

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

MAY 4, 2023

MEETING INITIATION

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

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ADOPTION OF MINUTES FOR THE JANUARY 26, 2023 TASK FORCE MEETING

For Decision:

Brad Inman 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
26 January 2023
Minutes

I. INTRODUCTION

Colonel Cullen Jones convened the 107th meeting of the Louisiana Coastal Wetlands Conservation and Restoration Task Force. The meeting began at 9:30 a.m. on January 26, 2023. The meeting was conducted in the Board Room of the U.S. Army Corps of Engineers, DARM, 7400 Leake Ave., New Orleans, 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. Troy Hill (EPA, Region 6) sitting for Charles Maguire
Mr. Chad Kacir (NRCS, for the U.S. Department of Agriculture)
Mr. Chris Doley (NOAA Fisheries Service, for the U.S. Department of Commerce)
Mr. Jeffrey Weller (USFWS, for the U.S. Department of Interior)
Mr. Bren Haase (CPRA, for the State of Louisiana)

III. OPENING REMARKS

Colonel Jones introduced himself as the recently installed (65th) Commander of the USACE – New Orleans District, serving as chairperson of the CWPPRA Task Force. He began by remarking that over the last thirty years the CWPPRA program has invested in projects which have yielded a net benefit of more than 100,000 acres along Louisiana's coast. Col. Jones expressed his appreciation for and formally welcomed all in attendance. He reviewed emergency exit protocol and indicated the location of breakroom facilities. Col. Jones then invited Task Force members to introduce themselves; they did so in turn, with Mr. Haase extending words of formal welcome to Col. Jones. Task Force attending members are listed above.

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. Hill made the motion, which Mr. Kacir seconded; the motion carried without opposition.

Colonel Jones called on Alice Kerl, USACE, to iterate the procedure for public comment within this hybrid meeting format. Ms. Kerl did so for those in person and attending virtually; she also asked those attending in person to sign in for the record.

Colonel Jones called on Sarah Bradley, USACE, to present minutes of the last Task Force meeting. Ms. Bradley 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 the public; none were proffered.

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

V: TASK FORCE DECISIONS

Agenda Item #9 – Report/Decision: Status of the Navigation Aids and Signage (LA-328) Program and Request for a Budget and Incremental Funding Increase (Brandon Champagne)

Brandon Champagne (CPRA) began his report with a reminder that this project was approved in January 2022 in order to maintain existing Navigational Aids on closed CWPPRA projects. There are currently about 13 CWPPRA projects that now employ Navigational aids, a number which will undoubtedly increase as more projects are implemented and reach end of life. Each project requiring navigational aids necessitates detailed implementation procedures to ascertain costs and develop cost-share agreements, define specific nav-aid features and bid specifications, and acquire landrights agreements for the placement of and to assure access to the nav-aids for O&M. The cost of landrights procurement for the existing projects is an estimated \$1.7 million, considerably higher than the original cost approved, mainly due to unforeseen legal/private access issues. Mr. Champagne provided individual estimates of and justification for costs to secure landrights for each of the existing projects. This budget increase and incremental funding request is needed to secure the necessary landrights for existing projects. Future costs of landrights acquisition would (ideally) be considered during initial project planning and calculated into total project costs of proposed CWPPRA projects.

After a brief overview of other cost-saving options, Mr. Champagne formally requested a budget increase in the amount of \$880,000 to obtain (and complete) current landrights for LA-328.

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

Col. Jones called for a motion to authorize the Budget and Incremental Funding increase of \$880,000 for O&M to complete landrights agreements acquisition and to implement LA-328. Mr. Weller made the motion, which Mr. Kacir seconded; the motion carried without opposition.

Agenda Item #10 – Decision: Request for a Scope Change and a Budget Increase for the CWPPRA FY23 Outreach Planning Budget for the Nicholls University Partnership Opportunity (Lauren Leonpacher, USGS)

Lauren Leonpacher (USGS) began the request by explaining that CWPPRA Outreach was approached by Nicholls State University (NSU) to establish a partnership with the conceived

Nicholls Coastal Center (NCC) – a planned research and educational facility intended to support and pursue protection, restoration, and adaptation efforts in Coastal Louisiana. Ground-breaking is anticipated in March 2023; projected completion is spring 2024. Construction is being funded by CPRA. The chosen location optimizes its access on Nicholls State University campus and to the surrounding community. The conceptual design includes research and engineering laboratories, exhibit space, conference and training spaces, and offices. CWPPRA and BTNEP (among other unspecified agencies) have been invited to invest in the exhibit space. Ms. Leonpacher provided details of the partnership, describing a professionally curated exhibit space dedicated to CWPPRA for 7-10 years, the content of which would be determined by CWPPRA. A one-time CWPPRA investment of \$77,000 would also include the availability of meeting/event space and require no operation and maintenance from CWPPRA staff. Collaboration with BTNEP could potentially result in leveraging of collective funding. Although final components of the contract have not been negotiated, Ms. Leonpacher iterated multiple benefits to be gained from this partnership with Nicholls University. She finally suggested that funding could potentially come from unused Outreach funds (since 2019) that have been returned to the Planning budget. She thus made the formal request for an Outreach Planning Budget increase for FY23 in the amount of \$77,000.

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

Col Jones called for public comments. John Doucet, representing NSU, voiced to encourage support of CWPPRA involvement with the proposed Coastal Center, speaking with enthusiasm about the potential of the center to raise awareness of coastal issues, and declaring that NSU is “in the business” of producing future environmental professionals. No other comments were proffered.

Col. Jones called for a motion to authorize the Outreach Planning Budget Increase of \$77,000 for FY23. Mr. Doley made the motion, which Mr. Weller seconded; the motion carried without opposition.

Agenda Item #11 – Request for a No-Cost Increase, 20-Year Project Life Extension on the West Bay Sediment Diversion (MR-03) Project and a Transfer of Funding from O&M to Monitoring (Terri Von Hoven, USACE)

Terri Von Hoven, USACE, was called upon to present the next agenda item concerning MR-03, a PPL-1 project which reaches its 20-year end-of-life in November 2023. The project is located on the west bank of the Mississippi River in Plaquemines Parish approximately 4.7 miles north of Head of Passes. Originally, \$50.8 million was authorized to construct an uncontrolled diversion channel with an average river sediment discharge of 20,000 cfs. A secondary interim channel was modified to accommodate a sediment discharge of 50,000 cfs. A net acreage of 9,800 acres was anticipated. Throughout the project life maintenance events occurred in order to strategically place sediment retention devices (SREDs – i.e., engineered islands). By 2016, in a depth analysis report (USACE Mobile District) estimated that 12.5 million cf of sediment could be attributed to sediment retention (external of sediment placement). Studies show that high or low river flow affects where sediment tends to settle and confirm the efficacy of the SREDs. Studies confirm the overall success of the project with a reduction in open water acreage, an increase in aquatic vegetation, and an increase in land mass within the project boundary. Elevation surveys further demonstrate shallower conditions which are more conducive to land-accretion and emergent vegetation. All data supports the assumption that positive land gains will continue for

the duration of the project extension. Dr. Von Hoven went on to demonstrate the cost-effectiveness of the program – over the course of the 40 years (if this 20- year extension is granted) net acreage could total 4,759 at an average cost of \$10.2 thousand dollars per net acre. Lastly, she pointed out that the extension would result in no additional costs to the CWPPRA Program, but that remaining O&M funds could be transferred to Monitoring for continued observation and analysis. Available funds total \$5,820,220 and the projected cost estimate for the 20-year extension is \$3,726,087; an estimated \$2,094,133 could potentially be returned to the CWPPRA Program at the end of the extension. Dr. Von Hoven provided a comprehensive review of the CWPPRA Program’s 20-Year Decision Matrix, thus justifying this request for a No Cost Increase 20-year Project Life Extension, and a Transfer of Funding from O&M to Monitoring for MR-03.

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

Col. Jones called for a motion to approve the No Cost Increase 20-year Project Life Extension for MR-03. Mr. Doley made the motion, which Mr. Kacir seconded; the motion carried without dissent.

Col. Jones called for a motion to approve Transfer of Funding from O&M to Monitoring for MR-03. Mr. Hill made the motion, which Mr. Doley seconded; the motion carried without dissent.

Agenda Item #12 – Decision: Request for an O&M and a Monitoring Budget Increase and Funding Allocation for the Holly Beach Sand Management (CS-31) Project (Kent Bollfrass, CPRA)

Kent Bollfrass, CPRA, did not make a formal presentation, asserting that all details are provided in the Task Force binders. On behalf of CPRA and NRCS, he simply iterated the request for an O&M budget increase of \$5,3347.81 and a Monitoring budget increase of \$371.21 in order to reconcile the budget prior to project closeout.

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

Col. Jones then called for a motion to approve the Request for an O&M and a Monitoring Budget Increase and Funding Allocation for the Holly Beach Sand Management (CS-31) in the amounts specified. Mr. Kacir made the motion, which Mr. Weller seconded; the motion carried without dissent.

Agenda Item #13 – Decision: Request for a Transfer of Approved Monitoring to Approved O&M, an O&M Budget Increase, and O&M Incremental Funding for the GIWW to Clovelly Hydrologic Restoration (BA-02) Project (Daniel Dearmond, CPRA)

Kent Bollfrass presented this request on behalf of Mr. Dearmond. Like the previous request, albeit “multi-step” scenario, Mr. Bollfrass asserted that this request is necessary in order to proceed toward project closeout. He specified the request as follows: a) an O&M budget increase of \$195,563.13, and b) a transfer of \$217,799.88 in available funds from the Monitoring budget to the O&M budget, and c) approval of the total of \$525,201.01 in Incremental Funding for BA-02.

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

Col. Jones called for a motion to approve the Request for a \$217,799.88 Transfer of funds from Monitoring to O&M, for an \$195,563.13 O&M Budget Increase, for a total O&M Incremental Funding Request in the amount of \$525,201.01 for the GIWW to Clovelly Hydrologic Restoration (BA-02) Project. Mr. Hill made the motion, which Mr. Kacir seconded; the motion carried without dissent.

Agenda Item #14 – Report/Decision: Request for Phase II Authorization and Approval of Phase II Increment 1 Funding (Sarah Bradley, USACE)

During December 2022 proceedings, the Technical Committee reviewed project information, took public comments, and voted on projects seeking Phase II approval. Highlighted in the table below are the projects that received the highest rankings as the result of voting during those proceedings. Ms. Bradley recited them according to ranking results.

CWPPRA Technical Committee Ranked list for Phase II Approval, Dec 2022

	Rank	Phase 2, Increment 1 Request
BS-37 East Delacroix Marsh Creation and Terracing (PPL28)	1	\$37,634,359
BA-217 Grand Bayou Ridge and Marsh Restoration (PPL28)	2	\$47,710,957
TE-117 Island Road Marsh Creation and Nourishment (PPL23)	3	\$29,204,548
PO-181 Bayou Cane Marsh Creation (PPL27)	4	\$36,648,434
BS-42 Phoenix Marsh Creation - East Increment (PPL29)	5	
PO-179 St. Catherine Island Marsh Creation and Shoreline Protection (PPL26)	6	
ME-31 Freshwater Bayou Marsh Creation (PPL19)	7	
CS-79 Oyster Lake Marsh Creation and Nourishment (PPL25)	8	

\$151,198,298

NOTES:

Projects were ranked collaboratively by the agencies

Jennifer Smith, NOAA Fisheries, initiated the presentations with BS-37 East Delacroix Marsh Creation and Terracing. The project was chosen as a PPL28 Candidate in January 2018, received Phase I funding in January 2019. Design Meetings (30% and 95%) were conducted in May and October 2022 respectively. The project is located immediately eastward of the Delacroix community – an area which has in the last 17 years (according to USGS satellite imagery) been converted by natural and man-made forces to mostly open water. Primary project features are two areas of confined marsh creation and nourishment (414 acres), 18,800 LF of terracing (a “field” to the east, and one long terrace northward) adjacent to the marsh creation area. This project is

geographically central to several others (in various phases of construction) along the Bayou Terre aux Boeufs Ridge. The request today is for approval of \$37.6 million in Phase II Increment I funding.

Kristen Ramsey, FWS, provided a summary of BA-217 Grand Bayou Ridge and Marsh Restoration – Increment I. The project is located on the west side of the Mississippi River, along the west bank of Grand Bayou, and is therefore consistent with the Master Plan goal. Planned project features include two marsh creation cells (249 acres) flanked by restored forested ridge (8,500 LF) along Grand Bayou. BA-217 is adjacent to two other projects – BA-42 northward and BA-240 westward – which are in various phases of construction, and it aligns with BA-257 southward – a PPL 31 project approved for Phase I funding. It will utilize the same pipeline corridor and capitalize on the West Pointe al la Hache Siphons, which introduce freshwater and nutrients into the marsh area. A cost-saving opportunity is possible if mobilization & demobilization of equipment can coincide with construction activities at BA-240. Today's Phase II Increment I funding request is for \$47,710,957.

