	8,590	421		5,188	11,403	3,435		2,581	7,464	1,015	
Jefferson Davis	0	0	0		0	0	0		0	0	0		0	0	0	
Lafayette	0	0	0		0	0	0		0	0	0		0	0	0	
Lafourche	7,737	21,453	0		7,820	23,783	207		6,352	11,177	720		4,115	6,145	128	
Livingston	0	1,279	0		0	0	0		192	1,587	99		194	1,106	238	
Orleans	485	0	0		1,045	58	0		1,077	0	0		283	50	0	
Plaquemines	6,570	17,193	120		12,362	33,110	1,200		6,052	25,136	2,496		4,518	20,482	4,474	
St. Bernard	4,346	1,064	0		7,828	4,995	116		7,028	3,892	175		1,825	1,580	128	
St. Charles	3,592	12,659	104		2,682	9,047	1,956		4,772	6,205	626		774	3,844	1,008	
St. James	133	635	0		790	6,059	802		264	2,550	191		303	1,563	361	
St. John the Baptist	1,055	2,226	113		3,794	13,511	1,107		1,043	5,280	28		1,274	3,880	1,263	
St. Martin	20,118	25,891	4,384		23,973	22,706	3,523		5,562	2,002	2,274		4,196	5,405	5,145	
St. Mary	6,003	29,024	5,019		1,363	24,494	2,729		6,029	20,622	5,450		6,618	17,099	3,152	
St. Tammany	1,282	69	131		726	8,229	607		1,142	1,092	3,010		1,092	928	0	
Tangipahoa	28	6,731	0		23	4,870	0		784	2,185	29		238	955	138	
Terrebonne	36,381	65,519	12,471		21,032	57,978	14,291		12,517	25,830	10,064		10,134	23,602	6,846	
Vermilion	101	101	0		73	268	0		159	718	0		134	1,241	26	
West Baton Rouge	0	0	0		0	0	0		0	0	0		0	0	0	
Total	98,924	218,096	24,688		92,186	228,316	28,733		60,794	124,934	30,324		46,421	98,555	25,495	

Table 5 (continued). Method of take by parish for seasons 1-22, Coastwide Nutria Control Program. Totals may not be exact due to reporting of percentages.

PARISH	2018-2019				2019-2020				2020-2021				2021-2022			
	Trap	Rifle	Shotgun	Trap	Rifle	Shotgun	Trap	Rifle	Shotgun	Trap	Rifle	Shotgun	Trap	Rifle	Shotgun	
Acadia	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Ascension	274	1,234	29	638	1539	68	338	1116	321	258.7	321.26	166.71				
Assumption	644	1,143	98	113	716	98	329	444	378	329.41	534.36	3741.53				
Calcasieu	0	0	0	0	0	0	0	0	0	0	114	0				
Cameron	13,314	521	0	6956	509	66	2249	0	0	2184	0	0				
Iberia	518	1,187	765	334	1391	36	497	351	2636	1026.47	1870.32	3085.13				
Iberville	1,077	2,545	501	693	5325	332	390	1768	2226	451.79	1966.93	10825.43				
Jefferson	4,650	6,236	2,809	3574	4514	189	5311	16100	4726	1082.8	5870.8	251				
Jefferson Davis	0	0	0	0	0	0	0	0	0	0	0	0				
Lafayette	0	0	0	0	0	0	0	0	0	0	0	0				
Lafourche	7,575	11,329	553	3504	10519	395	7006	12581	2472	990.95	15126.56	2339.9				
Livingston	536	1,959	43	1088	3028	165	896	2526	984	485.92	972.58	365.16				
Orleans	75	88	0	0	2702	0	0	1559	213	0	0	0				
Plaquemines	4,846	24,351	10,460	1784	39530	21066	4779	40263	17575	833.95	10428.15	7808.8				
St. Bernard	767	2,789	173	2909	7221	1012	494	9411	0	257.5	1408	257.5				
St. Charles	2,283	4,972	95	3603	7867	238	3257	7538	953	2844.5	4470	56.5				
St. James	454	2,112	33	1035	2500	111	482	2822	514	421.24	497.89	258.24				
St. John the Baptist	1,486	4,231	0	1896	9191	1247	1217	7387	2886	1372.32	4914.18	1511.73				
St. Martin	5,833	3,442	3,987	3060	5147	1784	1968	4695	8219	2483.98	3184.33	10534.09				
St. Mary	6,345	20,505	4,406	5435	19437	3091	8076	30071	8426	9304.81	24075.04	10704.99				
St. Tammany	1,059	1,187	85	116	2777	2549	1473	4046	5393	306	1261.04	3337.66				
Tangipahoa	1,078	1,942	367	1497	5230	563	1579	7114	3317	958.83	3489.1	951.57				
Terrebonne	6,777	30,073	15,110	9458	21974	13776	12186	31286	17278	7009.44	20391.26	14129.67				
Vermilion	415	1,578	209	23	248	0	0	0	0	0	0	0				
West Baton Rouge	0	0	0	0	0	0	0	0	0	0	0	0				
Total	60,006	123,426	39,723	47,715	151,365	46,785	52,524	181,077	78,517	32,603	100,896	70,326				

Table 5 (continued). Method of take by parish for seasons 1-22, Coastwide Nutria Control Program. Totals may not be exact due to reporting of percentages.

PARISH	2022-2023			2023-2024		
	Trap	Rifle	Shotgun	Trap	Rifle	Shotgun
Acadia						
Ascension	206	680	110	439	1,516	363
Assumption	76	153	342	3,218	255	2,501
Calcasieu				2	252	4
Cameron	-	-	121	580	238	-
Iberia	414	755	6,480	1,660	5,289	6,255
Iberville	756	730	14,104	3,184	824	8,068
Jefferson	439	12,874	126	3,810	15,607	3,482
Jefferson Davis						
Lafayette						
Lafourche	3,325	8,695	131	4,529	10,443	1,843
Livingston	312	1,312	423	794	2,317	692
Orleans				11	162	118
Plaquemines	121	12,657	4,807	1,697	63,795	18,089
St. Bernard	1,666	5,242	7,024	312	23,392	19,744
St. Charles	5,026	3,981	3,324	6,760	6,934	1,664
St. James	196	936	175	663	2,424	524
St. John the Baptist	671	3,202	850	2,410	7,715	1,359
St. Martin	2,320	5,260	19,235	7,820	7,482	12,630
St. Mary	7,319	21,893	16,394	14,030	25,861	14,017
St. Tammany	677	1,904	1,298	4,333	17,566	4,075
Tangipahoa	135	3,442	2,463	859	5,439	1,315
Terrebonne	4,406	23,140	9,076	6,588	28,239	15,059
Vermilion				-	62	-
West Baton Rouge						
Total	28,063	106,857	86,483	28,063	106,857	86,483

Table 5 (continued). Method of take by parish for seasons 1-22, Coastwide Nutria Control Program. Totals may not be exact due to reporting of percentages.

Year	Number of Sites Surveyed	Number of Sites with Current Damage	Number of Sites Converted to Open Water	Sites with Vegetative Recovery
2002	108 ¹	86	8	12
2003	100	81	3	16
2004	93	68	1	24
2005	78	47	2	29
2006	52	31	9	12
2007	34	23	3 (partial sites)	11 ²
2008	23	16	1 (partial site)	6
2009	24	19	1 (partial site)	5 ²
2010	20	11	0	9
2011	11	10	0	1
2012	12	11	0	1
2013	14	12	0	2
2014	13	11	0	2
2015	12	11	0	1
2016	10	10	4 (partial sites)	0
2017	17	16	5 (partial sites)	1
2018	25 ^{1,3}	21	6 (partial sites)	2
2019	25	25	11 (partial sites)	0
2020	25	23	7 (partial sites)	2
2021	25	23	6 (partial sites)	2
2022	23	22	2 (partial sites)	1
2023	24	21	2 (partial sites)	3
2024	22	21	1 (partial site)	1

Table 6. Status and number of nutria herbivory sites surveyed from 2002 to 2024.

¹ Two sites could not be evaluated due to high water.

² Total includes 1 site with partial recovery.

³ Two separate sites from previous season merged together to form single site

PARISH	2002			2003			2004			2005			2006		
	NUMBER OF			NUMBER OF			NUMBER OF			NUMBER OF			NUMBER OF		
	SITES	ACRES		SITES	ACRES		SITES	ACRES		SITES	ACRES		SITES	ACRES	
Terbonne	41	12,951		34	12,521		27	7,679		18	4,541		14	7,340	
Lafourche	8	1,222		7	610		5	381		2	127		0	0	
Jefferson	17	3,003		10	1,805		9	1,718		7	1,383		5	874	
Plaquemines	10	882		13	2,540		7	2,494		7	1,850		7	1,763	
St. Charles	6	768		6	1,266		9	2,564		6	4,690		5	3,249	
Cameron	0	0		0	0		0	0		0	0		1	233	
St. Bernard	6	921		5	918		5	1,035		4	882		4	1,004	
St. John	0	0		1	20		2	111		2	240		2	241	
Iberia	0	0		0	0		0	0		1	158		0	0	
St. Tammany	4	752		2	360		0	0		0	0		0	0	
Orleans	2	686		2	962		0	0		0	0		0	0	
St. Mary	0	0		0	0		0	0		0	0		0	0	
Vermilion	0	0		4	886		5	924		2	389		1	76	
Jefferson Davis	0	0		0	0		0	0		0	0		1	88	
St. John the Baptist	0	0		0	0		0	0		0	0		0	0	
Total	94	21,185		84	21,888		69	16,906		49	14,260		40	14,868¹	

Table 7. Number of nutria damaged sites and acres damaged along transects by parish in coastal Louisiana, 2002 - 2024.

¹This figure represents acres damaged along transects only. Actual damage coastwide is approximately 3.75 times larger than the area estimated by this survey.

²This figure includes 2,553 acres of marsh previously impacted by nutria that was likely converted to open water in Plaquemines and St. Bernard Parishes due to tidal scour from Hurricane Katrina.

³These figures include acres from sites that were partially converted to open water.

PARISH	2007			2008			2009			2010			2011	
	NUMBER OF			NUMBER OF			NUMBER OF			NUMBER OF			NUMBER OF	
	SITES	ACRES		SITES	ACRES		SITES	ACRES		SITES	ACRES		SITES	ACRES
Terrebonne	12	5,915		12	3,768		10	3,162		10	2,241		9	1,591
Lafourche	2	328		2	338		2	207		1	19		1	88
Jefferson	3	177 ²		2	69		1	29		0	0		0	0
Plaquemines	0	0		1	11		1	9		0	0		0	0
St. Charles	4	2,216 ²		5	2,215 ²		4	1,895		0	0		0	0
Cameron	1	167		0	0		1	120		0	0		0	0
St. Bernard	1	225 ²		0	0		0	0		0	0		0	0
St. John	0	0		0	0		0	0		0	0		0	0
Iberia	0	0		0	0		0	0		0	0		0	0
St. Tammany	0	0		0	0		0	0		0	0		0	0
Orleans	0	0		0	0		0	0		0	0		0	0
St. Mary	0	0		0	0		0	0		0	0		0	0
Vermilion	0	0		0	0		0	0		0	0		0	0
Jefferson Davis	1	81		0	0		0	0		0	0		0	0
St. John the Baptist	1	135		1	70		0	0		0	0		0	0
Total	25	9,244²		23	6,471²		19	5,422		11	2,260		10	1,679

Table 7 (Continued).

Number of nutria damaged sites and acres damaged along transects by parish in coastal Louisiana, 2002 - 2024.

¹This figure represents acres damaged along transects only. Actual damage coastwide is approximately 3.75 times larger than the area estimated by this survey.

²This figure includes 2,553 acres of marsh previously impacted by nutria that was likely converted to open water in Plaquemines and St. Bernard Parishes due to tidal scour from Hurricane Katrina.

³These figures include acres from sites that were partially converted to open water.

PARISH	2012		2013		2014		2015		2016	
	NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF	
	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES
Terrebonne	10	1033	10	1212	9	1078	10	1586	10	1716
Lafourche	1	96	0	0	0	0	0	0	0	0
Jefferson	0	0	0	0	0	0	0	0	0	0
Plaquemines	0	0	0	0	0	0	0	0	0	0
St. Charles	0	0	0	0	0	0	0	0	0	0
Cameron	0	0	0	0	0	0	0	0	0	0
St. Bernard	0	0	0	0	0	0	0	0	0	0
St. John	0	0	0	0	0	0	0	0	0	0
Iberia	0	0	0	0	0	0	0	0	0	0
St. Tammany	0	0	0	0	0	0	0	0	0	0
Orleans	0	0	0	0	0	0	0	0	0	0
St. Mary	0	0	2	21	2	37	1	16	1	16
Vermilion	0	0	0	0	0	0	0	0	0	0
Jefferson Davis	0	0	0	0	0	0	0	0	0	0
St. John the Baptist	0	0	0	0	0	0	0	0	0	0
Total	11	1,129	12	1,233	11	1,115	11	1,602	11	1,732²

Table 7 (Continued).

Number of nutria damaged sites and acres damaged along transects by parish in coastal Louisiana, 2002 - 2024.

¹This figure represents acres damaged along transects only. Actual damage coastwide is approximately 3.75 times larger than the area estimated by this survey.

²This figure includes 2,553 acres of marsh previously impacted by nutria that was likely converted to open water in Plaquemines and St. Bernard Parishes due to tidal scour from Hurricane Katrina.

³These figures include acres from sites that were partially converted to open water.

PARISH	2017		2018		2019		2020		2021		2022	
	NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF	
	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES
Terrebonne	13	1,283	17	3,578	18	3,319	19	3,456	19	1,971	17	1,052
Lafourche	0	0	0	0	0	0	0	0	0	0	0	0
Jefferson	1	174	0	0	0	0	0	0	0	0	0	0
Plaquemines	0	0	0	0	0	0	0	0	0	0	0	0
St. Charles	1	72	1	504	1	93	1	49	1	81	1	63
Cameron	1	35	2	74	2	117	1	39	1	36	1	50
St. Bernard	0	0	0	0	0	0	0	0	0	0	0	0
St. John	0	0	0	0	0	0	0	0	0	0	0	0
Iberia	0	0	0	0	0	0	0	0	0	0	0	0
St. Tammany	0	0	0	0	0	0	0	0	0	0	0	0
Orleans	0	0	0	0	0	0	0	0	0	0	0	0
St. Mary	0	0	1	224	4	378	2	110	4	162	4	0
Vermilion	0	0	0	0	0	0	0	0	0	0	0	0
Jefferson Davis	0	0	0	0	0	0	0	0	0	0	0	0
St. John the Baptist	0	0	0	0	0	0	0	0	0	0	0	0
Total	16	1,564²	21	4,380²	25	3,907	23	3,654	25	2,250	23	1,248

Table 7 (Continued).

Number of nutria damaged sites and acres damaged along transects by parish in coastal Louisiana, 2002 - 2024.

¹This figure represents acres damaged along transects only. Actual damage coastwide is approximately 3.75 times larger than the area estimated by this survey.

²This figure includes 2,553 acres of marsh previously impacted by nutria that was likely converted to open water in Plaquemines and St. Bernard Parishes due to tidal scour from Hurricane Katrina.

³These figures include acres from sites that were partially converted to open water.

PARISH	2023		2024	
	NUMBER OF		NUMBER OF	
	SITES	ACRES	SITES	ACRES
Terrebonne	18	1,052	18	1,387
Lafourche	0	0	0	0
Jefferson	0	0	0	0
Plaquemines	0	0	0	0
St. Charles	1	63	1	46
Cameron	0	50	0	0
St. Bernard	0	0	0	0
St. John	0	0	0	0
Iberia	0	0	0	0
St. Tammany	0	0	0	0
Orleans	0	0	0	0
St. Mary	3	0	2	46
Vermilion	1	0	0	0
Jefferson Davis	0	0	0	0
St. John the Baptist	0	0	0	0
Total	23	1,248	21	1,479

Table 7 (Continued).

Number of nutria damaged sites and acres damaged along transects by parish in coastal Louisiana, 2002 - 2024.

¹This figure represents acres damaged along transects only. Actual damage coastwide is approximately 3.75 times larger than the area estimated by this survey.

²This figure includes 2,553 acres of marsh previously impacted by nutria that was likely converted to open water in Plaquemines and St. Bernard Parishes due to tidal scour from Hurricane Katrina.

³These figures include acres from sites that were partially converted to open water.

MARSH TYPE	2002		2003		2004		2005		2006		2007	
	NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF	
	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES
Fresh	41	11,593	36	10,871	37	10,565	26	9,811	23	11,273	21	8,842
Intermediate	39	7,416	31	8,086	25	5,128	19	3,789	16	3,421	3	298
Brackish	14	2,176	17	2,931	7	1,213	4	660	1	174	1	104
Total	94	21,185	84	21,888	69	16,906	49	14,260	40	14,868	251	9,244¹

Table 8. Number of nutria damaged sites and acres damaged, by marsh type along transects in coastal Louisiana during 2002 to 2024; numbers include sites converted to open water.

¹ Total includes sites that were partially converted to open water.

MARSH TYPE	2008		2009		2010		2011		2012		2013	
	NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF	
	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES
Fresh	21	6,127	17	5,384	11	2,260	10	1,679	11	1,129	12	1,233
Intermediate	2	44	2	38	0	0	0	0	0	0	0	0
Brackish	0	0	0	0	0	0	0	0	0	0	0	0
Total	23	6,471¹	19	5,422	11	2,260	10	1,679	11	1,129	12	1,233

Table 8 continued.

MARSH TYPE	2014		2015		2016		2017		2018		2019	
	NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF	
	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES
Fresh	11	1,115	11	1,602	11	1,716	15	1,390	21	4,380	25	3,907
Intermediate	0	0	0	0	0	0	0	0	0	0	0	0
Brackish	0	0	0	0	0	0	1	174	0	0	0	0
Total	11	1,115	11	1,602	11	1,716	16	1,564	21	4,380	25	3,907

Table 8 continued.

MARSH TYPE	2020		2021		2022		2023		2024	
	NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF	
	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES
Fresh	23	3,654	23	2,250	22	1,248	20	1,157	21	1,479
Intermediate	0	0	0	0	0	0	1	106	0	106
Brackish	0	0	0	0	0	0	0	0	0	0
Total	23	3,654	23	2,250	22	1,248	21	1,263	21	1,479

Table 8 continued. Number of nutria damaged sites and acres damaged, by marsh type along transects in coastal Louisiana during 2002 to 2024; numbers include sites converted to open water.

¹ Total includes sites that were partially converted to open water.

NUTRIA RELATIVE ABUNDANCE RATING	2002		2003		2004		2005		2006		2007	
	NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF	
	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES
No nutria sign visible	21	5,990	23	5,972	13	3,569	12	2,992	4	519	2	73
Nutria sign visible	31	4,379	26	3,562	29	6,040	28	6,748	26	11,223	12	3,402
Abundant feeding	17	4,198	19	6,682	19	5,251	4	4,113	1	573	5	1,495
Heavy feeding	17	5,568	14	5,599	7	2,026	1	273	0	0	4	3,658
Total	86	20,135	81	21,815	69	16,886	47	14,126	31	12,315	23	8,628

Table 9. Number of nutria damage sites and acres damaged by revised nutria relative abundance rating in coastal Louisiana during 2002 to 2024; numbers do not include sites converted to open water.

NUTRIA RELATIVE ABUNDANCE RATING	2008		2009		2010		2011		2012		2013	
	NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF	
	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES
No nutria sign visible	0	0	0	0	0	0	0	0	0	0	0	0
Nutria sign visible	13	2,234	6	517	0	0	1	139	3	117	6	198
Abundant feeding	8	3,522	8	1,169	7	640	9	1,540	8	1,012	6	1,035
Heavy feeding	2	415	5	3,736	4	1,620	0	0	0	0	0	0
Total	23	6,171	19	5,422	11	2,260	10	1,679	11	1,129	12	1,233

Table 9 continued.

NUTRIA RELATIVE ABUNDANCE RATING	2014		2015		2016		2017		2018		2019	
	NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF	
	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES
No nutria sign visible	0	0	0	0	0	0	0	0	0	0	0	0
Nutria sign visible	2	22	3	59	7	581	14	1,136	13	2,084	19	2,149
Abundant feeding	9	1,093	7	741	6	1,077	3	429	7	2,134	6	1,758
Heavy feeding	0	0	1	802	1	74	0	0	1	161	0	0
Total	11	1,115	11	1,602	3193	1,732	3193	1,564	21	4,380	25	3,907

Table 9 continued.

NUTRIA RELATIVE ABUNDANCE RATING	2020		2021		2022		2023		2024	
	NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF	
	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES
No nutria sign visible	0	0	0	0	0	0	0	0	0	0
Nutria sign visible	21	2,659	20	1,526	23	1,248	20	1,254	21	1,479
Abundant feeding	2	995	3	724	0	0	1	9	0	0
Heavy feeding	0	0	0	0	0	0	0	0	0	0
Total	23	3,654	23	2,250	23	1,248	21	1,248	21	1,479

Table 9 continued. Number of nutria damage sites and acres damaged by revised nutria relative abundance rating in coastal Louisiana during 2002 to 2024; numbers do not include sites converted to open water.

VEGETATIVE DAMAGE RATING	2002		2003		2004		2005		2006		2007	
	NUMBER OF SITES	NUMBER OF ACRES	NUMBER OF SITES	NUMBER OF ACRES	NUMBER OF SITES	NUMBER OF ACRES	NUMBER OF SITES	NUMBER OF ACRES	NUMBER OF SITES	NUMBER OF ACRES	NUMBER OF SITES	NUMBER OF ACRES
No vegetative damage	1	30	0	0	0	0	0	0	0	0	0	0
Minor vegetative damage	28	3,498	26	8,732	35	6,675	34	8,070	21	7,621	17	4,021
Moderate vegetative damage	44	13,156	41	9,221	29	9,536	12	5,905	9	4,581	6	4,607
Severe vegetative damage	13	3,451	14	3,862	4	675	1	151	1	113	0	0
Converted to open water	8	1,050	3	73	1	20	2	134	9	2,553	3 ¹	616 ¹
TOTAL	94	21,185	84	21,888	69	16,906	49	14,260	40	14,868	26¹	9,244¹

Table 10. Number of nutria damage sites and number of acres by the vegetative damage rating in coastal Louisiana 2002 to 2024.

¹ Total includes sites that were partially converted to open water.

VEGETATIVE DAMAGE RATING	2008		2009		2010		2011		2012		2013	
	NUMBER OF SITES	NUMBER OF ACRES	NUMBER OF SITES	NUMBER OF ACRES	NUMBER OF SITES	NUMBER OF ACRES	NUMBER OF SITES	NUMBER OF ACRES	NUMBER OF SITES	NUMBER OF ACRES	NUMBER OF SITES	NUMBER OF ACRES
No vegetative damage	0	0	0	0	0	0	0	0	0	0	0	0
Minor vegetative damage	17	5,402	15	5,102	11	2,260	10	1,679	11	1,129	7	285
Moderate vegetative damage	5	640	4	320	0	0	0	0	0	0	3	726
Severe vegetative damage	1	129	0	0	0	0	0	0	0	0	2	222
Converted to open water	1 ¹	300 ¹	1 ¹	90	0	0	0	0	0	0	0	0
TOTAL	24¹	6,471¹	20¹	5,512	11	2,260	10	1,679	11	1,129	12	1,233

Table 10 continued.

VEGETATIVE DAMAGE RATING	2014		2015		2016		2017		2018		2019	
	NUMBER OF SITES	NUMBER OF ACRES	NUMBER OF SITES	NUMBER OF ACRES	NUMBER OF SITES	NUMBER OF ACRES	NUMBER OF SITES	NUMBER OF ACRES	NUMBER OF SITES	NUMBER OF ACRES	NUMBER OF SITES	NUMBER OF ACRES
No vegetative damage	0	0	0	0	0	0	0	16	0	0	0	0
Minor vegetative damage	8	898	9	772	2	39.93	10 ¹	850 ¹	12 ¹	1,832 ¹	12 ¹	834 ¹
Moderate vegetative damage	3	217	2	830	6 ¹	558 ¹	5 ¹	540 ¹	11 ¹	1,472 ¹	9 ¹	1,701 ¹
Severe vegetative damage	0	0	0	0	3	1134	1	174	2 ¹	208 ¹	9 ¹	1,379 ¹
Converted to open water	0	0	0	0	4 ¹	125 ¹	5 ¹	76 ¹	6 ¹	867 ¹	11 ¹	910 ¹
TOTAL	11	1,115	11	1,602	15¹	1,857¹	16¹	1,656¹	31¹	4,380¹	41¹	4,824¹

Table 10 continued.

VEGETATIVE DAMAGE RATING	2020		2021		2022		2023		2024	
	NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF	
	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES
No vegetative damage	2	168	2	162	1	22	3	102	1	0
Minor vegetative damage	12	1474	5	295	5	193	3	98	8	243
Moderate vegetative damage	8	1122	12	1221	16	963	18	1165	13	1236
Severe vegetative damage	2	995	5	649	1	93	0	0	0	0
Converted to open water	1	260	1	85	2	77	2	49	0	0
TOTAL	25	4,019²	25	2,412²	25	1,348²	24	1,414²	22	1,479

Table 10 continued. Number of nutria damage sites and number of acres by the vegetative damage rating in coastal Louisiana 2002 to 2024.
² Total includes sites that were partially converted to open water and recovered acres.

AGE OF DAMAGE AND CONDITION RATING	2002		2003		2004		2005		2006		2007	
	NUMBER OF SITES	ACRES	NUMBER OF SITES	ACRES	NUMBER OF SITES	ACRES	NUMBER OF SITES	ACRES	NUMBER OF SITES	ACRES	NUMBER OF SITES	ACRES
Recovered	12	1,119	16	1,674	24	6,049	29	4,169	13 ¹	1,341 ¹	11 ¹	1,783 ¹
Old Recovering	51	7,694	51	14,382	53	12,338	39	10,878	21	9,429	14	5,011
Old Not Recovering	31	11,449	17	5,375	5	2,898	2	656	4	1,519	5	2,874
Recent Recovering	0	0	0	0	1	35	1	10	0	0	0	0
Recent Not Recovering	0	0	0	0	0	0	0	0	1	285	0	0
Current Damage	4	992	13	2,058	9	1,615	5	2,582	5	1,082	4	743
Total	98	21,254	97	23,489	92	22,935	76	18,295	44¹	13,656¹	34¹	10,411¹

Table 11. Number of nutria damage sites by age of damage and condition rating in coastal Louisiana in 2002 to 2024.

¹Total includes sites that were partially recovered.

AGE OF DAMAGE AND CONDITION RATING	2008		2009		2010		2011		2012		2013	
	NUMBER OF SITES	ACRES	NUMBER OF SITES	ACRES	NUMBER OF SITES	ACRES	NUMBER OF SITES	ACRES	NUMBER OF SITES	ACRES	NUMBER OF SITES	ACRES
Recovered	6	736	5 ¹	673 ¹	9	1,914	1	62	1	36	2	96
Old Recovering	15	3,852	16	5,321	10	2,198	5	1,270	8	1,033	1	29
Old Not Recovering	3	1,914	2	57	0	0	4	224	1	53	8	1,168
Recent Recovering	0	0	0	0	0	0	0	0	0	0	0	0
Recent Not Recovering	0	0	0	0	0	0	0	0	0	0	0	0
Current Damage	5	405	1	44	1	62	1	185	2	43	3	36
Total	29	6,907	23¹	6,095¹	20	4,174	11	1,741	12¹	1,165¹	14¹	1,329¹

Table 11 continued.

AGE OF DAMAGE AND CONDITION RATING	2014		2015		2016		2017		2018		2019	
	NUMBER OF SITES	ACRES	NUMBER OF SITES	ACRES	NUMBER OF SITES	ACRES	NUMBER OF SITES	ACRES	NUMBER OF SITES	ACRES	NUMBER OF SITES	ACRES
Recovered	2	34	1	23	0	0	1	16	0	0	0	0
Old Recovering	7	259	3	60	3	109	4	307	2	87	1	93
Old Not Recovering	3	833	7	1,481	8	1,624	6	481	7	1,687	9	2,068
Recent Recovering	0	0	0	0	0	0	1	35	0	0	1	79
Recent Not Recovering	0	0	0	0	0	0	0	0	0	0	4	715
Current Damage	1	23	1	61	0	0	5	740	12	2,606	9	952
Total	13¹	1,149¹	12¹	1,625¹	11¹	1,732¹	17¹	1,580¹	21¹	4,380¹	25¹	3,907¹

Table 11 continued.

AGE OF DAMAGE AND CONDITION RATING	2020		2021		2022		2023		2024	
	NUMBER OF SITES	NUMBER OF ACRES	NUMBER OF SITES	NUMBER OF ACRES	NUMBER OF SITES	NUMBER OF ACRES	NUMBER OF SITES	NUMBER OF ACRES	NUMBER OF SITES	NUMBER OF ACRES
Recovered	2	168	0	23	1	22	3	102	0	0
Old Recovering	3	117	3	139	3	114	2	84	1	12
Old Not Recovering	12	2335	19	1995	18	1054	17	1067	18	1418
Recent Recovering	2	111	0	0	1	0	0	0	1	0
Recent Not Recovering	4	338	0	0	1	44	1	9	1	14
Current Damage	2	753	2	115	1	37	1	106	1	35
Total	25	3,822¹	25	2,272¹	23	1,271¹	24	1,368¹	22	1,479

Table 11 continued. Number of nutria damage sites by age of damage and condition rating in coastal Louisiana in 2002 to 2024.
¹ Total includes sites that were partially recovered.

PREDICTION OF RECOVERY BY END OF GROWING SEASON	2002		2003		2004		2005		2006		2007	
	NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF	
	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES
Full Recovery	7	919	8	4,238	10	338	6	443	4	828	2	350
Partial Recovery	59	13,950	64	14,497	50	13,440	36	10,073	27	11,487	21	8,278
Increased Damage	5	1,086	6	1,646	6	2,811	5	3,610	0	0	0	0
No Recovery Predicated	15	4,180	3	1,434	2	297	0	0	0	0	0	0
TOTAL	94	21,185	84	21,888	69	16,906	49	14,260	31	12,315	23	8,628

Table 12. Number of nutria damage sites and acres damaged, by prediction of recovery rating in coastal Louisiana in 2002 to 2024.

PREDICTION OF RECOVERY BY END OF GROWING SEASON	2008		2009		2010		2011		2012		2013	
	NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF	
	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES
Full Recovery	1	80	2	1,588	2	84	0	0	0	0	0	0
Partial Recovery	22	6,091	16	3,543	9	2,176	10	1,679	11	1,129	3	665
Increased Damage	0	0	1	291	0	0	0	0	0	0	9	568
No Recovery Predicated	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	23	6,171	19	5,422	11	2,260	10	1,679	11	1,129	12	1,233

Table 12 continued.