Patrick Williams, NOAA Fisheries, gave an overview of TE-117 Island Road Marsh Creation and Nourishment. The project lies in eastern Terrebonne Basin – an area repeatedly impacted by hurricane activity, and for which construction of a protective landbridge has long been conceptualized. This project is the first (proposed along this landbridge concept) to receive preliminary construction funding approval (i.e. the Technical Committee's recommendation.) Project features are three confined marsh creation cells oriented almost centrally to Isle de Jean Charles (westward), Point aux Chiens (north-eastward), and Island Road (northward). It is adjacent (southward) to the Twin Pipeline corridor. A total of 295 acres of marsh creation and nourishment (utilizing dredge material from Lake Tambour) would provide protection of the communities and infrastructure and begin the process of rebuilding marsh along this design concept. The project meets CWPPRA criteria for critical need, cost-effectiveness, synergy, and provides resiliency for underserved cultural, commercial and residential concerns. Therefore, \$29.2 million is requested for Phase II Increment I funding.

Kristen Ramsey, FWS, made the last presentation – PO-181 Bayou Cane Marsh Creation. The project is located within the Upper Pontchartrain Basin along the northeastern shoreline of Lake Pontchartrain between Mandeville and Lacombe. The land (an approximate six-mile stretch) is primarily owned by the state or by the Big Branch NWR. The project goals are to construct seven confined marsh creation cells utilizing dredged material from the lake. The project will work synergistically with the Goose Point project (PO-33) and the Bayou Bonfouca project (PO-104), almost doubling the linear span of shoreline protection northward. The project meets CWPPRA criteria, most notably cost-effectiveness as it relates to AAHUs and acreage. Thus, the request for approval is \$36,648,434 for PO-181 Phase II Increment I funding.

Col. Jones invited Task Force comments or questions between each presentation; none were proffered. He invited public comment after all presentations had been made. Mart Black, Coastal Restoration Director for Terrebonne Parish spoke in full support of TE-117, reiterating the ongoing (and critical) land loss rates, and the long-term concern and broad-based support for establishing a framework of restoration projects in the region. No further comments or questions were proffered.

Col. Jones called for a motion to approve the selected projects for Phase II Authorization and Phase II Increment I Funding. Mr. Doley made the motion, which Mr. Kacir seconded; the motion carried without dissent.

Agenda Item #15 – Report/Decision: 32nd Priority Project List (Kristen Ramsey, FWS)

Kristen Ramsey, FWS, began by illustrating the locations of the ten candidate projects as they are distributed across the state. In December 2022 the Technical Committee selected two of the ten; those voting results were displayed in tabular format. Ms. Ramsey summarized the location, scope, goals, and anticipated fully funded costs of the two candidate projects. The request today being recommended by the Technical Committee is for Phase I approval of the PPL 32 projects as listed:

• Yscloskey Marsh Creation (Breton Sound Basin)	FWS	\$3,741,913
• Northwest Little Lake Marsh Creation (Barataria Basin)	FWS	<u>\$3,455,646</u>
	(total)	\$7,197,559

Col. Jones commended Ms. Ramsey, the stakeholders, project contributors at the federal, state and university levels for their efforts in defining future projects. He called for questions or comments from the Task Force and the public; none were proffered.

Col. Jones then called for a motion to approve the selected PPL-32 projects for Phase I authorization, and approval of Phase I funding which totals \$7,197,559. Mr. Weller made the motion, which Mr. Kacir seconded. The motion carried without dissent.

VI. INFORMATION

Agenda Item #3 – Report: Status of CWPPRA Program Funds and Projects (Baylissa Walter, USACE)

Ms. Baylissa Walter, USACE, presented an overview of CWPPRA funds. The fully funded total Program Estimate since its inception to the present (authorized projects from PPLs 1 – 31) is \$3.272 billion. The total funded estimate (received since inception through FY2023) is \$2.605 billion, leaving a potential gap of \$667 million if the Program were to construct and maintain all projects to date. Current Task Force-approved funding for projects in Phase I, Phase II, and O&M and Monitoring totals \$2.428 billion. The current estimate of total allocated funding to agencies for individual projects totals \$2.102 billion. Thus, allocated funds for construction do not exceed funding received.

Ms. Walter next presented the Total Program Estimate as it would be if proposed budget increases and new funding requests are approved at these proceedings. Beginning with the current Total Program Estimate of \$3,271,870,445.53, the Task Force will be asked to consider \$1,081,282.15 in budget increases, and \$105,323,736.00 in new project phase authorizations. If approved, the new Total Program Estimate would total \$3,378,275,463.68.

Ms. Walter then iterated current construction funding availability. The CWPPRA Program has \$128,261,824 of funding carried forth from the October Task Force meeting. Anticipated DOI funding for FY23 amounting to \$89,642,066 has been authorized (but not yet received). Thus, a net total of \$217,903,890 is available for today's proceedings. The Task Force will consider funding recommendations today – four projects for Phase II, Increment I funding, two PPL-32 projects for Phase 1 funding, and three budget increases – which total \$159,806,777.03. Only the federal percentage (\$135,835,760.34) will be deducted from the available funds, leaving a balance of \$82,068,130.

Ms. Walter concluded with the overall Project Status graphic. CWPPRA has authorized 234 projects. The 129 active projects include 27 in Phase 1 Engineering and Design, 22 in Phase 2 Construction, 74 projects in the O&M and Monitoring phase, and 40 projects that have been completed and closed financially. Additionally, CWPPRA has deauthorized 49 projects, transferred 10 projects, and placed 5 in the inactive category. There are 6 technical support projects, which include Coastwide Reference Monitoring System (CRMS), monitoring contingency, storm recovery, Construction Program technical support, the wetland conservation plan, and Programmatic Signage.

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

Agenda Item #4 – Report: Electronic Votes and Approvals (Sarah Bradley, USACE)

Col. Jones called upon Sarah Bradley to present results of recent electronic voting. Ms. Bradley announced that on November 17, 2022, the Technical Committee approved for recommendation the following scope changes:

BA-217 Grand Bayou Ridge and Marsh Restoration
BS-42 – Phoenix Marsh Creation (West Increment)
BS-44 Phoenix Marsh Creation (East Increment)
ME-31 Freshwater Bayou Marsh Creation

On December 5, 2022, also in electronic voting, Task force approved the above scope changes as recommended.

Col. Jones opened the floor for Task Force and public comments; none were proffered.

Agenda Item #5 – Report: Construction Update (Sarah Bradley, USACE)

Col. Jones called upon Ms. Bradley to present the Construction Report. Ms. Bradley in turn called upon agency representatives to provide the following construction status reports:

Robert Dubois, FWS, began with a construction update for South Grand Chenier Marsh Creation project (ME-21), a PPL-11 project with the dubious distinction of being the oldest unconstructed CWPPRA project history. The project site is in Cameron Parish, south of Hwy 82, adjacent to and west of the Rockefeller Refuge. Construction was completed in October 2022 and consists of two confined cells totaling 364 acres, two unconfined areas of fill totaling 26 acres, and the installation of earthen plugs in an area adjacent to the Gulf of Mexico (where dredge pipe was placed.) Articulated concrete mats (ACMs) were not installed as planned (to protect the earthen plugs) for several reasons: a) sediment accumulation adjacent to the earthen plugs resulted in the

natural formation of (protective) sandbars, b) an anticipated Gulf Shore project will provide incidental protection for the earthen plugs, and c) transport of the ACMs to the site would have damaged or destroyed existing marsh. Mr. Dubois provided pictorial evidence of the completed project, noting that while the confined areas are holding water (due to a heavy rainfall event preceding the photo acquisition), the dikes remain intact. He also provided pictures of the earthen plugs and naturally occurring sandbars. The final inspection was conducted in November 2022; final construction cost was \$15,137,410.

Ms. Kristen Ramsey, FWS, provided an update for the New Orleans Landbridge Shoreline Stabilization and Marsh Creation project (PO-169). She began by acknowledging the project team and project partners. The project consists of three marsh creation areas (MCAs) -- two along either side of Hwy 90 and the third at Bay Jaune Point – totaling 253 acres. The other feature is armored earthen containment dikes providing 15,900+ linear feet (LF) of shoreline protection along the outer perimeter of the marsh creation cells. The PPL-24 project was approved for Phase II construction in 2019; the Notice to proceed (NTP) was issued in November 2021. Construction began in December 2021. Earthen containment dikes and placement of ACMs has been completed. Dredging and fill operations have commenced at MCAs 1 and 3 utilizing borrow from Lake Pontchartrain and Lake St. Catherine respectively. Commencement of operations at MCA 2 are anticipated in February 2023; project completion is predicted in March 2023. Due to favorable bids, construction costs are an expected \$11,682,274 – about \$4 million less than the approved budget.

Col. Jones opened the floor for Task Force. Bren Haase, CPRA, appreciation for the updates, which he can share with colleagues and stakeholders across the state. He specifically commended the ME-21 project team for contending with the problems associated with the project over the years, and persevering in their quest to see the project through to completion.

Col. Jones opened the floor for public comments; none were proffered.

Agenda Item #6 – Report: Public Outreach Committee Report (Lauren Leonpacher, USGS)

Lauren Leonpacher, CWPPRA Outreach Coordinator, highlighted numerous activities, projects and events that the Outreach team was involved in from October 2022 – January 2023:

- The Team co-sponsored the Restore America Estuarine Conference held in October in New Orleans. Several CWPPRA agencies were involved. It was an opportunity to disseminate information about and promote the CWPPRA Program model; attendees came from across the U.S. and Canada. Team efforts included organizing and facilitating a session highlighting environmental education efforts of several “sister” agencies (CPRL, Sea Grant, and others).
- *WaterMarks360* online publication has marked its one-year anniversary of existence with on-going success apparent by the number of users (across numerous states), student guide downloads, positive feedback from educators and communities. She announced the next *WaterMarks360* project entitled *Our Changing Delta*, which focuses on the BS-11 Delta Management at Ft. St. Phillip project. The curriculum (in its final stages of development) includes informational videos, student guides, and an event-based card game, to educate

about how deltaic ecosystem function changes in response to events such as hurricanes, restoration projects.

- The final *WaterMarks360* Professional Development Training for teachers was held in October. Training sessions have been conducted across the coast in cooperation with the LaSTEM initiative; teachers receive CUEs and other incentives. Ms. Leonpacher continues to receive enthusiastic feedback from educators who are implementing the curriculum in their schools.
- The LaCoast.gov website is being redesigned, although essential content will remain available; launch date is anticipated in the coming months.
- New print materials are available – a condensed version of the Understanding CWPPRA booklet, and *Watermarks360* stickers.
- The 2022 Dedication Celebration was held virtually again during November. It featured 35 unique infographics which garnered about 6,000 responses from social media. The event culminated in participant prizes.
- The third Annual Wetlands Writing contest is underway and accepting submissions until the end of March.

Ms. Leonpacher went on to highlight several local festivals, events and project site visits at which Outreach members were present and/ or involved. The Louisiana Wetlands book display is now in the Iberia Parish Public Library; Ms. Leonpacher invited attendees to suggest future locations. She reviewed social media outreach statistics, ongoing projects (in addition to those mentioned earlier), and listed upcoming events and partnerships.

Col. Jones commended Ms. Leonpacher for her presentation and the efforts of the Outreach Committee to reach and engage the public.

Col. Jones called for Task Force questions or comments. Mr. Doley echoed the Colonel's remarks, emphasizing that outreach is integral not only to the public's understanding of the work of CWPPRA, but also to the education and development of future environmental science professionals.

Col. Jones called for public questions or comments; none were proffered.

Agenda Item #7 – Report: Coastwide Reference Monitoring System (CRMS) Report (Leigh Anne Sharp, CPRA)

Leigh Anne Sharp (CPRA) was called to present the CRMS update. She began with a synopsis of the recent Monitoring Workgroup Meeting Review that occurred in January 2023. At that meeting several issues were considered:

- The potentiality of transitioning to satellite-derived imagery is being explored. The last coastwide aerial photography event is to occur in 2024.
- CRMS website revisions are being made, including new video tutorials (under development), an online vegetative community tool, and an updated marsh analysis map. Also available is real-time hydrologic data (in contract with an independent vendor); this data is only available to Monitoring Workgroup members.

- The reference monitoring network – specifically the rationale for a network approach, and its randomized statistical design – as it enhances data collection, analysis and dissemination. A monitoring prioritization survey was sent to relevant agencies.
- A data mining exercise to determine marsh elevation changes at several CWPPRA (and one CIAP) project site(s) was not completed during the MWG meeting but will be finalized and made available to the Environmental Workgroup members to inform future engineering and planning efforts.

Ms. Sharp then focused on current activities, including the 2023 Elevation Change and Accretion data collection (which is done cyclically), and Vegetation Change data collection (which is done annually in each basin.) The data results in improved assumptions, reveals clear limitations and enhances modeling in the development of the 2023 Coastal Master Plan. Elevation Change and Accretion data (specifically) helps to infer new subsidence estimates.

Col. Jones thanked Ms. Sharp for her presentation and called for questions or comments from the Task Force and the public; none were proffered.