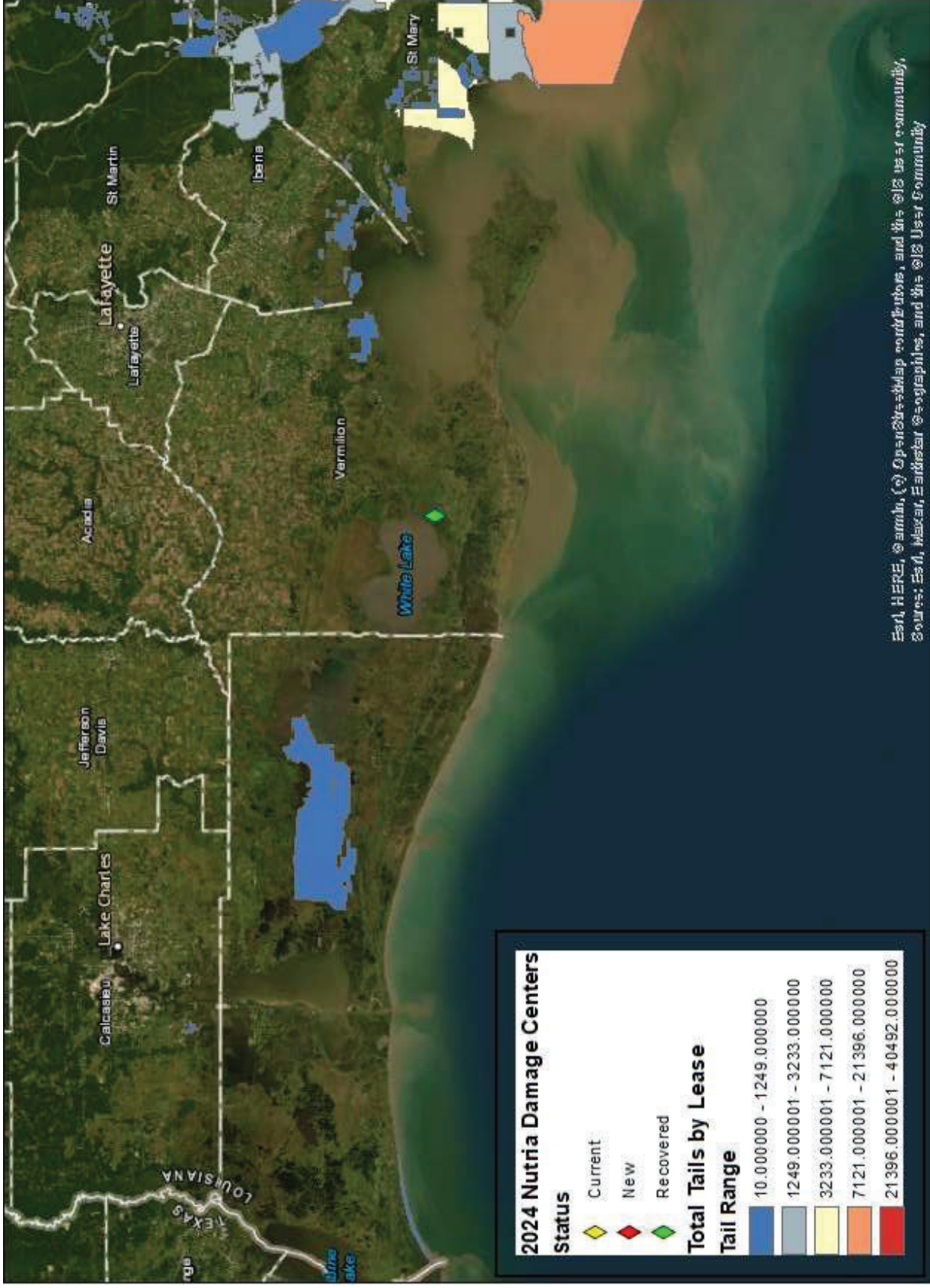
PREDICTION OF RECOVERY BY END OF GROWING SEASON	2014		2015		2016		2017		2018		2019	
	NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF	
	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES
Full Recovery	0	0	1	16	7	1,550	3	107	1	35	0	0
Partial Recovery	2	22	3	61	0	0	1	122	6	506	7	711
Increased Damage	9	1,093	7	1,525	3	109	1	159	5	1,305	2	279
No Recovery Predicated	0	0	0	0	1	74	12	1,176	9	2,533	16	2,917
TOTAL	11	1,115	11	1,602	11	1,732	17	1,564	21	4,379	25	3,907

Table 12 continued.

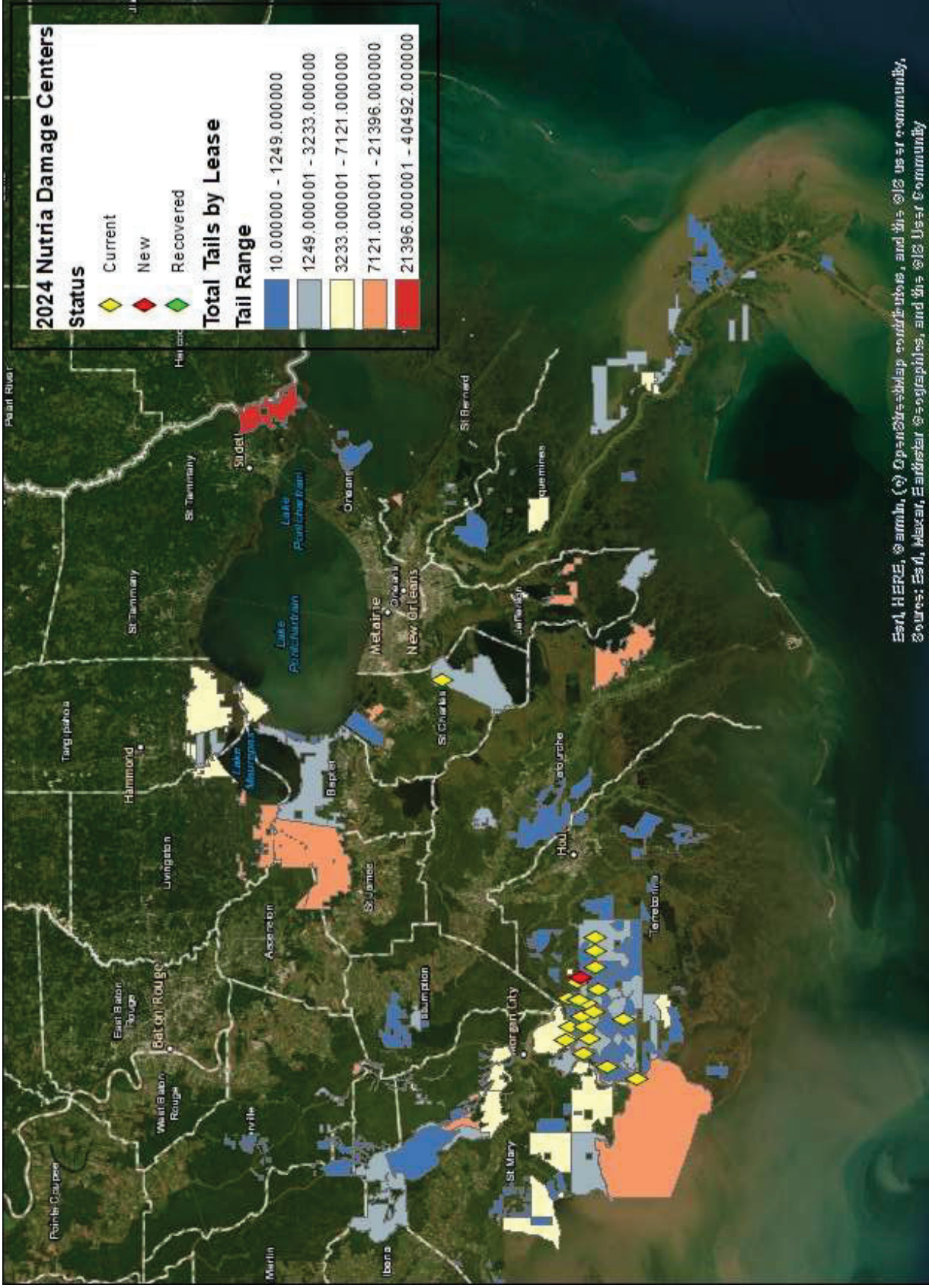
PREDICTION OF RECOVERY BY END OF GROWING	2020		2021		2022		2023		2024	
	NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF		NUMBER OF	
	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES	SITES	ACRES
Full Recovery	0	0	0	0	0	0	0	0	0	0
Partial Recovery	5	220	3	139	3	114	5	185	2	12
Increased Damage	0	0	2	291	0	0	0	0	0	0
No Recovery Predicated	18	3434	18	1820	20	1135	19	1179	19	1467
TOTAL	23	3,654	23	2,250	23	1,249	24	1,365	21	1,479

Table 12 continued. Number of nutria damage sites and acres damaged, by prediction of recovery rating in coastal Louisiana in 2002 to 2024.

APPENDIX B.
2024 Nutria Vegetative Damage Sites



Nutria Harvest Levels and Damage centers in Southwestern Louisiana



Nutria Harvest Levels and Damage centers in Southeastern Louisiana

SITE	Parish	Line	MARSH TYPE	LAT	LONG	DAMAG E TYPE	OTHER DAMAGE	2023 DAMAGE ACRES	2024 DAMAGE ACRES	ACRES TO OPEN WATER	NRAR	VDR	NUMBER OF NUTRIA OBSERVED
9	Terrebonne	22C	Fresh	29.575123	-91.133007	Nutria		27.78	12.84		1	2	29
17	Terrebonne	23	Fresh	29.545463	-91.041766	Nutria		197.59	192.65		1	2	32
120	Terrebonne	22B	Fresh	29.608273	-91.065678	Nutria		108.55	291.03		1	2	49
400	Terrebonne	22A	Fresh	29.580074	-91.107579	Nutria	Pig	128.69	244.41		1	2	45
418	Terrebonne	23	Fresh	29.589854	-91.023545	Nutria		13.26	21.25		1	1	2
434	Terrebonne	22A	Fresh	29.493966	-91.114094	Nutria	Pig	17.10	44.09		1	2	3
436	Terrebonne	22A	Fresh	29.555496	-91.095488	Nutria		26.41	42.66		1	2	31
437	Terrebonne	22B	Fresh	29.571645	-91.075072	Nutria		99.87	127.36		1	2	66
438	Terrebonne	22B	Fresh	29.586615	-91.069227	Nutria		46.57	35.41		1	2	29
439	Terrebonne	23A	Fresh	29.553651	-90.988326	Nutria		26.50	56.51		1	1	11
441	St. Charles	29	Fresh	29.8764	-90.292959	Nutria		62.33	46.37		1	1	4
443	Terrebonne	21C	Fresh	29.466584	-91.258249	Nutria		21.33	11.83		1	1	5
444	Terrebonne	21A	Fresh	29.528503	-91.229271	Nutria		87.24	71.76		1	2	25
446	St. Mary	22	Fresh	29.614769	-91.164251	Nutria		50.08	21.30	28.78	1	1	6
447	Terrebonne	22B	Fresh	29.591194	-91.068735	Nutria		44.50	43.06		1	2	20
448	Terrebonne	23B	Fresh	29.552145	-90.947293	Nutria		10.65	38.74		1	1	9
449	Terrebonne	24	Fresh	29.552938	-90.917293	Nutria		13.43	22.81		1	1	7
456	St. Mary	22C	Fresh	29.606449	-91.13226	Nutria		14.29	24.44		1	1	5
457	Terrebonne	22	Fresh	29.566278	-91.163105	Nutria		151.33	81.22		1	2	36
458	Vermillion	12C	Intermediate	29.693511	-92.384915	Nutria		106.19			1	0	1
459	Terrebonne	21B	Fresh	29.579249	-91.196034	Nutria		9.41	14.45		1	2	19
460	Terrebonne	23C	Fresh	29.585602	-91.012917	Nutria			34.93		1	2	22

Table 13. 2024 Nutria Vegetative Damage Sites. Nutria relative abundance rating (NRAR): (0) no nutria sign visible, (1) nutria sign visible, (2) abundant feeding sign, and (3) heavy feeding sign; sites converted to open water are not given a NRAR. Vegetative damage rating (VDR): (0) no vegetative damage, (1) minor vegetative damage, (2) moderate vegetative damage, (3) severe vegetative damage, (4) converted to open water. Number of nutria observed and counted at the site.

2024 NUTRIA VEGETATIVE DAMAGE SURVEY

DATE: _____

SITE # _____

PHOTOGRAPHY

NEW SITE Y N

FRAME# _____

TRANSECT# _____

TIME start: _____

MARSH TYPE _____

TIME finish: _____

NOTES:

LOCATION DESCRIPTION

ON TRANSECT # _____

EAST OF TRANSECT _____

WEST OF TRANSECT _____

LAT: _____

LON: _____

NUTRIA RELATIVE ABUNDANCE

RATING

 NO NUTRIA SIGN VISIBLE (0)

 NUTRIA SIGN VISIBLE (1)

 ABUNDANT FEEDING (2)

 HEAVY FEEDING (3)

NUTRIA SIGHTED _____

DAMAGE TYPE

 DAMAGE NOT RELATED TO NUTRIA

 DAMAGE - STORM

 DAMAGE - MUSKRAT

 DAMAGE - NUTRIA

 DAMAGE - OTHER _____

 SUBJECT TO TIDAL ACTION: Y N

VEGETATIVE DAMAGE RATING

 NO VEG DAMAGE (0)

 MINOR VEG DAMAGE (1)

 MODERATE VEG DAMAGE (2)

 SEVERE VEG DAMAGE (3)

 CONVERTED TO OPEN WATER (4)

PLANT SPECIES	COMMON NAME	seen?	PLANT SPECIES	COMMON NAME	seen?
Alternanthera philoxeroides	alligatorweed		Juncus spp.	rushes	
Aster spp.	asters		Ludwigia spp.	water primrose	
Bacopa spp.	water hyssop/bacopa		Lythrum lineare	purple loosestrife	
Bidens laevis	smooth beggar's tick		Panicum hemitomon	maidencane	
Cephalanthus occidentalis	button bush		Pluchea spp.	camphorweed	
Colocasia esculenta	elephant-ear		Sagittaria spp.	bulltongue/wapato	
Decodon spp.	water willow/loosestrife		Scirpus spp.	3-cornered grass/bullrush	
Distichlis spicata	saltgrass		Spartina alterniflora	oystergrass	
Eichhornia crassipes	water hyacinth		Spartina patens	wiregrass	
Eleocharis cellulose	gulfcoast spikerush		Typha spp.	cattail	
Eleocharis parvula	dwarf spikerush				
Hydrocotyle spp.	pennyworts				
Iris virginica	blue flag iris				

AGE OF DAMAGE AND CONDITION

 RECOVERED (0)

 OLD RECOVERING (1)

 OLD NOT RECOVERING (2)

 RECENT RECOVERING (3)

 RECENT NOT RECOVERING (4)

 CURRENT (OCCURRING NOW) (5)

PREDICTION OF RECOVERY BY END OF

GROWING SEASON

 NO RECOVERY PREDICTED (0)

 FULL RECOVERY (1)

 PARTIAL RECOVERY (2)

 INCREASED DAMAGE (3)

_____ CHECK NEXT YEAR

CODES FOR NUTRIA HERBIVORY SURVEY DATA

¹Marsh Type

Fresh	F
Intermediate	I
Brackish	B

²Nutria Relative Abundance Rating

No Nutria Sign Visible	0
Nutria Sign Visible	1
Abundant Feeding Sign	2
Heavy Feeding	3

³Vegetative Damage Rating

No Vegetative Damage	0
Minor Vegetative Damage	1
Moderate Vegetative Damage	2
Severe Vegetative Damage	3
Converted To Open Water	4

⁴Age of Damage and Condition

Recovered	0
Old Recovering	1
Old Not Recovering	2
Recent Recovering	3
Recent Not Recovering	4
Current (Occurring Now)	5

⁵Prediction of Recovery by End of 2024 Growing Season

No Recovery Predicted	0
Full Recovery	1
Partial Recovery	2
Increased Damage	3

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

STATUS OF UNCONSTRUCTED PROJECTS

For Report:

The P&E Subcommittee will report on the status of unconstructed CWPPRA projects. There were eight projects that were considered for “critical watch.”

Critical-watch unconstructed projects:

- Island Road Marsh Creation and Nourishment, TE-117
- West Fourchon Marsh Creation and Nourishment, TE-134
- Fritchie Marsh Creation and Terracing, PO 173
- Phoenix Marsh Creation East Increment, BS-42
- Bay Raccourci Marsh Creation Increment 2, TE-166
- Barataria Bay Rim Marsh Creation, BA-195
- Northeast Turtle Bay Marsh Creation and Critical Shoreline Protection, BA-206
- Northeast Turtle Bay Marsh Extension, BA-258

Status of Unconstructed Projects

Project: Island Road Marsh Creation and Nourishment (TE-117)

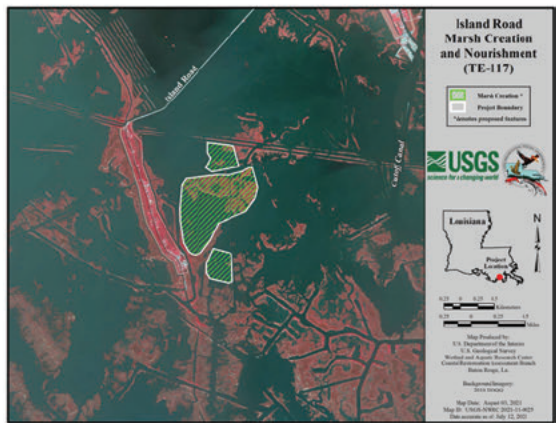
PPL: 23

Project Location: Region 3 – Terrebonne Basin, Terrebonne Parish

- Project Features:
- 229 acres of marsh creation
 - 66 acres of marsh nourishment

Federal Agency: NMFS

Fully Funded Cost: \$34,367,550



Status of Unconstructed Projects

Project: West Fourchon Marsh Creation and Nourishment (TE-134)

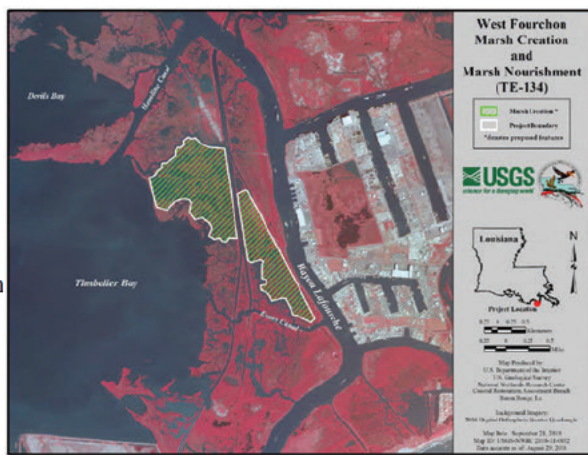
PPL: 24

Project Location: Region 3 – Terrebonne Basin, Lafourche Parish

- Project Features:
- 295 acres of marsh creation
 - 242 acres of marsh nourishment

Federal Agency: NMFS

Fully Funded Cost: \$30,494,148



Status of Unconstructed Projects

Project: Fritchie Marsh Creation and Terracing (PO-173)

PPL: 25

Project Location: Region 1 - Pontchartrain Basin, St. Tammany Parish

- Project Features:
- 288 acres of marsh creation
 - 197 acre terrace field consisting of 13 acres of terraces

Federal Agency: NMFS

Fully Funded Cost: \$39,126,975



Status of Unconstructed Projects

Project: Phoenix Marsh Creation East Increment (BS-42)

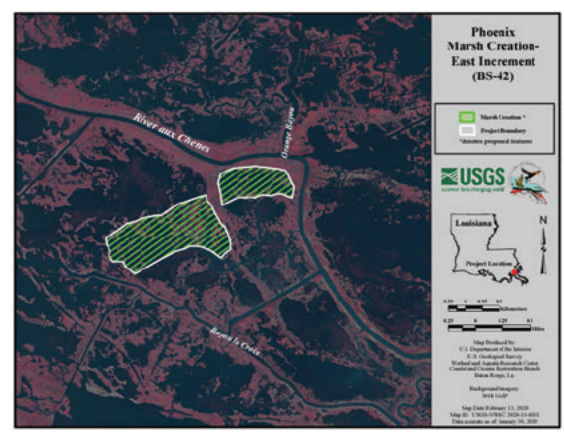
PPL: 29

Project Location: Region 2 - Breton Basin, Plaquemines Parish

- Project Features:
- 392 acres of marsh creation

Federal Agency: FWS

Fully Funded Cost: \$55,813,205



Status of Unconstructed Projects

Project: Bay Raccourci Marsh Creation Increment 2 (TE-166)

PPL: 30

Project Location: Region 3 – Terrebonne Basin, Terrebonne Parish

Project Features:
• 290 acres of marsh creation and nourishment

Federal Agency: FWS

Fully Funded Cost: \$29,481,022



Status of Unconstructed Projects

Project: Barataria Bay Rim Marsh Creation (BA-195)

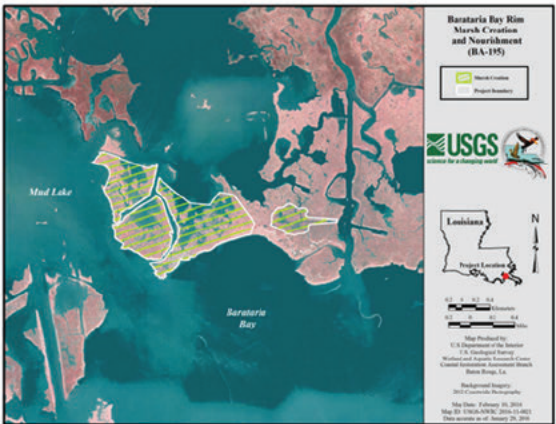
PPL: 25

Project Location: Region 2 - Barataria Basin, Jefferson & Plaquemines Parishes

Project Features:
• 251 acres of marsh creation
• 266 acres of marsh nourishment

Federal Agency: NRCS

Fully Funded Cost: \$30,294,291



Status of Unconstructed Projects

Project: Northeast Turtle Bay Marsh Creation and Critical Shoreline Protection (BA-206)

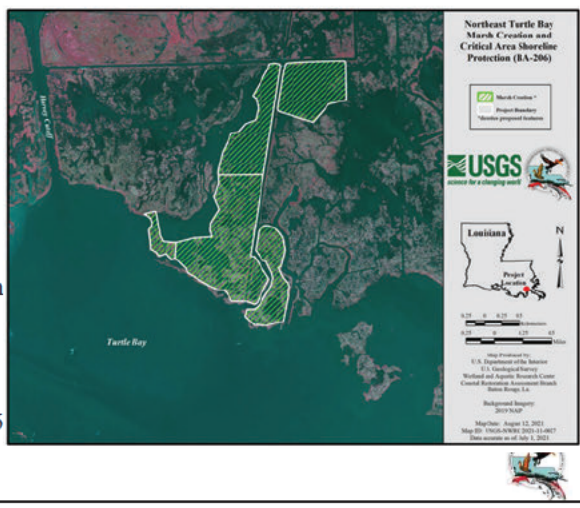
PPL: 27

Project Location: Region 2 - Barataria Basin, Jefferson Parish

Project Features:
• 536 acres of marsh creation

Federal Agency: NRCS

Fully Funded Cost: \$37,524,056



Status of Unconstructed Projects

Project: Northeast Turtle Bay Marsh Creation Extension (BA-258)

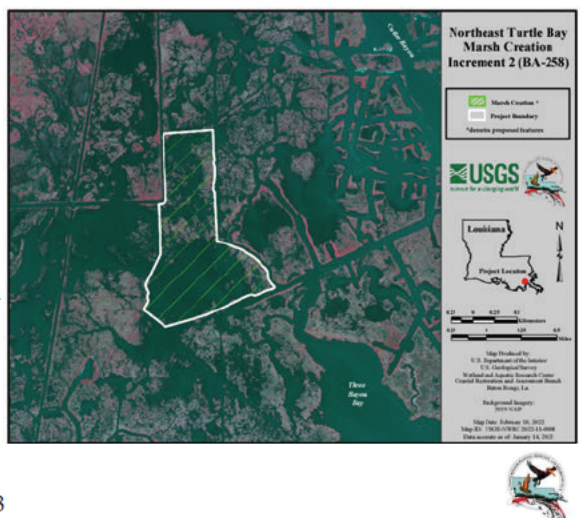
PPL: 31

Project Location: Region 2 - Barataria Basin, Jefferson Parish

Project Features:
• 362 acres of marsh creation
• 61 acres of marsh nourishment

Federal Agency: NRCS

Fully Funded Cost: \$37,207,763



Note: All projects on this tab will give a status report at the fall Technical Committee Meeting

Project Name	Project No.	Agency	PPL	Project Issue Delays	Near-term Milestones	Current Phase	Additional Category
Island Road Marsh Creation and Nourishment	TE-117	NMFS	23	LL&E. Phase 2 was approved in January 2023. The NTP for the partial elevation survey only on Apache Louisiana Minerals, LLC was issued in June, 2024. ConocoPhillips/Louisiana Land and Exploration denied right-of-entry requests for surveying. Likewise, their landrights approval for construction is pending and uncertain. Sponsors prefer not to not rescop the project, but will assess the layout implications if landrights issues persist.	II	II	Project Issue Delay
West Fourchon Marsh Creation & Marsh Nourishment	TE-134	NMFS	24	LL&E. Ph II funding approved Jan 2020. In July 2020, investigated using Belle Pass/Bayou Lafourche as a borrow source. Due to hurricane impacts, additional surveys of MCAs were completed. A Supplemental Environmental Assessment using the alternative borrow area was completed Oct 2023. Land rights agreement with LL&E is anticipated in Q4 2024. Oyster lease secondary bio-assessment, re-appraisal, and acquisition is anticipated to be contracted/tasked once land rights agreements with LL&E are in final draft. Project to brief out prior to bidding the project. Final design package with alternative borrow area, Q3 2024. Anticipated bid advertisement Q3 2025. Construction start estimated Q4 2025.	Design with alternate borrow	II	Project Issue Delay
Fritchie Marsh Creation and Terracing	PO-173	NMFS	25	AGE. Change in scope approved in Fall of 2021. NMFS working closely with USACE and CPRA to develop agreement where CPRA assumes E&D for Phase 1. The NMFS will continue to work with stakeholders to ensure grant documents and agreements are in place to move the project forward	Design agreement execution	I	Project Issue Delay
Phoenix Marsh Creation – East Increment	BS-42	FWS	29	RIVER BORROW. Team not planning to make a Phase II request in December 2024. Based on cost increases for river dredging (unit rates and mob/demob) and recent bid awards (\$15-\$16.50/CY for BA-217), the project team plans to consider interior borrow options to reduce costs and provide a more competitive project for a December 2025 request.	Ph. II Request	I	On schedule
Bay Raccourci Marsh Creation increment 2	TE-166	FWS	30	LL&E. 95% design completed in October 2023. Currently the major land owner (ConocoPhillips/LLE) is unwilling to sign land right agreements.	Land rights agreement	I	Project Issue Delay
*Barataria Bay Rim Marsh Creation	BA-195	NRCS	25	LL&E; AGE. Design is complete. Phase II Request on hold based on Project on support and concurrence with path forward. Coastal Master Plan Consistency was determined. Ph II funding requested twice	Ph. II Request	I	Project Issue Delay
Northeast Turtle Bay Marsh Creation and Critical Shoreline Protection	BA-206	NRCS	27	LL&E. Phase II approved in January 2022. Full re-survey conducted due to Hurricane Ida impacts. Design updated. Permit modification initiated. Landrights initiated but on hold, if resolved could be going to contracting by end of 2024	Go to contracting	II	Project Issue Delay
Northeast Turtle Bay Marsh Creation extension	BA-258	NRCS	31	LL&E. Phase I approved in January 2022. Initial topographic, bathymetric, and magnetometer surveys have been completed. Additional surveys delayed due to access permission from ConocoPhillips/LL&E (landowner) being denied. May impact Ph II request, anticipated Dec 2025	Ph. II Request	I	Project Issue Delay

*(JULY 2023) Projects that have competed for Phase II funding 3 or more times are considered critical watch due to increased risks of changing site conditions and potential cost growth. These projects will be highlighted in the public forum to bring attention to the Technical Committee and Task Force and raise awareness for other entities with alternative funding sources.

Status Review - Unconstructed CWPPRA Projects
July 2024

1. **Project Name (and number):** Island Road Marsh Creation and Nourishment (TE-117)
2. **SOUP Category:** Critical Watch, Project Issues Delays
3. **PPL:** 23
4. **Federal Agency:** NMFS
5. **Date of Construction Approval / Phase Two Approval:** January 2023
6. **Approved Total Budget:** \$34,367,549
7. **Fully Funded Estimate:** \$34,367,550
8. **Expenditures:** \$2,848,053
9. **Unexpended Funds:** \$30,077,940
10. **Estimate of anticipated funding increases, including O&M:**
11. **Potential changes to project benefits:** There have been no changes to project benefits since authorization of the Phase 2 funds in January 2023, by the Task Force. Based on 95% design level/Phase 2 request data, there was a decrease from 383 acres to 295 acres (-23%) in the project area and from 312 to 206 net acres (-34%).
12. **Brief chronology of project development and issues affecting implementation:**
 - January 2014 – Phase 1 Approval
 - 2015 to early 2017 – evaluated 4 alternative fill area layouts and 8 different alternatives for borrow areas based on infrastructure, water depths, and exploratory geotechnical surveys
 - 2017 - met with landowners and Ducks Unlimited discussing alternatives analysis and dual claims
 - May 2018 – draft borrow area geotechnical investigations and borrow area modeling
 - October 2019 – 30% Design Review
 - December 2019 – responded to agency comments on the 30% design
 - January 2020 – project delivery team meetings were suspended for a change in scope analysis
 - April 2020 –
 - CPRA concurrence letter to proceed to 95% design
 - NMFS concluded a draft scope change analysis and concluded to proceed to a scope change request and 95% design

- October 2020 – An initial 95% design package and WVA project information sheet was drafted, but completion was postponed to refine the design.
- January – March 2021, additional step-wise geotechnical analyses were conducted refining the duration for fill placement and mudline elevations to further inform the design and performance.
- September 2021 – 95% Design Review
- June 2022 – Phase 1 grant expired
- December 2022 – Phase 2 construction funding request. The Technical Committee recommended Phase 2 construction funding.
- January 2023 – Task Force approved Phase 2 funding.
- June 2023 –Phase 2 grant package and final NEPA concurrence submitted.
- June 2023 - MIPR signed
- September 2023 – Phase 2 grant awarded by NOAA to CPRA
- June 2024 – Notice to Proceed issued by CPRA for a partial elevation re-survey, only on Apache Louisiana Minerals, LLC

13. Current status/remaining issues: The project received Phase 2 funding authorization by the Task Force in January 2023. The project team agreed that the Marsh Creation Area’s will be resurveyed once the MIPR is received and Phase 2 grant is awarded. The partial resurvey is to reverify site conditions, designs, and volumes prior to proceeding to 100% design. The NTP for the partial elevation survey only on Apache Louisiana Minerals, LLC was issued in June, 2024. ConocoPhillips/Louisiana Land and Exploration denied right-of-entry requests for surveying. Likewise, their landrights approval for construction is pending and uncertain. .

14. Projected schedule and milestones: Once the survey data are available, site conditions, design, and volumes will be reverified. Receipt of the draft survey report is expected in July, 2024. Reassessment of the design by CPRA is conservatively estimated to be completed in three to six months from receipt of the final survey report. Given a previous approved change in scope, the sponsors prefer not to not rescope the project, but will assess the layout implications if landrights issues persist. Coordination with the CWPPRA agencies will occur if substantive issues arise.

15. Preparer: Patrick Williams, NOAA Fisheries; 225-329-9268; patrick.williams@noaa.gov
Jennifer Smith, NOAA Fisheries; 225-571-9030; jennifer.smith@noaa.gov

Initial draft June 24, 2024

**Status Review - Unconstructed CWPPRA Projects
July 2024**

1. Project Name (and number): West Fourchon Marsh Creation & Nourishment (TE-134)

2. SOUP Category: Critical Watch, Project Issue Delays

3. PPL: 24

4. Federal Agency: NMFS

5. Date of Construction Approval / Phase Two Approval: January 2020

6. Approved Total Budget: \$30,494,148

7. Fully Funded Estimate: \$30,494,148

8. Expenditures: \$2,422,259

9. Unexpended Funds: \$27,099,668

10. Estimate of anticipated funding increases, including O&M: N/A

11. Potential changes to project benefits: Project acreage decreased from 614 to 537 acres (12.5% decrease) because the single Phase 0 marsh creation area was split into two marsh creation areas to avoid two active natural gas pipelines that bisect the project area and also to optimize the dike construction of the marsh creation areas.

12. Brief chronology of project development and issues affecting implementation:

- 2015 – Phase 1 Approval
- July 2018 – 30% Design Meeting
- October 2018 – 95% Design Meeting
- December 2018 – competed for Phase II funding
- December 2019 – Phase II Approval by Technical Committee
- July 2020 – Greater Lafourche Port Commission (GLPC) approached the project team to consider using Belle Pass/Bayou Lafourche as a borrow source. This resulted in additional surveys and geotechnical data collection within the navigation channel in order to assess the borrow area. The GLPC offered to provide additional funding for the project if the inshore borrow area was used.
- 2020 – multiple hurricanes impacted the project area
- May 2021—consistency concurrence with both borrow areas submitted
- August 2021 – Hurricane Ida struck the project area, and additional surveys were required in the marsh creation areas to evaluate additional marsh loss and access corridors post-hurricane
- January 2022 – Department of the Army 10/404 permit application submitted with both borrow areas
- January-March 2022 – Post-Ida survey report completed
- April 2022 – consistency modification approved with GLPC as applicant
- May 2022 -- oyster appraisal complete
- November 2022 – draft alternative borrow area evaluation submitted by GLPC contractor to project team
- April 2023 - Department of the Army 10/404 permit received
- July 2023 – Alternative borrow area evaluation finalized
- October 2023 – Final Supplemental EA

- May 2024 – Kickoff for final design with GLPC contractor (GIS Engineering), GLPC, and project team (CPRA, NOAA)

13. Current status/remaining issues: Phase II funding approved by Task Force in January 2020. In July 2020, the GLPC approached the project team to consider using Belle Pass/Bayou Lafourche as a borrow source. Additional design-level data were collected and evaluated by the GLPC to consider this borrow source to confirm that the project goals can be met with this borrow source. Due to hurricane impacts, additional surveys of the marsh creation areas were completed. A Supplemental Environmental Assessment using the alternative borrow area was completed in October 2023. Land rights agreement with LL&E is anticipated in Q4 2024. Oyster lease secondary bio-assessment, re-appraisal, and acquisition is anticipated to be contracted/tasked once land rights agreements with LL&E are in final draft. The project team will come back to the CWPPRA community for a brief out prior to bidding the project.

14. Projected schedule and milestones: Final design package with alternative borrow area anticipated Q3 2024. Anticipated bid advertisement Q3 2025. Construction start estimated Q4 2025.

15. Preparer: Donna Rogers (NMFS); (225) 316-8958; donna.rogers@noaa.gov

Initial Draft June 24, 2024 (DRR)

Status Review - Unconstructed CWPPRA Projects
July 2023

- 1. Project Name (and number):** Fritchie Marsh Creation and Terracing (PO-173)
- 2. SOUP Category:** Critical Watch, Project Issue Delays
- 3. PPL:** 25
- 4. Federal Agency:** NMFS
- 5. Date of Construction Approval / Phase Two Approval:**
- 6. Approved Total Budget:** \$3,033,294
- 7. Fully Funded Estimate:** \$39,126,975
- 8. Expenditures:** \$423,921
- 9. Unexpended Funds:** \$2,609,373
- 10. Estimate of anticipated funding increases, including O&M:** Due to the location of the USACE final mitigation plan for the Plaquemines NOV/NFL levee overlapping with the Phase I alignment, there was a substantive change to the cost. The project will be relocated to the east side of the Fritchie Marsh as approved through a scope change in 2022.
- 11. Potential changes to project benefits:** The new project layout approved in 2022 reduced the acreage of marsh creation and nourishment from the Phase 0 configuration of 328 acres to 288 acres. The linear footage of terraces remains the same at 22,680 linear feet.
- 12. Brief chronology of project development and issues affecting implementation:**
 - January 2016 – Phase 1 Approval
 - January 26, 2017 – Interagency Support Agreement executed between NMFS and USACE for project engineering and design
 - April 10, 2017 – Kickoff meeting and site inspection
 - June 17, 2017 – Cooperative agreement for Phase 1 signed by CPRA and NMFS
 - November 8, 2017 - right of entry notification for surveying
 - Summer of 2018 – two meetings with adjacent land owners
 - September, 2018 – USACE completed review of St. Tammany Parishes’ H&H model report to assess intercepted drainage of developed areas and marsh and/or increase inundation of marshes
 - 2019 – notified by St. Tammany Parish that their Beneficial Use project on Section 16 property would not be proceeding
 - March 12, 2019 – concluded sturgeon pre-consultation with NMFS PRD and USFWS regarding selection of borrow alternatives in Lake Pontchartrain to finalize the surveying scopes of work

- Spring 2019 - revised surveying scopes of work
- May 8, 2019 – USACE signed the Tentatively Selected Plan memo choosing the CWPPRA project area for the Plaquemines New Orleans to Venice/Non-Federal (NOV/NFL) levee mitigation project
- Summer 2019 to present – NMFS suspended project delivery team meetings.
- Summer 2019 – NMFS completed and presented to the Project Delivery Team a new draft alternative on the Refuge and private lands on the east side of Fritchie Marsh
- Winter of 2019/2020 - USACE notified NMFS Las Conchas representative had changed and provided new point of contact information
- Spring 2020, NMFS initiated coordination with Las Conchas representative
- Winter 2020, NMFS met with Las Conchas representatives and held Project Delivery Team meetings
- Winter and Spring 2021, NMFS and CPRA revised project design based on the Las Conchas meeting
- Spring 2021, presented the new concept to Las Conchas for their approval
- December 2021, approved for scope change by CWPPRA Technical Committee
- January 2022, approved for scope change by CWPPRA Task Force
- Spring/Summer 2022, developing new Interagency Support Agreement between NMFS and USACE for project engineering and design
- Fall 2022 and Spring 2023, pursuing agreement with CPRA to assume E&D roll. Details are still being finalized
- August 2023, CPRA declines taking the lead E&D roll
- Winter 2023 to present, working with USACE to establish an agreement to retake the lead for E&D
- March 2024, Fritchie marsh stakeholder meeting with landowners, Refuge staff, CPRA, St. Tammany Parish, and NMFS

13. **Current status/remaining issues:** The NMFS is working closely with USACE and CPRA to develop an agreement where USACE reassumes E&D for Phase I.

14. **Projected schedule and milestones:** The NMFS will continue to work with stakeholders to ensure grant documents and agreements are in place to move the project forward.

15. **Preparer:** Brandon Howard; NOAA Fisheries; 601-890-1088; brandon.howard@noaa.gov

Initial draft June 24, 2023

**Status Review - Unconstructed CWPPRA Projects
July 1, 2024**

- 1. Project Name (and number):** Phoenix Marsh Creation – East Increment (BS-42)
- 2. SOUP Category:** Critical Watch, On Schedule
- 3. PPL:** 29
- 4. Federal Agency:** FWS
- 5. Date of Construction Approval / Phase Two Approval:** N/A
- 6. Approved Total Budget:** \$3,393,064
- 7. Fully-Funded Cost:** \$55,813,205
- 8. Expenditures:** \$1,190,699
- 9. Unexpended Funds:** \$2,202,365
- 10. Estimate of anticipated funding increases, including O&M:** Unknown.
- 11. Potential changes to project benefits:** None.
- 12. Brief chronology of project development and issues affecting implementation:**

January 2020	Phase I Approval
June 2022	30% Design Approval
October 2022	95% Design Approval
December 2022	Request for Change in Project Scope approved by Technical Committee
December 2022	Requested Phase II funding – Not Approved
December 2023	Requested Phase II funding – Not Approved

Issues affecting implementation: Increases in the cost of dredging the Mississippi River has called into question the future of river dredging projects in the CWPPRA program. The project will begin considering other borrow source alternatives in an attempt to make the project more cost-effective.

13. Current status/remaining issues:

The project does not plan to make a Phase II request in December 2024. Based on cost increases for river dredging (unit rates and mob/demob) and recent bid awards (\$15-\$16.50/CY for BA-217), the project team plans to consider interior borrow options to reduce costs and provide a more competitive project for a December 2025 request.

14. Projected schedule:

A Phase II request is anticipated in December 2025.

15. Preparer: Kristen Ramsey: (337) 291-3137; Kristen_Ramsey@fws.gov

**Status Review - Unconstructed CWPPRA Projects
July 5, 2024**

1. Project Name (and number): Bay Raccourci Marsh Creation Increment II (TE-166)

2. SOUP Category: Project Issue Delay, Critical Watch

3. PPL: 30

4. Federal Agency: FWS

5. Date of Construction Approval / Phase Two Approval: N/A

6. Approved Total Budget: \$2,962,500

7. Fully-Funded Cost: \$29,481,022

8. Expenditures: \$609,284

9. Unexpended Funds: \$2,353,216

10. Estimate of anticipated funding increases, including O&M: Unknown.

11. Potential changes to project benefits: None.

12. Brief chronology of project development and issues affecting implementation:

January 2020	Phase I Approval
March 2023	Completed Tribal Consultation
June 2023	30% Design Approval
October 2023	95% Design Approval

Issues affecting implementation: Currently the major land owner (ConocoPhillips/LLE) are unwilling to sign land right agreements.

13. Current status/remaining issues: Land Rights

14. Projected schedule:

15. Preparer: Robert Dubois, FWS (337-291-3127) Robert_Dubois@fws.gov

**Status Review - Unconstructed CWPPRA Projects
July 2024**

- 1. Project Name (and number):** Barataria Bay Rim Marsh Creation Project (BA-195)
- 2. SOUP Category:** Project Issues Delays and Critical Watch
- 3. PPL:** 25
- 4. Federal Agency:** NRCS
- 5. Date of Construction Approval / Phase Two Approval:** n/a
- 6. Approved Total Budget:** \$2,693,708
- 7. Fully Funded Cost Estimate:** \$30,294,291
- 8. Expenditures:** \$2,400,622
- 9. Unexpended Funds:** \$293,086
- 10. Estimate of anticipated funding increases, including O&M:** None at this time.
- 11. Potential changes to project benefits:** None at this time.
- 12. Brief chronology of project development and issues affecting implementation:**

2016 – 2019	CSA for Phase I completed. Design Surveys, Magnetometer Survey Report, and Geotechnical Investigation completed. 30% Design review meeting completed March 2019; 95% Design review meeting completed October 2019. Phase II funding request submitted.
2020	Repeat Phase II funding request submitted, but not approved.
2021	Repeat Phase II funding request submitted, but not approved.
2022	Repeat Phase II funding was not requested. Determined to not be consistent with 2017 SMP.
2023	Repeat Phase II funding was not requested.
- 13. Current status/remaining issues:** Project is currently awaiting Phase II funding. Placed in Critical Watch Category and Project Issues Delays due to requesting Phase 2 funding for 3 years and ongoing discussions regarding support. Title research shows the primary landowner within the project area is Louisiana Land & Exploration Company (LL&E) at approximately 50% ownership.
- 14. Projected schedule:** Project consistent with current SMP. Project on hold awaiting discussions regarding support and concurrence with path forward.
- 15. Preparer:** (6/15/20) (7/16/21) (7/5/22): Quin Kinler, NRCS; (6/21/23): Ron Boustany, NRCS (337) 291-3067, (8/3/2023): Angela Trahan, (6/27/2024) Angela Trahan, Jessica Diez.

**Status Review - Unconstructed CWPPRA Projects
July 2024**

- 1. Project Name:** Northeast Turtle Bay Marsh Creation and Critical Area Shoreline Protection Project (BA-206)
- 2. SOUP Category:** Critical Watch, Project Issue Delays
- 3. PPL:** 27
- 4. Federal Agency:** NRCS
- 5. Date of Construction Approval / Phase Two Approval:** January 27, 2022, Phase 2 approval.
- 6. Approved Total Budget:** \$37,524,056
- 7. Fully Funded Cost Estimate:** \$37,524,056
- 8. Expenditures:** \$3,508,744
- 9. Unexpended Funds:** \$32,785,522
- 10. Estimate of anticipated funding increase, including O&M:** No funding increases anticipated.
- 11. Potential changes to project benefits:** As a result of the post-Hurricane Ida survey, the project area has been reduced in acreage from 793 to 770 acres (23 acres, 3% reduction). While this is a potential change, we do not believe an updated WVA is necessary at this time.
- 12. Brief chronology of project development and issues affecting implementation:**

2018-2019	CSA executed. Contract awarded for Engineering Services (Geotech, Mag Surveys, Design).
2020	Data collection completed. Design initiated.
2021	30% and 95% Design Review Meetings completed in April and October 2021, respectively. Phase II funding request submitted November 2021.
2022	Phase II approved in January 2022. Full re-survey conducted due to impacts of Hurricane Ida. Permit completed. Landrights initiated.
2023	Design updated on January 19, 2023. Permit modification updated. Landrights has been initiated, however issues with Parish lawsuits have landrights on hold.
2024	On-hold - landrights
- 13. Current milestones/remaining issues:** Landrights on hold.
- 14. Projected schedule:** Depending on resolution of landrights issues, could be going to contracting by end of 2024.

15. Preparer: (7/5/22) Quin Kinler, NRCS; (6/20/23) Angela Trahan, NRCS, 337/291-3142

**Status Review - Unconstructed CWPPRA Projects
July 2024**

- 1. Project Name:** Northeast Turtle Bay Marsh Creation Extension Project (BA-258)
- 2. SOUP Category:** Critical Watch, Project issue delays
- 3. PPL:** 31
- 4. Federal Agency:** NRCS
- 5. Date of Construction Approval / Phase Two Approval:**
- 6. Approved Total Budget:** \$3,591,775
- 7. Fully Funded Cost Estimate:** \$37,207,763
- 8. Expenditures:** \$1,066,437
- 9. Unexpended Funds:** \$2,525,338
- 10. Estimate of anticipated funding increase, including O&M:** No funding increases anticipated.
- 11. Potential changes to project benefits:** None.
- 12. Brief chronology of project development and issues affecting implementation:**

2022-2023	Approved for Phase I Engineering & Design at the January 2022 Task Force meeting. Initial topographic, bathymetric, and magnetometer surveys have been completed.
2024	Geotechnical analysis is awaiting completion. Additional surveys delayed due to access permission from ConocoPhillips/LL&E (landowner) being denied.
- 13. Current milestones/remaining issues:** 30% Design Review anticipated for Spring 2025. 95% Design Review anticipated for Fall 2025. Landowner issues are anticipated to continue within the foreseeable future and may impact current milestones and Phase II request.
- 14. Projected schedule:** Anticipate Phase II request in December 2025.
- 15. Preparer:** (6/25/2024) Eric Whitney, NRCS, (337) 291-3069, and Angela Trahan, NRCS, (337) 291-3142

Projects On Schedule

Project Name	Project No.	Agency	PPL	Project Status & Critical Milestone(s)	Current Phase	Additional Category
Reggio Marsh Creation and Hydrologic Restoration	BS-43	EPA	30	Final design and preparation of the bid package is underway. The construction permit will be submitted in July 2024. Active engagement with the local community continues.	II	
Port Fourchon Marsh Creation	TE-171	EPA	31	Design is in progress. 30% Design Conference to be held on July 23, 2024. A scope change may be requested post 30% design review. The 95% Design Conference is planned for October 7, 2024. December 2024 – Request for Phase II funding	I	
New Orleans Landbridge Shoreline Stabilization and Marsh Creation	PO-169	FWS	24	Construction began in late 2021/early 2022. The project was approximately 90% complete. However, in April 2023, the contractor defaulted on the construction contract and left the project site. Coastal Dredging Company, Inc. was awarded the contract. Coastal mobed out to the project area late 2023 and dredging resumed in December 2023. Construction is nearing completion and is expected to conclude fall-2024	II	Project Issue Delay
St. Catherine Island Shoreline Protection and Marsh Creation	PO-179	FWS	26	Jan 2024 Phase II Funding Approved. Currently undergoing ESA consultation with NMFS on Atlantic sturgeon. Expected to advertise for bids late 2025.	II	
Mid Breton Land Bridge Marsh Creation and Terracing	BS-32	FWS	27	A request for project expansion was requested, granted, and awarded to contractor in February 2024. Remaining issues deals with the construction of MCA-5. The construction contract was awarded and accepted 5-2023. Construction started in September of 2023. An expansion of the project was awarded to contractor February 2024. Status of ECD: MCA1-100%, MCA2-90%, MCA3 70%, MCA40%. Pumping of material into MCA1 should begin in July 15, 2024.	II	
Sabine Marsh Creation Cycles 6 & 7	CS-81	FWS	27	95% Design Meeting scheduled October 2024 with Phase II request to follow	I	
Bayou Cane Marsh Creation	PO-181	FWS	27	Approved for Phase II Funding January 2023 with 635 acres MC and MN. Project being considered by USACE for use as mitigation for the River Reintroduction into Maurepas Swamp project. If selected for use as mitigation, CPRA would construct MC cells 1 and 3, for a total of 80 acres, or approximately 13% of the project footprint.	II	
Grand Bayou Ridge and Marsh Restoration - Increment 1	BA-217	FWS	28	Project was approved for Phase 2 funding in January 2023. Bid advertisement was in March 2024 and bids were opened on April 25, 2024. A construction contract was awarded to Weeks Marine, Inc. on June 7, 2024	II	Greater than \$50 M
Bay Raccourci Marsh Creation and Ridge Restoration	TE-156	FWS	29	Expected to request Phase II funding in 2024	I	
Phoenix Marsh Creation – East Increment	BS-42	FWS	29	The project does not plan to make a Phase II request in December 2024. Based on cost increases for river dredging (unit rates and mob/demob) and recent bid awards (\$15-\$16.50/CY for BA-217), the project team plans to consider interior borrow options to reduce costs and provide a more competitive project for a December 2025 request.	I	Project Issue Delay
Phoenix Marsh Creation – West Increment	BS-44	FWS	30	River borrow Project construction cannot move forward until after construction of BS-42 and borrow site infilling has occurred. Additionally, increases in the cost of dredging the Mississippi River has called into question the future of river dredging projects in the CWPPRA program. The project will begin considering other borrow source alternatives	I	Project Issue Delay
Grand Bayou Ridge and Marsh Restoration - Increment 2	BA-257	FWS	31	Project was approved for Phase 2 funding in January 2022. The proposed borrow site (i.e., Magnolia Anchorage) is being utilized by the BA-217 project, currently in construction. The borrow site lacks sufficient quantity to build both projects. Therefore, BA-257 will be delayed until the borrow site has sufficiently infilled. Lengthy title research and landrights acquisition.	I	Project Issue Delay
No Name Bayou Marsh Creation & Nourishment	CS-78	NMFS	24	Phase II funding approved by Task Force in January 2022. The bid package was complete in October 2023 and the bid opening was in December 2023. The notice to proceed for construction was issued in March 2024. Surveying for construction began in June 2024 and construction is expected to begin in July 2024. The contract time is 455 days.	II	
East Delacroix Marsh Creation and Terracing	BS-37	NMFS	28	February 2019 – Phase 1 Approval. January 2023 - Phase 2 Approval. State and federal permits issued. small portion of north MC cell moved to the southern cell to avoid unwilling landowner. The team is working on the final landowner agreement at the southern end of the project. This agreement will allow for the dredge pipe to be placed across the property and into the project footprint. Bid spring 2025	II	
Breton Landbridge Marsh Creation (West)	BS-38	NMFS	28	Scope change and approval needed. project team has obtained land rights agreements for all MCA parcels. The project team has also modified the USACE construction permit to include potential expansions areas, and the team has shifted acreages into other areas where we already have design data. Reevaluation of the BS-38 cost benefit analysis and determination of net acres would occur before going to bid advertisement. Advertisement anticipated December 2024, mobilization anticipated June 2025, and completion of construction anticipated September 2026	II	Project Issue Delay
North Delacroix Marsh Creation and Terracing	BS-41	NMFS	29	The project will continue E&D with the 95% Design Meeting scheduled for August 2024. The project will compete for Phase II funding in December 2024.	I	
LaBranche East Marsh Creation	PO-75	NRCS	19	Permits and landrights complete. PO-75 and PO-133 design combine complete (Combined as PO-75 in 2022/23). Awarded on 4/18/23. In construction	II	
South Grand Chenier Marsh Creation - Baker Tract	ME-32	NRCS	23	Landrights concern resolved. Design has resumed. 30% design held June 2023. Phase 2 Request submitted December 2023. Approved for Phase 2 in January 2024. Anticipate Bid Advertisement late 2024	II	

Status Review - Unconstructed CWPPRA Projects
July 2024

- 1. Project Name (and number):** Reggio Marsh Creation and Hydrologic Restoration (BS-0043)
- 2. SOUP Category:** On schedule
- 3. PPL:** 30
- 4. Federal Agency:** EPA
- 5. Date of Construction Approval / Phase Two Approval:** Received Phase II funding January 2024.
- 6. Approved Total Budget:** \$46,707,631 (\$3.64M Phase I)
- 7. Approved Total Fully Funded Cost:** \$46,707,631 Phase II
- 8. Expenditures:** \$2,813,496
- 9. Unexpended Funds:** \$42,788,147
- 10. Estimate of anticipated funding increases, including O&M:** NA
- 11. Potential changes to project benefits:** The Phase 0 project goals were to create and nourish approximately 484 acres of marsh east of the Reggio community and plug two canals to help counteract saltwater intrusion to the north and west of Reggio. Based upon modeling results, the plugs would not address the saltwater intrusion to the north and west and this project feature was removed. Slight adjustments were made to the project footprint to avoid induced flooding, facilitate drainage, and acquire landrights. A scope change due to cost was approved in November 2023 and the project name also modified as the canal closures were removed as project features. The revised 95% design footprint creates and nourishes 519 acres of marsh.
- 12. Brief chronology of project development and issues affecting implementation:**
 - a) January 2021 – Phase I approval
 - b) June 2023 – 30% Design Meeting completed
 - c) October 2023 – 95% Design Meeting completed
 - d) November 2023 – Scope change for costs and name change approved
 - e) January 2024 – Phase II Approval
- 13. Current status/remaining issues:** Final design and preparation of the bid package is underway. The construction permit will be submitted in July 2024. Active engagement with the local community continues.
- 14. Projected schedule and milestones:** Solicitation of construction bids is planned for 2025.
- 15. Preparer:** Patricia A. Taylor, P.E., Ph.D., EPA; 214-665-6403; taylor.patricia-a@epa.gov

July 2024

Status Review - Unconstructed CWPPRA Projects
July 2024

- 1. Project Name (and number):** Port Fourchon Marsh Creation (TE-0171)
- 2. SOUP Category:** On schedule
- 3. PPL:** 31
- 4. Federal Agency:** EPA
- 5. Date of Phase One Approval:** Received Phase I funding January 27, 2022.
- 6. Approved Total Budget:** \$3,484,176 Phase I
- 7. Estimated Total Fully Funded Cost:** \$37,075,992 without Port Fourchon Cost share
\$29.70M with Port Fourchon Cost share
- 8. Expenditures:** \$500,810
- 9. Unexpended Funds:** \$2,983,366
- 10. Estimate of anticipated funding increases, including O&M:** Scope increase anticipated based upon 30% construction cost estimate of \$60,177,576 (\$50,177,576 with Port Fourchon cost share)
- 11. Potential changes to project benefits:** The Phase 0 project goals were to create and nourish approximately 605 acres of marsh located west of Belle Pass and southwest of Port Fourchon. Slight adjustments were made to the Phase 0 project footprint during 30% design resulting in a 595-acre marsh creation area, of which approximately 507 acres of open water will be turned into marsh and 88 acres of existing marsh will be nourished with hydraulically dredged sediment. A scope change may be requested post 30% design review. The 95% design review meeting is tentatively scheduled for early October with a request for Phase II construction funding in December 2024.
- 12. Brief chronology of project development and issues affecting implementation:**
 - a) January 2022 – Phase I approval
 - b) July 2022 – Phase I grant submittal
 - c) September 2023 – IGA executed between CPRA and GLPC for design services
 - d) July 2024 – 30% Design Conference
 - e) October 2024 – 95% Design Conference
 - f) December 2024 – Request for Phase II funding
- 13. Current status/remaining issues:** Design is in progress. The engineer of record is finalizing 30% design documents in preparation for the 30% Design Conference to be held on July 23, 2024.
- 14. Projected schedule and milestones:**
 - a. The 30% Design Conference is scheduled for July 23, 2024.
 - b. The 95% Design Conference is planned for October 7, 2024.
 - c. Request Phase II funding December 2024.
 - d. Receive Phase II funding January 2025.
 - e. Solicitation of construction bids is planned for 2027.
- 15. Preparer:** Patricia A. Taylor, P.E., Ph.D., EPA; 214-665-6403; taylor.patricia-a@epa.gov

July 2024

**Status Review - Unconstructed CWPPRA Projects
July 2, 2024**

- 1. Project Name (and number):** New Orleans Landbridge Shoreline Stabilization and Marsh Creation (PO-169)
- 2. SOUP Category:** On Schedule, Project Issue Delays
- 3. PPL:** 24
- 4. Federal Agency:** FWS
- 5. Date of Construction Approval / Phase Two Approval:** 2/12/2019
- 6. Approved Total Budget:** \$25,446,124
- 7. Fully-Funded Cost:** \$25,446,124
- 8. Expenditures:** \$3,652,867
- 9. Unexpended Funds:** \$19,445,651
- 10. Estimate of anticipated funding increases, including O&M:** Unknown.
- 11. Potential changes to project benefits:** None
- 12. Brief chronology of project development and issues affecting implementation:**

January 2015	Phase I Approval
August 2016	30% Design Approval
October 2016	95% Design Approval
February 2019	Phase II Approval
May 2019	Section 404 Permit Received
July 2020	Consultation with NOAA Fisheries Complete
May 2021	Land Rights Completed
June 18, 2021	Bid Package Advertised
July 22, 2021	Bid Opening
November 5, 2021	Notice to Proceed
December 3, 2021	Construction Began
February 2023	Expansion of MCA2 Approved
April 2023	Dredge Contractor Defaulted
September 2023	Takeover Agreement Signed with Bonding Company
December 2023	Dredging Resumes

Issues affecting implementation: None

13. Current status/remaining issues:

Construction began in late 2021 to early 2022. However, in April 2023, the initial dredge contractor defaulted on the construction contract and left the project site. The CPRA legal team worked for several months to come to an agreement with the bonding company. The assurity, Philadelphia Insurance, asked for proposals from different completion contractors and Coastal Dredging Company, Inc. was awarded the contract. Coastal mobed out to the project area late 2023 and dredging resumed in December 2023. Construction is nearing completion and is expected to conclude mid-2024.

14. Projected schedule: Construction completion is expected in Fall-2024.

15. Preparer: Kristen Ramsey: (337) 291-3137; Kristen_Ramsey@fws.gov

**Status Review - Unconstructed CWPPRA Projects
July 2, 2024**

1. Project Name (and number): St. Catherine Island Shoreline Protection and Marsh Creation (PO-179)

2. SOUP Category: On Schedule

3. PPL: 26

4. Federal Agency: FWS

5. Date of Construction Approval / Phase Two Approval: January 25, 2024

6. Approved Total Budget: \$32,630,322

7. Fully-Funded Cost: \$32,630,322

8. Expenditures: \$2,073,671

9. Unexpended Funds: \$28,247,158

10. Estimate of anticipated funding increases, including O&M: Unknown.

11. Potential changes to project benefits: None.

12. Brief chronology of project development and issues affecting implementation:

January 2017 Phase I Approval
April 2018 Title Research Completed
February 2019 Borrow Area Sand Survey Results
August 2020 Final Geotech Report
July 2021 Supplemental Cultural Resources Survey
June 2022 30% Design Approval
October 2022 95% Design Approval
Dec 2023 Request Phase II Funding
Jan 2024 Phase II Funding Approved

Issues affecting implementation: None at this time.

13. Current status/remaining issues:

Currently undergoing ESA consultation with NMFS on Atlantic sturgeon.

14. Projected schedule:

Expected to advertise for bids late 2025.

15. Preparer: Kristen Ramsey: (337) 291-3137; Kristen_Ramsey@fws.gov

**Status Review - Unconstructed CWPPRA Projects
July 12, 2024**

- 1. Project Name (and number):** Mid Breton Land Bridge Marsh Creation and Terracing (BS-32)
- 2. SOUP Category:** On Schedule, Under Construction
- 3. PPL:** 26
- 4. Federal Agency:** FWS
- 5. Date of Construction Approval / Phase Two Approval:** January 22, 2021
- 6. Approved Total Budget:** \$37,358,961
- 7. Fully-Funded Cost:** \$37,358,961
- 8. Expenditures:** \$4,534,474
- 9. Unexpended Funds:** \$31,265,895
- 10. Estimate of anticipated funding increases, including O&M:** Unknown.
- 11. Potential changes to project benefits:** Could incorporate MCA-5 back into the project.
- 12. Brief chronology of project development and issues affecting implementation:**

January 2017 Phase I Approval
August 2020 Final Geotech Report
June 2022 30% Design Approval
October 2022 95% Design Approval
Dec 2022 Request Phase II Funding – Not Approved
May 2023 Scope Change Request
May 2023 Awarded Construction Contract
February 2024 Received/Awarded Project Expansion

Issues affecting implementation: None at this time.

13. Current status/remaining issues:

A request for project expansion was requested, granted, and awarded to contractor in February 2024. Remaining issues deals with the construction of MCA-5.

14. Projected schedule:

The construction contract was awarded and accepted 5-2023. Construction started in September of 2023. An expansion of the project was awarded to contractor February 2024. Status of ECD:

MCA1-100%, MCA2-90%, MCA3 70%, MCA40%. Pumping of material into MCA1 should begin in July 15, 2024.

15. Preparer: Robert Dubois: (337) 291-312 robert_dubois@fws.gov

**Status Review - Unconstructed CWPPRA Projects
June 27, 2024**

1. Project Name (and number): Sabine Marsh Creation Cycles 6&7 (CS-81)

2. SOUP Category: On Schedule

3. PPL: 27

4. Federal Agency: FWS

5. Date of Construction Approval / Phase Two Approval: N/A

6. Approved Total Budget: \$3,824,731

7. Fully-Funded Cost: \$27,914,651

8. Expenditures: \$1,170,621

9. Unexpended Funds: \$2,654,110

10. Estimate of anticipated funding increases, including O&M: Unknown.

11. Potential changes to project benefits: None.

12. Brief chronology of project development and issues affecting implementation:

February 2018	Phase I Approval
May 2019	Interagency Support Agreement Signed
July 2021	30% Design Approval

Issues affecting implementation: None at this time

13. Current status/remaining issues: On Schedule

95% Design Presentation anticipated for October 2024 with Phase II funding request following in January 2025.

14. Projected schedule:

February 2018	Received Phase I Funding
July 2021	30% Design Meeting
April 2022	Geotech/Survey Complete
October 2024	95% Design Meeting

15. Preparer: John Savell, FWS (337-291-3144) John_Savell@fws.gov

**Status Review - Unconstructed CWPPRA Projects
June 27, 2024**

- 1. Project Name (and number):** Bayou Cane Marsh Creation (PO-181)
- 2. SOUP Category:** On Schedule
- 3. PPL:** 27
- 4. Federal Agency:** FWS
- 5. Date of Construction Approval / Phase Two Approval:** January 26, 2023
- 6. Approved Total Budget:** \$41,313,754
- 7. Fully-Funded Cost:** \$41,313,754
- 8. Expenditures:** \$2,859,070
- 9. Unexpended Funds:** \$37,029,293
- 10. Estimate of anticipated funding increases, including O&M:** Unknown.
- 11. Potential changes to project benefits:** The project is being considered by USACE for use as mitigation for the River Reintroduction into Maurepas Swamp project. The project as approved for Phase 2 proposes 635 acres of marsh creation and nourishment. If selected for use as mitigation, CPRA would construct marsh creation cells 1 and 3, for a total of 80 acres, or approximately 13% of the project footprint.

12. Brief chronology of project development and issues affecting implementation:

February 2018 Phase I Approval
March 2021 Borrow Area Sand Survey Results for Alternate Borrow Area
August 2021 Final Geotech Report
September 2021 Cultural Resources Survey Completed
February 2022 30% Design Approval
August 2022 95% Design Approval
Dec 2022 Request Phase II Funding
Jan 2023 Phase II Funding Approved
May 2024 Consultation with NOAA Fisheries Complete
June 2024 Section 404 Permit Received

Issues affecting implementation: None at this time.

13. Current status/remaining issues:

ESA consultation with NMFS on Atlantic sturgeon have been completed. The project is ready to go to bid but is currently being assessed by CPRA and USACE for potential use as mitigation for the River Reintroduction into Maurepas Swamp project. The project team has submitted to the Corps the current plan set and the narrative of USACE reviews and approvals of the project for construction under the CWPPPRA program. If selected for use as mitigation, there will be changes in the anticipated construction start date.

14. Projected schedule:

Expected to advertise for bids mid-2025.

15. Preparer: Kristen Ramsey: (337) 291-3137; Kristen_Ramsey@fws.gov

**Status Review - Unconstructed CWPPRA Projects
July 3, 2024**

1. Project Name (and number): Grand Bayou Ridge and Marsh Restoration - Increment I (BA-217)

2. SOUP Category: On Schedule

3. PPL: 28

4. Federal Agency: FWS

5. Date of Construction Approval / Phase Two Approval: January 2023

6. Approved Total Budget: \$52,329,077

7. Fully-Funded Cost: \$52,329,077

8. Expenditures: \$2,108,174

9. Unexpended Funds: \$49,066,257

10. Estimate of anticipated funding increases, including O&M: Unknown.

11. Potential changes to project benefits: None.

12. Brief chronology of project development and issues affecting implementation:

Project was approved for Phase 2 funding in January 2023. Bid advertisement was in March 2024 and bids were opened on April 25, 2024. A construction contract was awarded to Weeks Marine, Inc. on June 7, 2024.