Agenda Item #8 – Report: Status of the Coastwide Salvinia Weevil Propagation Facility (LA-284) Project (Ronny Paille, FWS)

Ronnie Paille (FWS) initiated his report asserting that this is a bio-control project – an effort to control the spread of Giant Salvinia by producing and distributing weevils known to specifically attack and control that invasive species. Selected as a Coastwide project in 2017, the original budget of \$3.8 million included some construction costs. Rather than construct ponds, budgeted funds have been utilized to rent, operate and maintain four (4) ponds at ULL Cade Farm, and 4 ponds at St. Gabriel utilized for weevil propagation, harvesting and (ultimately) distribution to the public. Most of the budget is spent on O&M and data collection conducted by LSU AgCenter (lead by Dr. Rodrigo Diaz). This data collection monitors adult and larval weevil populations, and largely determines an optimal time for harvest and release events. Mr. Paille demonstrated that the number of landowners participating in releases has increased yearly, as has the number of parishes throughout the state into which weevils have been released.

Mr. Paille shifted his focus to problematic issues which have become apparent despite the increases in participation and release site locations. At the St. Gabriel ponds, invasive apple snails are now in the system. At the Cade ponds, invasive Cuban Bullrush has been found growing on top of the salvinia. Both invasives render those ponds unusable for harvest. LSU has, therefore, initiated greenhouse propagation of the weevils, which allows controlled water temperature to extend (tropical) weevil propagation time, and potentiate earlier (and repeated) release of the weevils into sites before the salvinia growth is too dense. Greenhouse propagation also greatly reduces the possible introduction of invasives.

Another major aspect of the project is release site monitoring (currently conducted at two landowner sites – Bayou Cane and Delcambre.) The Bayou Cane site consists of two release sites and two control sites. At the Delcambre site the release and control sites are rather contiguous, which confounds the monitoring. Drone imagery for vegetative surveys and weevil density (field) monitoring occurred ten times (each) over the course of three years after weevil release. Monitoring data indicates that weevil populations are negatively impacted by cool water temperatures. Salinity level data is inconclusive. Storms events and tides affect the sites by moving the salvinia (and weevil populations) in or out. Whether a reduction in surface coverage

of salvinia may be attributed to successful introduction of the weevils or to higher salinity levels in unclear, but apparently revegetation can occur upon mats of dead or unhealthy salvinia.

Ancillary efforts by LSU include outreach through social media, increasing student involvement, research and publications. A cold-tolerant weevil has been identified in South America; LSU researchers are considering bringing those in and studying their potential for use in the (mostly temperate) climate throughout Louisiana. Plans also include switching the release (and subsequent monitoring) of harvested weevils to an “upstream” watershed strategy and eliminating USGS drone imagery (which is ineffective in forested swamp areas).

Col. Jones opened the floor for Task Force questions and comments. Mr. Haase inquired about the number of growing seasons/ releases which have thus far been conducted; Mr. Paille replied that there have been five. Mr. Haase asked about landowner feedback; Mr. Paille asserted that there has not been any, aside from the fact that more landowners participate every year. He also noted that LSU conducted releases on Miami Corp lands prior to this project approval with reported success. However, because cold temperatures and storm events negatively impact weevil densities, and because the salvinia recolonizes from upstream sources, the problem has not been eliminated. Hence the landscape/ watershed approach seems logical.

Col. Jones opened the floor to public comment. Dr. Rodrigo Diaz, present virtually, commented made two assertions: 1) that the public has access to the harvested weevils and those requests can be made known to the AgCenter at any time, and 2) that a cold-tolerant sub-variety of weevils has been located; USDA has approved its transport into the U.S. and the first release is possible by Summer 2023. A question submitted in the chat feature of the virtual meeting (regarding the specific source location in S. America) was answered directly by Dr. Diaz. No other questions or comments were proffered.

Agenda Item #16 -- Additional Agenda Items

Colonel Jones took this opportunity to announce that Chris Doley, NOAA Fisheries, is stepping down as Task Force representative, and offered words of commendation for his 14 years of service in that role. Col. Jones invited Task Force comments; all Task Force members responded in turn and expressed appreciation for Mr. Doley’s leadership, willing guidance and support, thoughtfulness, even-keeled character, and long-term partnership in the CWPPRA Program.

Col. Jones presented Mr. Doley with a token of appreciation and invited him to comment. Mr. Doley asserted that the CWPPRA model of restoration is unequaled in its efficacy, its success, and in the passion and dedication of its members as they confront daunting coastal challenges. He expressed honor, pleasure and gratitude for his time with CWPPRA colleagues. He introduced his replacement, Leslie Craig.

VII. REQUEST FOR PUBLIC COMMENTS

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

VIII. CLOSING

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

A. Priority Project List 33 Regional Planning Team Meetings

February 7, 2023	9:30 a.m.	Region IV Planning Team Meeting	Lake Charles
February 8, 2023	9:30 a.m.	Region III Planning Team Meeting.	Morgan City
February 9, 2023	9:30 a.m.	Region I & II Planning Team Meeting	Mandeville
February 23, 2023	10:30 a.m.	Coastwide Electronic Voting	(via email, no meeting)

B. The Technical Committee meeting will be held April 6, 2023 at 9:30 a.m. at a

C. Future Program Meetings*

February 7, 2023	9:30 a.m.	Region IV Planning Team Meeting	Lake Charles
February 8, 2023	9:30 a.m.	Region III Planning Team Meeting	Morgan City
February 9, 2023	9:30 a.m.	Region I & II Planning Team Meeting	Mandeville
April 6, 2023	9:30 a.m.	Technical Committee Meeting	Baton Rouge
May 4, 2023	9:30 a.m.	Task Force	Lafayette
September 7, 2023	9:30 a.m.	Technical Committee Meeting	New Orleans
October 5, 2023	9:30 a.m.	Task Force	New Orleans
December 7, 2023	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; Mr. Doley (belatedly) acknowledged sincere appreciation for Patrick Williams, Cecilia Linder and other colleagues at NOAA Fisheries.

Colonel Jones invited Mr. Doley to adjourn the proceedings. Mr. Doley made the motion; there was no audible second. The motion carried without dissent and the meeting was adjourned at 11:53 a.m.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

MAY 4, 2023

ELECTRONIC VOTES AND APPROVALS

For Report:

USACE will report out on recent electronic votes and approvals.

From: Richard, Kaitlyn C CIV USARMY CEMVN (USA)
To: Jeff Weller; Jarrell, Elizabeth R CIV USARMY CEMVN (USA); Jones, Cullen A COL USARMY CEMVN (USA); Bren Hasse; leslie.craig@noaa.gov; Richard Kacir (richard.kacir@usda.gov); Maguire, Charles; Hill.Troy@epa.gov
Cc: McCormick, Karen; Wingate, Mark R CIV USARMY CEMVN (USA); Brian Lezina; patrick.williams@noaa.gov; Roy, Kevin; Paul, Britt - NRCS, Alexandria, LA; Inman, Brad L CIV USARMY CEMVN (USA); Von Hoven, Terri M CIV USARMY CEMVN (USA); Walter, Baylissa R CIV USARMY CEMVN (USA); Jason Kroll - NOAA Federal; Dubois, Robert; Trahan, Angela - NRCS, Lafayette, LA; Kent Bollfrass; April Newman; Taylor Patty
Subject: RE: [EXTERNAL] RE: CWPPRA Email Vote: Construction Award Approval-Scope Change Request for BS-32 Mid Breton Landbridge Marsh Creation and Terracing
Date: Thursday, April 20, 2023 3:33:32 PM
Attachments: [CWPPRA Task Force BS-32 Construction Award Approval-Scope Change Request_20APRIL2023.pdf](#)

CWPPRA Task Force,

The motion to proceed with awarding the base bid passes with a majority. Task Force votes are attached for the record. Thank you all for your quick responses.

Kaitlyn Carriere Richard
Project Manager
U.S. Army Corps of Engineers
New Orleans District
Office: 504-862-1798
Cell: 504-228-6650

From: Jarrell, Elizabeth R CIV USARMY CEMVN (USA) <Elizabeth.Jarrell@usace.army.mil>
Sent: Wednesday, April 19, 2023 10:05 AM
To: Jones, Cullen A COL USARMY CEMVN (USA) <Cullen.A.Jones@usace.army.mil>; Weller, Jeff <jeff_weller@fws.gov>; Bren Hasse <bren.haase@la.gov>; leslie.craig@noaa.gov; leslie.craig@noaa.gov; Richard Kacir (richard.kacir@usda.gov) <richard.kacir@usda.gov>; Maguire, Charles <maguire.charles@epa.gov>; Hill.Troy@epa.gov <Hill.Troy@epa.gov>
Cc: McCormick, Karen <mccormick.karen@epa.gov>; Wingate, Mark R CIV USARMY CEMVN (USA) <Mark.R.Wingate@usace.army.mil>; Brian Lezina <brian.lezina@la.gov>; patrick.williams@noaa.gov; Roy, Kevin <kevin_roy@fws.gov>; Paul, Britt - NRCS, Alexandria, LA <britt.paul@usda.gov>; Inman, Brad L CIV USARMY CEMVN (USA) <Brad.L.Inman@usace.army.mil>; Von Hoven, Terri M CIV USARMY CEMVN (USA) <Terri.M.VonHoven@usace.army.mil>; Walter, Baylissa R CIV USARMY CEMVN (USA) <Baylissa.R.Walter@usace.army.mil>; Jason Kroll - NOAA Federal <jason.kroll@noaa.gov>; Dubois, Robert <robert_dubois@fws.gov>; Trahan, Angela - NRCS, Lafayette, LA <Angela.Trahan@usda.gov>; Kent Bollfrass <kent.bollfrass@la.gov>; Richard, Kaitlyn C CIV USARMY CEMVN (USA) <Kaitlyn.M.Carriere@usace.army.mil>; April Newman <April.Newman@LA.GOV>; Taylor Patty <taylor.patricia-a@epa.gov>
Subject: [EXTERNAL] RE: CWPPRA Email Vote: Construction Award Approval-Scope Change Request for BS-32 Mid Breton Landbridge Marsh Creation and Terracing

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

CWPPRA Task Force,

Below is a revised motion to proceed with construction award of a reduced-scope project for BS-32 Mid Breton Landbridge Marsh Creation and Terracing:

FWS and CPRA request Technical Committee and Task Force approval to proceed with awarding the Base Bid (MCAs 1-4). This represents award of a project reduced in scope from the original Phase 2 approval. This award results in a 160-acre reduction (-39.2%) in net acres and a -64.5% reduction in cost effectiveness.

Please coordinate with your Technical Committee representative and respond with your vote by COB tomorrow, Thursday, April 20.

Thanks,

Elizabeth R. Jarrell
Project Manager
USACE, New Orleans District
Office: 504-862-1229

From: Jarrell, Elizabeth R CIV USARMY CEMVN (USA)
Sent: Tuesday, April 18, 2023 4:24 PM
To: Jones, Cullen A COL USARMY CEMVN (USA) <Cullen.A.Jones@usace.army.mil>; Jeff Weller <jeff_weller@fws.gov>; Bren Hasse <bren.haase@la.gov>; leslie.craig@noaa.gov; Richard Kacir (richard.kacir@usda.gov) <richard.kacir@usda.gov>; Maguire, Charles <maguire.charles@epa.gov>; Hill.Troy@epa.gov
Cc: McCormick, Karen <mccormick.karen@epa.gov>; Wingate, Mark R CIV USARMY CEMVN (USA) <Mark.R.Wingate@usace.army.mil>; Brian Lezina <brian.lezina@la.gov>; patrick.williams@noaa.gov; Kevin Roy <kevin_roy@fws.gov>; Paul, Britt - NRCS, Alexandria, LA <britt.paul@usda.gov>; Inman, Brad L CIV USARMY CEMVN (USA) <Brad.L.Inman@usace.army.mil>; Von Hoven, Terri M CIV USARMY CEMVN (USA) <Terri.M.VonHoven@usace.army.mil>; Walter, Baylissa R CIV USARMY CEMVN (USA) <Baylissa.R.Walter@usace.army.mil>; Jason Kroll - NOAA Federal <jason.kroll@noaa.gov>; Robert Dubois <robert_dubois@fws.gov>; Trahan, Angela - NRCS, Lafayette, LA <Angela.Trahan@usda.gov>; Kent Bollfrass <Kent.Bollfrass@la.gov>; Richard, Kaitlyn C CIV USARMY CEMVN (USA) <Kaitlyn.M.Carriere@usace.army.mil>; April Newman <April.Newman@LA.GOV>; Taylor Patty <taylor.patricia-a@epa.gov>
Subject: RE: CWPPRA Email Vote: Construction Award Approval-Scope Change Request for BS-32 Mid Breton Landbridge Marsh Creation and Terracing

CWPPRA Task Force,

Please be aware of ongoing Technical Committee discussion regarding the BS-32 request in light of the updated information below, provided by FWS this morning along with the attached figure.