Issues affecting implementation: None at this time.

13. Current status/remaining issues:

Awaiting a Notice To Proceed date for Weeks Marine to begin construction.

14. Projected schedule:

Construction is expected to begin in August 2024.

15. Preparer: Kevin Roy: (337) 291-3120; Kevin_Roy@fws.gov

**Status Review - Unconstructed CWPPRA Projects
July 12, 2024**

1. Project Name (and number): Bay Raccourci Marsh Creation and Ridge Restoration (TE-156)

2. SOUP Category: On Schedule

3. PPL: 29

4. Federal Agency: FWS

5. Date of Construction Approval / Phase Two Approval: N/A

6. Approved Total Budget: \$3,447,902

7. Fully-Funded Cost: \$39,837,121

8. Expenditures: \$2,030,182

9. Unexpended Funds: \$1,417,720

10. Estimate of anticipated funding increases, including O&M: Unknown.

11. Potential changes to project benefits: None.

12. Brief chronology of project development and issues affecting implementation:

January 2020	Phase I Approval
March 2023	Completed Tribal Consultation
June 2023	30% Design Approval
October 2023	95% Design Approval
January 2023	Requested Phase II Approval

Issues affecting implementation: None

13. Current status/remaining issues: Project on Schedule/None

14. Projected schedule:

Expected to request Phase II funding in 2024.

15. Preparer: Robert Dubois, FWS (337-291-3127) Robert_Dubois@fws.gov

**Status Review - Unconstructed CWPPRA Projects
July 1, 2024**

- 1. Project Name (and number):** Phoenix Marsh Creation – East Increment (BS-42)
- 2. SOUP Category:** Critical Watch, On Schedule
- 3. PPL:** 29
- 4. Federal Agency:** FWS
- 5. Date of Construction Approval / Phase Two Approval:** N/A
- 6. Approved Total Budget:** \$3,393,064
- 7. Fully-Funded Cost:** \$55,813,205
- 8. Expenditures:** \$1,190,699
- 9. Unexpended Funds:** \$2,202,365
- 10. Estimate of anticipated funding increases, including O&M:** Unknown.
- 11. Potential changes to project benefits:** None.
- 12. Brief chronology of project development and issues affecting implementation:**

January 2020	Phase I Approval
June 2022	30% Design Approval
October 2022	95% Design Approval
December 2022	Request for Change in Project Scope approved by Technical Committee
December 2022	Requested Phase II funding – Not Approved
December 2023	Requested Phase II funding – Not Approved

Issues affecting implementation: Increases in the cost of dredging the Mississippi River has called into question the future of river dredging projects in the CWPPRA program. The project will begin considering other borrow source alternatives in an attempt to make the project more cost-effective.

13. Current status/remaining issues:

The project does not plan to make a Phase II request in December 2024. Based on cost increases for river dredging (unit rates and mob/demob) and recent bid awards (\$15-\$16.50/CY for BA-217), the project team plans to consider interior borrow options to reduce costs and provide a more competitive project for a December 2025 request.

14. Projected schedule:

A Phase II request is anticipated in December 2025.

15. Preparer: Kristen Ramsey: (337) 291-3137; Kristen_Ramsey@fws.gov

**Status Review - Unconstructed CWPPRA Projects
July 1, 2024**

- 1. Project Name (and number):** Phoenix Marsh Creation – West Increment (BS-44)
- 2. SOUP Category:** On Schedule, Project Issue Delays
- 3. PPL:** 30
- 4. Federal Agency:** FWS
- 5. Date of Construction Approval / Phase Two Approval:** N/A
- 6. Approved Total Budget:** \$1,052,017
- 7. Fully-Funded Cost:** \$43,545,418
- 8. Expenditures:** \$107,629
- 9. Unexpended Funds:** \$944,388
- 10. Estimate of anticipated funding increases, including O&M:** Unknown.
- 11. Potential changes to project benefits:** None.

12. Brief chronology of project development and issues affecting implementation:

January 2021	Phase I Approval
June 2022	30% Design Approval
October 2022	95% Design Approval
December 2022	Request for Change in Project Scope approved by Technical Committee

Design of the project was completed in 2022 however no Phase II Requests have been made to date. This project as proposed at the October 2022 95% Design Review meeting would utilize the same borrow site as the BS-42 Phoenix Marsh Creation-East Increment Project. The borrow only contains enough material for one project. The project has remained on-hold until the BS-42 project could complete construction.

However, based on cost increases for river dredging (unit rates and mob/demob) and recent bid awards (\$15-\$16.50/CY for BA-217), the project team plans to consider interior borrow options to reduce costs and provide a more competitive project for a December 2025 request.

Issues affecting implementation: Project construction cannot move forward until after construction of BS-42 and borrow site infilling has occurred. Additionally, increases in the cost of dredging the Mississippi River has called into question the future of river dredging projects in the CWPPRA program. The project will begin considering other borrow source alternatives.

13. Current status/remaining issues:

The project will explore the option to shift to an interior borrow site. Any pivot to an interior borrow site obviously comes with additional E&D expenditures.

14. Projected schedule:

Request Phase 2 funding upon completion of the BS-42 project.

15. Preparer: Kristen Ramsey: (337) 291-3137; Kristen_Ramsey@fws.gov

**Status Review - Unconstructed CWPPRA Projects
July 3, 2024**

1. Project Name (and number): Grand Bayou Ridge and Marsh Restoration - Increment 2 (BA-257)

2. SOUP Category: On Schedule, Project Issue Delays

3. PPL: 31

4. Federal Agency: FWS

5. Date of Construction Approval / Phase Two Approval:

6. Approved Total Budget: \$3,411,317

7. Fully-Funded Cost: \$42,657,227

8. Expenditures: \$167,205

9. Unexpended Funds: \$3,244,112

10. Estimate of anticipated funding increases, including O&M: Unknown.

11. Potential changes to project benefits: Due to increased costs, the project footprint will be reduced.

12. Brief chronology of project development and issues affecting implementation:

- Project was approved for Phase 1 funding in January 2022.
- EMC Surveying and Mapping, Inc. has completed surveys and submitted final deliverables.
- Eustis Engineering, LLC has completed geotechnical investigations and submitted their final report.
- Principal Engineering, Inc. has completed cultural resource surveys and submitted a draft report.
- 30% design package provided to project team for review in February 2024.
- Draft cultural resources report was submitted to the SHPO and Native American Tribes in May 2024.
- SHPO concurrence received on June 26, 2024 that the project will have no impact on historical properties.
- Native American Tribes submitted no comments on the draft cultural resources report.
- Draft oyster lease assessment provided for review on June 18, 2024. No oyster resources in the impact area.

- Preliminary landrights investigation is complete. Due to the number of tracts and number of “et. al.” ownerships, a significant Phase 2 landrights effort is anticipated. Estimated cost is \$800,000 to conduct title research and secure final landrights agreements.

Issues affecting implementation: Sediment availability in the borrow area. Lengthy title research and landrights acquisition.

13. Current status/remaining issues:

Draft 30% design package is undergoing internal CPRA review.

The proposed borrow site (i.e., Magnolia Anchorage) is being utilized by the BA-217 project, currently in construction. The borrow site lacks sufficient quantity to build both projects. Therefore, BA-257 will be delayed until the borrow site has sufficiently infilled.

14. Projected schedule:

September 2024 – 30% design review meeting

December 2024 – Scope change request due to increased cost and reduction in benefits

February 2025 – 95% design review meeting

December 2025 – Phase 2 request

15. Preparer: Kevin Roy: (337) 291-3120; Kevin_Roy@fws.gov

**Status Review - Unconstructed CWPPRA Projects
July 2024**

- 1. Project Name (and number):** No Name Marsh Creation (CS-78)
- 2. SOUP Category:** On Schedule
- 3. PPL:** 24
- 4. Federal Agency:** NMFS
- 5. Date of Construction Approval / Phase Two Approval:** January 27, 2022
- 6. Approved Total Budget:** \$31,215,916
- 7. Fully Funded Estimate:** \$31,215,916
- 8. Expenditures:** \$2,558,932
- 9. Unexpended Funds:** \$27,188,413
- 10. Estimate of anticipated funding increases, including O&M:** N/A
- 11. Potential changes to project benefits:** N/A
- 12. Brief chronology of project development and issues affecting implementation:**
 - 2015 – Phase 1 Approval
 - September 2015 – began investigating proposed marsh creation area; surveying and geotechnical investigations in marsh creation area subsequently completed
 - September 2015 - February 2018 – evaluated CDF M, nearshore, and Cameron Loop around Monkey Island as a potential borrow sources, determined not suitable
 - February 2018 - April 2020– evaluated Calcasieu Lake borrow area
 - April 2019 – Oyster survey in Calcasieu Lake for LDWF
 - July 2020 - 30% design review meeting held
 - October 2020 - 95% design review meeting held
 - December 2020 – competed for Phase II funding; project was not selected
 - December 2021 – competed for Phase II funding; Phase II Approval by Technical Committee
 - February 2022 – Consistency determination request submitted
 - May 2022 – Land rights completed; Department of the Army Section 10/404 permit application submitted
 - June 2022 – Oyster survey in Calcasieu Lake borrow area updated for LDWF
 - July 2022 – Received consistency concurrence; LDWF concurred with oyster survey
 - December 2022 - Department of the Army Section 10/404 permit received
 - October 2023 – Task force approves scope change for the project.
 - October 2023 – Bid package complete; Invitation for bid
 - November 2023 – Pre-bid conference
 - December 2023 – Bid opening; Construction contract awarded
 - March 2024 – Pre-construction conference; Notice to proceed
- 13. Current status/remaining issues:** Phase II funding approved by Task Force in January 2022. The bid package was complete in October 2023 and the bid opening was in December 2023. The notice to proceed for construction was issued in March 2024.

14. Projected schedule and milestones: Surveying for construction began in June 2024 and construction is expected to begin in July 2024. The contract time is 455 days.

15. Preparer: Donna Rogers (NMFS); (225)316-8958; donna.rogers@noaa.gov

Initial Draft June 24, 2024 (DRR)

Status Review - Unconstructed CWPPRA Projects
July 2024

- 1. Project Name (and number):** East Delacroix Marsh Creation and Terracing (BS-37)
- 2. SOUP Category:** On schedule
- 3. PPL:** 28
- 4. Federal Agency:** NMFS
- 5. Date of Construction Approval / Phase Two Approval:** January 26, 2023
- 6. Approved Total Budget:** \$44,392,979
- 7. Fully Funded Estimate:** \$44,392,980
- 8. Expenditures:** \$2,023,190
- 9. Unexpended Funds:** \$39,253,668
- 10. Estimate of anticipated funding increases, including O&M:** NA
- 11. Potential changes to project benefits:** The Phase 0 project goal was to create and nourish 406 acres of marsh and construct 12,950 linear feet of terraces. Adjustments were made to the project avoiding deeper areas that may affect stability of the containment dikes, oil and gas infrastructure, and an unwilling landowner. The new configuration will create and nourish 412 acres of marsh and construct 19,360 linear feet of terraces.
- 12. Brief chronology of project development and issues affecting implementation:**
 - February 2019 – Phase 1 Approval
 - January 2023 - Phase 2 Approval
 - State and federal permits issued
 - A small portion of the northern marsh creation cell was moved to the southern cell to avoid unwilling landowner.

 - **Current status/remaining issues:** The team is working on the final landowner agreement at the southern end of the project. This agreement will allow for the dredge pipe to be placed across the property and into the project footprint.

 - **Projected schedule and milestones:** The project will continue to 100% design with the project going to bid in spring 2025.
- 13. Preparer:** Brandon Howard, NOAA Fisheries; 601-890-1088; brandon.howard@noaa.gov

Initial draft June 24, 2024

Status Review - Unconstructed CWPPRA Projects

July 2024

1. **Project Name (and number):** Breton Landbridge Marsh Creation (West) Project (BS-38)
2. **SOUP Category:** On schedule
3. **PPL:** 28
4. **Federal Agency:** NMFS
5. **Date of Construction Approval / Phase Two Approval:** January 27, 2022.
6. **Approved Total Budget:** \$31,777,082
7. **Fully Funded Estimate:** \$31,777,082
8. **Expenditures:** \$2,242,949
9. **Unexpended Funds:** \$28,054,336
10. **Estimate of anticipated funding increases, including O&M:** N/A
11. **Potential changes to project benefits:** To be determined once MCA alignments are finalized and the project's cost benefit analysis has been reevaluated.
12. **Brief chronology of project development and issues affecting implementation:**
 - February 2019 – Phase 1 Approval
 - January 2022 – Phase 2 Approval
 - June 2022 – CPRA Industry Day comments resulted in the team removing the floating dredge pipe as a project construction component. An alternative analysis for three lake dike alignments was conducted by the project team; focusing on shoreline retreat rates in the project area over five year increments and also with a 2025 projected shoreline. Adjustments were made to MCAs 1, 2, and 4.
 - October 2022 – Phase 2 Cooperative Agreement executed
 - January 2023 – Construction permit approved USACE (MVN-2022-00632-EBB)
 - June 2023 –NFWF funding \$7M to specifically construct BS-38's western most authorized MCA along Orange Bayou.
 - Calendar Year 2024 – Bid document development
13. **Current status/remaining issues:** The project team has obtained land rights agreements for all MCA parcels. The project team has also modified the USACE construction permit to include potential expansions areas, and the team has shifted acreages into other areas where we already have design data. Reevaluation of the BS-38 cost benefit analysis and determination of net acres would occur before going to bid advertisement.
14. **Projected schedule and milestones:** (indicate any project milestones here)
Advertisement anticipated December 2024, mobilization anticipated June 2025, and completion of construction anticipated September 2026.
15. **Preparer:** [January Murray, NOAA Fisheries, january.murray@noaa.gov](mailto:january.murray@noaa.gov)

Document Draft Date: 06-24-2024

Status Review - Unconstructed CWPPRA Projects
July 2024

- 1. Project Name (and number):** North Delacroix Marsh Creation and Terracing (BS-41)
- 2. SOUP Category:** On schedule
- 3. PPL:** 29
- 4. Federal Agency:** NMFS
- 5. Date of Construction Approval / Phase Two Approval:** Scheduled to compete for funding in December 2024.
- 6. Approved Total Budget:** \$3,714,166
- 7. Fully Funded Estimate:** \$45,241,802
- 8. Expenditures:** \$1,302,671
- 9. Unexpended Funds:** \$2,411,495
- 10. Estimate of anticipated funding increases, including O&M:** The original fully funded cost estimate was \$35,521,865. The new fully funded cost estimate is \$45,241,802 (+27%).
- 11. Potential changes to project benefits:** The Phase 0 project goal was to create and nourish 389 acres of marsh and construct 8,548 linear feet of terraces. Adjustments were made to the project avoiding deeper areas that may affect stability of the containment dikes. The new configuration will create and nourish 378 acres of marsh and construct 7,250 linear feet of terraces. A change in scope was approved for the project at the 2024 Spring Technical Committee and Task Force meetings. The change in scope was necessary due to cost increases related to inflation.
- 12. Brief chronology of project development and issues affecting implementation:**
 - a. January 2020 – Phase 1 Approval
 - b. June 2023 – 30% Design Meeting complete
 - c. April – May 2024 Change in Scope approval
- 13. Current status/remaining issues:** The project team developed design features and a layout to optimize this design and future construction efforts in coordination with other nearby CWPPRA project sponsors and stakeholders. The project team will conduct the 95% design meeting in August 2024.
- 14. Projected schedule and milestones:** The project will continue E&D with the 95% Design Meeting scheduled for August 2024. The project will compete for Phase II funding in December 2024.
- 15. Preparer:** Brandon Howard, NOAA Fisheries; 601-890-1088; brandon.howard@noaa.gov

**Status Review - Unconstructed CWPPRA Projects
July 2024**

- 1. Project Name (and number):** LaBranche East Project (PO-75)
- 2. SOUP Category:** On Schedule
- 3. PPL:** 19
- 4. Federal Agency:** NRCS
- 5. Date of Construction Approval / Phase Two Approval:** January 2020
- 6. Approved Total Budget:** \$55,340,891
- 7. Fully Funded Cost Estimate:** \$59,226,279
- 8. Expenditures:** \$13,375,919
- 9. Unexpended Funds:** \$40,931,938
- 10. Estimate of anticipated funding increases, including O&M:** Scope change with 34% cost increase was approved in 2018.
- 11. Potential changes to project benefits:** Scope change with 10% cost decrease in net acres was approved in 2018.
- 12. Brief chronology of project development and issues affecting implementation:**

2010	Approved (Phase I)
2010 – 2011	Planning and Design began in August 2010 after CSA signed. Geotechnical Investigation of Marsh Creation Areas completed in January 2011. Results indicated areas with high organic content resulting in decision to analyze various methods of containment and dredge material placement to verify the proposed design.
2012	A pilot study was developed to analyze design alternatives. Permit or pilot study was drafted and submitted.
2013	USACE issued permit for pilot study. Work began on June 1, 2013.
2014	Pilot Study completed in April 2014. Project Team will monitor results through August 2014 and develop report with findings and recommend preferred alternative for design.
2015-2016	Continued observation and re-survey of pilot project settlement.
2017	Geotechnical re-evaluation based on results of pilot study yielded determination that project is constructible. Project Team is actively pursuing design.
2018	30% Design and 95% Design completed. Phase II funding request was submitted, but project was not selected.
2019	Cost estimate updated. Project re-submitted for Phase II request. Consideration is being given to combining this project with PO-133.

2020	Phase II request approved. CSA amendment and Construction MIPR complete. Landrights assignment and certification, COE permit, and final design / contracting package are nearing completion.
2021	Phase II of PO-133 was approved and added to PO-75 Phase II. PO-75 permit issued. PO-133 permit in progress. PO-75 and PO-133 Landrights ongoing. PO-75 Contracting package being modified to incorporate construction of PO-133 portion. Approved to be combined at the January TF meeting Agenda Item 15.
2022	Permits and landrights complete. PO-75 and PO-133 design combine complete. Expected to go out for bid in September 2022.
2023	Combined as PO-75. Contract awarded.
2024	In construction.

13. Current status/remaining issues: No issues at this time.

14. Projected schedule: Contract awarded on 4/18/2023.

15. Preparer: Updated (6/18/14): John Jurgensen, NRCS (318) 473-7694
Updated (6/19/15): John Jurgensen, NRCS (318) 473-7694
Updated (6/15/16); (6/9/17); (7/27/18); (6/6/19); (6/10/20); (7/16/21); (7/5/22):
Quin Kinler, NRCS (225) 271-2403. (6/20/23) (6/25/24): Angela Trahan (337)
291 - 3142

**Status Review - Unconstructed CWPPRA Projects
July 2024**

- 1. Project Name:** South Grand Chenier Marsh Creation - Baker Tract (ME-32)
- 2. SOUP Category:** On schedule.
- 3. PPL:** 23
- 4. Federal Agency:** NRCS
- 5. Date of Construction Approval / Phase Two Approval:**
- 6. Approved Total Budget:** \$34,835,824
- 7. Fully Funded Cost Estimate:** \$34,835,824
- 8. Expenditures:** \$1,515,963
- 9. Unexpended Funds:** \$32,016,565
- 10. Estimate of anticipated funding increase, including O&M:** No funding increases anticipated.
- 11. Potential changes to project benefits:** None.
- 12. Brief chronology of project development and issues affecting implementation:**

2014 - 2017	Topographic and Magnetometer surveys completed.
2018 - 2020	Project is on hold pending landrights.
2021	Some positive movement with landrights, but CPRA and NRCS are awaiting outcome of ME-20 bid process before deciding how to proceed with ME-32.
2022	Landrights concern resolved. Design has resumed. Geotech and Mag Survey scheduled to begin in Aug 2022.
2023	30% Design meeting held on June 12, 2023, and 95% Design Review held October 2023. Phase 2 Request submitted December 2023.
2024	Approved for Phase 2 in January 2024.
- 13. Current milestones/remaining issues:** Contract Documents being prepared. No issues.
- 14. Projected schedule:** Anticipate Bid Advertisement late 2024.
- 15. Preparers:** Updated (6/6/19) (6/10/20) (6/21/20) (7/16/21) (7/5/22): Quin Kinler, NRCS; (6/21/23) by Ron Boustany, NRCS (337) 291-3067; (6/18/24) Angela Trahan

Projects Waiting on Phase II Funding

Project Name	Project No.	Agency	PPL	Near-term Milestones	# of Phase II Requests	Additional Category
Phoenix Marsh Creation – East Increment	BS-42	FWS	29	RIVER BORROW. Team not planning to make a Phase II request in December 2024. Based on cost increases for river dredging (unit rates and mob/demob) and recent bid awards (\$15-\$16.50/CY for BA-217), the project team plans to consider interior borrow options to reduce costs and provide a more competitive project for a December 2025 request.	2	On Schedule
Bay Raccourci Marsh Creation and Ridge Restoration	TE-156	FWS	29	Expected to request Phase II funding in 2024	1	On Schedule
Barataria Bay Rim Marsh Creation	BA-195	NRCS	25	LL&E, AGE. Design is complete. Phase II Request on hold based on Project on support and concurrence with path forward. Coastal Master Plan Consistency was determined. Ph II funding requested twice	2	Critical Watch

**Status Review - Unconstructed CWPPRA Projects
July 1, 2024**

- 1. Project Name (and number):** Phoenix Marsh Creation – East Increment (BS-42)
- 2. SOUP Category:** Critical Watch, On Schedule
- 3. PPL:** 29
- 4. Federal Agency:** FWS
- 5. Date of Construction Approval / Phase Two Approval:** N/A
- 6. Approved Total Budget:** \$3,393,064
- 7. Fully-Funded Cost:** \$55,813,205
- 8. Expenditures:** \$1,190,699
- 9. Unexpended Funds:** \$2,202,365
- 10. Estimate of anticipated funding increases, including O&M:** Unknown.
- 11. Potential changes to project benefits:** None.
- 12. Brief chronology of project development and issues affecting implementation:**

January 2020	Phase I Approval
June 2022	30% Design Approval
October 2022	95% Design Approval
December 2022	Request for Change in Project Scope approved by Technical Committee
December 2022	Requested Phase II funding – Not Approved
December 2023	Requested Phase II funding – Not Approved

Issues affecting implementation: Increases in the cost of dredging the Mississippi River has called into question the future of river dredging projects in the CWPPRA program. The project will begin considering other borrow source alternatives in an attempt to make the project more cost-effective.

13. Current status/remaining issues:

The project does not plan to make a Phase II request in December 2024. Based on cost increases for river dredging (unit rates and mob/demob) and recent bid awards (\$15-\$16.50/CY for BA-217), the project team plans to consider interior borrow options to reduce costs and provide a more competitive project for a December 2025 request.

14. Projected schedule:

A Phase II request is anticipated in December 2025.

15. Preparer: Kristen Ramsey: (337) 291-3137; Kristen_Ramsey@fws.gov

**Status Review - Unconstructed CWPPRA Projects
July 12, 2024**

1. Project Name (and number): Bay Raccourci Marsh Creation and Ridge Restoration (TE-156)

2. SOUP Category: On Schedule

3. PPL: 29

4. Federal Agency: FWS

5. Date of Construction Approval / Phase Two Approval: N/A

6. Approved Total Budget: \$3,447,902

7. Fully-Funded Cost: \$39,837,121

8. Expenditures: \$2,030,182

9. Unexpended Funds: \$1,417,720

10. Estimate of anticipated funding increases, including O&M: Unknown.

11. Potential changes to project benefits: None.

12. Brief chronology of project development and issues affecting implementation:

January 2020	Phase I Approval
March 2023	Completed Tribal Consultation
June 2023	30% Design Approval
October 2023	95% Design Approval
January 2023	Requested Phase II Approval

Issues affecting implementation: None

13. Current status/remaining issues: Project on Schedule/None

14. Projected schedule:

Expected to request Phase II funding in 2024.

15. Preparer: Robert Dubois, FWS (337-291-3127) Robert_Dubois@fws.gov

**Status Review - Unconstructed CWPPRA Projects
July 2024**

1. **Project Name (and number):** Barataria Bay Rim Marsh Creation Project (BA-195)
2. **SOUP Category:** Project Issues Delays and Critical Watch
3. **PPL:** 25
4. **Federal Agency:** NRCS
5. **Date of Construction Approval / Phase Two Approval:** n/a
6. **Approved Total Budget:** \$2,693,708
7. **Fully Funded Cost Estimate:** \$30,294,291
8. **Expenditures:** \$2,400,622
9. **Unexpended Funds:** \$293,086
10. **Estimate of anticipated funding increases, including O&M:** None at this time.
11. **Potential changes to project benefits:** None at this time.
12. **Brief chronology of project development and issues affecting implementation:**

2016 – 2019	CSA for Phase I completed. Design Surveys, Magnetometer Survey Report, and Geotechnical Investigation completed. 30% Design review meeting completed March 2019; 95% Design review meeting completed October 2019. Phase II funding request submitted.
2020	Repeat Phase II funding request submitted, but not approved.
2021	Repeat Phase II funding request submitted, but not approved.
2022	Repeat Phase II funding was not requested. Determined to not be consistent with 2017 SMP.
2023	Repeat Phase II funding was not requested.
13. **Current status/remaining issues:** Project is currently awaiting Phase II funding. Placed in Critical Watch Category and Project Issues Delays due to requesting Phase 2 funding for 3 years and ongoing discussions regarding support. Title research shows the primary landowner within the project area is Louisiana Land & Exploration Company (LL&E) at approximately 50% ownership.
14. **Projected schedule:** Project consistent with current SMP. Project on hold awaiting discussions regarding support and concurrence with path forward.
15. **Preparer:** (6/15/20) (7/16/21) (7/5/22): Quin Kinler, NRCS; (6/21/23): Ron Boustany, NRCS (337) 291-3067, (8/3/2023): Angela Trahan, (6/27/2024) Angela Trahan, Jessica Diez.

Projects Delayed by Project Delivery Team Issues

Project Name	Project No.	Agency	PPL	Project Status & Critical Milestone(s)	Current Phase	Additional Category
New Orleans Landbridge Shoreline Stabilization and Marsh Creation	PO-169	FWS	24	Construction began in late 2021/early 2022. The project was approximately 90% complete. However, in April 2023, the contractor defaulted on the construction contract and left the project site. Coastal Dredging Company, Inc. was awarded the contract. Coastal mobed out to the project area late 2023 and dredging resumed in December 2023. Construction is nearing completion and is expected to conclude fall-2024	II	On schedule
Phoenix Marsh Creation – East Increment	BS-42	FWS	29	RIVER BORROW. The project does not plan to make a Phase II request in December 2024. Based on cost increases for river dredging (unit rates and mob/demob) and recent bid awards (\$15-\$16.50/CY for BA-217), the project team plans to consider interior borrow options to reduce costs and provide a more competitive project for a December 2025 request.	I	On schedule
Bay Raccourci Marsh Creation increment 2	TE-166	FWS	29	LL&E 95% design completed in October 2023. Currently the major land owner (ConocoPhillips/LLE) is unwilling to sign land right agreements.	I	Critical Watch
Phoenix Marsh Creation – West Increment	BS-44	FWS	30	RIVER BORROW. Completed design in 2022. Designed to utilize same borrow site as BS-42 Phoenix Marsh Creation-East Increment (PPL29). Therefore, this project will not compete for Phase II funding until after BS-42 is constructed.	I	On schedule
Grand Bayou Ridge and Marsh Restoration - Increment 2	BA-257	FWS	31	Project was approved for Phase 2 funding in January 2022. The proposed borrow site (i.e., Magnolia Anchorage) is being utilized by the BA-217 project, currently in construction. The borrow site lacks sufficient quantity to build both projects. Therefore, BA-257 will be delayed until the borrow site has sufficiently infilled. Lengthy title research and landrights acquisition.	I	On schedule
Island Road Marsh Creation and Nourishment	TE-117	NMFS	23	LL&E Phase 2 was approved in January 2023. The NTP for the partial elevation survey only on Apache Louisiana Minerals, LLC was issued in June, 2024. ConocoPhillips/Louisiana Land and Exploration denied right-of-entry requests for surveying. Likewise, their landrights approval for construction is pending and uncertain. Sponsors prefer not to not rescop the project, but will assess the layout implications if landrights issues persist.	II	Critical Watch
West Fourchon Marsh Creation & Marsh Nourishment	TE-134	NMFS	24	LL&E. Ph II funding approved Jan 2020. In July 2020, investigated using Belle Pass/Bayou Lafourche as a borrow source. Due to hurricane impacts, additional surveys of MCAs were completed. A Supplemental Environmental Assessment using the alternative borrow area was completed Oct 2023. Land rights agreement with LL&E is anticipated in Q4 2024. Oyster lease secondary bio-assessment, re-appraisal, and acquisition is anticipated to be contracted/tasked once land rights agreements with LL&E are in final draft. Project to brief out prior to bidding the project. Final design package with alternative borrow area, Q3 2024. Anticipated bid advertisement Q3 2025. Construction start estimated Q4 2025.	II	Critical Watch
Fritchie Marsh Creation and Terracing	PO-173	NMFS	25	Age Change in scope approved in Fall of 2021. NMFS working closely with USACE and CPRA to develop agreement where CPRA assumes E&D for Phase 1. TThe NMFS will continue to work with stakeholders to ensure grant documents and agreements are in place to move the project forward	I	Critical Watch
Breton Landbridge Marsh Creation (West)	BS-38	NMFS	28	SCOPE CHANGE AND APPROVAL NEEDED. The project team has obtained land rights agreements for all MCA parcels. The project team has also modified the USACE construction permit to include potential expansions areas, and the team has shifted acreages into other areas where we already have design data. Reevaluation of the BS-38 cost benefit analysis and determination of net acres would occur before going to bid advertisement. Advertisement anticipated December 2024, mobilization anticipated June 2025, and completion of construction anticipated September 2026	II	On schedule
Barataria Bay Rim Marsh Creation	BA-195	NRCS	25	Project is currently awaiting Phase II funding. Placed in Critical Watch Category and Project Issues Delays due to requesting Phase 2 funding for 3 years and ongoing discussions regarding support. Title research shows the primary landowner within the project area is Louisiana Land & Exploration Company (LL&E) at approximately 50% ownership. Project consistent with current SMP. Project on hold awaiting discussions regarding support and concurrence with path forward.	I	Critical Watch
Northeast Turtle Bay Marsh Creation and Critical Shoreline Protection	BA-206	NRCS	27	Phase II approved in January 2022. Full re-survey conducted due to Hurricane Ida impacts. Design updated. Permit modification initiated. Landrights initiated but on hold, if resolved could be going to contracting by end of 2024	II	Critical Watch
Northeast Turtle Bay Marsh Creation extension	BA-258	NRCS	31	LL&E, AGE. Phase I approved in January 2022. Initial topographic, bathymetric, and magnetometer surveys have been completed. Additional surveys delayed due to access permission from ConocoPhillips/LL&E (landowner) being denied. May impact Ph II request, anticipated Dec 2025	I	Critical Watch
East Cove Marsh Creation Project	CS-88	NRCS	31	Phase I approved in January 2022. CSA signed. Revised borrow area location in coordination with LDWF. On Hold pending LNG final as-builts and projected BUDM placement	I	

**Status Review - Unconstructed CWPPRA Projects
July 2, 2024**

- 1. Project Name (and number):** New Orleans Landbridge Shoreline Stabilization and Marsh Creation (PO-169)
- 2. SOUP Category:** On Schedule, Project Issue Delays
- 3. PPL:** 24
- 4. Federal Agency:** FWS
- 5. Date of Construction Approval / Phase Two Approval:** 2/12/2019
- 6. Approved Total Budget:** \$25,446,124
- 7. Fully-Funded Cost:** \$25,446,124
- 8. Expenditures:** \$3,652,867
- 9. Unexpended Funds:** \$19,445,651
- 10. Estimate of anticipated funding increases, including O&M:** Unknown.
- 11. Potential changes to project benefits:** None
- 12. Brief chronology of project development and issues affecting implementation:**

January 2015	Phase I Approval
August 2016	30% Design Approval
October 2016	95% Design Approval
February 2019	Phase II Approval
May 2019	Section 404 Permit Received
July 2020	Consultation with NOAA Fisheries Complete
May 2021	Land Rights Completed
June 18, 2021	Bid Package Advertised
July 22, 2021	Bid Opening
November 5, 2021	Notice to Proceed
December 3, 2021	Construction Began
February 2023	Expansion of MCA2 Approved
April 2023	Dredge Contractor Defaulted
September 2023	Takeover Agreement Signed with Bonding Company
December 2023	Dredging Resumes

Issues affecting implementation: None

13. Current status/remaining issues:

Construction began in late 2021 to early 2022. However, in April 2023, the initial dredge contractor defaulted on the construction contract and left the project site. The CPRA legal team worked for several months to come to an agreement with the bonding company. The assurity, Philadelphia Insurance, asked for proposals from different completion contractors and Coastal Dredging Company, Inc. was awarded the contract. Coastal mobed out to the project area late 2023 and dredging resumed in December 2023. Construction is nearing completion and is expected to conclude mid-2024.