	Phase 2 Approval	Base	Base + Alt 1	Base + Alt 1 + MCA2 South	Base + Alt 1 + Alt 2	Base + Alt 1 + Alt 2 + MCA2 South
Bid (Coastal)	NA	\$20,394,251	\$25,124,451	NA	\$27,109,451	NA
Total Funding (construction + contingency)	\$27,185,567	\$27,185,567	\$27,185,567	\$27,185,567	\$27,185,567	\$27,185,567
Revised Estimate (with updated quantities and 20% contingency)	NA	\$26,788,098	\$32,844,282	\$36,819,438	\$35,226,282	\$39,201,438
Estimated additional funding request	NA	NA	\$5,658,715	\$9,633,871	\$8,040,715	\$12,015,871
Net Acres	408	248	294	325	307	338
Fully-Funded Cost	\$37,358,959	\$37,358,959	\$43,017,674	\$46,992,830	\$45,399,674	\$49,374,830
Base=MCAs 1-4; Alt 1=MCA 5; Alt 2=Terraces						

Revisions or amendments to the request resulting from this discussion will be provided as soon as possible. **Please coordinate with your Technical Committee representatives and plan to respond with your agency votes by COB April 20, 2023 as planned.**

If you have questions or concerns regarding the voting process, let us know.

Thanks,

Elizabeth R. Jarrell
Project Manager
USACE, New Orleans District
Office: 504-862-1229

From: Richard, Kaitlyn C CIV USARMY CEMVN (USA) <Kaitlyn.M.Carriere@usace.army.mil>

Sent: Thursday, April 13, 2023 7:27 AM

To: Jones, Cullen A COL USARMY CEMVN (USA) <Cullen.A.Jones@usace.army.mil>; Jeff Weller <jeff_weller@fws.gov>; Bren Hasse <bren.hasse@la.gov>; leslie.craig@noaa.gov; Richard Kacir (richard.kacir@usda.gov) <richard.kacir@usda.gov>; Maguire, Charles <maguire.charles@epa.gov>; Hill.Troy@epa.gov

Cc: McCormick, Karen <mccormick.karen@epa.gov>; Wingate, Mark R CIV USARMY CEMVN (USA) <Mark.R.Wingate@usace.army.mil>; Brian Lezina <brian.lezina@la.gov>; patrick.williams <patrick.williams@noaa.gov>; Kevin Roy <kevin_roy@fws.gov>; Paul, Britt - NRCS, Alexandria, LA <britt.paul@usda.gov>; Inman, Brad L CIV USARMY CEMVN (USA) <Brad.L.Inman@usace.army.mil>; Jarrell, Elizabeth R CIV USARMY CEMVN (USA) <Elizabeth.Jarrell@usace.army.mil>; Von Hoven, Terri M CIV USARMY CEMVN (USA) <Terri.M.VonHoven@usace.army.mil>; Walter, Baylissa R CIV USARMY CEMVN (USA) <Baylissa.R.Walter@usace.army.mil>; Jason Kroll - NOAA Federal <jason.kroll@noaa.gov>; Robert Dubois <robert_dubois@fws.gov>; Trahan, Angela - NRCS, Lafayette, LA <Angela.Trahan@usda.gov>; Kent Bollfrass <Kent.Bollfrass@la.gov>; April Newman <April.Newman@LA.GOV>; Taylor Patty <taylor.patricia-a@epa.gov>

Subject: CWPBRA Email Vote: Construction Award Approval-Scope Change Request for BS-32 Mid Breton Landbridge Marsh Creation and Terracing

CWPBRA Task Force,

As was discussed by the Technical Committee on April 5th, FWS and CPRA request approval to proceed with construction award of a reduced-scope project for BS-32 Mid Breton Landbridge Marsh Creation and Terracing.

The specific request is as follows:

FWS and CPRA request Technical Committee and Task Force approval to proceed with awarding the Base Project (MCAs 1-4) and Additive Alternate 1 (MCA5). This represents award of a project reduced in scope from the original Phase 2 approval. The Recommended Contract Award results in a 114-acre reduction (-27.9%) in net acres and a -38.8% reduction in cost effectiveness.

Construction bids were opened on March 14, 2023. Contract award must occur by April 28, 2023. CPRA requests a decision one week in advance to allow construction award processing by their administration. Therefore, concurrent review by the Technical Committee and Task Force is requested. **After your concurrent review with your Technical Committee representative, please respond with your vote by COB April 20, 2023.**

Supporting information is attached.

Please contact Kevin Roy (kevin_roy@fws.gov), April Newman (april.newman@la.gov), or Robert Dubois (robert_dubois@fws.gov) should you have any questions.

Kaitlyn Carriere Richard
Project Manager
U.S. Army Corps of Engineers
New Orleans District
Office: 504-862-1798
Cell: 504-228-6650

From: [Leslie Craig - NOAA Federal](#)
To: [Jarrell, Elizabeth R CIV USARMY CEMVN \(USA\)](#)
Cc: [Jones, Cullen A COL USARMY CEMVN \(USA\)](#); [Jeff Weller](#); [Bren Hasse](#); [Richard Kacir \(richard.kacir@usda.gov\)](#); [Maguire, Charles](#); [Hill.Troy@epa.gov](#); [McCormick, Karen](#); [Wingate, Mark R CIV USARMY CEMVN \(USA\)](#); [Brian Lezina](#); [patrick.williams](#); [Kevin Roy](#); [Paul, Britt - NRCS, Alexandria, LA](#); [Inman, Brad L CIV USARMY CEMVN \(USA\)](#); [Von Hoven, Terri M CIV USARMY CEMVN \(USA\)](#); [Walter, Baylissa R CIV USARMY CEMVN \(USA\)](#); [Jason Kroll - NOAA Federal](#); [Robert Dubois](#); [Trahan, Angela - NRCS, Lafayette, LA](#); [Kent Bollfrass](#); [Richard, Kaitlyn C CIV USARMY CEMVN \(USA\)](#); [April Newman](#); [Taylor Patty](#)
Subject: [Non-DoD Source] Re: CWPPRA Email Vote: Construction Award Approval-Scope Change Request for BS-32 Mid Breton Landbridge Marsh Creation and Terracing
Date: Wednesday, April 19, 2023 12:18:56 PM

Thank you Elizabeth.
NOAA Fisheries votes yes.

[Leslie Craig](#)
Supervisor, Southeast Region
NOAA Restoration Center

263 13th AVE S
Saint Petersburg, FL 33701
o: 727-551-5786
c: 727-510-1487 (Telework #)

On Wed, Apr 19, 2023 at 11:11 AM Jarrell, Elizabeth R CIV USARMY CEMVN (USA) <Elizabeth.Jarrell@usace.army.mil> wrote:

CWPPRA Task Force,

Below is a revised motion to proceed with construction award of a reduced-scope project for BS-32 Mid Breton Landbridge Marsh Creation and Terracing:

FWS and CPRA request Technical Committee and Task Force approval to proceed with awarding the Base Bid (MCAs 1-4). This represents award of a project reduced in scope from the original Phase 2 approval. This award results in a 160-acre reduction (-39.2%) in net acres and a -64.5% reduction in cost effectiveness.

Please coordinate with your Technical Committee representative and respond with your vote by COB tomorrow, Thursday, April 20.

Thanks,

Elizabeth R. Jarrell
Project Manager
USACE, New Orleans District
Office: 504-862-1229

From: Jarrell, Elizabeth R CIV USARMY CEMVN (USA)
Sent: Tuesday, April 18, 2023 4:24 PM
To: [Jones, Cullen A COL USARMY CEMVN \(USA\)](#) <Cullen.A.Jones@usace.army.mil>; [Jeff Weller](#) <jeff_weller@fws.gov>; [Bren Hasse](#) <bren.hasse@la.gov>; [leslie.craig@noaa.gov](#); [Richard Kacir \(richard.kacir@usda.gov\)](#) <richard.kacir@usda.gov>; [Maguire, Charles](#) <maguire.charles@epa.gov>; [Hill.Troy@epa.gov](#)
Cc: [McCormick, Karen](#) <mccormick.karen@epa.gov>; [Wingate, Mark R CIV USARMY CEMVN \(USA\)](#) <Mark.R.Wingate@usace.army.mil>; [Brian Lezina](#) <brian.lezina@la.gov>; [patrick.williams](#) <patrick.williams@noaa.gov>; [Kevin Roy](#) <kevin_roy@fws.gov>; [Paul, Britt - NRCS, Alexandria, LA](#) <britt.paul@usda.gov>; [Inman, Brad L CIV USARMY CEMVN \(USA\)](#) <Brad.L.Inman@usace.army.mil>; [Von Hoven, Terri M CIV USARMY CEMVN \(USA\)](#) <Terri.M.VonHoven@usace.army.mil>; [Walter, Baylissa R CIV USARMY CEMVN \(USA\)](#) <Baylissa.R.Walter@usace.army.mil>; [Jason Kroll - NOAA Federal](#) <jason.kroll@noaa.gov>; [Robert Dubois](#) <robert_dubois@fws.gov>; [Trahan, Angela - NRCS, Lafayette, LA](#) <Angela.Trahan@usda.gov>; [Kent Bollfrass](#) <Kent.Bollfrass@la.gov>; [Richard, Kaitlyn C CIV USARMY CEMVN \(USA\)](#) <Kaitlyn.M.Carriere@usace.army.mil>; [April Newman](#) <April.Newman@LA.GOV>; [Taylor Patty](#) <taylor.patricia-a@epa.gov>
Subject: RE: CWPPRA Email Vote: Construction Award Approval-Scope Change Request for BS-32 Mid Breton Landbridge Marsh Creation and Terracing

CWPPRA Task Force,

Please be aware of ongoing Technical Committee discussion regarding the BS-32 request in light of the updated information below, provided by FWS this morning along with the attached figure.

	Phase 2 Approval	Base	Base + Alt 1	Base + Alt 1 + MCA2 South	Base + Alt 1 + Alt 2	Base + Alt 1 + Alt 2 + MCA2 South
Bid (Coastal)	NA	\$20,394,251	\$25,124,451	NA	\$27,109,451	NA
Total Funding (construction +						

From: [Hill, Troy](#)
To: [Jarrell, Elizabeth R CIV USARMY CEMVN \(USA\)](#); [Jones, Cullen A COL USARMY CEMVN \(USA\)](#); [Jeff Weller](#); [Bren Hasse](#); [leslie.craig@noaa.gov](#); [Richard Kacir \(richard.kacir@usda.gov\)](#); [Maguire, Charles](#)
Cc: [McCormick, Karen](#); [Wingate, Mark R CIV USARMY CEMVN \(USA\)](#); [Brian Lezina](#); [patrick.williams](#); [Kevin Roy](#); [Paul, Britt - NRCS, Alexandria, LA](#); [Inman, Brad L CIV USARMY CEMVN \(USA\)](#); [Von Hoven, Terri M CIV USARMY CEMVN \(USA\)](#); [Walter, Baylissa R CIV USARMY CEMVN \(USA\)](#); [Jason Kroll - NOAA Federal](#); [Robert Dubois](#); [Trahan, Angela - NRCS, Lafayette, LA](#); [Kent Bollfrass](#); [Richard, Kaitlyn C CIV USARMY CEMVN \(USA\)](#); [April Newman](#); [Taylor Patty](#)
Subject: [Non-DoD Source] RE: CWPPRA Email Vote: Construction Award Approval-Scope Change Request for BS-32 Mid Breton Landbridge Marsh Creation and Terracing
Date: Wednesday, April 19, 2023 12:35:14 PM

EPA votes to approve the revised motion.

Thank you

From: Jarrell, Elizabeth R CIV USARMY CEMVN (USA) <Elizabeth.Jarrell@usace.army.mil>
Sent: Wednesday, April 19, 2023 10:06 AM
To: Jones, Cullen A COL USARMY CEMVN (USA) <Cullen.A.Jones@usace.army.mil>; Weller, Jeff <jeff_weller@fws.gov>; bren.hasse@la.gov; leslie.craig@noaa.gov; Richard Kacir (richard.kacir@usda.gov) <richard.kacir@usda.gov>; Maguire, Charles <maguire.charles@epa.gov>; Hill, Troy <Hill.Troy@epa.gov>
Cc: McCormick, Karen <McCormick.Karen@epa.gov>; Wingate, Mark R CIV USARMY CEMVN (USA) <Mark.R.Wingate@usace.army.mil>; Brian Lezina <brian.lezina@la.gov>; patrick.williams <patrick.williams@noaa.gov>; Kevin Roy <kevin_roy@fws.gov>; Paul, Britt - NRCS, Alexandria, LA <britt.paul@usda.gov>; Inman, Brad L CIV USARMY CEMVN (USA) <Brad.L.Inman@usace.army.mil>; Von Hoven, Terri M CIV USARMY CEMVN (USA) <Terri.M.VonHoven@usace.army.mil>; Walter, Baylissa R CIV USARMY CEMVN (USA) <Baylissa.R.Walter@usace.army.mil>; Jason Kroll - NOAA Federal <jason.kroll@noaa.gov>; Robert Dubois <robert_dubois@fws.gov>; Trahan, Angela - NRCS, Lafayette, LA <Angela.Trahan@usda.gov>; Kent Bollfrass <Kent.Bollfrass@la.gov>; Richard, Kaitlyn C CIV USARMY CEMVN (USA) <Kaitlyn.M.Carriere@usace.army.mil>; April Newman <April.Newman@LA.GOV>; Taylor, Patricia-A <Taylor.Patricia-A@epa.gov>
Subject: RE: CWPPRA Email Vote: Construction Award Approval-Scope Change Request for BS-32 Mid Breton Landbridge Marsh Creation and Terracing