14. Projected schedule: Construction completion is expected in Fall-2024.

15. Preparer: Kristen Ramsey: (337) 291-3137; Kristen_Ramsey@fws.gov

**Status Review - Unconstructed CWPPRA Projects
July 1, 2024**

- 1. Project Name (and number):** Phoenix Marsh Creation – East Increment (BS-42)
- 2. SOUP Category:** Critical Watch, On Schedule, Project Issue Delays
- 3. PPL:** 29
- 4. Federal Agency:** FWS
- 5. Date of Construction Approval / Phase Two Approval:** N/A
- 6. Approved Total Budget:** \$3,393,064
- 7. Fully-Funded Cost:** \$55,813,205
- 8. Expenditures:** \$1,190,699
- 9. Unexpended Funds:** \$2,202,365
- 10. Estimate of anticipated funding increases, including O&M:** Unknown.
- 11. Potential changes to project benefits:** None.

12. Brief chronology of project development and issues affecting implementation:

January 2020	Phase I Approval
June 2022	30% Design Approval
October 2022	95% Design Approval
December 2022	Request for Change in Project Scope approved by Technical Committee
December 2022	Requested Phase II funding – Not Approved
December 2023	Requested Phase II funding – Not Approved

Issues affecting implementation: Increases in the cost of dredging the Mississippi River has called into question the future of river dredging projects in the CWPPRA program. The project will begin considering other borrow source alternatives in an attempt to make the project more cost-effective.

13. Current status/remaining issues:

The project does not plan to make a Phase II request in December 2024. Based on cost increases for river dredging (unit rates and mob/demob) and recent bid awards (\$15-\$16.50/CY for BA-217), the project team plans to consider interior borrow options to reduce costs and provide a more competitive project for a December 2025 request.

14. Projected schedule:

A Phase II request is anticipated in December 2025.

15. Preparer: Kristen Ramsey: (337) 291-3137; Kristen_Ramsey@fws.gov

**Status Review - Unconstructed CWPPRA Projects
July 5, 2024**

1. Project Name (and number): Bay Raccourci Marsh Creation Increment II (TE-166)

2. SOUP Category: Project Issue Delay, Critical Watch

3. PPL: 30

4. Federal Agency: FWS

5. Date of Construction Approval / Phase Two Approval: N/A

6. Approved Total Budget: \$2,962,500

7. Fully-Funded Cost: \$29,481,022

8. Expenditures: \$609,284

9. Unexpended Funds: \$2,353,216

10. Estimate of anticipated funding increases, including O&M: Unknown.

11. Potential changes to project benefits: None.

12. Brief chronology of project development and issues affecting implementation:

January 2020	Phase I Approval
March 2023	Completed Tribal Consultation
June 2023	30% Design Approval
October 2023	95% Design Approval

Issues affecting implementation: Currently the major land owner (ConocoPhillips/LLE) are unwilling to sign land right agreements.

13. Current status/remaining issues: Land Rights

14. Projected schedule:

15. Preparer: Robert Dubois, FWS (337-291-3127) Robert_Dubois@fws.gov

**Status Review - Unconstructed CWPPRA Projects
July 1, 2024**

1. Project Name (and number): Phoenix Marsh Creation – West Increment (BS-44)

2. SOUP Category: On Schedule, Project Issue Delays

3. PPL: 30

4. Federal Agency: FWS

5. Date of Construction Approval / Phase Two Approval: N/A

6. Approved Total Budget: \$1,052,017

7. Fully-Funded Cost: \$43,545,418

8. Expenditures: \$107,629

9. Unexpended Funds: \$944,388

10. Estimate of anticipated funding increases, including O&M: Unknown.

11. Potential changes to project benefits: None.

12. Brief chronology of project development and issues affecting implementation:

January 2021	Phase I Approval
June 2022	30% Design Approval
October 2022	95% Design Approval
December 2022	Request for Change in Project Scope approved by Technical Committee

Design of the project was completed in 2022 however no Phase II Requests have been made to date. This project as proposed at the October 2022 95% Design Review meeting would utilize the same borrow site as the BS-42 Phoenix Marsh Creation-East Increment Project. The borrow only contains enough material for one project. The project has remained on-hold until the BS-42 project could complete construction.

However, based on cost increases for river dredging (unit rates and mob/demob) and recent bid awards (\$15-\$16.50/CY for BA-217), the project team plans to consider interior borrow options to reduce costs and provide a more competitive project for a December 2025 request.

Issues affecting implementation: Project construction cannot move forward until after construction of BS-42 and borrow site infilling has occurred. Additionally, increases in the cost of dredging the Mississippi River has called into question the future of river dredging projects in the CWPPRA program. The project will begin considering other borrow source alternatives.

13. Current status/remaining issues:

The project will explore the option to shift to an interior borrow site. Any pivot to an interior borrow site obviously comes with additional E&D expenditures.

14. Projected schedule:

Request Phase 2 funding upon completion of the BS-42 project.

15. Preparer: Kristen Ramsey: (337) 291-3137; Kristen_Ramsey@fws.gov

**Status Review - Unconstructed CWPPRA Projects
July 3, 2024**

1. Project Name (and number): Grand Bayou Ridge and Marsh Restoration - Increment 2 (BA-257)

2. SOUP Category: On Schedule, Project Issue Delays

3. PPL: 31

4. Federal Agency: FWS

5. Date of Construction Approval / Phase Two Approval:

6. Approved Total Budget: \$3,411,317

7. Fully-Funded Cost: \$42,657,227

8. Expenditures: \$167,205

9. Unexpended Funds: \$3,244,112

10. Estimate of anticipated funding increases, including O&M: Unknown.

11. Potential changes to project benefits: Due to increased costs, the project footprint will be reduced.

12. Brief chronology of project development and issues affecting implementation:

- Project was approved for Phase 1 funding in January 2022.
- EMC Surveying and Mapping, Inc. has completed surveys and submitted final deliverables.
- Eustis Engineering, LLC has completed geotechnical investigations and submitted their final report.
- Principal Engineering, Inc. has completed cultural resource surveys and submitted a draft report.
- 30% design package provided to project team for review in February 2024.
- Draft cultural resources report was submitted to the SHPO and Native American Tribes in May 2024.
- SHPO concurrence received on June 26, 2024 that the project will have no impact on historical properties.
- Native American Tribes submitted no comments on the draft cultural resources report.
- Draft oyster lease assessment provided for review on June 18, 2024. No oyster resources in the impact area.

- Preliminary landrights investigation is complete. Due to the number of tracts and number of “et. al.” ownerships, a significant Phase 2 landrights effort is anticipated. Estimated cost is \$800,000 to conduct title research and secure final landrights agreements.

Issues affecting implementation: Sediment availability in the borrow area. Lengthy title research and landrights acquisition.

13. Current status/remaining issues:

Draft 30% design package is undergoing internal CPRA review.

The proposed borrow site (i.e., Magnolia Anchorage) is being utilized by the BA-217 project, currently in construction. The borrow site lacks sufficient quantity to build both projects. Therefore, BA-257 will be delayed until the borrow site has sufficiently infilled.

14. Projected schedule:

September 2024 – 30% design review meeting

December 2024 – Scope change request due to increased cost and reduction in benefits

February 2025 – 95% design review meeting

December 2025 – Phase 2 request

15. Preparer: Kevin Roy: (337) 291-3120; Kevin_Roy@fws.gov

**Status Review - Unconstructed CWPPRA Projects
July 2024**

- 1. Project Name (and number):** Island Road Marsh Creation and Nourishment (TE-117)
- 2. SOUP Category:** Critical Watch, Project Issues Delays
- 3. PPL:** 23
- 4. Federal Agency:** NMFS
- 5. Date of Construction Approval / Phase Two Approval:** January 2023
- 6. Approved Total Budget:** \$34,367,549
- 7. Fully Funded Estimate:** \$34,367,550
- 8. Expenditures:** \$2,848,053
- 9. Unexpended Funds:** \$30,077,940
- 10. Estimate of anticipated funding increases, including O&M:**
- 11. Potential changes to project benefits:** There have been no changes to project benefits since authorization of the Phase 2 funds in January 2023, by the Task Force. Based on 95% design level/Phase 2 request data, there was a decrease from 383 acres to 295 acres (-23%) in the project area and from 312 to 206 net acres (-34%).
- 12. Brief chronology of project development and issues affecting implementation:**
 - January 2014 – Phase 1 Approval
 - 2015 to early 2017 – evaluated 4 alternative fill area layouts and 8 different alternatives for borrow areas based on infrastructure, water depths, and exploratory geotechnical surveys
 - 2017 - met with landowners and Ducks Unlimited discussing alternatives analysis and dual claims
 - May 2018 – draft borrow area geotechnical investigations and borrow area modeling
 - October 2019 – 30% Design Review
 - December 2019 – responded to agency comments on the 30% design
 - January 2020 – project delivery team meetings were suspended for a change in scope analysis
 - April 2020 –
 - CPRA concurrence letter to proceed to 95% design
 - NMFS concluded a draft scope change analysis and concluded to proceed to a scope change request and 95% design

- October 2020 – An initial 95% design package and WVA project information sheet was drafted, but completion was postponed to refine the design.
- January – March 2021, additional step-wise geotechnical analyses were conducted refining the duration for fill placement and mudline elevations to further inform the design and performance.
- September 2021 – 95% Design Review
- June 2022 – Phase 1 grant expired
- December 2022 – Phase 2 construction funding request. The Technical Committee recommended Phase 2 construction funding.
- January 2023 – Task Force approved Phase 2 funding.
- June 2023 –Phase 2 grant package and final NEPA concurrence submitted.
- June 2023 - MIPR signed
- September 2023 – Phase 2 grant awarded by NOAA to CPRA
- June 2024 – Notice to Proceed issued by CPRA for a partial elevation re-survey, only on Apache Louisiana Minerals, LLC

13. Current status/remaining issues: The project received Phase 2 funding authorization by the Task Force in January 2023. The project team agreed that the Marsh Creation Area’s will be resurveyed once the MIPR is received and Phase 2 grant is awarded. The partial resurvey is to reverify site conditions, designs, and volumes prior to proceeding to 100% design. The NTP for the partial elevation survey only on Apache Louisiana Minerals, LLC was issued in June, 2024. ConocoPhillips/Louisiana Land and Exploration denied right-of-entry requests for surveying. Likewise, their landrights approval for construction is pending and uncertain. .

14. Projected schedule and milestones: Once the survey data are available, site conditions, design, and volumes will be reverified. Receipt of the draft survey report is expected in July, 2024. Reassessment of the design by CPRA is conservatively estimated to be completed in three to six months from receipt of the final survey report. Given a previous approved change in scope, the sponsors prefer not to not rescope the project, but will assess the layout implications if landrights issues persist. Coordination with the CWPPRA agencies will occur if substantive issues arise.

15. Preparer: Patrick Williams, NOAA Fisheries; 225-329-9268; patrick.williams@noaa.gov
Jennifer Smith, NOAA Fisheries; 225-571-9030; jennifer.smith@noaa.gov

Initial draft June 24, 2024

**Status Review - Unconstructed CWPPRA Projects
July 2024**

- 1. Project Name (and number):** West Fourchon Marsh Creation & Nourishment (TE-134)
- 2. SOUP Category:** Critical Watch, Project Issue Delays
- 3. PPL:** 24
- 4. Federal Agency:** NMFS
- 5. Date of Construction Approval / Phase Two Approval:** January 2020
- 6. Approved Total Budget:** \$30,494,148
- 7. Fully Funded Estimate:** \$30,494,148
- 8. Expenditures:** \$2,422,259
- 9. Unexpended Funds:** \$27,099,668
- 10. Estimate of anticipated funding increases, including O&M:** N/A
- 11. Potential changes to project benefits:** Project acreage decreased from 614 to 537 acres (12.5% decrease) because the single Phase 0 marsh creation area was split into two marsh creation areas to avoid two active natural gas pipelines that bisect the project area and also to optimize the dike construction of the marsh creation areas.
- 12. Brief chronology of project development and issues affecting implementation:**
 - 2015 – Phase 1 Approval
 - July 2018 – 30% Design Meeting
 - October 2018 – 95% Design Meeting
 - December 2018 – competed for Phase II funding
 - December 2019 – Phase II Approval by Technical Committee
 - July 2020 – Greater Lafourche Port Commission (GLPC) approached the project team to consider using Belle Pass/Bayou Lafourche as a borrow source. This resulted in additional surveys and geotechnical data collection within the navigation channel in order to assess the borrow area. The GLPC offered to provide additional funding for the project if the inshore borrow area was used.
 - 2020 – multiple hurricanes impacted the project area
 - May 2021—consistency concurrence with both borrow areas submitted
 - August 2021 – Hurricane Ida struck the project area, and additional surveys were required in the marsh creation areas to evaluate additional marsh loss and access corridors post-hurricane
 - January 2022 – Department of the Army 10/404 permit application submitted with both borrow areas
 - January-March 2022 – Post-Ida survey report completed
 - April 2022 – consistency modification approved with GLPC as applicant
 - May 2022 -- oyster appraisal complete
 - November 2022 – draft alternative borrow area evaluation submitted by GLPC contractor to project team
 - April 2023 - Department of the Army 10/404 permit received
 - July 2023 – Alternative borrow area evaluation finalized
 - October 2023 – Final Supplemental EA

- May 2024 – Kickoff for final design with GLPC contractor (GIS Engineering), GLPC, and project team (CPRA, NOAA)

13. Current status/remaining issues: Phase II funding approved by Task Force in January 2020. In July 2020, the GLPC approached the project team to consider using Belle Pass/Bayou Lafourche as a borrow source. Additional design-level data were collected and evaluated by the GLPC to consider this borrow source to confirm that the project goals can be met with this borrow source. Due to hurricane impacts, additional surveys of the marsh creation areas were completed. A Supplemental Environmental Assessment using the alternative borrow area was completed in October 2023. Land rights agreement with LL&E is anticipated in Q4 2024. Oyster lease secondary bio-assessment, re-appraisal, and acquisition is anticipated to be contracted/tasked once land rights agreements with LL&E are in final draft. The project team will come back to the CWPPRA community for a brief out prior to bidding the project.

14. Projected schedule and milestones: Final design package with alternative borrow area anticipated Q3 2024. Anticipated bid advertisement Q3 2025. Construction start estimated Q4 2025.

15. Preparer: Donna Rogers (NMFS); (225) 316-8958; donna.rogers@noaa.gov

Initial Draft June 24, 2024 (DRR)

Status Review - Unconstructed CWPPRA Projects
July 2023

- 1. Project Name (and number):** Fritchie Marsh Creation and Terracing (PO-173)
- 2. SOUP Category:** Critical Watch, Project Issue Delays
- 3. PPL:** 25
- 4. Federal Agency:** NMFS
- 5. Date of Construction Approval / Phase Two Approval:**
- 6. Approved Total Budget:** \$3,033,294
- 7. Fully Funded Estimate:** \$39,126,975
- 8. Expenditures:** \$423,921
- 9. Unexpended Funds:** \$2,609,373
- 10. Estimate of anticipated funding increases, including O&M:** Due to the location of the USACE final mitigation plan for the Plaquemines NOV/NFL levee overlapping with the Phase I alignment, there was a substantive change to the cost. The project will be relocated to the east side of the Fritchie Marsh as approved through a scope change in 2022.
- 11. Potential changes to project benefits:** The new project layout approved in 2022 reduced the acreage of marsh creation and nourishment from the Phase 0 configuration of 328 acres to 288 acres. The linear footage of terraces remains the same at 22,680 linear feet.
- 12. Brief chronology of project development and issues affecting implementation:**
 - January 2016 – Phase 1 Approval
 - January 26, 2017 – Interagency Support Agreement executed between NMFS and USACE for project engineering and design
 - April 10, 2017 – Kickoff meeting and site inspection
 - June 17, 2017 – Cooperative agreement for Phase 1 signed by CPRA and NMFS
 - November 8, 2017 - right of entry notification for surveying
 - Summer of 2018 – two meetings with adjacent land owners
 - September, 2018 – USACE completed review of St. Tammany Parishes’ H&H model report to assess intercepted drainage of developed areas and marsh and/or increase inundation of marshes
 - 2019 – notified by St. Tammany Parish that their Beneficial Use project on Section 16 property would not be proceeding
 - March 12, 2019 – concluded sturgeon pre-consultation with NMFS PRD and USFWS regarding selection of borrow alternatives in Lake Pontchartrain to finalize the surveying scopes of work

- Spring 2019 - revised surveying scopes of work
- May 8, 2019 – USACE signed the Tentatively Selected Plan memo choosing the CWPPRA project area for the Plaquemines New Orleans to Venice/Non-Federal (NOV/NFL) levee mitigation project
- Summer 2019 to present – NMFS suspended project delivery team meetings.
- Summer 2019 – NMFS completed and presented to the Project Delivery Team a new draft alternative on the Refuge and private lands on the east side of Fritchie Marsh
- Winter of 2019/2020 - USACE notified NMFS Las Conchas representative had changed and provided new point of contact information
- Spring 2020, NMFS initiated coordination with Las Conchas representative
- Winter 2020, NMFS met with Las Conchas representatives and held Project Delivery Team meetings
- Winter and Spring 2021, NMFS and CPRA revised project design based on the Las Conchas meeting
- Spring 2021, presented the new concept to Las Conchas for their approval
- December 2021, approved for scope change by CWPPRA Technical Committee
- January 2022, approved for scope change by CWPPRA Task Force
- Spring/Summer 2022, developing new Interagency Support Agreement between NMFS and USACE for project engineering and design
- Fall 2022 and Spring 2023, pursuing agreement with CPRA to assume E&D roll. Details are still being finalized
- August 2023, CPRA declines taking the lead E&D roll
- Winter 2023 to present, working with USACE to establish an agreement to retake the lead for E&D
- March 2024, Fritchie marsh stakeholder meeting with landowners, Refuge staff, CPRA, St. Tammany Parish, and NMFS

13. **Current status/remaining issues:** The NMFS is working closely with USACE and CPRA to develop an agreement where USACE reassumes E&D for Phase I.

14. **Projected schedule and milestones:** The NMFS will continue to work with stakeholders to ensure grant documents and agreements are in place to move the project forward.

15. **Preparer:** Brandon Howard; NOAA Fisheries; 601-890-1088; brandon.howard@noaa.gov

Initial draft June 24, 2023

Status Review - Unconstructed CWPPRA Projects

July 2024

1. **Project Name (and number):** Breton Landbridge Marsh Creation (West) Project (BS-38)
2. **SOUP Category:** On schedule
3. **PPL:** 28
4. **Federal Agency:** NMFS
5. **Date of Construction Approval / Phase Two Approval:** January 27, 2022.
6. **Approved Total Budget:** \$31,777,082
7. **Fully Funded Estimate:** \$31,777,082
8. **Expenditures:** \$2,242,949
9. **Unexpended Funds:** \$28,054,336
10. **Estimate of anticipated funding increases, including O&M:** N/A
11. **Potential changes to project benefits:** To be determined once MCA alignments are finalized and the project's cost benefit analysis has been reevaluated.
12. **Brief chronology of project development and issues affecting implementation:**
 - February 2019 – Phase 1 Approval
 - January 2022 – Phase 2 Approval
 - June 2022 – CPRA Industry Day comments resulted in the team removing the floating dredge pipe as a project construction component. An alternative analysis for three lake dike alignments was conducted by the project team; focusing on shoreline retreat rates in the project area over five year increments and also with a 2025 projected shoreline. Adjustments were made to MCAs 1, 2, and 4.
 - October 2022 – Phase 2 Cooperative Agreement executed
 - January 2023 – Construction permit approved USACE (MVN-2022-00632-EBB)
 - June 2023 –NFWF funding \$7M to specifically construct BS-38's western most authorized MCA along Orange Bayou.
 - Calendar Year 2024 – Bid document development
13. **Current status/remaining issues:** The project team has obtained land rights agreements for all MCA parcels. The project team has also modified the USACE construction permit to include potential expansions areas, and the team has shifted acreages into other areas where we already have design data. Reevaluation of the BS-38 cost benefit analysis and determination of net acres would occur before going to bid advertisement.
14. **Projected schedule and milestones:** (indicate any project milestones here)
Advertisement anticipated December 2024, mobilization anticipated June 2025, and completion of construction anticipated September 2026.
15. **Preparer:** [January Murray, NOAA Fisheries, january.murray@noaa.gov](mailto:january.murray@noaa.gov)

Document Draft Date: 06-24-2024

**Status Review - Unconstructed CWPPRA Projects
July 2024**

1. **Project Name (and number):** Barataria Bay Rim Marsh Creation Project (BA-195)
2. **SOUP Category:** Project Issues Delays and Critical Watch
3. **PPL:** 25
4. **Federal Agency:** NRCS
5. **Date of Construction Approval / Phase Two Approval:** n/a
6. **Approved Total Budget:** \$2,693,708
7. **Fully Funded Cost Estimate:** \$30,294,291
8. **Expenditures:** \$2,400,622
9. **Unexpended Funds:** \$293,086
10. **Estimate of anticipated funding increases, including O&M:** None at this time.
11. **Potential changes to project benefits:** None at this time.
12. **Brief chronology of project development and issues affecting implementation:**

2016 – 2019	CSA for Phase I completed. Design Surveys, Magnetometer Survey Report, and Geotechnical Investigation completed. 30% Design review meeting completed March 2019; 95% Design review meeting completed October 2019. Phase II funding request submitted.
2020	Repeat Phase II funding request submitted, but not approved.
2021	Repeat Phase II funding request submitted, but not approved.
2022	Repeat Phase II funding was not requested. Determined to not be consistent with 2017 SMP.
2023	Repeat Phase II funding was not requested.
13. **Current status/remaining issues:** Project is currently awaiting Phase II funding. Placed in Critical Watch Category and Project Issues Delays due to requesting Phase 2 funding for 3 years and ongoing discussions regarding support. Title research shows the primary landowner within the project area is Louisiana Land & Exploration Company (LL&E) at approximately 50% ownership.
14. **Projected schedule:** Project consistent with current SMP. Project on hold awaiting discussions regarding support and concurrence with path forward.
15. **Preparer:** (6/15/20) (7/16/21) (7/5/22): Quin Kinler, NRCS; (6/21/23): Ron Boustany, NRCS (337) 291-3067, (8/3/2023): Angela Trahan, (6/27/2024) Angela Trahan, Jessica Diez.

**Status Review - Unconstructed CWPPRA Projects
July 2024**

- 1. Project Name:** Northeast Turtle Bay Marsh Creation and Critical Area Shoreline Protection Project (BA-206)
- 2. SOUP Category:** Critical Watch, Project Issue Delays
- 3. PPL:** 27
- 4. Federal Agency:** NRCS
- 5. Date of Construction Approval / Phase Two Approval:** January 27, 2022, Phase 2 approval.
- 6. Approved Total Budget:** \$37,524,056
- 7. Fully Funded Cost Estimate:** \$37,524,056
- 8. Expenditures:** \$3,508,744
- 9. Unexpended Funds:** \$32,785,522
- 10. Estimate of anticipated funding increase, including O&M:** No funding increases anticipated.
- 11. Potential changes to project benefits:** As a result of the post-Hurricane Ida survey, the project area has been reduced in acreage from 793 to 770 acres (23 acres, 3% reduction). While this is a potential change, we do not believe an updated WVA is necessary at this time.
- 12. Brief chronology of project development and issues affecting implementation:**

2018-2019	CSA executed. Contract awarded for Engineering Services (Geotech, Mag Surveys, Design).
2020	Data collection completed. Design initiated.
2021	30% and 95% Design Review Meetings completed in April and October 2021, respectively. Phase II funding request submitted November 2021.
2022	Phase II approved in January 2022. Full re-survey conducted due to impacts of Hurricane Ida. Permit completed. Landrights initiated.
2023	Design updated on January 19, 2023. Permit modification updated. Landrights has been initiated, however issues with Parish lawsuits have landrights on hold.
2024	On-hold - landrights
- 13. Current milestones/remaining issues:** Landrights on hold.
- 14. Projected schedule:** Depending on resolution of landrights issues, could be going to contracting by end of 2024.

15. Preparer: (7/5/22) Quin Kinler, NRCS; (6/20/23) Angela Trahan, NRCS, 337/291-3142

**Status Review - Unconstructed CWPPRA Projects
July 2024**

- 1. Project Name:** Northeast Turtle Bay Marsh Creation Extension Project (BA-258)
- 2. SOUP Category:** Critical Watch, Project issue delays
- 3. PPL:** 31
- 4. Federal Agency:** NRCS
- 5. Date of Construction Approval / Phase Two Approval:**
- 6. Approved Total Budget:** \$3,591,775
- 7. Fully Funded Cost Estimate:** \$37,207,763
- 8. Expenditures:** \$1,066,437
- 9. Unexpended Funds:** \$2,525,338
- 10. Estimate of anticipated funding increase, including O&M:** No funding increases anticipated.
- 11. Potential changes to project benefits:** None.
- 12. Brief chronology of project development and issues affecting implementation:**

2022-2023	Approved for Phase I Engineering & Design at the January 2022 Task Force meeting. Initial topographic, bathymetric, and magnetometer surveys have been completed.
2024	Geotechnical analysis is awaiting completion. Additional surveys delayed due to access permission from ConocoPhillips/LL&E (landowner) being denied.
- 13. Current milestones/remaining issues:** 30% Design Review anticipated for Spring 2025. 95% Design Review anticipated for Fall 2025. Landowner issues are anticipated to continue within the foreseeable future and may impact current milestones and Phase II request.
- 14. Projected schedule:** Anticipate Phase II request in December 2025.
- 15. Preparer:** (6/25/2024) Eric Whitney, NRCS, (337) 291-3069, and Angela Trahan, NRCS, (337) 291-3142

**Status Review - Unconstructed CWPPRA Projects
July 2024**

- 1. Project Name:** East Cove Marsh Creation Project (CS-88)
- 2. SOUP Category:** Project Issue Delays
- 3. PPL:** 31
- 4. Federal Agency:** NRCS
- 5. Date of Construction Approval / Phase Two Approval:** N/A
- 6. Approved Total Budget:** \$2,765,587
- 7. Fully Funded Cost Estimate:** \$29,114,437
- 8. Expenditures:** \$71,314
- 9. Unexpended Funds:** \$2,694,273
- 10. Estimate of anticipated funding increase, including O&M:** No funding increases anticipated.
- 11. Potential changes to project benefits:** None.
- 12. Brief chronology of project development and issues affecting implementation:**

2022-2023	Approved for Phase 1; CSA signed. Revised borrow area location in coordination with LDWF. Discussions regarding proposed LNG facilities using beneficial use of dredged material (BUDM) in East Cove Unit of Cameron Prairie NWR. July 2022, Project Team placed a hold on project activities pending LNG BUDM activities. Expectations are that LNGs would go to construction 2024.
2024	On hold pending LNG BUDM activities. As of June 2024, Venture Global (VG) is waiting on Corps Permit and FERC approval. VG is predicting no BUDM activity before 2025.
- 13. Current milestones/remaining issues:** On-hold pending construction of LNG and placement of Beneficial Use of Dredge Material.
- 14. Projected schedule:** On Hold pending LNG final as-builts and projected BUDM placement.
- 15. Preparer:** (6/20/24) Angela Trahan, NRCS, 337/291-3142

Projects Delayed by Programmatic Issues (e.g., CSAs, Induced Shoaling)

Project Name	Project No.	Agency	PL	Issue Category	Project Status & Critical Milestone(s)	Ct P

* (7 JULY 2023) If projects inconsistent with State Master Plan, then programmatic delays

* (12 JULY 2024) If projects have river borrow, then discussed possibility having programmatic delays. Perhaps considered programmatic delays in 2025.

Projects with Phase II Estimate > \$50 Million

Project Name	Project No.	Agency	PPL	Phase I Estimate	Phase II Estimate	Total Estimate*	Notes
Grand Bayou Ridge and Marsh Restoration	BA-217	FWS	28	\$3,463,474	\$48,865,602	\$52,329,077	
LaBranche East (PO-75) and Central (PO-133) Marsh Creation Combined	PO-75	NRCS	19	\$2,571,273	\$52,769,708	\$59,226,279	PO-75 combined with PO-133 Approved by TF Jan 2021
Phoenix Marsh Creation – East Increment	BS-42	FWS	29	\$3,393,064	\$38,289,973	\$55,813,205	
				\$9,427,811	\$139,925,283	\$167,368,561	

* Estimates shown are either the amounts being carried on the "books" or from the PM and do not necessarily constitute a recent or accurate estimate of project costs.

** This project is not the "test section" project that has requested Phase II funds recently. It is the estimate carried on the books for the large-scale project that could be undertaken after test sections are built.

**Status Review - Unconstructed CWPPRA Projects
July 3, 2024**

1. Project Name (and number): Grand Bayou Ridge and Marsh Restoration - Increment I (BA-217)

2. SOUP Category: On Schedule

3. PPL: 28

4. Federal Agency: FWS

5. Date of Construction Approval / Phase Two Approval: January 2023

6. Approved Total Budget: \$52,329,077

7. Fully-Funded Cost: \$52,329,077

8. Expenditures: \$2,108,174

9. Unexpended Funds: \$49,066,257

10. Estimate of anticipated funding increases, including O&M: Unknown.

11. Potential changes to project benefits: None.

12. Brief chronology of project development and issues affecting implementation:

Project was approved for Phase 2 funding in January 2023. Bid advertisement was in March 2024 and bids were opened on April 25, 2024. A construction contract was awarded to Weeks Marine, Inc. on June 7, 2024.

Issues affecting implementation: None at this time.

13. Current status/remaining issues:

Awaiting a Notice To Proceed date for Weeks Marine to begin construction.

14. Projected schedule:

Construction is expected to begin in August 2024.

15. Preparer: Kevin Roy: (337) 291-3120; Kevin_Roy@fws.gov

**Status Review - Unconstructed CWPPRA Projects
July 2024**

- 1. Project Name (and number):** LaBranche East Project (PO-75)
- 2. SOUP Category:** On Schedule
- 3. PPL:** 19
- 4. Federal Agency:** NRCS
- 5. Date of Construction Approval / Phase Two Approval:** January 2020
- 6. Approved Total Budget:** \$55,340,891
- 7. Fully Funded Cost Estimate:** \$59,226,279
- 8. Expenditures:** \$13,375,919
- 9. Unexpended Funds:** \$40,931,938
- 10. Estimate of anticipated funding increases, including O&M:** Scope change with 34% cost increase was approved in 2018.
- 11. Potential changes to project benefits:** Scope change with 10% cost decrease in net acres was approved in 2018.
- 12. Brief chronology of project development and issues affecting implementation:**

2010	Approved (Phase I)
2010 – 2011	Planning and Design began in August 2010 after CSA signed. Geotechnical Investigation of Marsh Creation Areas completed in January 2011. Results indicated areas with high organic content resulting in decision to analyze various methods of containment and dredge material placement to verify the proposed design.
2012	A pilot study was developed to analyze design alternatives. Permit or pilot study was drafted and submitted.
2013	USACE issued permit for pilot study. Work began on June 1, 2013.
2014	Pilot Study completed in April 2014. Project Team will monitor results through August 2014 and develop report with findings and recommend preferred alternative for design.
2015-2016	Continued observation and re-survey of pilot project settlement.
2017	Geotechnical re-evaluation based on results of pilot study yielded determination that project is constructible. Project Team is actively pursuing design.
2018	30% Design and 95% Design completed. Phase II funding request was submitted, but project was not selected.
2019	Cost estimate updated. Project re-submitted for Phase II request. Consideration is being given to combining this project with PO-133.

2020	Phase II request approved. CSA amendment and Construction MIPR complete. Landrights assignment and certification, COE permit, and final design / contracting package are nearing completion.
2021	Phase II of PO-133 was approved and added to PO-75 Phase II. PO-75 permit issued. PO-133 permit in progress. PO-75 and PO-133 Landrights ongoing. PO-75 Contracting package being modified to incorporate construction of PO-133 portion. Approved to be combined at the January TF meeting Agenda Item 15.
2022	Permits and landrights complete. PO-75 and PO-133 design combine complete. Expected to go out for bid in September 2022.
2023	Combined as PO-75. Contract awarded.
2024	In construction.