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Cc: McCormick, Karen <[mccormick.karen@epa.gov](#)>; Wingate, Mark R CIV USARMY CEMVN (USA) <[Mark.R.Wingate@usace.army.mil](#)>; Brian Lezina <[brian.lezina@la.gov](#)>; patrick.williams <[patrick.williams@noaa.gov](#)>; Kevin Roy <[kevin_roy@fws.gov](#)>; Paul, Britt - NRCS, Alexandria, LA <[britt.paul@usda.gov](#)>; Inman, Brad L CIV USARMY CEMVN (USA) <[Brad.L.Inman@usace.army.mil](#)>; Von Hoven, Terri M CIV USARMY CEMVN (USA) <[Terri.M.VonHoven@usace.army.mil](#)>; Walter, Baylissa R CIV USARMY CEMVN (USA) <[Baylissa.R.Walter@usace.army.mil](#)>; Jason Kroll - NOAA Federal <[jason.kroll@noaa.gov](#)>; Robert Dubois <[robert_dubois@fws.gov](#)>; Trahan, Angela - NRCS, Lafayette, LA <[Angela.Trahan@usda.gov](#)>; Kent Bollfrass <[Kent.Bollfrass@la.gov](#)>; Richard, Kaitlyn C CIV USARMY CEMVN (USA) <[Kaitlyn.M.Carriere@usace.army.mil](#)>; April Newman <[April.Newman@LA.GOV](#)>; Taylor Patty <[taylor.patricia-a@epa.gov](#)>
Subject: RE: CWPPRA Email Vote: Construction Award Approval-Scope Change Request for BS-32 Mid Breton Landbridge Marsh Creation and Terracing

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Estimated additional funding request	NA	NA	\$5,658,715	\$9,633,871	\$8,040,715	\$12,015,871
Net Acres	408	248	294	325	307	338

From: [Kacir, Richard - FPAC-NRCS, LA](#)
To: [Jarrell, Elizabeth R CIV USARMY CEMVN \(USA\)](#); [Jones, Cullen A COL USARMY CEMVN \(USA\)](#); [Jeff Weller](#); [Bren Hasse](#); [leslie.craig@noaa.gov](#); [Maguire, Charles](#); [Hill.Troy@epa.gov](#)
Cc: [McCormick, Karen](#); [Wingate, Mark R CIV USARMY CEMVN \(USA\)](#); [Brian Lezina](#); [patrick.williams](#); [Kevin Roy](#); [Paul, Britt - FPAC-NRCS, LA](#); [Inman, Brad L CIV USARMY CEMVN \(USA\)](#); [Von Hoven, Terri M CIV USARMY CEMVN \(USA\)](#); [Walter, Baylissa R CIV USARMY CEMVN \(USA\)](#); [Jason Kroll - NOAA Federal](#); [Robert Dubois](#); [Trahan, Angela - FPAC-NRCS, LA](#); [Kent Bollfrass](#); [Richard, Kaitlyn C CIV USARMY CEMVN \(USA\)](#); [April Newman](#); [Taylor Patty](#)
Subject: [Non-DoD Source] RE: CWPPRA Email Vote: Construction Award Approval-Scope Change Request for BS-32 Mid Breton Landbridge Marsh Creation and Terracing
Date: Wednesday, April 19, 2023 11:36:39 AM
Attachments: [image001.png](#)

NRCS votes yes.

Chad Kacir
NRCS Louisiana
State Conservationist
(o) 318-473-7752
(cell) 318-451-1397



From: Jarrell, Elizabeth R CIV USARMY CEMVN (USA) <Elizabeth.Jarrell@usace.army.mil>
Sent: Wednesday, April 19, 2023 10:06 AM
To: Jones, Cullen A COL USARMY CEMVN (USA) <Cullen.A.Jones@usace.army.mil>; Jeff Weller <jeff_weller@fws.gov>; Bren Hasse <bren.hasse@la.gov>; leslie.craig@noaa.gov; Kacir, Richard - FPAC-NRCS, LA <richard.kacir@usda.gov>; Maguire, Charles <maguire.charles@epa.gov>; Hill.Troy@epa.gov
Cc: McCormick, Karen <mccormick.karen@epa.gov>; Wingate, Mark R CIV USARMY CEMVN (USA) <Mark.R.Wingate@usace.army.mil>; Brian Lezina <brian.lezina@la.gov>; patrick.williams <patrick.williams@noaa.gov>; Kevin Roy <kevin_roy@fws.gov>; Paul, Britt - FPAC-NRCS, LA <britt.paul@usda.gov>; Inman, Brad L CIV USARMY CEMVN (USA) <Brad.L.Inman@usace.army.mil>; Von Hoven, Terri M CIV USARMY CEMVN (USA) <Terri.M.VonHoven@usace.army.mil>; Walter, Baylissa R CIV USARMY CEMVN (USA) <Baylissa.R.Walter@usace.army.mil>; Jason Kroll - NOAA Federal <jason.kroll@noaa.gov>; Robert Dubois <robert_dubois@fws.gov>; Trahan, Angela - FPAC-NRCS, LA <Angela.Trahan@usda.gov>; Kent Bollfrass <Kent.Bollfrass@la.gov>; Richard, Kaitlyn C CIV USARMY CEMVN (USA) <Kaitlyn.M.Carriere@usace.army.mil>; April Newman <April.Newman@LA.GOV>; Taylor Patty <taylor.patricia-a@epa.gov>
Subject: RE: CWPPRA Email Vote: Construction Award Approval-Scope Change Request for BS-32 Mid Breton Landbridge Marsh Creation and Terracing

CWPPRA Task Force,

Below is a revised motion to proceed with construction award of a reduced-scope project for BS-32 Mid Breton Landbridge Marsh Creation and Terracing:

FWS and CPRA request Technical Committee and Task Force approval to proceed with awarding the Base Bid (MCAs 1-4). This represents award of a project reduced in scope from the original Phase 2 approval. This award results in a 160-acre reduction (-39.2%) in net acres and a -64.5% reduction in cost effectiveness.

Please coordinate with your Technical Committee representative and respond with your vote by COB tomorrow, Thursday, April 20.

Thanks,

Elizabeth R. Jarrell
Project Manager
USACE, New Orleans District
Office: 504-862-1229

From: Jarrell, Elizabeth R CIV USARMY CEMVN (USA)
Sent: Tuesday, April 18, 2023 4:24 PM
To: Jones, Cullen A COL USARMY CEMVN (USA) <Cullen.A.Jones@usace.army.mil>; Jeff Weller <jeff_weller@fws.gov>; Bren Hasse <bren.hasse@la.gov>; leslie.craig@noaa.gov; Richard Kacir <richard.kacir@usda.gov>; Maguire, Charles <maguire.charles@epa.gov>; Hill.Troy@epa.gov
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Subject: RE: CWPPRA Email Vote: Construction Award Approval-Scope Change Request for BS-32 Mid Breton Landbridge Marsh Creation and Terracing

CWPPRA Task Force,

Please be aware of ongoing Technical Committee discussion regarding the BS-32 request in light of the updated information below, provided by FWS this morning along with the attached figure.

	Phase 2 Approval	Base	Base + Alt 1	Base + Alt 1 + MCA2 South	Base + Alt 1 + Alt 2	Base + Alt 1 + Alt 2 + MCA2 South
Bid (Coastal)	NA	\$20,394,251	\$25,124,451	NA	\$27,109,451	NA
Total Funding (construction + contingency)	\$27,185,567	\$27,185,567	\$27,185,567	\$27,185,567	\$27,185,567	\$27,185,567
Revised Estimate (with updated quantities and 20% contingency)	NA	\$26,788,098	\$32,844,282	\$36,819,438	\$35,226,282	\$39,201,438

From: [Weller, Jeff](#)
To: [Jarrell, Elizabeth R CIV USARMY CEMVN \(USA\)](#); [Jones, Cullen A COL USARMY CEMVN \(USA\)](#); [Bren Hasse](#); [leslie.craig@noaa.gov](#); [Richard Kacir \(richard.kacir@usda.gov\)](#); [Maguire, Charles](#); [Hill.Troy@epa.gov](#)
Cc: [McCormick, Karen](#); [Wingate, Mark R CIV USARMY CEMVN \(USA\)](#); [Brian Lezina](#); [patrick.williams](#); [Roy, Kevin](#); [Paul, Britt - NRCS, Alexandria, LA](#); [Inman, Brad L CIV USARMY CEMVN \(USA\)](#); [Von Hoven, Terri M CIV USARMY CEMVN \(USA\)](#); [Walter, Baylissa R CIV USARMY CEMVN \(USA\)](#); [Jason Kroll - NOAA Federal](#); [Dubois, Robert](#); [Trahan, Angela - NRCS, Lafayette, LA](#); [Kent Bollfrass](#); [Richard, Kaitlyn C CIV USARMY CEMVN \(USA\)](#); [April Newman](#); [Taylor Patty](#)
Subject: [Non-DoD Source] Re: [EXTERNAL] RE: CWPPRA Email Vote: Construction Award Approval-Scope Change Request for BS-32 Mid Breton Landbridge Marsh Creation and Terracing
Date: Thursday, April 20, 2023 3:01:27 PM

USFWS/DOI votes in favor of the Scope Change to BS-32.

Have a great day.

Jeffrey D. Weller
Area Supervisor
Mississippi Basin Region
South Atlantic - Gulf Region



U.S. Department of the Interior / Fish and Wildlife Service
stationed at: Louisiana Ecological Services Field Office
200 Dulles Drive
Lafayette, LA 70506
337-291-3115 (office) / 337-322-9670 (cell)

NOTE: This email correspondence and any attachments to and from this sender is subject to the Freedom of Information Act (FOIA) and may be disclosed to third parties.

From: Jarrell, Elizabeth R CIV USARMY CEMVN (USA) <Elizabeth.Jarrell@usace.army.mil>
Sent: Wednesday, April 19, 2023 10:05 AM
To: Jones, Cullen A COL USARMY CEMVN (USA) <Cullen.A.Jones@usace.army.mil>; Weller, Jeff <jeff_weller@fws.gov>; Bren Hasse <bren.haase@la.gov>; [leslie.craig@noaa.gov](#) <[leslie.craig@noaa.gov](#)>; [Richard Kacir \(richard.kacir@usda.gov\)](#) <[richard.kacir@usda.gov](#)>; [Maguire, Charles](#) <[maguire.charles@epa.gov](#)>; [Hill.Troy@epa.gov](#) <[Hill.Troy@epa.gov](#)>
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Subject: [EXTERNAL] RE: CWPPRA Email Vote: Construction Award Approval-Scope Change Request for BS-32 Mid Breton Landbridge Marsh Creation and Terracing

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

CWPPRA Task Force,

Below is a revised motion to proceed with construction award of a reduced-scope project for BS-32 Mid Breton Landbridge Marsh Creation and Terracing:

FWS and CPRA request Technical Committee and Task Force approval to proceed with awarding the Base Bid (MCAs 1-4). This represents award of a project reduced in scope from the original Phase 2 approval. This award results in a 160-acre reduction (-39.2%) in net acres and a -64.5% reduction in cost effectiveness.

Please coordinate with your Technical Committee representative and respond with your vote by COB tomorrow, Thursday, April 20.

Thanks,

Elizabeth R. Jarrell
Project Manager
USACE, New Orleans District
Office: 504-862-1229

From: Jarrell, Elizabeth R CIV USARMY CEMVN (USA)
Sent: Tuesday, April 18, 2023 4:24 PM
To: Jones, Cullen A COL USARMY CEMVN (USA) <Cullen.A.Jones@usace.army.mil>; Jeff Weller <jeff_weller@fws.gov>; Bren Hasse <bren.haase@la.gov>; [leslie.craig@noaa.gov](#); [Richard Kacir \(richard.kacir@usda.gov\)](#) <[richard.kacir@usda.gov](#)>; [Maguire, Charles](#) <[maguire.charles@epa.gov](#)>; [Hill.Troy@epa.gov](#)
Cc: McCormick, Karen <[mccormick.karen@epa.gov](#)>; Wingate, Mark R CIV USARMY CEMVN (USA) <[Mark.R.Wingate@usace.army.mil](#)>; Brian Lezina <[brian.lezina@la.gov](#)>; [patrick.williams](#) <[patrick.williams@noaa.gov](#)>; Kevin Roy <[kevin_roy@fws.gov](#)>; Paul, Britt - NRCS, Alexandria, LA <[britt.paul@usda.gov](#)>; Inman, Brad L CIV USARMY CEMVN (USA) <[Brad.L.Inman@usace.army.mil](#)>; Von Hoven, Terri M CIV USARMY CEMVN (USA) <[Terri.M.VonHoven@usace.army.mil](#)>; Walter, Baylissa R CIV USARMY CEMVN (USA) <[Baylissa.R.Walter@usace.army.mil](#)>; Jason Kroll - NOAA Federal <[jason.kroll@noaa.gov](#)>; Robert Dubois <[robert_dubois@fws.gov](#)>; Trahan, Angela - NRCS, Lafayette, LA <[Angela.Trahan@usda.gov](#)>; Kent Bollfrass <[Kent.Bollfrass@la.gov](#)>; Richard, Kaitlyn C CIV USARMY CEMVN (USA) <[Kaitlyn.M.Carriere@usace.army.mil](#)>; April Newman <[April.Newman@LA.GOV](#)>; Taylor Patty <[taylor.patricia-a@epa.gov](#)>
Subject: RE: CWPPRA Email Vote: Construction Award Approval-Scope Change Request for BS-32 Mid Breton Landbridge Marsh Creation and Terracing

CWPPRA Task Force,

Please be aware of ongoing Technical Committee discussion regarding the BS-32 request in light of the updated information below, provided by FWS this morning along with the attached figure.