13. Current status/remaining issues: No issues at this time.

14. Projected schedule: Contract awarded on 4/18/2023.

15. Preparer: Updated (6/18/14): John Jurgensen, NRCS (318) 473-7694
Updated (6/19/15): John Jurgensen, NRCS (318) 473-7694
Updated (6/15/16); (6/9/17); (7/27/18); (6/6/19); (6/10/20); (7/16/21); (7/5/22):
Quin Kinler, NRCS (225) 271-2403. (6/20/23) (6/25/24): Angela Trahan (337)
291 - 3142

**Status Review - Unconstructed CWPPRA Projects
July 1, 2024**

- 1. Project Name (and number):** Phoenix Marsh Creation – East Increment (BS-42)
- 2. SOUP Category:** Critical Watch, On Schedule
- 3. PPL:** 29
- 4. Federal Agency:** FWS
- 5. Date of Construction Approval / Phase Two Approval:** N/A
- 6. Approved Total Budget:** \$3,393,064
- 7. Fully-Funded Cost:** \$55,813,205
- 8. Expenditures:** \$1,190,699
- 9. Unexpended Funds:** \$2,202,365
- 10. Estimate of anticipated funding increases, including O&M:** Unknown.
- 11. Potential changes to project benefits:** None.
- 12. Brief chronology of project development and issues affecting implementation:**

January 2020	Phase I Approval
June 2022	30% Design Approval
October 2022	95% Design Approval
December 2022	Request for Change in Project Scope approved by Technical Committee
December 2022	Requested Phase II funding – Not Approved
December 2023	Requested Phase II funding – Not Approved

Issues affecting implementation: Increases in the cost of dredging the Mississippi River has called into question the future of river dredging projects in the CWPPRA program. The project will begin considering other borrow source alternatives in an attempt to make the project more cost-effective.

13. Current status/remaining issues:

The project does not plan to make a Phase II request in December 2024. Based on cost increases for river dredging (unit rates and mob/demob) and recent bid awards (\$15-\$16.50/CY for BA-217), the project team plans to consider interior borrow options to reduce costs and provide a more competitive project for a December 2025 request.

14. Projected schedule:

A Phase II request is anticipated in December 2025.

15. Preparer: Kristen Ramsey: (337) 291-3137; Kristen_Ramsey@fws.gov

Inactive Projects

Project Name	Project No.	Agency	PPL	# of Phase II Requests	Project Status & Critical Milestone(s)	Cur Ph
Freshwater Bayou Bank Stab - Belle Isle Canal to Lock	TV-11b	COE	9		All work was put on hold pending approval of a new Cost Share Agreement. The Task Force voted to inactivate this project at the June 4, 2013 meeting.	
Venice Ponds Marsh Creation & Crevasses	MR-15	EPA	15	3	The Task Force voted to inactivate this project at the Jan 2014 meeting due to the project having gone through a 95% design review.	
Alligator Bend Marsh Restoration and Shoreline Protection	PO-34	NRCS	16	2	Project design is complete. Project team has decided not to request funding until CWPBRA is reauthorized or another funding source is available. The Task Force voted to inactivate this project at the October 2014 meeting.	
Madison Bay Marsh Creation & Terracing	TE-51	NMFS	16	2	Project did not receive funding at January 2014 and January 2015 Task Force meetings. The Task Force voted to inactivate the project at the October 2015 meeting.	
North Lake Boudreaux Basin Freshwater Intro and Hydro Mgt	TE-32a	FWS	6		Several regulatory issues remain and still need to be resolved. It is estimated that a 404 permit could be issued by August 2017. Landrights for the conveyance channel were voided and could not be obtained by Terrebonne Parish. To pursue an alternate conveyance channel alignment, additional expenditures for engineering, construction, and landrights would be needed. An increase in the project cost must be approved by the Task Force. Project was inactivated in October 2016.	Non-FI
East Leeville Marsh Creation and Nourishment	BA-194	NMFS	25	1	Given project conditions this project has started the inactivation process with a special request to report at two Task Force meetings to allow adequate opportunities for public comment.	Fi Inactiv Oct 2
Freshwater Bayou Marsh Creation	ME-31	NRCS	19		Continued coordination with pipeline companies and with COE regarding the dredge pipe crossing of FWB. 404 CWA Permit/Section 408 obtained. Partial re-survey was conducted in 2020 to confirm elevations. Repeat Phase II requested in December 2023unsuccessful	2-Me
Oyster Lake Marsh Creation and Nourishment	CS-79	NMFS	25		Design is complete. Re-submitted for Phase II funding request in December 2022. Has competed for Phase II funding 3 times.	12-O
Terracing & Marsh Creation South of Big Mar	BS-24	FWS	22		Project waiting on Phase II funds. No Local Sponsor Support (Is not consistant with current MasterPlan)	12-O

Project Name	Project No.	Agency	PL	Issue Category	Project Status & Critical Milestone(s)	I
East Catfish Lake Marsh Creation and Shoreline Protection	TE-157	FWS	29		No Local Sponsor Support (Is not consistent with current MasterPlan)	Ja

(7 JULY 2023) Deemed inconsistent with State Master Plan

Projects Removed from SOUP

Project Name	Project No.	Agency	PPL	Yr Removed from SOUP	Reason Removed from SOUP List
South Lake Decade Freshwater Introduction	TE-39	NRCS	9		Construction completed July 12, 2011.
Lake Borgne and MRGO Shoreline Protection	PO-32	COE	12		Project was deauthorized.
South Shore of the Pen	BA-41	NRCS	14		Construction completed June 5, 2012.
East Marsh Island Marsh Creation	TV-21	EPA/NRCS	14		Construction completed February 2011.
Penchant Basin Natural Resources Plan, Incr 1	TE-34	NRCS	6		Construction completed August 29, 2012.
West Belle Pass Barrier Headland Restoration Project	TE-52	NMFS	16	2011	Construction Completed June 2013.
Barataria Barrier Shoreline, Pelican Island to Chaland Pass (CU2)	BA-38	NMFS	11	2011	Construction completed December 2012.
Fort Jackson Sediment Diversion	na	COE	na	2012	Project was closed out October 2011.
Riverine Sand Mining/Scofield Island Restoration	BA-40	NMFS	14	2012	Project was deauthorized January 2012
Lake Hermitage Marsh Creation	BA-42	FWS	15	2012	Construction completed May 2015.
Barataria Basin Landbridge, Phase 3 CU #7	BA-27c	NRCS	9	2012	Construction Complete.
Barataria Basin Landbridge, Phase 3 CU #8	BA-27c	NRCS	9	2012	Construction Complete.
Raccoon Island Shoreline Protection and Marsh Creation	TE-48	NRCS	11	2012	Construction completed on April 27, 2013.
Little Pecan Bayou Hydrologic Restoration	ME-17	NRCS	9	2013	Project was deauthorized in October 2012.
Benneys Bay Diversion	MR-13	COE	10	2013	Project was deauthorized in October 2012.
Weeks Bay Marsh Creation/Shoreline Protection/Commercial Canal/Freshwater Redirection	TV-19	COE	9	2013	Project was transferred out of the CWPPRA Program to Iberia Parish in June 2013.
Delta Building Diversion North of Fort St. Philip	BS-10	COE	10	2013	Project was deauthorized in June 2013.
Avoca Island Diversion and Land Building	TE-49	COE	12	2013	Project was deauthorized in June 2013.
Spanish Pass Diversion	MR-14	COE	13	2013	Project was deauthorized in June 2013.
White Ditch Resurrection	BS-12	NRCS	14	2013	Project was deauthorized in June 2013.
Bohemia Mississippi River Reintroduction	BS-15	EPA	17	2013	Project was deauthorized in June 2013.
GIWW Bank Rest of Critical Areas in Terrebonne	TE-43	NRCS	10	2013	Constructed 2014
Sediment Containment for Marsh Creation Demonstration	LA-09	NRCS	17	2013	Constructed
River Reintroduction into Maurepas Swamp	PO-29	EPA	11	2014	Transferred to CPRA in 2013.
Bayou Sale Shoreline Protection	TV-20	NRCS	13	2014	Project was deauthorized in May 2014.
Bertrandville Siphon	BS-18	EPA	18	2014	Project was deauthorized in May 2014.
Bayou Dupont Ridge and Marsh Restoration	BA-48	NMFS	17	2014	Constructed 2015
Grand Liard Marsh and Ridge Restoration	BA-68	NMFS	18	2014	Constructed 2015
Southwest LA Gulf Shoreline Nourishment and Protection	ME-24	COE	16	2015	Project was transferred out of the CWPPRA Program to Chenier Plain in Jan 2015

West Pointe a la Hache Outfall Management	BA-04c	NRCS	3	2015	Project was deauthorized in Jan 2015.
South Lake Lery Shoreline & Marsh Restoration	BS-16	FWS	17	2015	Constructed
Sabine Refuge Marsh Creation, Cycles 4 & 5	CS-28-4&5	FWS	8	2015	Constructed 2015
West Pointe a la Hache Marsh Creation	BA-47	NRCS	17	2015	Built under the BA-42 project, then deauthorized
Cheniere Ronquille Barrier Island Restoration	BA-76	NMFS	19	2015	Transferred out of CWPPRA program, then deauthorized
Kelso Bayou Marsh Creation	CS-53	NRCS	20	2016	Project was transferred in May 2016.
Terrebonne Bay Marsh Creation	TE-83	FWS	20	2017	Project was deauthorized January 2017
Central Terrebonne Freshwater Enhancement	TE-66	NRCS	18	2017	Project was transferred in January 2017
Bayou Dupont Sediment Delivery - Marsh Creation #3 and Terracing	BA-164	EPA	22	2017	Constructed
Bayou Bonfouca Marsh Creation	PO-104	FWS	20	2017	Completed
Oyster Bayou Marsh Restoration	CS-59	NMFS	21	2017	Constructed
Lost Lake Marsh Creation and Hydrologic Restoration	TE-72	FWS	19	2017	Constructed 2018
Grand Lake Shoreline Protection, Tebo Point & O&M Only [CIAP]	ME-21	NRCS	11	2017	Constructed
Hydrologic Restoration & Vegetative Planting in the des Allemands Swamp	BA-34-2	EPA	10	2018	Constructed 2018
Cameron Creole Watershed Grand Bayou Marsh Creation	CS-54	FWS	20	2018	Constructed 2019
Rockefeller Refuge Gulf Shoreline Stabilization	ME-18	NMFS	10	2018	In Construction
Shell Beach South Marsh Creation	PO-168	EPA	24	2019	Transferred to RESTORE in 2016
Northwest Turtle Bay Marsh Creation	BA-125	FWS	21	2019	In Construction July 2020
Cole's Bayou Marsh Creation and Nourishment	TV-63	NMFS	21	2019	Constructed
Shoreline Protection, Preservation, & Restoration (SPPR) Panel	LA-280	NMFS	25	2020	Deauthorized
Bayou Grande Chenier Marsh and Ridge Restoration	BA-173	FWS	23	2020	Transferred to CPRA
Cameron-Creole Freshwater Introduction	CS-49	NRCS	18	2020	In Construction
Cameron Meadows Marsh Creation and Restoration	CS-66	NMFS	22	2020	Constructed; waiting on completion report
Caminada Headlands Back Barrier Marsh Creation	BA-171	EPA	23	2020	Notice to Proceed issued to construction contractor April 2020. Heavy construction expected to begin late June/early July 2020.
Caminada Headlands Back Barrier Marsh Creation Increment #2	BA-193	EPA	25	2021	The BA-193 project footprint was added to the BA-171 project in order to increase efficiencies. While the project will be built, this project number is deauthorized.
Ship Shoal: Whiskey West Flank Restoration	TE-47	EPA	11	2021	NFWF project (TE-100) constructed over footprint of this project. TE-47 is deauthorized.

Bayou Decade Ridge Restoration and Marsh Creation	TE-138	NMFS	26	2022	Constructed; waiting on completion report
Bayou La Loutre Ridge Restoration and Marsh Creation	PO-178	NRCS	26	2023	Project Transferred to NRDA LA TIG
Long Point Bayou Marsh Creation	CS-85	EPA	28	2023	Project Transferred to NRDA Trustees
South Grand Chenier Marsh Creation	ME-20	FWS	11	2023	Constructed
Terracing and Marsh Creation South of Big Mar	BS-24	FWS		2023	Inactivated. Not consistent with SMP
Oyster Lake Marsh Creation and Nourishment Project	CS-79	NMFS	26	2023	Inactivated. Design changes, less cost effective
East Catfish Lake Marsh Creation and Shoreline Protection	TE-157	FWS	29	2023	DeauthorizedNo Local Sponsor Support (Is not consistent with current MasterPlan)

*A project is removed once it is deauthorized, transferred, or the construction contract is awarded.

North Catfish Lake Marsh Creation INACTIVATE OR TRANSFER	NRCS	TE-112	Partial re-survey conducted due to impacts of Hurricane Ida. Cost estimate updated. At the direction of the Task Force, CPRA reevaluated consistency for TE-112 and determined that the project is no longer consistent with the SMP. TE-112 was not submitted for Phase II funding DU submitting in July to the 2024 NFWF NCRF program cycle for a portion of the project footprint. DU intends to continue to compete for award funding until approved
--	------	--------	--

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

**REQUEST FOR PROJECT SCOPE CHANGE FOR TE-171 PORT FOURCHON
MARSH CREATION PROJECT**

For Decision:

EPA and CPRA are requesting the Task Force consider the Technical Committee's recommendation to approve request for a change in scope for the Port Fourchon Marsh Creation (TE-0171) Project. A scope change is required due to an increase in total project cost by more than 25%, and the ratio of the total cost to the number of net acres benefited by more than 25% from the Phase 0 approved project.

Port Fourchon Marsh Creation (TE-0171)

Change in Project Scope

Report to the CWPPRA Task Force

October 3, 2024

EPA and the Louisiana Coastal Protection and Restoration Authority request Task Force approval of a scope change for the Port Fourchon Marsh Creation (TE-0171) CWPPRA Project. The Technical Committee unanimously approved the scope change on Thursday, September 5, 2024. A scope change is required due to an increase in total project cost by more than 25% and an increase in the ratio of the total cost to the number of net acres benefited by more than 25% from the Phase 0 approved project. The changes to the fully funded cost without the Greater Lafourche Port Commission (GLPC) cost share is an estimated increase of 34.79% assuming a 15% construction contingency. The changes to the fully funded cost with the cost share is estimated to be 34.61%. The ratio of the estimated total fully funded cost (with cost share) to the estimated number of net acres created would increase by 47.03%. The 30% design meeting was held on July 23, 2024. The Phase 2 Wetland Value Assessment has not been finalized since we have not reached the 95% design milestone. The AAHUs cannot be calculated at this stage, but the percent change is not anticipated to exceed the 25% scope change threshold for that metric.

As discussed in the April 2024 North Delacroix Marsh Creation and Terracing (BS-0041) change in project scope request, and other projects, the driving force resulting in a cost increase is economic factors outside the control of the program or agencies. Construction estimates from 2022 and beyond for all CWPPRA projects (e.g. candidates and Phase 2 requests) were adjusted and increased to account for the significant increases in project resources including fuel, labor costs, materials, and inflationary factors. The TE-0171 initial project costs were estimated in 2021, prior to the hyperinflation observed in 2022, so comparisons to previous year's estimates are difficult. As noted in the April 2024 BS-0041 scope increase documentation, fully funded estimates for PPL32 candidate marsh creation projects averaged \$42.8M and cost effectiveness averaged \$155,362 per net acre. This TE-0171 scope change request is two years beyond those numbers and costs and inflation have continued to rise. The estimated and proposed fully funded cost to the CWPPRA program for the proposed 543-acre TE-0171 project area is \$39,976,390, which includes the GLPC cost share, resulting in a cost effectiveness of \$97,030 per net acre. The fully funded project cost, without the GLPC cost share, is estimated to be \$49,976,390, which is the requested amount of this project scope change. The 95% design process is still underway so costs may be further refined and be slightly different when presented at the 95% design review conference on October 7, 2024, and Phase 2 funding request.

The TE-0171 project is a unique and valuable addition to the CWPPRA program due to the local stakeholder involvement and their willingness to contribute 25% of the construction costs up to \$10 million dollars for the project construction. The GLPC has provided a letter of support stating their cost share. This project is synergistic with many restoration projects, prioritizing CWPPRA goals while enhancing the operational efficiencies of Port Fourchon and benefitting the local, state, and national economies. Using the Belle Pass channel as a source of borrow material is less expensive than offshore borrow and implements the advantageous beneficial use of dredged materials and a sustainable borrow source.

Specific goals of the approved Phase 0 project were to create approximately 514 acres and nourish approximately 91 acres of marsh with dredged material from Belle Pass. The Phase I authorized fully funded costs for the project are \$3,484,176. The TE-0171 project was approved on Priority Project List 31

with a total fully funded cost of \$37,075,992 without the GLPC cost share, and the total fully funded cost to the CWPPRA program with the GLPC cost share of \$29,696,971. The Phase 0 approved project consisted of one marsh creation cell to create and nourish a total of 605 acres of marsh habitat. This would have resulted in 450 net acres at the end of the Project’s 20-year life with a cost to the CWPPRA program of \$65,993 per net acre. The AAHUs for the Phase 0 approved project are 241.

The 30% project design (July 2024) provided for 595 acres of back barrier marsh with an estimated net acreage of 443 after 20 years. Two borrow sources were investigated during the 30% design effort with a recommendation to use the Belle Pass channel as the sediment source. The 30% design estimated total fully funded costs with a 25% contingency were \$65,515,290, with a cost to the CWPPRA program of \$55,515,290 including the GLPC cost share. The 30% design with a 25% GLPC match would result in a cost to the CWPPRA program of \$125,317 per net acre.

Based upon programmatic funding concerns expressed by some agencies with the 30% design cost estimate, the project footprint was adjusted for the 95% design, reducing the number of acres of back barrier marsh to 543 acres and an estimated net acreage of 412 acres. The overall design and previously proposed ECD armoring, and shoreline protection features have also been re-evaluated. The revised project footprint was provided to the USGS for an updated land/water analysis.

	Marsh Creation Acres	Total Net Acres	Total Fully Funded Cost	Fully Funded CWPPRA cost (with GLPC Cost Share)	Costs to CWPPRA per net acre
Phase 0	605	450	\$ 37,075,992	\$ 29,696,971	\$ 65,993
30%	595	443	\$ 65,515,290*	\$ 55,515,290*	\$ 125,317*
Proposed	543	412	\$ 49,976,390*	\$ 39,976,390*	\$ 97,030*

* Estimated costs as of September 19, 2024

Table 1 - Comparison of TE-0171 Approved Phase 0 project to Phase 1 30% Design and Proposed 95% Design

The Phase 0 approved configuration is in Figure 1, 30% design footprint in Figure 2, and proposed 95% project footprint in Figure 3.



Figure 1 – TE-0171 Phase 0 configuration



Figure 2 – TE-0171 30% design configuration



Figure 3 – TE-0171 proposed 95% design configuration

The TE-0171 project is synergistic with several constructed restoration projects and provides an additional measure of resiliency to the local community and to the Port. The adjacent and nearby projects are shown in Figure 4.

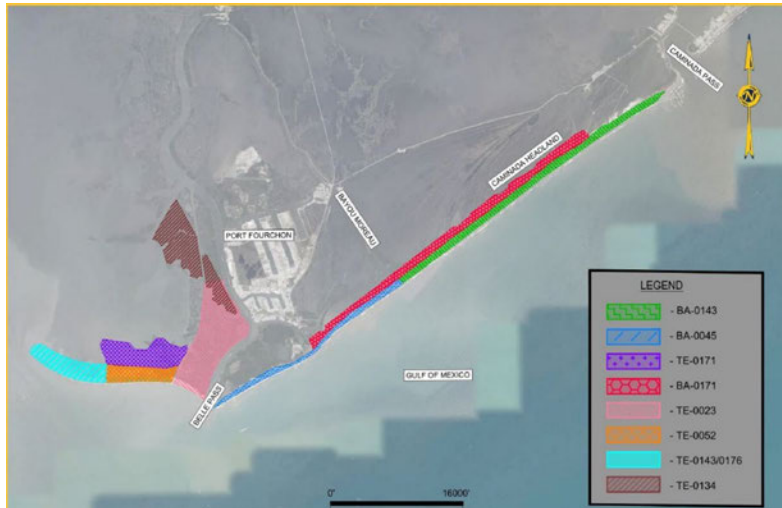


Figure 4 – Synergistic projects in the area

With the intent of maintaining Phase 0 goals and objectives, the project team has refined the Port Fourchon Marsh Creation (TE-0171) project to maximize the number of acres of marsh created while reducing costs. With an estimated total CWPPRA obligation of \$39,976,390 at \$97,030 per net acre, the rescope TE-0171 project is now highly competitive with projects that have been awarded Phase 2 funding over the last four years while being conscientious of programmatic funding constraints. The costs per acre for the three Phase 2 projects approved by the CWPPRA Task Force in January 2024 exceed the proposed TE-0171 cost/net acre and create less marsh than the TE-0171 proposed 543 acres as shown in Table 2.

Project Name	Region	Parish	Project Area (acres)	Average Annual Habitat Units (AAHU)	Net Acres	Phase II, Increment 1 Request*	Total Fully Funded Cost	Fully-Funded Phase I Cost	Fully-Funded Phase II Cost incl O&M	Average Annual Cost (AAC)	Cost Effectiveness (AAC/AAHU)	Cost Effectiveness (Cost/Net Acre)
St. Catherine Island Marsh Creation and Shoreline Protection (PO-179)	1	Orleans	231	67	169	\$27,931,521	\$32,630,322	\$2,389,308	\$30,241,014	\$2,101,784	\$31,370	\$193,079
Phoenix MC-East Incr (BS-42)	2	Plaquemines	366	97	268	\$51,014,219	\$56,106,079	\$3,393,064	\$52,713,015	\$3,708,658	\$38,234	\$209,351
Reggio Marsh Creation and Hydrologic Restoration Project (BS-43)	2	St. Bernard	519	162	324	\$41,922,882	\$46,707,631	\$3,678,761	\$43,028,871	\$2,869,723	\$17,714	\$144,159
Bay Raccourci Marsh Creation and Ridge Restoration (TE-156)	3	Terrebonne	518	150	363	\$35,330,357	\$42,006,694	\$3,447,902	\$38,558,792	\$2,687,864	\$17,919	\$115,721
Freshwater Bayou Marsh Creation (ME-31)	4	Vermilion	428	109	282	\$30,571,307	\$34,344,324	\$2,425,997	\$31,918,327	\$2,257,008	\$20,706	\$121,788
South Grand Chenier Baker Tract Marsh Creation (ME-32)	4	Cameron	401	157	346	\$30,879,285	\$34,835,824	\$2,653,242	\$32,182,582	\$2,214,354	\$14,104	\$100,682

Table 2 – CWPPRA Task Force approved projects for Phase 2 increment 1 funding in January 2024

EPA and CPRA are requesting Task Force approval of the TE-0171 scope change as presented in Table 3. CPRA’s letter of concurrence is attached.

TE-0171 Scope	Marsh Creation Acres	Estimated Total Net Acres	Estimated Total Fully Funded Cost	Estimated Fully Funded CWPPRA cost (with GLPC Cost Share)	Estimated Costs to CWPPRA per net acre
Proposed	543	412	\$ 49,976,390	\$ 39,976,390	\$ 97,030

Table 3 – Requested scope change for Port Fourchon Marsh Creation (TE-0171) project



State of Louisiana

JEFF LANDRY
GOVERNOR

August 19, 2024

Karen R. McCormick
Supervisor, Marine, Coastal and Nonpoint Source Section
EPA Region 6, Water Division (R06-WDAM)
1201 Elm Street, Suite 500
Dallas, TX 75270

Re: Scope Change for the Port Fourchon Marsh Creation Project (TE-0171)
Statement of Local Sponsor Concurrence

Dear Ms. McCormick,

The Coastal Protection and Restoration Authority, as the local sponsor, concurs to proceed with the Scope Change for the Port Fourchon Marsh Creation Project (TE-0171) based on the project information compiled to date.

This Scope Change is required due to an increase in total project cost by more than 25%, and the ratio of total cost to the number of net acres created by more than 25% from the Phase 0 Candidate.

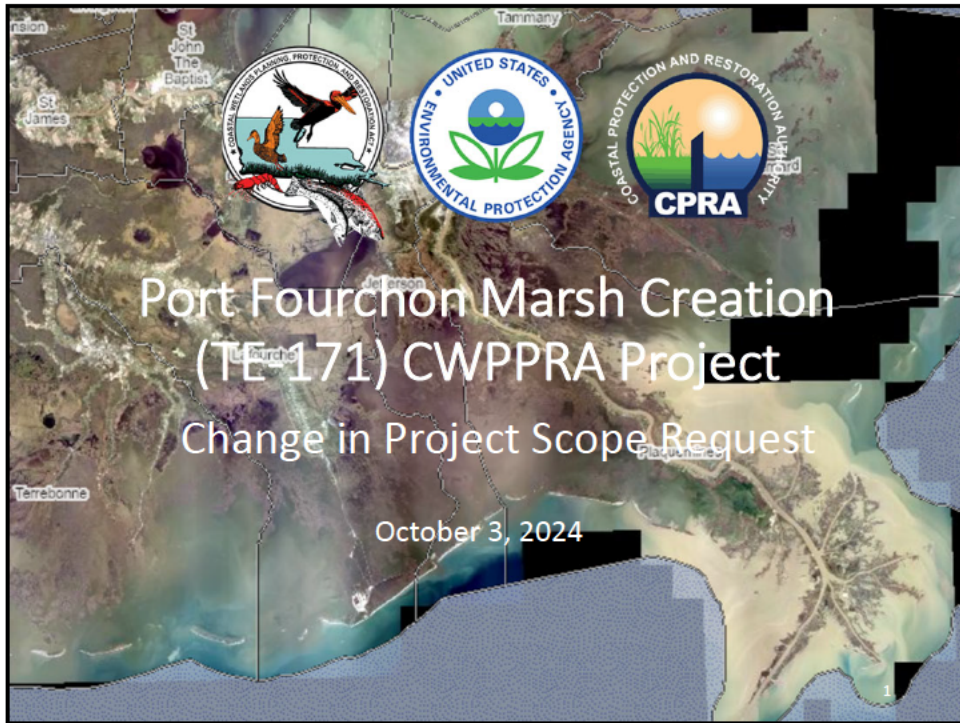
In accordance with the CWPPRA Project Standard Operating Procedures Manual, we request that you forward this letter of concurrence to the Technical Committee and the Planning and Evaluation Subcommittee. I concur with proceeding forward on the Scope Change with the preferred design and revised project cost estimate and benefits.

Please call me at (225) 342-4512 if you have any questions.

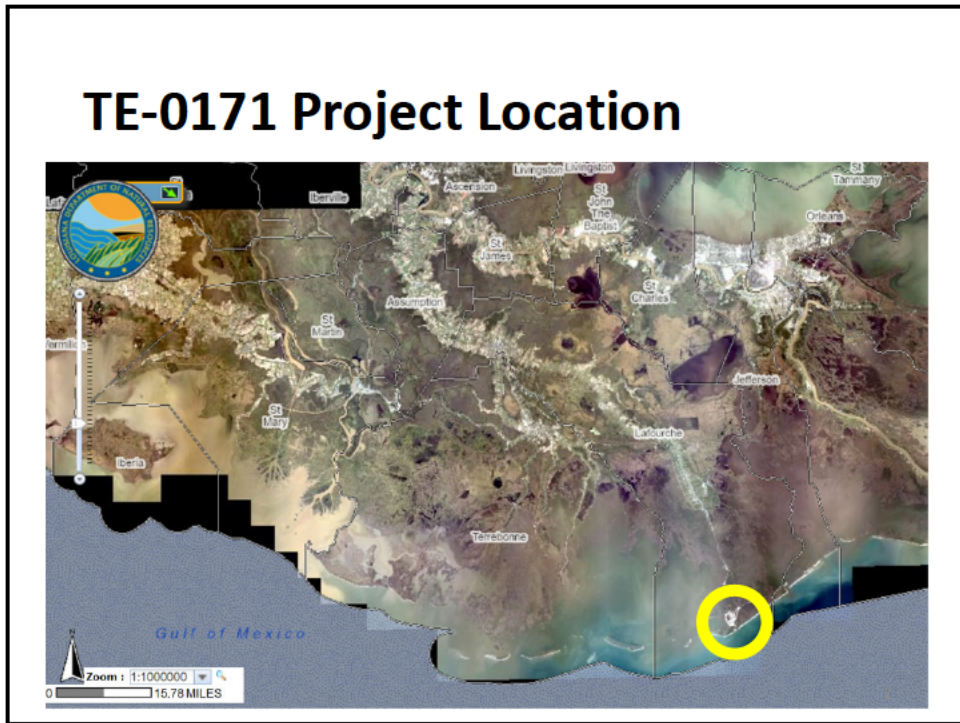
Sincerely,


Dustin White
CPRA Project Manager

Cc: Dr. Patricia Taylor, Project Manager, EPA
Paul Kaspar, Project Manager / Engineer, EPA
Brandon Champagne, CWPPRA Program Coordinator, CPRA




1



2

CWPPRA


Port Fourchon Marsh Creation



Port Fourchon Marsh Creation (PPL-31 Candidate)

Legend

- Marsh Creation *
- Project Boundary
- * Relative proposed features




Produced by:
U.S. Department of the Interior
U.S. Geological Survey
Marine and Coastal Resources Center
Baton Rouge, Louisiana
March 2022
Map Scale: 1:40,000

Project PPL 31 Approved January 2022


- 514 acres of marsh creation
- 91 acres of marsh nourishment
- Belle Pass borrow site
- Restores back barrier marsh to protect critical infrastructure and support a working coast through stakeholder priorities
- Synergy with West Belle Pass Barrier Headland Restoration (TE-52)

- 450 net acres
- \$29,696,971**

Fully funded cost with GLPC contribution



3



Why is this Project Unique?

- Local **stakeholder involvement** – GLPC **cost share** of 25% up to \$10M for construction, reduces CWPPRA program Phase 2 funding required
- Sustainable borrow** - beneficial use of dredged material
- Facilitates **synergies** between local, state and federal goals
- Enhances operational efficiencies of Port Fourchon, greatly **benefiting local, state and national economies**, while prioritizing CWPPRA goals
- Sustains investments** in adjacent restoration projects

4

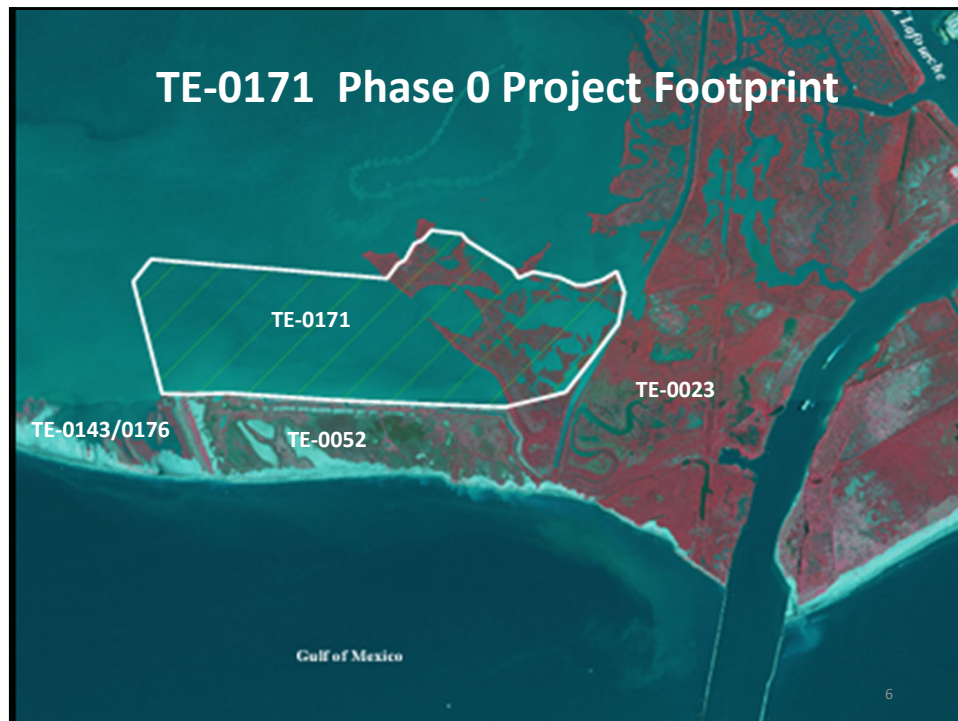
4

TE-171 Project Status

- 30% Design Conference held Jul 23, 2024
 - Three CWPPRA agencies expressed concerns over total project costs
 - Project rescoped, footprint reduced, features revised
- USGS land/water analyses updated based upon revised footprint
- GLPC continues to support project with construction cost share
- TC unanimously approved scope change request Sep 5, 2024
- 95% design conference to be held Oct 7, 2024

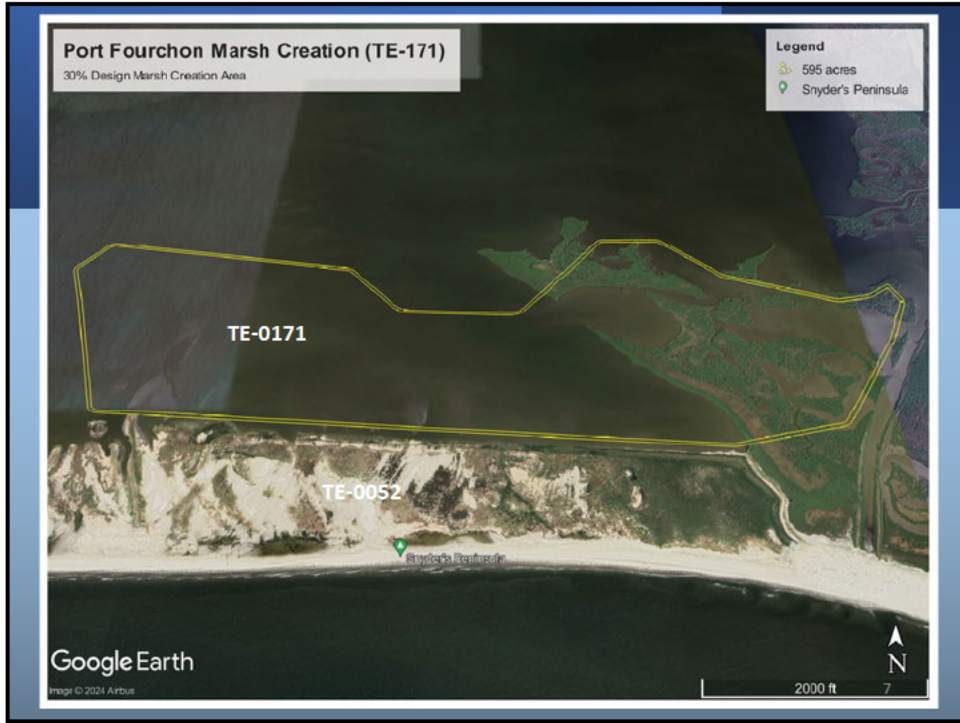
5

5

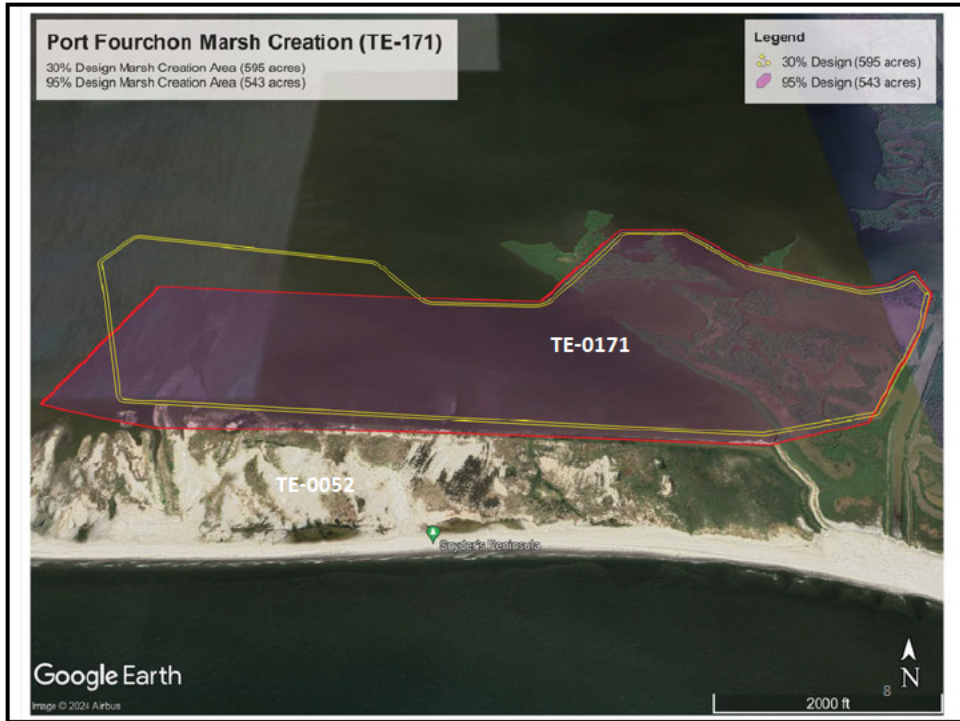


6

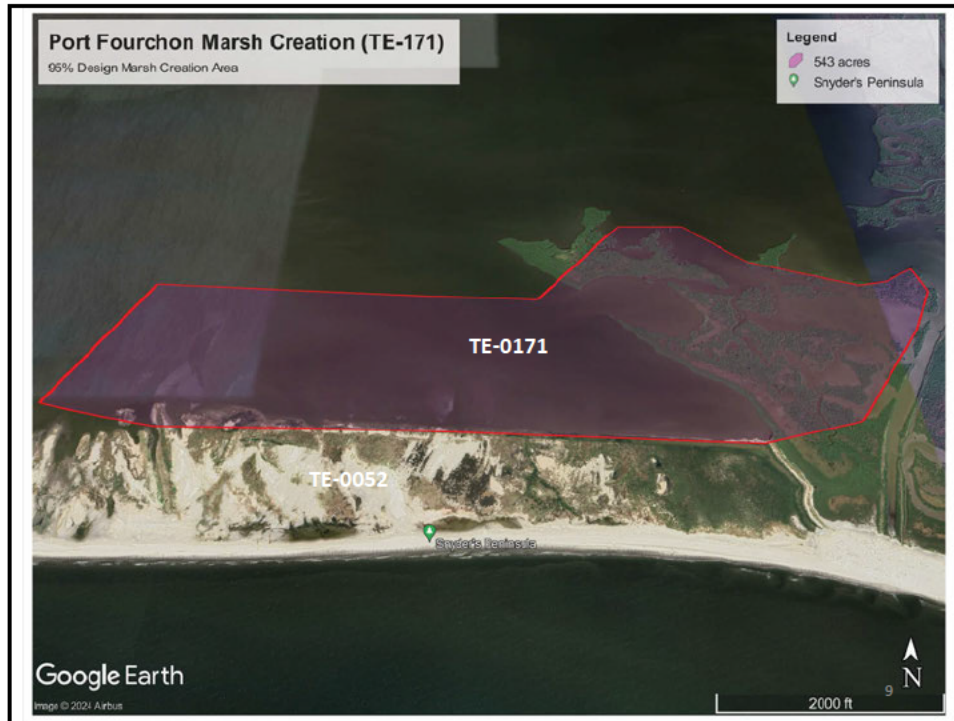
6



7



8



9

CWPPRA SOP - Changes in Project Scope, Variance of +/- 25%

Conditions:

1. Total Project Cost (Fully Funded)
2. Number of net acres created/protected/restored
3. Net AAHUs – N/A at this time
4. Ratio of the total cost to the number of net acres created/protected/restored

10

10

Port Fourchon Marsh Creation (TE-171) 25% Thresholds - Phase 0 Baseline/Proposed

	Marsh Creation Acres	Total Net Acres	Total Fully Funded Cost	Fully Funded CWPPRA cost** (with GLPC Cost Share)	CWPPRA Costs** per net acre
125%	756	563	\$46,344,990	\$37,121,214	\$82,492
Phase 0	605	450	\$37,075,992	\$29,696,971	\$65,993
75%	454	338	\$27,806,994	\$22,272,728	\$49,495

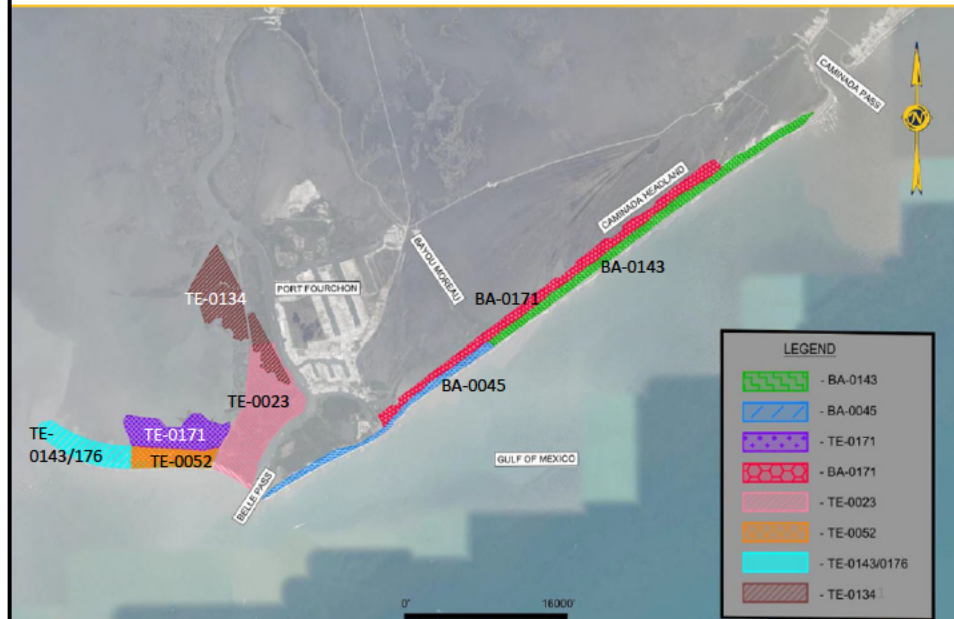
Proposed Scope

Phase 0	605	450	\$ 37,075,992	\$ 29,696,971	\$ 65,993
Proposed	543	412*	\$ 49,976,390***	\$ 39,976,390***	\$ 97,030***
% change	-10%	-8.44%	34.79%	34.61%	47.03%

* net acres updated Sep 2024 ** includes GLPC cost share *** estimated 11

11

Synergy with Multiple Projects



12



13

TE-0171 Scope Change Request/Summary

Marsh Creation Acres	Total Net Acres	Total Fully Funded Cost	Fully Funded CWPPRA cost* (with GLPC Cost Share)	CWPPRA costs* per net acre
543	412	\$ 49,976,390**	\$ 39,976,390**	\$ 97,030**





*includes GLPC cost share ** estimated

Requesting Task Force approval of scope change today


- Proposed 95% footprint maximizes marsh creation
 - 543 acres for less than \$40M (estimated fully funded*)
- Phase 2 Increment 1 Request = \$34,817,213* (estimated)
- TE-0171 is synergistic with multiple projects
 - Protects/extends life of TE-0052
- Capitalizes on GLPC cost-share
- Uses a sustainable borrow source
- Maximizes beneficial use of dredged material

14

14



FOURCHON



TE-0171 Project Team
Thank you
Questions?

READY TODAY.
READY FOR TOMORROW.

15

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

**REQUEST FOR FINAL DEAUTHORIZATION OF TE-157 EAST CATFISH LAKE
MARSH CREATION AND SHORELINE PROTECTION**

For Decision:

FWS and CPRA request the Task Force consider the Technical Committee's recommendation to finalize deauthorization of the TE-157 East Catfish Lake Marsh Creation and Shoreline Protection Project. Initial deauthorization was approved by the Task Force in October 2023. All steps for deauthorization, as per the CWPPRA SOP, have been completed.

CWPPRA

Recommended for Final Deauthorization

Project: TE-157 East Catfish Lake
Marsh Creation and Shoreline
Protection

PPL: 29

Federal Sponsor: FWS

Project Location: Terrebonne
Basin, West of Golden Meadow

Date of 95% Design: N/A

Project Features:

- 306 acres of marsh creation
- 12,479 LF of shoreline protection

1

CWPPRA

Recommended for Final Deauthorization

Project: TE-157 East Catfish Lake
Marsh Creation and Shoreline
Protection

Fully Funded Cost: \$42,277,142

Total Approved Budget:
\$3,376,249 – Phase 1 E&D

Funds Remaining: \$2,372,944

Reason for Deauthorization:

- Effort to Reduce Project Backlog
- Deemed Inconsistent with 2023
State Coastal Master Plan
- Not Eligible for State Cost Share

2



DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT
7400 LEAKE AVENUE
NEW ORLEANS LA 70118-3651

Programs and Project Management Division
Projects and Restoration Branch

The Honorable Bill Cassidy
United States Senate
455 Dirksen Senate Office Building
Washington, DC 20510

The Honorable John Kennedy
United States Senate
437 Russell Senate Office Building
Washington, DC 20510

Dear Senator Cassidy and Senator Kennedy:

The Louisiana Coastal Wetlands Conservation and Restoration Task Force is initiating procedures to deauthorize the Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA) East Catfish Lake Marsh Creation and Shoreline Protection Project, TE-157, (Enclosure 1) as requested by the Federal project sponsor, the United States Fish and Wildlife Service (USFWS), and the local project sponsor, the Louisiana Coastal Protection and Restoration Authority (CPRA). The request was made at the September 7, 2023, CWPPRA Technical Committee Meeting (Enclosure 2). The Task Force preliminarily approved the deauthorization via electronic vote on November 9, 2023.

This 29th Priority Project List project (Enclosure 1) is located in Region 3, within the Terrebonne Basin in Lafourche Parish. The project was deemed inconsistent with the 2023 State Coastal Master Plan and thus the project sponsors are seeking deauthorization.

Prior to making a final decision and in accordance with CWPPRA Standard Operating Procedures, the Task Force will consider written comments on the request to deauthorize the TE-157 project. Written comments should be provided within 30 days of the date of this letter to the following address:

Colonel Cullen A. Jones, P.E., PMP
District Commander
U.S. Army Corps of Engineers, New Orleans District
7400 Leake Avenue
New Orleans, Louisiana 70118

If you need further information, please contact Mr. Durund Elzey, Deputy District Engineer for Programs and Project Management, at Durund.Elzey@usace.army.mil, (504) 862-2204.

Sincerely,



Cullen A. Jones, P.E., PMP
Colonel, U.S. Army
Commanding

Enclosures

Cc: (w/Enclosures)

Mr. Troy Hill
Environmental Protection Agency
Region 6
1201 Elm Street, Suite 500
Dallas, Texas 75270

Mr. Bren Haase
Chairman
Coastal Protection and Restoration
Authority
P.O. Box 44027
Baton Rouge, LA 70804

Mr. Jeffrey Weller
U.S. Fish and Wildlife Service
200 Dulles Drive
Lafayette, LA 70506

Ms. Leslie Craig
National Oceanic and Atmospheric
Administration
1315 East-West Highway, 14th Floor
Silver Spring, MD 20910

Mr. Britt Paul
U.S. Department of Agriculture 3737
Government Street
Alexandria, LA 71302

Senator Bob Hensgens
Chairman
Senate Natural Resources Committee
122 N. State Street
Suite 100
Abbeville, LA 70510

Rep. Jean-Paul P. Coussan
Chairman
House Natural Resources Committee
2508-A Johnston Street
Lafayette, LA 70503

Senator Michael "Big Mike" Fesi
1950 South Van Avenue
Houma, LA 70363

The Honorable Steve Scalise
United States House of Representatives
2049 Rayburn House Office Building
Washington, DC 20515

The Honorable Troy Carter
United States House of Representatives
442 Cannon House Office Building
Washington, DC 20515

The Honorable Clay Higgins
United States House of Representatives
572 Cannon House Office Building
Washington, DC 20515

The Honorable Julia Letlow
United States House of Representatives
142 Cannon House Office Building
Washington, DC 20515

The Honorable Mike Johnson
United States House of Representatives
568 Cannon House Office Building
Washington, DC 20515

The Honorable Garret Graves
United States House of Representatives
2077 Rayburn House Office Building
Washington, DC 20515

Rep. Joseph Orgeron
P.O. Box 1746
Larose, LA 70373

Parish President Archie Chaisson, III
402 Green Street
Thibodaux, LA 70301

Apache Louisiana Minerals, LLC
P.O. Box 206
Houma, LA 70361-0206

Louisiana Land and Exploration Company, LLC
c/o John Harrington
806 Bayou Black Drive
Houma, LA 70360



East Catfish Lake Marsh Creation and Shoreline Protection (TE-157)

Project Status

Approved Date: 2020 **Project Area:** 306 acres
Approved Funds: \$3.37 M **Total Est. Cost:** \$42.2 M
Net Benefit After 20 Years: 248 acres
Status: Engineering and Design
Project Type: Marsh Creation
PPL #: 29

Location

The project is located in Region 3, Terrebonne Basin, Terrebonne Parish.

Problems

Significant marsh loss has occurred east and south of Catfish Lake. Causes of marsh loss include the construction of numerous oil/gas canals, subsidence, and sediment deprivation. Between Catfish Lake and the South Lafourche Hurricane Protection Levee, very little marsh remains after the construction of an extensive network of oil/gas canals. Much of the remaining land in this area consists of spoil banks and isolated patches of marsh. From examination of aerial photography, the majority of this loss occurred during the 1960s and 1970s. Based on the hypertemporal analysis conducted by USGS for the extended project boundary, the land loss rate in the project area is -0.86% per year for the period 1984 to 2019. Shoreline erosion rates (1998-2017) range from 10 ft/yr along the eastern lake shoreline to 22ft/yr along the southern lake shoreline.

Restoration Strategy

The primary goal of this project are; 1) restore marsh habitat in the open water areas east and south of Catfish Lake, and 2) restore and protect the eastern and southern Catfish Lake shoreline. The specific goals of this project are; 1) create 235 acres of marsh, 2) nourish 71 acres of marsh, 3) protect the marsh creation cells from shoreline erosion.

Service goals include restoration/protection of habitat for threatened and endangered species and other at-risk species. This project would restore habitat potentially utilized by the black rail, which is proposed for listing as a threatened species. The project could also benefit other species of concern including the saltmarsh topminnow and seaside sparrow.

Sediment from Catfish Lake will be hydraulically dredged and pumped via pipeline to create/nourish 306 acres of marsh. Dewatering and compaction of dredged sediments should produce elevations conducive to the establishment of emergent marsh and within the intertidal range. Containment dikes will be constructed around each marsh creation cell. Where practicable, material will be borrowed from perimeter oil/gas canals. Containment dikes will be gapped at the end of construction or by TY3. Approximately 2,566 linear feet of sheet pile wall will also be installed as a containment feature. Approximately 12,479 linear feet of shoreline protection (gabion mattresses) will be installed along the lakeside boundary of the marsh creation cells on the constructed containment dikes.

Progress to Date

The project was approved for Phase I Engineering and Design in January 2020.

The project is on Priority Project List (PPL) 29.



Aerial view of marsh creation project in Terrebonne Basin.

For more information, please contact:






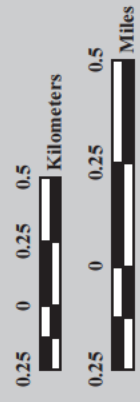
Federal Sponsor:
U.S. Fish and Wildlife Service
Lafayette, LA
(337) 291-3100



Local Sponsor:
Coastal Protection and Restoration Authority
Baton Rouge, LA
(225) 342-4736

East Catfish Lake Marsh Creation and Shoreline Protection (TE-157)

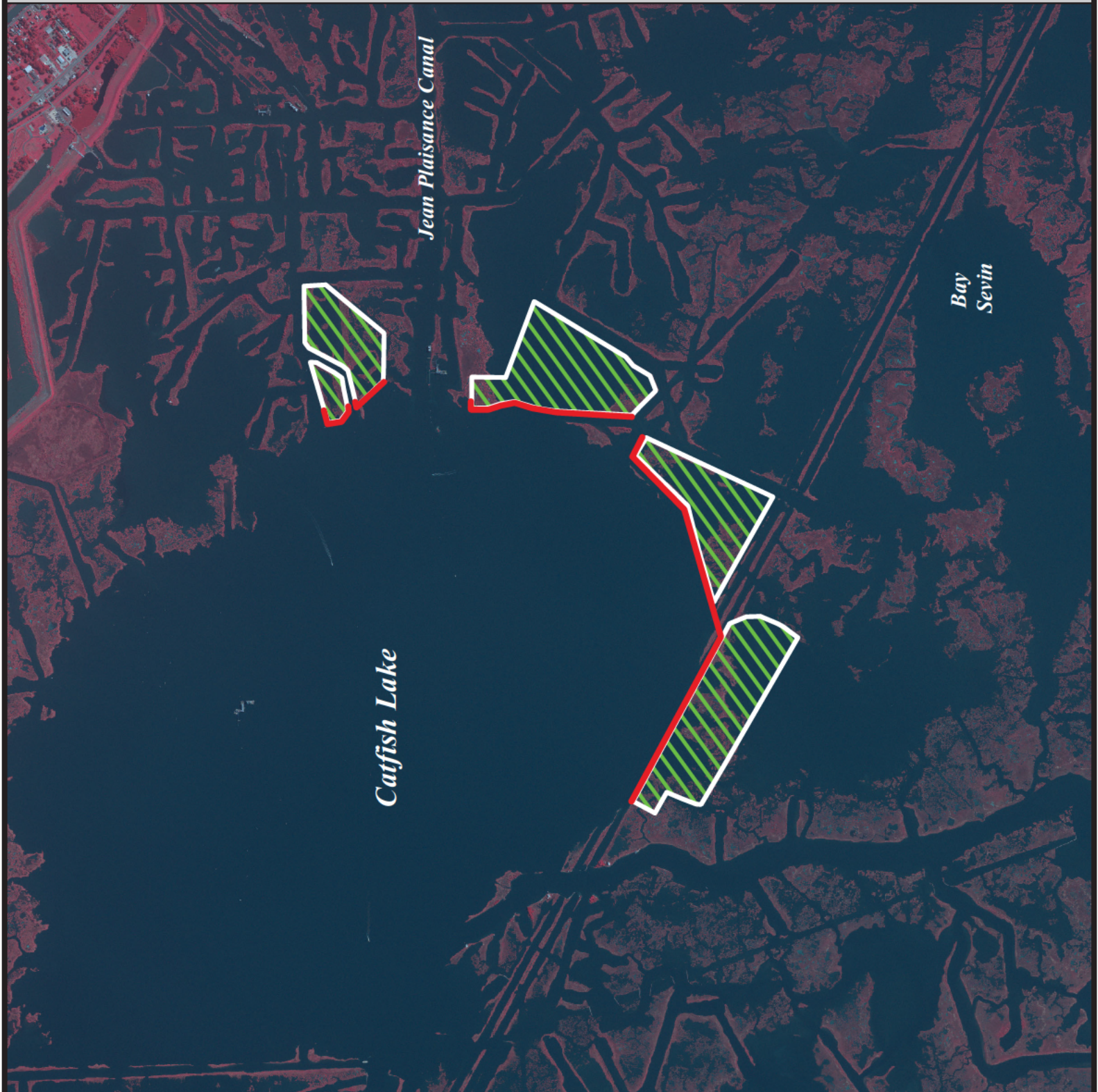
-  Shoreline Protection *
 -  Marsh Creation *
 -  Project Boundary
- *denotes proposed features



Map Produced by:
U.S. Department of the Interior
U.S. Geological Survey
Wetland and Aquatic Research Center
Coastal and Oceans Restoration Branch
Baton Rouge, La.

Background Imagery:
2018 NAIP

Map Date: February 13, 2020
Map ID: USGS-NWRC 2020-11-0013
Data accurate as of: January 30, 2020



COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

**REQUEST FOR A MONITORING BUDGET INCREASE FOR PO-33 GOOSE
POINT/POINT PLATTE MARSH CREATION**

For Report/Decision:

The Task Force will consider the Technical Committee's recommendation of the request by FWS and CPRA for a \$117,725 Monitoring budget increase to fund remaining monitoring administration, a final land-water analysis, and final OM&M report.

MONITORING FUNDING INCREASE REQUEST BEYOND THE APPROVED 20-YEAR BUDGET

GOOSE POINT/POINT PLATTE MARSH CREATION (PO-33)

(1) Project History

(a) Project Description

The Goose Point/Point Platte Marsh Creation (PO-33) project is located in St. Tammany Parish, Louisiana. The project follows the northern rim of Lake Pontchartrain between Fontainebleau State Park and Hwy 11, within the Big Branch Marsh National Wildlife Refuge. Project construction was completed on January 27, 2009.

The objective of the PO-33 project is to replace eroded marsh, nourish existing marsh, and to prevent breaching of the lake rim shoreline. To achieve these objectives, approximately 3.1 million cubic yards of sediment was hydraulically dredged from borrow areas in Lake Pontchartrain and placed in open water areas to create approximately 417 acres of emergent marsh in 5 Marsh Creation Areas (MCAs). MCAs were built to an initial target elevation of +2.5 ft NAVD-88. After compaction, dewatering, and settlement, the marsh platform was anticipated to reach an elevation of +1.08 ft NAVD-88 approximately three years post-construction, and to remain above the mean low water elevation of +0.48 ft NAVD-88 for the remainder of the 20-year project life. In addition to the marsh created within the MCAs, approximately 195 acres outside of the containment dikes benefitted from marsh nourishment. Created marsh areas were planted with smooth cordgrass (*Spartina alterniflora*) after settlement and dewatering for the purpose of stabilizing the marsh platforms.

(b) Work completed to date (previous monitoring events)

- i. Land-water analysis was conducted in 2012 and 2018.
- ii. OM&M Reports were completed in 2014 and 2024.

(c) Original project budget

The original PO-33 monitoring budget was \$0.

(d) Previous monitoring funding increases

2011 - \$111,665 was added to fund land/water analysis

(2) Increase Request

(a) Monitoring increase and increment being requested

\$117,725: total monitoring budget increase; \$54,829: FY25-FY27 monitoring

incremental request

(b) New fully-funded monitoring budget

\$229,390

(c) Description of the proposed monitoring events that will be accomplished with the requested funding

The requested funding will be used to complete the land/water analysis that is already included in the approved monitoring plan and budget. Additionally, funding is requested to write a final OM&M Report in 2029. Funding is also added for Monitoring Administration, which was not included in the original budget. The requested funding will partially or completely fund the items listed below.

FY	Monitoring Events/Needs
2025	Monitoring Administration
2026	Monitoring Administration
2027	Land/Water Analysis; Monitoring Administration
2028	Monitoring Administration
2029	Final OM&M Report; Monitoring Administration

(3) Increase Justification

(a) Summary of project performance over the life of the project

The PO-33 project is a successful marsh creation project that is currently demonstrating a longevity that should well-outlast its 20-year CWPPRA lifespan. Some specific monitoring points of interest are as follows:

- i. The 2018 land-water analysis for the PO-33 marsh creation areas classified 368 ac as land and 59 ac as water, an increase of 9 ac in land acreage as compared to the previous analysis. A comparison of the total acres of land listed in the project goals (417 ac) to the acres of land from the latest land-water analysis (368 ac) demonstrates that the goals have nearly been met. The total acreage of marsh nourishment is somewhat more difficult to quantify. During project design, boundaries for marsh nourishment areas were developed based on the location of existing marsh and expectations of where sediment slurry would reach within these areas. The 2008 CRMS aerial photography obtained during construction, as well as subsequent aerial photography and annual project inspections, suggests that sediment reached well beyond areas that were designated for marsh nourishment during project design, benefitting both existing emergent marsh and shallow open water areas.
- ii. Within the marsh creation areas, the marsh platform has settled to an elevation at post-construction Year 9 (1.40 ft NAVD88) that remains approximately 0.4-ft above the expected elevation at Year 3. This suggests that this marsh should be

sustainable beyond the 20-year design life of the project.

(b) How is the project currently deficient in meeting its goals, and how will this deficiency affect the project area over the remainder of the project life?

A comparison of the total acres of land listed in the project goals (417 ac) to the acres of land within the MCAs from the latest land-water analysis (368 ac) demonstrates that the goals have not yet been met. However, an increase in acreage from the 2012 to 2018 analysis indicate a trend in a positive direction. When coupled with the marsh acreage created outside of the MCAs through uncontained placement in the Marsh Nourishment Areas, the acreage created exceeds the project goal.

The original project budget is deficient in monitoring funding for the following reasons:

1. The monitoring budget did not include funding for OM&M reports.
2. The monitoring budget did not include funding for Monitoring Administration (no funding for CPRA personnel charges).
3. The monitoring budget did not account for indirect cost rates in excess of 200%.

(c) How will the proposed monitoring help the project meet its goals?

Additional funding will be used to complete the monitoring currently in the monitoring plan, support the writing of a final OM&M report, and fund monitoring administrative costs.

CWPPRA Project Mon Budget Adjustment Template

Project Name: Goose Point/Point Platte Marsh Creation (PO-33)
 PPL: 13
 Project Sponsor: FWS

Prepared By: Bryan Gossman, CPRA, NORO
 Date Prepared: 8/8/2024
 Date Revised:

Year	Approved Original Base Line			Obligations to Date			Proposed Revised Estimate and Schedule					
	FY	State Mon & Insp.	Corps Admin	Fed S&A & Insp	FY	State Mon & Insp.	Corps Admin	Fed S&A & Insp	FY	Mon & State Insp.	Corps Admin	Fed S&A & Insp
0	2010				2010				2010			
-1	2011				2011				2011			
-2	2012	\$29,890			2012				2012			
-3	2013				2013				2013			
-4	2014				2014				2014			
-5	2015				2015				2015			
-6	2016				2016				2016			
-7	2017				2017				2017			
-8	2018				2018				2018			
-9	2019				2019				2019			
-10	2020	\$36,704			2020				2020			
-11	2021				2021				2021			
-12	2022				2022				2022			
-13	2023				2023				2023			
-14	2024				2024				2024			
-15	2025				2025	\$136,034			2025	\$145,023		
-16	2026				2026				2026	\$4,492		
-17	2027				2027				2027	\$16,984		
-18	2028	\$45,071			2028				2028	\$4,492		
-19	2029				2029				2029	\$58,399		
Total		\$111,665	\$0	\$0		\$136,034	\$0	\$0		\$229,390	\$0	\$0

SUMMARY:

Original Net Acres	436
Revised Net Acres	436

Approved Mon Budget vs Obligations to Date: Increment Years -0 through -15

Funding Category	Approved Original Mon Baseline	Mon Obligations to Date	Difference
State Mon & Insp.	\$111,665	\$136,034	(\$24,369)
Corps Admin	\$0	\$0	\$0
Fed S&A & Insp	\$0	\$0	\$0
Totals	\$111,665	\$136,034	(\$24,369)

Approved Original Budgeted Mon Funds less Mon Obligations to Date:

Total	Approved Original Mon Baseline	Mon Obligations to Date	Remaining Available Mon Budget
	\$111,665	\$136,034	(\$24,369)

Total Approved Original Budget less Total Proposed Revised Budget

Funding Category	Original Total	Proposed Revised Total	Difference
State Mon & Insp.	\$111,665	\$229,390	(\$117,725)
Corps Admin	\$0	\$0	\$0
Fed S&A & Insp	\$0	\$0	\$0
Total	\$111,665	\$229,390	(\$117,725)

Current Request:

Current Increment Funding Request Year	Current Funding Request Amount
Year -15	\$33,353
Year -16	\$4,492
Year -17	\$16,984
Totals	\$54,829

Original Approved vs Proposed Revised Fully Funded Estimate

Approved Fully Funded Baseline Estimate	Additional Mon funding required for remaining project life	Requested Revised Fully Funded Estimate
\$111,665	\$117,725	\$229,390

Change in Total Cost and Cost Effectiveness:

Fully Funded Cost Estimate % Change	Original Cost Effectiveness	Revised Cost Effectiveness

CWPPRA

Monitoring Budget Increase

Project: PO-33 Goose Point/Point Platte Marsh Creation

PPL: 13


Project Location: Pontchartrain Basin, Big Branch Marsh NWR





Phase 2 Approval: February 2007

Construction Complete: January 2009

Project Features:

- 417 acres of marsh creation in 5 MCAs
- 195 acres of marsh nourishment outside of containment



1

CWPPRA

Monitoring Budget Increase

Project: PO-33 Goose Point/Point Platte Marsh Creation

Current Fully-Funded 20-yr Monitoring Budget: \$111,665


Revised 20-yr Budget: \$229,390





Budget Increase: \$117,725

- Current Deficit: \$24,369
- Remaining Monitoring: \$93,356

Recommendation to Task Force:

- Budget increase of \$117,725 to finish remaining monitoring
 - Land/Water – 2027
 - OM&M Report – 2029
 - Annual Admin costs



2

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

**REQUEST FOR MONITORING BUDGET INCREASE FOR TV-21 EAST MARSH
ISLAND MARSH CREATION**

For Decision:

The Task Force will consider the Technical Committee's recommendation of the request by NRCS and CPRA for a \$199,293 Monitoring budget increase to complete the remaining planned monitoring activities which include data collection and reporting..