	Phase 2 Approval	Base	Base + Alt 1	Base + Alt 1 + MCA2 South	Base + Alt 1 + Alt 2	Base + Alt 1 + Alt 2 + MCA2 South
Bid (Coastal)	NA	\$20,394,251	\$25,124,451	NA	\$27,109,451	NA
Total Funding (construction + contingency)	\$27,185,567	\$27,185,567	\$27,185,567	\$27,185,567	\$27,185,567	\$27,185,567
Revised Estimate (with updated quantities and 20% contingency)	NA	\$26,788,098	\$32,844,282	\$36,819,438	\$35,226,282	\$39,201,438
Estimated additional funding request	NA	NA	\$5,658,715	\$9,633,871	\$8,040,715	\$12,015,871
Net Acres	408	248	294	325	307	338
Fully-Funded Cost	\$37,358,959	\$37,358,959	\$43,017,674	\$46,992,830	\$45,399,674	\$49,374,830
Base=MCA5 1-4; Alt 1=MCA 5; Alt 2=Terraces						

Revisions or amendments to the request resulting from this discussion will be provided as soon as possible. **Please coordinate with your Technical Committee representatives and plan to respond with your agency votes by COB April 20, 2023 as planned.**

If you have questions or concerns regarding the voting process, let us know.

Thanks,

Elizabeth R. Jarrell
Project Manager
USACE, New Orleans District
Office: 504-862-1229

From: Richard, Kaitlyn C CIV USARMY CEMVN (USA) <Kaitlyn.M.Carriere@usace.army.mil>

Sent: Thursday, April 13, 2023 7:27 AM

To: Jones, Cullen A COL USARMY CEMVN (USA) <Cullen.A.Jones@usace.army.mil>; Jeff Weller <jeff_weller@fws.gov>; Bren Hasse <bren.hasse@la.gov>; leslie.craig@noaa.gov; Richard Kacir (richard.kacir@usda.gov) <richard.kacir@usda.gov>; Maguire, Charles <maguire.charles@epa.gov>; Hill.Troy@epa.gov
Cc: McCormick, Karen <mccormick.karen@epa.gov>; Wingate, Mark R CIV USARMY CEMVN (USA) <Mark.R.Wingate@usace.army.mil>; Brian Lezina <brian.lezina@la.gov>; patrick.williams <patrick.williams@noaa.gov>; Kevin Roy <kevin_roy@fws.gov>; Paul, Britt - NRCS, Alexandria, LA <britt.paul@usda.gov>; Inman, Brad L CIV USARMY CEMVN (USA) <Brad.L.Inman@usace.army.mil>; Jarrell, Elizabeth R CIV USARMY CEMVN (USA) <Elizabeth.Jarrell@usace.army.mil>; Von Hoven, Terri M CIV USARMY CEMVN (USA) <Terri.M.VonHoven@usace.army.mil>; Walter, Baylissa R CIV USARMY CEMVN (USA) <Baylissa.R.Walter@usace.army.mil>; Jason Kroll - NOAA Federal <jason.kroll@noaa.gov>; Robert Dubois <robert_dubois@fws.gov>; Trahan, Angela - NRCS, Lafayette, LA <Angela.Trahan@usda.gov>; Kent Bollfrass <Kent.Bollfrass@la.gov>; April Newman <April.Newman@LA.GOV>; Taylor Patty <taylor.patricia-a@epa.gov>

Subject: CWPPRA Email Vote: Construction Award Approval-Scope Change Request for BS-32 Mid Breton Landbridge Marsh Creation and Terracing

CWPPRA Task Force,

As was discussed by the Technical Committee on April 5th, FWS and CPRA request approval to proceed with construction award of a reduced-scope project for BS-32 Mid Breton Landbridge Marsh Creation and Terracing.

The specific request is as follows:

FWS and CPRA request Technical Committee and Task Force approval to proceed with awarding the Base Project (MCAs 1-4) and Additive Alternate 1 (MCA5). This represents award of a project reduced in scope from the original Phase 2 approval. The Recommended Contract Award results in a 114-acre reduction (-27.9%) in net acres and a -38.8% reduction in cost effectiveness.

Construction bids were opened on March 14, 2023. Contract award must occur by April 28, 2023. CPRA requests a decision one week in advance to allow construction award processing by their administration. Therefore, concurrent review by the Technical Committee and Task Force is requested. **After your concurrent review with your Technical Committee representative, please respond with your vote by COB April 20, 2023.**

Supporting information is attached.

Please contact Kevin Roy (kevin_roy@fws.gov), April Newman (april.newman@la.gov), or Robert Dubois (robert_dubois@fws.gov) should you have any questions.

Kaitlyn Carriere Richard
Project Manager
U.S. Army Corps of Engineers
New Orleans District
Office: 504-862-1798
Cell: 504-228-6650

From: Bren Haase
To: Jeff Weller
Cc: Jarrell, Elizabeth R CIV USARMY CEMVN (USA); Jones, Cullen A COL USARMY CEMVN (USA); leslie.craig@noaa.gov; Richard Kacir (richard.kacir@usda.gov); Maguire, Charles; Hill.Troy@epa.gov; McCormick, Karen; Wingate, Mark R CIV USARMY CEMVN (USA); Brian Lezina; patrick.williams; Roy, Kevin; Paul, Britt - NRCS, Alexandria, LA; Inman, Brad L CIV USARMY CEMVN (USA); Von Hoven, Terri M CIV USARMY CEMVN (USA); Walter, Baylissa R CIV USARMY CEMVN (USA); Jason Kroll - NOAA Federal; Dubois, Robert; Trahan, Angela - NRCS, Lafayette, LA; Kent Bollfrass; Richard, Kaitlyn C CIV USARMY CEMVN (USA); April Newman; Taylor Patty
Subject: [Non-DoD Source] Re: [EXTERNAL] RE: CWPPRA Email Vote: Construction Award Approval-Scope Change Request for BS-32 Mid Breton Landbridge Marsh Creation and Terracing
Date: Thursday, April 20, 2023 3:41:24 PM

CPRA does as well.

Bren

On Apr 20, 2023, at 3:10 PM, Weller, Jeff <jeff_weller@fws.gov> wrote:

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

USFWS/DOI votes in favor of the Scope Change to BS-32.

Have a great day.

Jeffrey D. Weller

Area Supervisor
Mississippi Basin Region
South Atlantic - Gulf Region

<Outlook-vipsnhwl.gif>

U.S. Department of the Interior / Fish and Wildlife Service
stationed at: Louisiana Ecological Services Field Office
200 Dulles Drive
Lafayette, LA 70506
337-291-3115 (office) / 337-322-9670 (cell)

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Please coordinate with your Technical Committee representative and respond with your vote by COB tomorrow, Thursday, April 20.

Thanks,

Elizabeth R. Jarrell
Project Manager
USACE, New Orleans District

BS-32 Mid Breton Landbridge Marsh Creation and Terracing

Request To Award Reduced-Scope Construction Contract

The Mid Breton Landbridge Marsh Creation and Terracing Project (BS-32) was approved for Phase 2 funding in January 2021. The total fully-funded cost at the time of Phase II approval was \$37,358,959 and included:

Construction: \$23,639,624

Contingency: \$3,545,944

Total Construction Budget: \$27,185,568

At the time of Phase 2 approval, project features included 514 acres of marsh creation and nourishment across five marsh creation cells and 22,000 LF (17 acres) of earthen terraces across four “cells” (Figure 1).

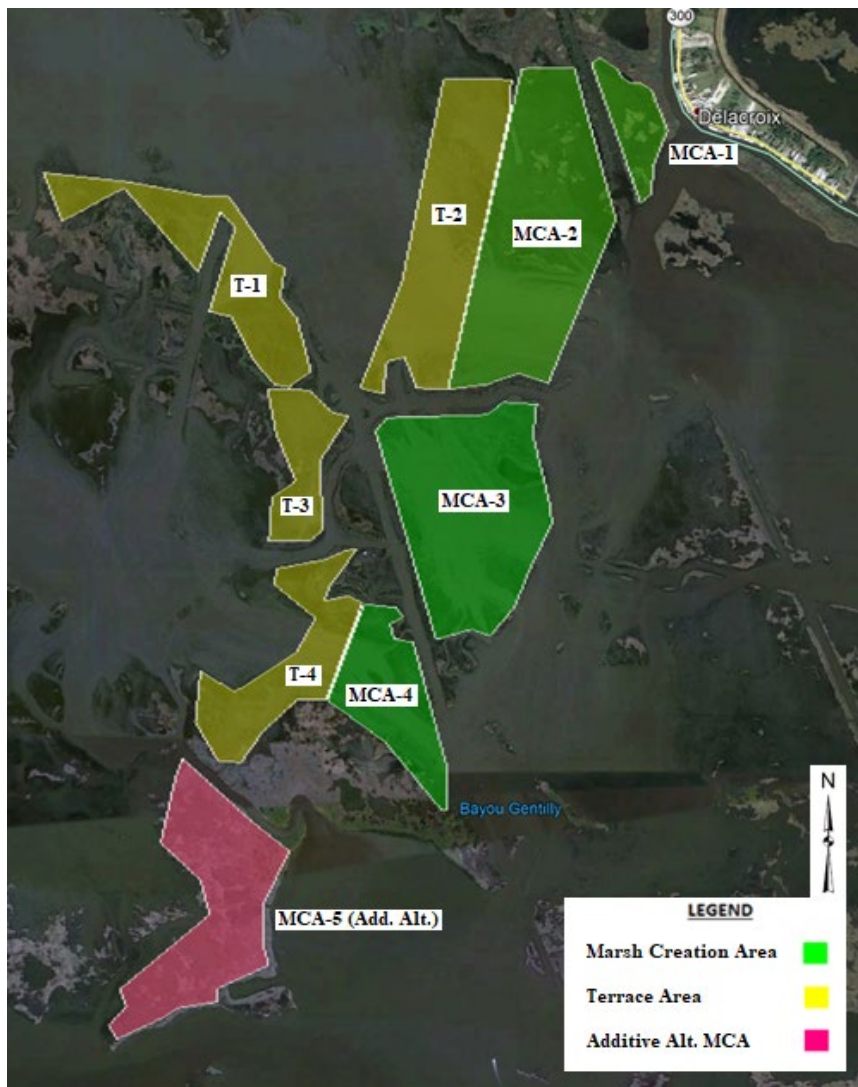


Figure 1. Project features at Phase 2 approval.

Reduction in Project Scope - Part 1

Subsequent to Phase 2 approval, adjustments to containment dike alignments resulted in a minor reduction (-5 acres) to the project footprint. During landrights acquisition, CPRA was unable to obtain final landrights for the southern portion of MCA5 and terrace cell T-3. The re-alignment of MCA5 resulted in a 35-acre reduction in the marsh creation footprint. Removal of terrace cell T-3 resulted in a 2-acre reduction (-3,000 LF) to the constructed terrace acreage. Overall, the project footprint was reduced by 42 acres (-8%) and represents the Original Bid Package (Figure 2) which was advertised. Acreage reductions to the project footprint are presented in Table 1.