**OPERATIONS AND MAINTENANCE FUNDING INCREASE REQUEST
BEYOND THE APPROVED 20-YEAR BUDGET
FACT SHEET FOR
EAST MARSH ISLAND MARSH CREATION
(TV-21) PROJECT**

August 6, 2024

Project Name: East Marsh Island Marsh Creation (TV-21) Project

PPL: 14

Federal Sponsor: NRCS/EPA

Construction Completion Date: July 2011

Projected Project Close-out Date: 2031

1. Project History

a. Description:

The East Marsh Island Marsh Creation (TV-21) Project was constructed in 2011 on the Marsh Island Wildlife Refuge in southeast Iberia Parish, La. This project was designed to restore areas of the island that were lost due to lateral marsh erosion and subsequent land loss due to hurricanes. The project constructed a marsh creation component to restore areas that were previously lost due to these mechanisms. In addition, marsh nourishment deposited new sediments into uncontained marsh areas in the project and provide an influx of nutrients, as well as the benefits of increased elevation. The goals to create and nourish over 1100 acres of marsh have been met. Future monitoring efforts will enable us to determine if the project is meeting the objective of reducing the marsh loss rate by 50% as well as provide a better understanding of settlement dynamics within a created marsh.

b. The original project budget

Originally approved Monitoring budget was \$97,700

c. Previous Monitoring Funding Increases:

Monitoring budget increased to \$369,974 in 2015.

2. Increase Request

a. Monitoring Increment Increase Being Requested

The monitoring budget is \$50,687 ahead of the spending schedule. The cost for the remaining monitoring activities and reporting will require \$195,392. The project has a remaining budget of \$46,786. In order to complete the remaining monitoring activities, CPRA and NRCS are requesting an increase of \$199,293 in monitoring funds.

Total Monitoring Increase for 20-year Project Life

\$199,293

3-year Monitoring Incremental Request

\$135,529

b. New Fully Funded Monitoring Cost Estimate

\$569,267

c. Description of Proposed Monitoring Events to Be Accomplished with the Requested Funding

The requested funding would be used to fund the following items:

- Monitoring Data Summary Report (2025)
- Soil Samples and Analysis (six locations)(2029)
- Hydro Station Contractor (2025/2029)
- CRMS-like Monitoring Sites Data Collection (2025/2029)
- Project Final OM&M Report (2030)

3. Monitoring Fund Increase Justification

a. Summary of Project Performance

See project performance synopsis

b. Summary of Project Deficiency

N/A.

c. How will the Proposed Monitoring help the Project Meet its Goals

This action is needed in order to complete the final monitoring activities and final monitoring report which will evaluate the effectiveness of the project as well as a formal end of life assessment. These data are also being used to inform future marsh creation projects.

CWPPRA Project Mon Budget Adjustment Template

Project Name: Prepared By:
 PPL: Date Prepared:
 Project Sponsor: Date Revised:

Year	Approved Original Base Line				Obligations to Date				Proposed Revised Estimate and Schedule			
	FY	State Mon & Insp.	Corps Admin	Fed S&A & Insp	FY	State Mon & Insp.	Corps Admin	Fed S&A & Insp	FY	Mon & State Insp.	Corps Admin	Fed S&A & Insp
0	2012	\$0			2012				2012			
-1	2013	\$49,944			2013				2013			
-2	2014	\$0			2014				2014			
-3	2015	\$0			2015				2015			
-4	2016	\$19,203			2016				2016			
-5	2017	\$39,600			2017				2017			
-6	2018	\$11,364			2018				2018			
-7	2019	\$0			2019				2019			
-8	2020	\$5,267			2020				2020			
-9	2021	\$109,768			2021				2021			
-10	2022	\$0			2022				2022			
-11	2023	\$12,547			2023				2023			
-12	2024	\$0			to date 2024	\$323,188			2024			
-13	2025	\$24,808			2025				2025		\$323,188	
-14	2026	\$0			2026				2026		\$135,529	
-15	2027	\$0			2027				2027			
-16	2028	\$0			2028				2028			
-17	2029	\$46,245			2029				2029		\$64,887	
-18	2030	\$51,227			2030				2030		\$45,663	
-19	2031	\$0			2031				2031		\$569,267	
Total		\$369,974	\$0	\$0		\$323,188	\$0	\$0		\$0	\$0	\$0

SUMMARY:

Original Net Acres	Revised Net Acres
--------------------	-------------------

Approved Mon Budget vs Obligations to Date: Increment Years -0 through -2

Funding Category	Approved Original Mon Baseline	Mon Obligations to Date	Difference
State Mon & Insp.	\$369,974	\$323,188	\$46,786
Corps Admin	\$0	\$0	\$0
Fed S&A & Insp	\$0	\$0	\$0
Totals	\$369,974	\$323,188	\$46,786

Approved Original Budgeted Mon Funds less Mon Obligations to Date:

Total Approved Original Mon Baseline	Mon Obligations to Date	Remaining Available Mon Budget
\$369,974	\$323,188	\$46,786

Total Approved Original Budget less Total Proposed Revised Budget

Funding Category	Original Total	Proposed Revised Total	Difference
State Mon & Insp.	\$369,974	\$569,267	(\$199,293)
Corps Admin	\$0	\$0	\$0
Fed S&A & Insp	\$0	\$0	\$0
Total	\$369,974	\$569,267	(\$199,293)

Current Request:

Current Increment Funding Request Year -12	Current Funding Request Amount
	\$135,529

Original Approved vs Proposed Revised Fully Fund

Approved Fully Funded Baseline Estimate	Additional Mon funding required for remaining project life	Requested Revised Fully Funded Estimate
\$369,974	\$199,293	\$569,267

Change in Total Cost and Cost Effectiveness:

Fully Funded Cost Estimate % Change	Original Cost Effectiveness	Revised Cost Effectiveness
53.87%	#DIV/0!	#DIV/0!

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

**REQUEST FOR A TRANSFER OF APPROVED MONITORING TO APPROVED O&M
FOR THE (BS-03A) CAERNARVON DIVERSION OUTFALL MANAGEMENT
PROJECT**

For Decision:

The Task Force will consider the Technical Committee's recommendation of the request by NRCS and CPRA for a transfer of \$53,716.16 from approved monitoring to approved O&M to finalize engineering and design for the final O&M close out event. NRCS and CPRA will seek approval of project closeout with a cost increase to execute the final maintenance event at a later date.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

REQUEST FOR FUNDING FOR THE CWPPRA PROGRAM'S TECHNICAL SERVICES

For Decision:

The U.S. Geological Survey (USGS) and CPRA are requesting funding for technical services for the CWPPRA program in the amount of \$275,716. The Task Force is requested to consider the Technical Committee's recommendation to approve the funding for technical services in the amount of \$275,716.



United States Department of the Interior U.S. GEOLOGICAL SURVEY

Wetland and Aquatic Research Center

June 3, 2024
Scope of Work

Technical Services to the CWPPRA Program

Accurate and timely information is critical to large, interagency programs such as CWPPRA for project planning and interacting with the general public. Due to the spatial extent of the CWPPRA program, the number of stakeholders involved, and the amount of Federal and State dollars associated with the program, the continued maintenance of project, GIS, and website data are necessary to ensure the most up to date and accurate data are available. It is the goal of USGS to provide the CWPPRA partners and the public with timely and accurate information about the program and the constructed projects, as well as aid project managers during project reevaluation.

Project Information Database Maintenance Task Description (Task 1):

WARC has created and maintains a real-time, interactive, internet-based data management system, which provides consistent, current programmatic information. This system is comprised of several synchronized database components deployed in various locations which serve specific tasks at their respective location ranging from tracking project costs to progress milestones. This information system is currently working with several CWPPRA databases including Outreach Committee's standardized public project fact sheets, CWPPRA budget analyst reports and databases, the WVA working group spreadsheets, and the USGS CWPPRA project mapping effort. Additionally, the presence of this system allows staff to "database enable" the CWPPRA fact sheets thus allowing the inclusion of real-time information which directly addresses the conflicting information problem.

As security requirements governing federal systems change, there is a need to ensure that the CWPPRA project information database complies with current information exchange policies wherever a database component is deployed.

As the primary mechanism for integrating databases across the five Task Force agencies and the State of Louisiana, this system is critical to ensure consistent, accurate information exchange and dissemination between the many moving parts of CWPPRA and ensures resources are available to address any problems or user needs in a timely manner.

CWPPRA Outreach and Website Content Task Description (Task 2):

In keeping with CWPPRA goals, the outreach group is tasked with informing stakeholders and the public about the status and accomplishments of the CWPPRA restoration program. Through the development of new and innovative content and products that are focused on 3 general themes: 1) value of coastal wetlands, 2) awareness of the Louisiana coastal land loss problem and the need for ecosystem restoration, and 3) inform both national and local target audiences on the strengths and successes of CWPPRA's wetland restoration projects. To achieve these goals, the outreach group continually fosters CWPPRA's interagency model and collaboration with NGOs, academia, and the public through the creation of innovative and engaging outreach products and materials. One of the main communication tools is the CWPPRA website and other social media platforms that allow partners and the general public to communicate with the program. To foster public

awareness of CWPPRA restoration and protection projects, the outreach team is responsible for maintaining and creating new content for the websites and social media platforms including developing public fact sheets and providing status updates on all CWPPRA projects. These informational fact sheets detail each project through every stage of its construction as well as its maintenance and monitoring lifespan within the CWPPRA program. At any time, the public should be able to search for a CWPPRA project to find its location, a comprehensive description of the wetland-related problem, the restoration strategy and its status. These fact sheets are created by the outreach staff in conjunction with project managers from each federal agency and the State of Louisiana. In addition to fact sheets, CWPPRA outreach staff is responsible for continually creating new outreach content that the public will find educational and noteworthy. Some examples include new website content, videos, and social media updates. Since the CWPPRA program is very active and dynamic, the outreach staff is constantly updating and generating new content. This includes updating materials for 508 accessibility and compliance. This task includes responding to website inquiries for more information and requests for educational materials, as well as daily maintenance and updates of text and links.

CWPPRA Website (www.LAcoast.gov) Maintenance Task Description (Task 3):

The CWPPRA website currently provides a continuous online presence for federal/state partners and the general public to access the latest information on CWPPRA, its projects, partners, and other pertinent information related to Louisiana's coastal wetlands conservation and restoration. The LaCoast.gov website is an interface between the public and the program. WARC utilizes web server hardware and software, and continually performs system management, backup and recovery maintenance, and programming efforts for the www.LaCoast.gov website. The steadily increasing online security threats are minimized by performing frequently scheduled internal and external penetration tests and quickly addressing those security concerns found.

GIS Task Description (Task 4):

During Phase I (Engineering and Design phase) of the CWPPRA projects, it may be necessary to reevaluate that project to facilitate a scope change at 30% or 95% design change. Some projects require little geospatial work, while others need evaluations like Phase 0 (Candidate phase). This includes historic land change assessments, project specific land water, shoreline change analysis, and project map creation or editing. Typically, five to eleven projects require this level of evaluation within a fiscal year. As per this agreement, a cap of eleven Phase I WVA project analyses will be performed.

In addition, many projects are approaching their end of project life. Post-project analyses that aid in determining a path forward for the project may be needed. WARC provides the project manager with GIS support that consists of spatial data analyses, maps, graphics, and technical support utilizing the most recent spatial data sets available. Providing these products and services to CWPPRA agencies requires a standardized GIS data management environment and a good deal of coordination with those project managers. More projects are approaching this crossroads, and it is anticipated geospatial analyses in project life decisions will increase over time. This geospatial support shall not exceed the amount of this agreement.

Technical Services for FY25

Description	Cost
Project Information Database Maintenance	\$49,847
CWPPRA Outreach and Website Content	\$73,183
CWPPRA Website (www.LAcoast.gov) Maintenance	\$52,368
GIS Support for CWPPRA Constructed Project Activities	\$100,318
TOTAL	\$275,716
<p><i>Budget increases to Tasks are to keep pace with staff cost increases and a small increase in OH. Task 2: We are asking for an increase due to cost of living and government-wide overhead increases to the portion of the Staffing budget in the construction budget. This totals \$7,182.83. Tasks 1 & 3 budgets will address security vulnerabilities by updating the back-end code, framework, and libraries of the CWPPRA website. With the second phase of a two-part website modernization effort completed, the net change in this budget item decreased, despite the increased cost of addressing the digital threat against .gov websites. The Office of Homeland Security requires continual scanning and modernizing of software code to improve the security posture of the federal government. Task 4 is also asking for an increase due to the cost of living and government-wide overhead increases. This totals \$6,168.</i></p>	

Deliverables:

Project Information Database Maintenance Task 1

- Database hosting and regularly scheduled backups (on and offsite)
- Synchronization scripts for multi-agency database communication
- Update project information and figures
- Programming and database administration
- Federal security review

CWPPRA Outreach and Website Content Task 2

- Public outreach project fact sheet creation and updates
- WaterMarks / Landmarks digital distribution
- Social media development
- Web site content creation and management (articles, pictures, video, etc.)
- Online accessibility as required for 508 ADA compliance
- Website newsflash creation and distribution
- Fulfilling online requests for program information and outreach materials

CWPPRA Website Hardware/Software/Security Maintenance Task 3

- LaCoast website hosting on a federal server
- Website source code maintained in a version control code repository
- CWPPRA website maintained on daily basis
- Maintain LaCoast SSL Certificate
- Maintain CWPPRA email list
- Maintain users/roles for authenticated LaCoast website access (e.g. Project Managers, Outreach Team)
- Provide summary of CWPPRA website activities
- Maintain compliance with the Dept of Homeland Security policies regarding public facing federal servers
 - Perform, respond, and reconcile internal and external penetration tests
 - Maintain web application firewall configuration settings

GIS Task 4

- Phase I projects- updated WVA analysis (Typically 3-5 a year)
- End of project life analysis for constructed projects- as requested
- Fact Sheet maps for In-Phase and newly selected PPL projects

- Miscellaneous geospatial requests for CWPPRA agencies

Points of Contact:

Cole Ruckstuhl
Computer Scientist
USGS - Wetland and Aquatic
Research Center
Lafayette, LA
Email: ruckstuhlc@usgs.gov

Cassie Cuevas
Supervisory Geographer
USGS - Wetland and Aquatic
Research Center
Lafayette, LA
Email: ccuevas@usgs.gov

Kathy Ladner
Physical Scientist
USGS - Wetland and Aquatic
Research Center
Lafayette, LA
Email: ladnerk@usgs.gov

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

**ANNUAL REQUEST FOR INCREMENTAL FUNDING FOR FY27 ADMINISTRATIVE
COSTS FOR CASH FLOW PROJECTS**

For Decision:

The U.S. Army Corps of Engineers will request funding approval in the amount of \$190,457 for administrative costs for cash flow projects beyond Increment 1. The Task Force is requested to consider the Technical Committee's recommendation to approve the request for funds.

**ANNUAL REQUEST FOR INCREMENTAL FUNDING FOR
FY27 ADMINISTRATIVE COSTS FOR CASH FLOW PROJECTS**

For Decision:

The U.S. Army Corps of Engineers will request funding approval in the amount of \$190,457 for administrative costs for cash flow projects beyond Increment 1. The Task Force will consider the recommendation and vote to approve the request for funds for the following projects:

PPL	AGENCY	PROJECT CODE	PROJECT NAME	Annual Request
SUP	USGS	LA-30	CRMS	\$ 2,000.00
SUP	NRCS	LA-328	Programmatic Signage (Navigation Aids)	\$ 2,797.00
2	NRCS	ME-04	Freshwater Bayou Wetland	\$ 3,188.00
3	NRCS	TV-04	Cote Blanche Hydro Rest	\$ 2,371.00
3	FWS	CS-23	Sabine Refuge Structure - Hog Island	\$ 3,292.00
3	NRCS	CS-04a	Cameron-Creole Maintenance	\$ 4,206.00
6	NRCS	TE-34	Penchant Basin Plan	\$ 3,571.00
7	NRCS	BA-27	Barataria Basin Landbridge, Ph 1 & Ph 2	\$ 4,258.00
8	FWS	CS-28-4-5	Sabine Refuge Marsh Creation C4&5	\$ 3,250.00
9	USFWS	ME-16	Freshwater Introduction to Hwy 82	\$ 1,042.00
9	NRCS	TE-39	South Lake DeCade	\$ 2,224.00
9	EPA	TE-37	New Cut Dune	\$ 3,114.00
9	NRCS	CS-29	Black Bayou Bypass Culverts	\$ 3,150.00
10	FWS	CS-32	East Sabine Lake Hydro	\$ 1,414.00
10	FWS	TE-44	North Lake Mechant	\$ 2,063.00
10	NMFS	ME-18	Rockefeller Refuge Shoreline Stabilization	\$ 2,817.00
10	NRCS	TE-43	GIWW Bank Restoration	\$ 3,139.00
10	EPA	BA-34-2	Hydrologic Rest & Veg Lac des Allemands Swamp	\$ 4,103.00
11	NMFS	BA-35	Pass Chaland to Grand Bayou	\$ 1,141.00
11	NMFS	BA-37	Little Lake	\$ 1,188.00
11	FWS	TE-46	West Lake Boudreaux	\$ 2,306.00
11	NRCS	ME-21	Grand Lake - Original Project	\$ 3,150.00
11	FWS	BA-36	Dedicated Dredging on the Barataria Basin LB	\$ 3,323.00
11	NMFS	BA-38	Pelican Island & Pass La Mer BBI	\$ 3,358.00
11	FWS	ME-20	South Grand Chenier	\$ 4,164.00
12	COE	ME-22	South White Lake	\$ 2,866.00
12	EPA	BA-39	Bayou Dupont SDS	\$ 3,367.00
13	FWS	PO-33	Goose Point	\$ 3,254.00
13	EPA	TE-50	Whiskey Island Back	\$ 3,327.00
14	NRCS	BA-41	South Shore of the Pen	\$ 3,052.00
14	NRCS	TV-21	East Marsh Island	\$ 3,506.00
15	FWS	BA-42	Lake Hermitage	\$ 3,576.00
16	NMFS	TE-52	West Belle Pass Barrier	\$ 3,253.00
17	FWS	BS-16	South Lake Lery	\$ 2,731.00
17	NMFS	BA-48	Bayou Dupont Ridge Creation & MR	\$ 3,136.00
18	NMFS	BA-68	Grand Liard Marsh & Ridge Restoration	\$ 3,108.00
18	NRCS	CS-49	Cameron Creole Freshwater Introduction	\$ 6,991.00
19	NRCS	PO-75	LaBranche East Marsh Creation	\$ 1,523.00
19	FWS	TE-72	Lost Lake MC & HR	\$ 2,687.00
20	NRCS	LA-39	Coastwide Vegetative Planting	\$ 3,108.00
20	FWS	CS-54	Cameron-Creole Watershed	\$ 3,963.00
20	FWS	PO-104	Bayou Bonfouca Marsh Creation	\$ 4,067.00
21	FWS	BA-125	Northwest Turtle Bay Marsh Creation	\$ 2,795.00
21	NMFS	CS-59	Oyster Bayou Marsh Restoration	\$ 3,005.00
21	NMFS	TV-63	Cole's Bayou Marsh Restoration	\$ 4,103.00
22	EPA	BA-164	Bayou Dupont SDS Marsh Creation 3	\$ 3,005.00
22	NMFS	CS-66	Cameron Meadows	\$ 3,054.00
23	EPA	BA-171	Caminada Headlands Back Barrier Marsh Creation	\$ 2,944.00
23	NMFS	TE-117	Island Road Marsh Creation and Nourishment	\$ 4,437.00

23 NRCS	ME-32	South Grand Chenier Baker Tract	\$	4,437.00
24 FWS	PO-169	New Orleans Landbridge Shoreline & Marsh Creation	\$	2,888.00
24 NMFS	TE-134	West Fourchon Marsh Creation & Marsh Nourishment	\$	4,375.00
24 NMFS	CS-78	No Name Bayou Marsh Creation & Nourishment	\$	4,375.00
26 FWS	PO-179	St. Catherine Island Marsh Creation & Shoreline Protection	\$	1,457.00
26 NMFS	TE-138	Bayou DeCade Ridge and Marsh Creation	\$	2,885.00
26 FWS	LA-284	Salvinia Weevil Propagation Facility	\$	4,119.00
27 FWS	PO-181	Bayou Cane Marsh Creation	\$	3,124.00
27 FWS	BS-32	Mid Breton Landbridge Marsh Creation and Terracing	\$	3,124.00
27 NRCS	BA-206	Northeast Turtle Bay Marsh Creation and Critical Area Shoreline Protection	\$	3,124.00
28 FWS	BA-217	Grand Bayou Ridge and Marsh Restoration	\$	1,654.00
28 NMFS	BS-37	East Delacroix Marsh Creation and Terracing	\$	1,704.00
28 NMFS	BS-38	Breton Landbridge Marsh Creation	\$	1,704.00

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

REQUEST TO REVISE THE LANGUAGE OF THE 15 NOVEMBER 2023 TASK FORCE ELECTRONIC VOTE TO APPROVE TO FUND THE 2024 REPORT TO CONGRESS IN THE AMOUNT OF \$95,000

For Decision:

The Task Force will consider the Technical Committee's recommendation to revise the language of the 15 November 2023 Task Force electronic vote to fund the 2024 Report to Congress. This revision is needed to ensure the voting language cites Planning Funds as the funding source for this effort and to document the increase to the overall FY24 Planning and Outreach Budget.

Request to revise the language of the 15 November 2023 Task Force electronic vote to approve to fund the 2024 Report to Congress in the amount of \$95,000

There is a need revise the language of the 15 November 2023 Task Force electronic vote to approve to fund the 2024 Report to Congress in the amount of \$95,000. This revision is needed to ensure the voting language cites Planning Funds as the funding source for this effort and to document the increase to the overall FY24 Planning and Outreach Budget.

Original Vote:

“The CWPPRA Task Force approves the Technical Committee’s recommendation for the development of the 2024 CWPPRA Report to Congress be funded in the amount of \$95,000.”

Revised Vote:

“The CWPPRA Task Force approves the Technical Committee’s recommendation to authorize Planning Funds for the development of the 2024 CWPPRA Report to Congress be in the amount of \$95,000. Approval of this request will increase the FY24 Planning and Outreach Budget (approved in May 2023) to \$5,095,000.00.”

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

REQUEST FOR OPERATIONS AND MAINTENANCE (O&M) INCREMENTAL FUNDING

For Decision:

The Task Force will consider the Technical Committee recommendation to approve requests for totally FY27 O&M incremental funding in the amount of \$4,869,200.72.

- a. PPL9+ Projects requesting approval for FY27 O&M incremental funding in the total amount of \$4,512,483.72 for the following projects
- b. PPL1-8 Projects requesting approval for FY27 O&M incremental funding in the total amount of \$356,717 for the following projects

1. Decision: Request for Operations and Maintenance (O&M) Incremental Funding (Brandon Champagne, CPRA) The Technical Committee will consider and vote to make a recommendation to the Task Force to approve requests for totally FY27 O&M incremental funding in the amount of \$4,869,200.72.

a. PPL9+ Projects requesting approval for FY27 O&M incremental funding in the total amount of \$4,512,483.72 for the following projects

- Cameron-Creole Freshwater Introduction (CS-49)
Incremental Funding Request: \$63,526.00
- Cameron-Creole Grand Bayou Marsh Creation (CS-54)
Incremental Funding Request: \$8,821.00
- Cameron Meadows Marsh Creation (CS-66)
Incremental Funding Request: \$5,106.00
- Rockefeller Refuge Shoreline Protection with LA-08 (ME-18)
Incremental Funding Request: \$129,498.00
- Grand-White Lake Landbridge Restoration (ME-19)
Incremental Funding Request: \$639,965.00
- South Grand Chenier Marsh Creation (ME-20)
Incremental Funding Request: \$35,153.00
- South White Lake Shoreline Protection (ME-22)
Incremental Funding Request: \$12,485.00
- Cole's Bayou Marsh Creation (TV-63)
Incremental Funding Request: \$15,707.00
- Little Lake Shoreline Protection and Marsh Creation (BA-37)
Incremental Funding Request (Federal S&A): \$4,466.00

- West Belle Pass Headland Restoration (TE-52)
Incremental Funding Request (Federal S&A): \$3,948.00
- Bayou Decade Ridge Restoration (TE-138)
Incremental Funding Request (Federal S&A): \$5,273.00
- Bayou Dupont Marsh and Ridge Restoration (BA-48)
Incremental Funding Request: \$4,119.82
- Grand Liard Marsh and Ridge Restoration (BA-68)
Incremental Funding Request: \$3,967.79
- Bayou Dupont Sediment Delivery-Marsh Creation 3 (BA-164)
Incremental Funding Request: \$25,932.00
- Pass Chaland to Grand Bayou Pass Barrier Shoreline Restoration (BA-35)
Incremental Funding Request: \$3,161.00

- Pelican Island and Pass La Mer to Chaland Pass Restoration (BA-38)
Incremental Funding Request: \$6,705.11
- Bayou Bonfouca Marsh Creation (PO-104)
Incremental Funding Request: \$175,430.00
- Northwest Turtle Bay Marsh Creation (BA-125)
Incremental Funding Request: \$40,216.00
- Coastwide Nutria Control Program (LA-03b)
Incremental Funding Request: \$2,864,259.00
- Coastwide Vegetative Planting (LA-39)
Incremental Funding Request: \$2,784.00
- CWPPRA Nav Aids and Signage (LA-0328)
Incremental Funding Request: \$461,961.00

b. PPL1-8 Projects requesting approval for FY27 O&M incremental funding in the total amount of \$356,717 for the following projects

- Cameron Creole Maintenance (CS-04a)
Incremental Funding Request: \$300,646.00
- Sabine Refuge Marsh Creation Cycles 4 & 5 (CS-28-4-5)
Incremental Funding Request: \$8,152.00
- Delta Wide Crevasses (MR-0009)
Incremental Funding Request: \$47,919

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

REQUEST FOR MONITORING INCREMENTAL FUNDING

For Decision:

The Task Force will consider the Technical Committee recommendation to approve FY27 incremental funding in the total amount of \$11,685,853 and Monitoring budget increases in the amount of \$317,018.

- a. PPL9+ Projects requesting approval for FY27 Monitoring incremental funding in the total amount of \$1,425,474 and Monitoring budget increases in the total amount of \$317,018 for the following projects
- b. PPL1-8 Projects requesting approval for FY27 Monitoring incremental funding in the total amount of \$260,379 for the following projects
- c. Coastwide Reference Monitoring System (CRMS) requesting approval for FY27 incremental funding in the total amount of \$10,000,000

2. Decision: Request for Monitoring Incremental Funding (Brandon Champagne, CPRA) The Technical Committee will consider and vote to make a recommendation to the Task Force to approve FY27 Monitoring incremental funding in the total amount of \$11,685,853 and Monitoring budget increases in the amount of \$317,018.

- a. PPL9+ Projects requesting approval for FY27 Monitoring incremental funding in the total amount of \$1,425,474 and Monitoring budget increases in the total amount of \$317,018 for the following projects
- Coastwide Vegetative Planting (LA-39)
Incremental Funding Request: \$93,664.00
 - Black Bayou Culverts Hydrologic Restoration (CS-29)
Incremental Funding Request: \$44,155.00
 - East Marsh Island Marsh Creation (TV-21)
Incremental Funding Request: \$135,529.00
Budget Increase Request: \$199,293.00
 - Cameron-Creole Freshwater Introduction (CS-49)
Incremental Funding Request: \$33,427.00
 - Cameron-Creole Watershed Grand Bayou Marsh Creation (CS-54)
Incremental Funding Request: \$99,655.00
 - Cameron Meadows Marsh Creation and Terracing (CS-66)
Incremental Funding Request: \$85,102.00
 - Cole's Bayou Marsh Creation (TV-63)
Incremental Funding Request: \$23,170.00
 - South Grand Chenier Marsh Creation (ME-20)
Incremental Funding Request: \$126,812.00
 - Rockefeller Refuge Gulf Shoreline Stabilization (ME-18)
Incremental Funding Request: \$84,674.00
 - Northwest Turtle Bay Marsh Creation (BA-125)
Incremental Funding Request: \$52,520.00
 - Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
Incremental Funding Request: \$10,661.00
 - Hydrologic Restoration and Vegetative Planting in the Lac des Allemands Swamp (BA-34-2)
Incremental Funding Request: \$72,252.00
 - Lake Hermitage Marsh Creation (BA-42)
Incremental Funding Request: \$6,168.00
 - Bayou Dupont Marsh and Ridge Creation (BA-48)
Incremental Funding Request: \$3,903.00
 - Bayou Dupont Sediment Delivery- Marsh Creation and Terracing #3 (BA-164)
Incremental Funding Request: \$19,101

- South Lake Lery Marsh Creation and Shoreline Protection (BS-16)
Incremental Funding Request: \$32,007
 - Pass Chaland To Grand Bayou Pass Barrier Shoreline (BA-35)
Incremental Funding Request: \$137,874.00
 - Pelican Island and Pass la Mer to Chaland Pass (BA-0038)
Incremental Funding Request: \$178,343.00
 - Goose Point/Point Platte Marsh Creation (PO-33)
Incremental Funding Request: \$54,829.00
Budget Increase Request: \$117,725.00
 - Coastwide Nutria Control Program (LA-03b)
Incremental Funding Request: \$131,628
- b.** PPL1-8 Projects requesting approval for FY27 Monitoring incremental funding in the total amount of \$260,379 for the following projects
- Cameron Creole Maintenance (CS-04a)
Incremental Funding Request: \$202,705.00
 - Replace Sabine Refuge Water Control Structures at Headquarters Canal, West Cove Canal, and Hog Island Gully (CS-23)
Incremental Funding Request: \$48,243.00
 - Delta Wide Crevasses (MR-09)
Incremental Funding Request: \$9,431.00
- c.** Coastwide Reference Monitoring System (CRMS) requesting approval for FY27 incremental funding in the total amount of \$10,000,000.00
- Coastwide Reference Monitoring System (LA-30)
Incremental Funding Request: \$10,000,000

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

REPORT: PRIORITY PROJECT LIST 34, PROJECTS FOR CONSIDERATION

For Report:

Per the PPL34 process, the Technical Committee selects up to ten projects for consideration. Because of landowner issues impacting access, project evaluation, and the ability to conduct engineering and design activities in Phase 1, two candidate projects have been removed from consideration. Southeast Lafitte Marsh Creation and West Dupre Cut Marsh Creation were removed from consideration as PPL 34 candidates
Projects for consideration:

Wood Lake Marsh Creation and Terracing – NRCS

East Lake Lery Shoreline Restoration – FWS

Bayou L'Ours Ridge Restoration & Marsh Creation – NRCS

Elmer's Island Restoration – NMFS

Grand Chenier Marsh Creation– NRCS

Eastern Terrebonne Landbridge Marsh Creation Incr. 1 – FWS

South Isles de Jean Charles Landbridge Increment – NRCS

Gulf Shoreline Protection West – FWS

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

ADDITIONAL AGENDA ITEMS

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

REQUEST FOR PUBLIC COMMENTS

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

DATE OF UPCOMING CWPPRA PROGRAM MEETING

For Announcement:

The Technical Committee meeting will be held December 12, 2024 at 9:30 a.m. at the U.S. Army Corps of Engineers, District Assembly Room, 7400 Leake Avenue, New Orleans, LA.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 3, 2024

SCHEDULED DATES OF FUTURE PROGRAM MEETINGS*

For Announcement:

December 12, 2024	9:30 a.m.	TASK FORCE MEETING	New Orleans
January, 23 2025	9:30 a.m.	Task Force	Lafayette

*Dates are subject to change. Please check with lacoast.gov for the latest calendar.