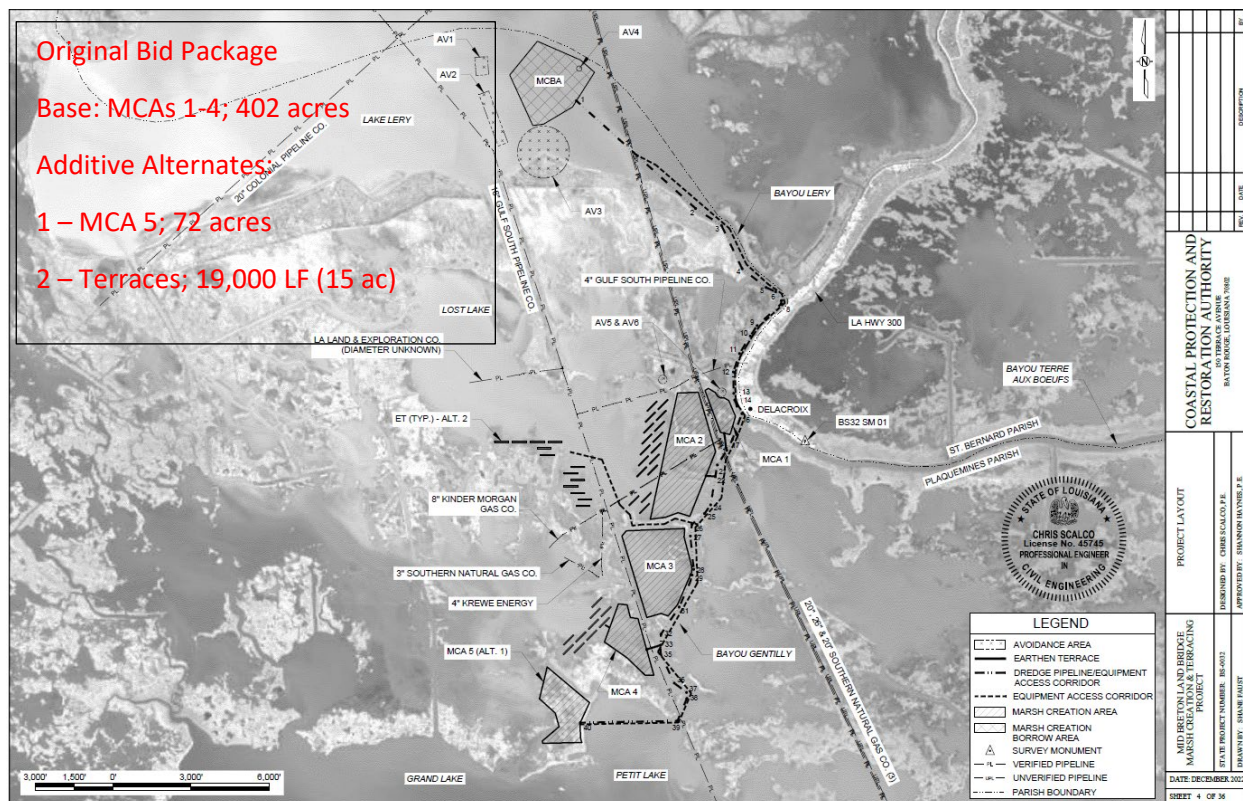


Figure 2. Project features in the Original Bid Package.

Reduction in Project Scope - Part 2

During the pre-bid site visit, contractors expressed concerns regarding containment dike constructability, noting that bottom elevations appeared lower than indicated in the 2019 design surveys. CPRA then conducted spot elevation surveys throughout the MCAs. It was discovered that some portions of the project footprint had deepened since the 2019 design surveys. To address contractor concerns, earthen containment dike alignments were adjusted to remove areas presumed too deep for dike construction (i.e., below -3.0 ft NAVD88). This resulted in a 92-acre footprint reduction from the Original Bid Package (Table 1). The greatest reduction (-69 acres) was to MCA2. Overall, the reduction in footprint from the Phase 2 approved project is -134 acres (-25.2%) and represents the Revised Bid Package (Figure 3). Acreage reductions to the project footprint are presented in Table 1.

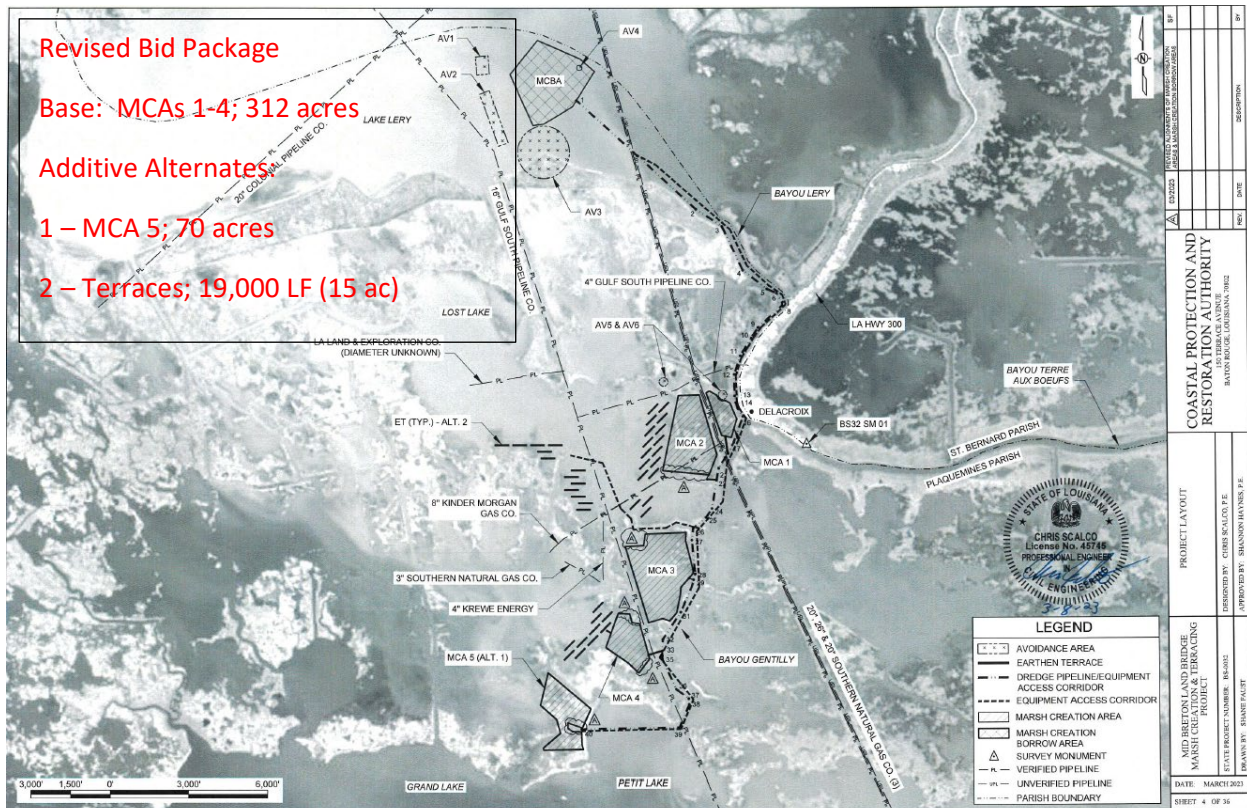


Figure 3. Project features in the Revised Bid Package.

Table 1. BS-32 Mid Breton Landbridge Marsh Creation and Terracing - Summary of Project Revisions

Impacts to Constructed Acres

Project Component	Phase 2 Approval (ac)	Original Bid Package* (ac)	Revised Bid Package** (ac)	Change from Phase 2 Approval (ac)
MCA1	26	24	24	-2
MCA2	170	170	101	-69
MCA3	152	150	137	-15
MCA4	59	58	50	-9
MCA5	107	72	70	-37
Terracing	17	15	15	-2
Total	531	489	397	-134

Bid Advertisement, Bid Opening, and Recommended Path Forward

Due to unprecedented increases in fuel and construction costs, sponsoring agencies began coordinating in 2022 to discuss options for projects proceeding to bid advertisement. Projects included PO-75/133, BS-38, CS-78, BA-206, TE-134, and BS-32. Those projects were approved for Phase 2 funding prior to the increase in construction costs. For some projects, various options to handle potential bid overruns were discussed. Options included reductions in project scope/footprint, utilizing additive alternates, or utilizing a deductive alternate process. In addition, the CWPPRA Task Force agreed to set aside \$40M to address potential bid overruns for those six projects.

The BS-32 project team elected to utilize an additive alternate bid process to provide more options and allow greater flexibility in awarding a contract. Construction bids for the BS-32 Revised Bid Package (including Addenda 1 through 4) were opened on March 14, 2023. The construction budget and apparent low bid amounts are presented in Table 2. Award of the base bid and both additive alternates would only leave a contingency of \$76,118 and would require an immediate request for additional funds. A request of \$4M-\$6.7M would be necessary to provide a 15%-25% contingency.

Table 2. BS-32 Construction Budget and Bid Amounts	
Phase II Approved Budget	
\$23,639,624	Construction
\$3,545,944	Contingency
\$27,185,568	Total

Apparent Low Bid		Remaining Budget
\$20,394,250	Base - MCAs 1-4	\$6,791,318
\$4,730,200	Additive Alt 1 - MCA 5	\$2,061,118
\$1,985,000	Additive Alt 2 - Terraces	\$76,118
\$27,109,450	Total	

The project team faces three major challenges in moving this project to construction. First, is the budget shortfall if the base project and both additive alternates are awarded. Second, is the uncertainty regarding lower bottom elevations since the 2019 design survey and the potential for increased fill quantities. And lastly, is a project reduced in scope from the Phase 2 approval. Compared to the Phase 2 approved project, the Revised Bid Package represents a 134-acre reduction (-25.2%) in constructed marsh acres, a 101-acre reduction (-24.8%) in net acres, and a -32.9% reduction in cost effectiveness (Table 3). Of particular concern is the 69-acre reduction in MCA2 which compromises the landbridge function of the project.

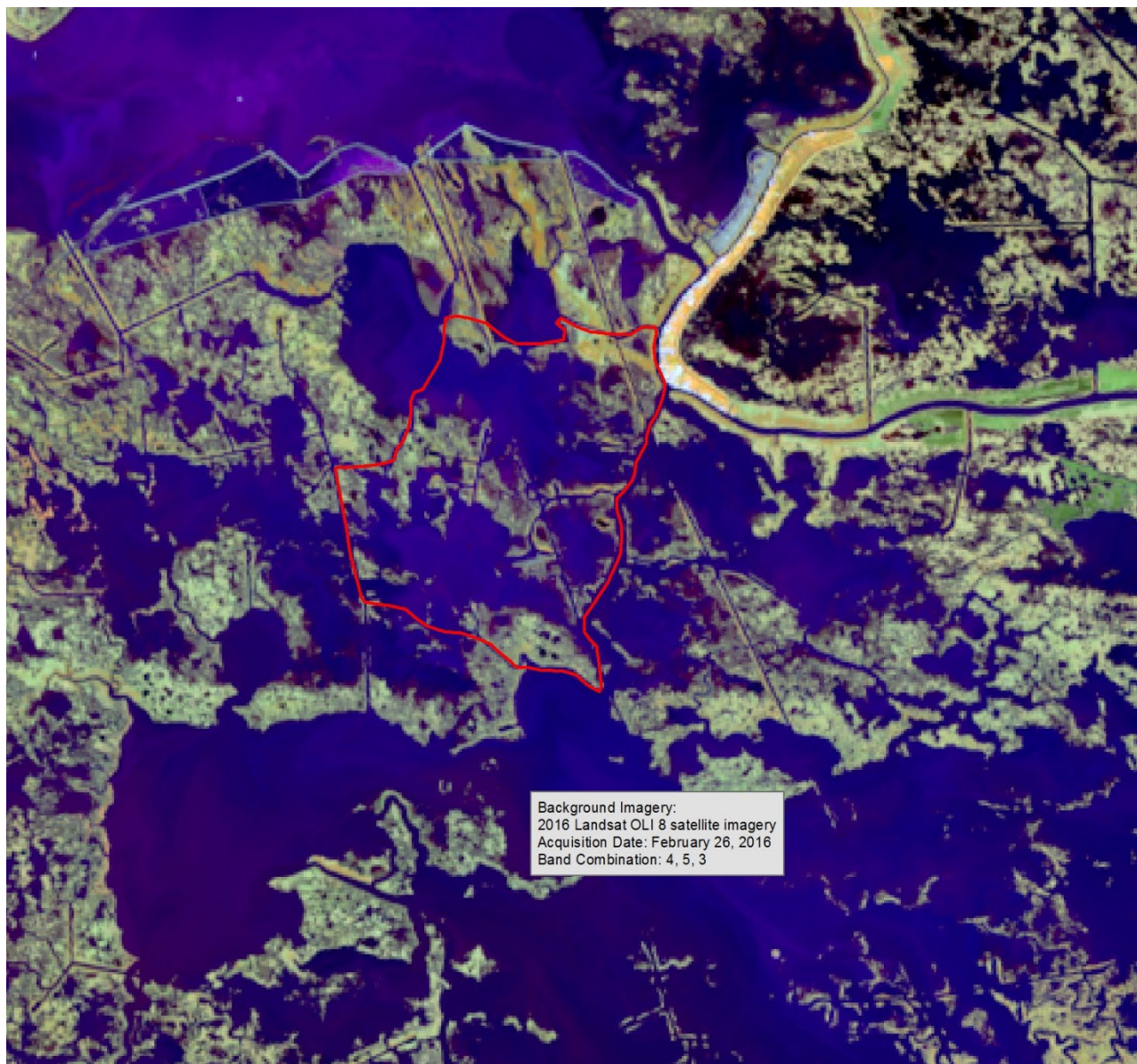
The overall goal of the project team is to construct a project as close as possible to the original Phase 2 approval. The team recommends a path forward that would provide an opportunity to address all three major concerns. The recommended path forward consists of:

- 1) Award of the Base Project (MCAs 1-4) and Additive Alternate 1 (MCA5). This would allow the project to proceed to construction with approximately \$2.1M in contingency. An immediate request for additional funds would not be needed.
- 2) One of the first tasks executed by the contractor will be pre-construction surveys. Based on the pre-construction surveys, CPRA design staff can more effectively determine the feasibility of marsh creation in the area removed from MCA2, determine constructability and cost of the original terrace fields, and more accurately determine if an overall increase in marsh creation fill quantities is necessary. The pre-construction surveys will also allow for consideration of alternative features (e.g., terraces, bank stabilization along Bayou Gentilly) for the area removed from MCA2 if marsh creation is not feasible.
- 3) A request for additional funds would occur during project construction. The amount of that request will be much better informed after pre-construction surveys are conducted. The amount requested would address those items necessary to move the project closer to the original Phase 2 approval including funding to address the area removed from MCA2, funding for increased quantities (if necessary), funding for Additive Alternate 2 (terraces), and adequate contingency for the remainder of construction.

Therefore, FWS and CPRA request Technical Committee and Task Force approval to proceed with awarding the Base Project (MCAs 1-4) and Additive Alternate 1 (MCA5). This represents award of a project reduced in scope from the original Phase 2 approval. The Recommended Contract Award results in a 114-acre reduction (-27.9%) in net acres and a -38.8% reduction in cost effectiveness (Table 3).

Table 3. Impacts to Net Acres and Cost Effectiveness

Project Component	Phase 2 Approval	Original Bid Package	Revised Bid Package	Recommended Contract Award
Marsh Creation	394	369	294	294
Terracing	14	13	13	0
Total	408	382	307	294
Change from Phase 2 Approval (ac)	0	-26	-101	-114
Change from Phase 2 Approval (%)	0.0%	-6.4%	-24.8%	-27.9%
Fully-Funded Cost	\$37,358,959			
Cost Effectiveness	\$91,566	\$97,798	\$121,690	\$127,071
Change from Phase 2 Approval (%)	0.0%	-6.8%	-32.9%	-38.8%



1. PROJECT BID OVERRUNS/UNDERRUNS

Pre-award:

- (1) Statement of Problem: Occasionally bids on CWPPRA projects may exceed the project cost limits. When bids exceed the project cost limits, the options are:
 - (a) Option 1: Allow the acceptance period to expire and abandon the project
 - (b) Option 2: Reject all bids, reduce the scope of the project, and re-advertise
 - (c) Option 3: Request additional funding from the TC, and subsequently the TF, and award the contract

If option 2 or 3 is selected, the resulting cost effectiveness should be evaluated for substantial increases in cost/habit unit and cost/net acre. This will require a review of the change in benefits by the EnvWG. Provisions in bidding procedures by the State of Louisiana allow for acceptance of a bid within a 30-calendar day window after the offer is made. Provisions in bidding procedures by NRCS, under Federal Acquisition Regulations (FAR) allow for acceptance of a bid for a period of time determined at the time of solicitation. Provisions in bidding procedures by the COE, under FAR, mandate acceptance of a construction bid within a 30 calendar day window after the offer is made, unless the bidder grants an extension in 30 day increments.

(2) Project Bid Overruns: Required Procedure:

- (a) The final engineers cost estimate must have been reviewed and updated within 90 days prior to advertisement.
- (b) If the final estimate, prior to advertising, equals or slightly exceeds the project cost limits, the bid package should contain a base bid, and additive or deductive alternatives that would allow the project to be awarded within the project cost limits. The base bid with additive or deductive alternatives provides additional flexibility if the base bid is lower than anticipated.
- (c) If the final estimate is within the available funds (authorized amount) prior to bidding and the base bid without alternates approach was used but the bid exceed the project cost limits, the federal sponsor, with the concurrence of the local sponsor, will notify each of the agencies on the TF of their intention to request additional funds within 15 days of receipt of bids. The federal sponsor should also provide the other members of the TF bid data and any information that supports the request for additional funds at the same time.
- (d) If the final estimate is within the available funds (authorized amount) prior to bidding and the base bid with alternates approach was used but the bid exceeded the project cost limits, the federal sponsor, with the concurrence of the local

sponsor, would apply deductive alternates to get the project within available funds. In no case should the federal sponsor implement without TF approval and local sponsor concurrence a deductive alternative that would reduce the original project's cost-effectiveness by more than 2%; this will require prior consultation with the P&E and the appropriate work groups. If after taking deductive alternatives the base bid still exceeds the project cost limits, the federal sponsor, with concurrence of the local sponsor, will notify each of the agencies on the TF of their intention to request additional funds within 15 days of receipt of bids. The federal sponsor should also provide the other members of the TF bid data and any information that supports the request for additional funds at the same time.

(3) Project Bid Underruns: Required Procedure

- (a) In cases where the construction contract and final costs are lower than the approved construction budget, CWPPRA sponsoring agencies may either, 1) return the unexpended construction funds to the program, or 2) with Task Force approval, expand the project in a cost effective manner with the unexpended construction funds.
- (b) Project sponsors should send the Task Force a request to expand the project. That request should include; 1) the expansion project description and map, 2) expected amount of unexpended construction funds to be used, 3) estimate of additional benefits due to the proposed expanded project, and 4) an estimate of existing and project expansion cost effectiveness.
- (d) The Task Force shall hold an e-mail vote, within 1 week of the request. If the request is not approved by majority vote, the unexpended construction funds are returned to the CWPPRA program. If the expansion request is approved, the sponsoring agencies can alert the construction contractor to begin work and the sponsoring agencies shall provide a post-construction report to the Technical Committee and Task Force concerning the expansion benefits and final costs.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

MAY 4, 2023

STATUS OF CWPPRA PROGRAM FUNDS AND PROJECTS

For Report:

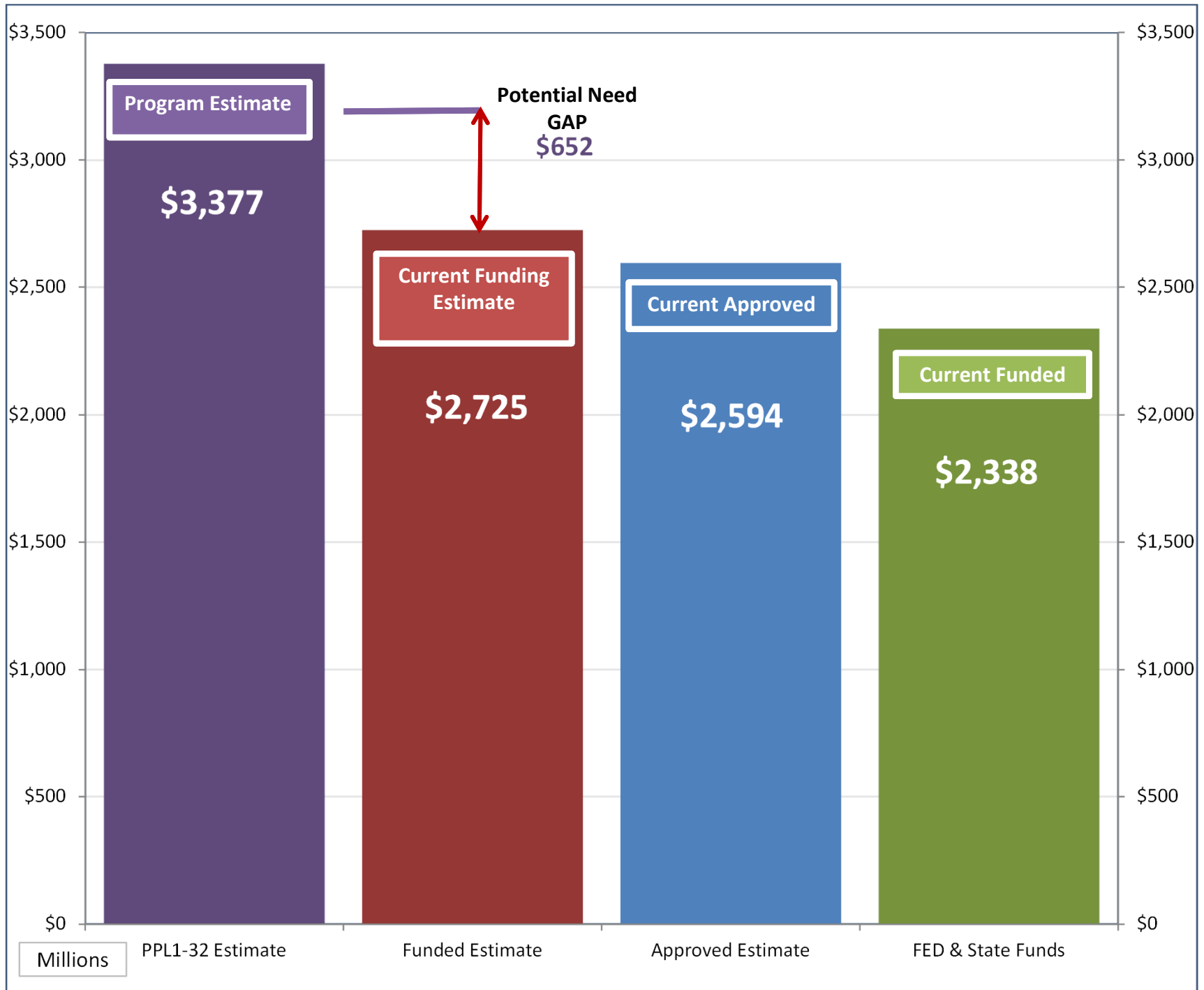
Ms. Baylissa Walter will provide an overview of the status of CWPPRA accounts and available funding in the Planning and Construction Programs.

Status of CWPPRA Program Funds & Projects

Baylissa R. Walter

May 4, 2023

CWPPRA CONSTRUCTION PROGRAM



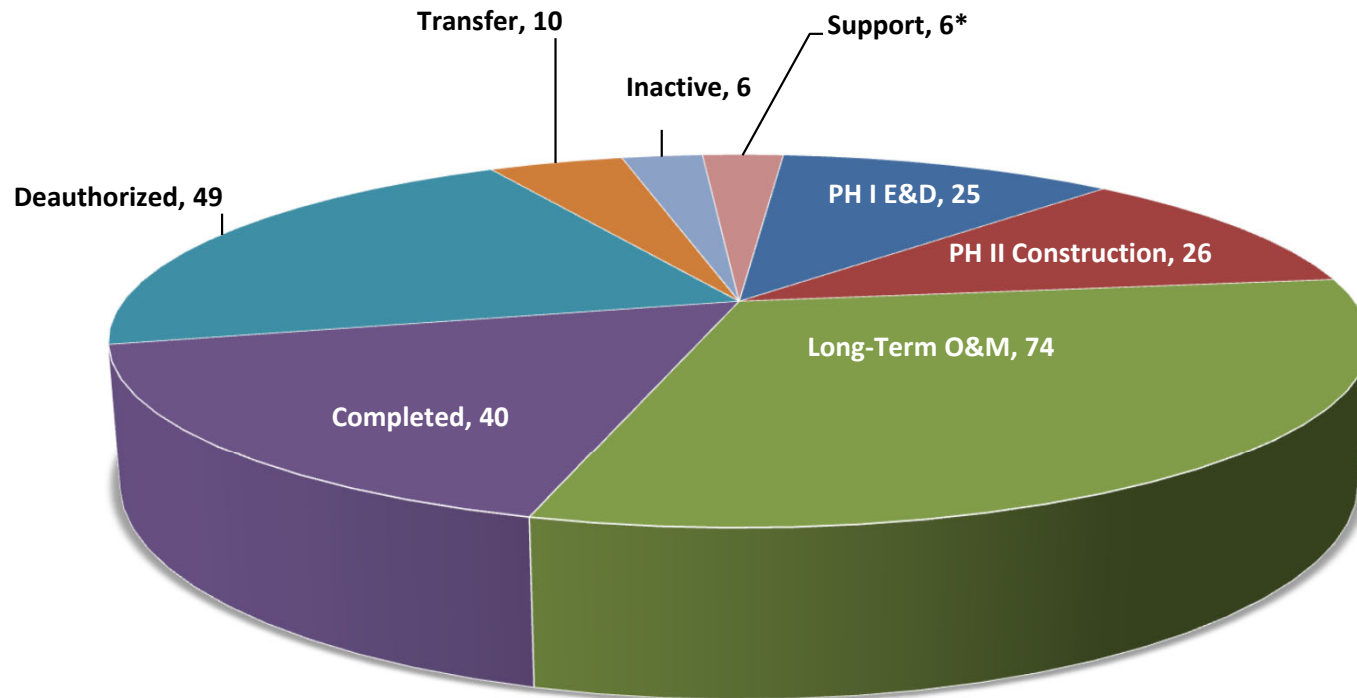
FY24 Planning Program Budget Recommendation for May 2023 Task Force Approval

	Total Request
Funds Available:	
Carryover Balance (Cumulative thru FY23)	\$254,972
FY24 Planning Program Funding Allocation	\$5,000,000
Funds Available:	\$5,254,972
Agenda Item 8: FY24 - Planning Budget & Outreach Budget Request:	
Technical Committee Recommended FY24 Planning Budget	\$4,547,887
Outreach Committee Recommended FY24 Budget	\$452,113
Total	\$5,000,000
Total Remaining Funds in CWPPRA Planning Program	\$254,972

CWPPRA PROJECT STATUS

TOTAL CWPPRA PROJECTS: 236

ACTIVE PROJECTS: 131 *(Phase I, Phase II, Long-term OM&M, and Support)*



* (1) CRMS (2) Monitoring Contingency Fund (3) Storm Recovery Procedures (4) Construction Program Technical Support (5) Wetland Conservation Plan (6) Programmatic Signage

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

MAY 4, 2023

CONSTRUCTION UPDATE

For Report:

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

CWPPRA

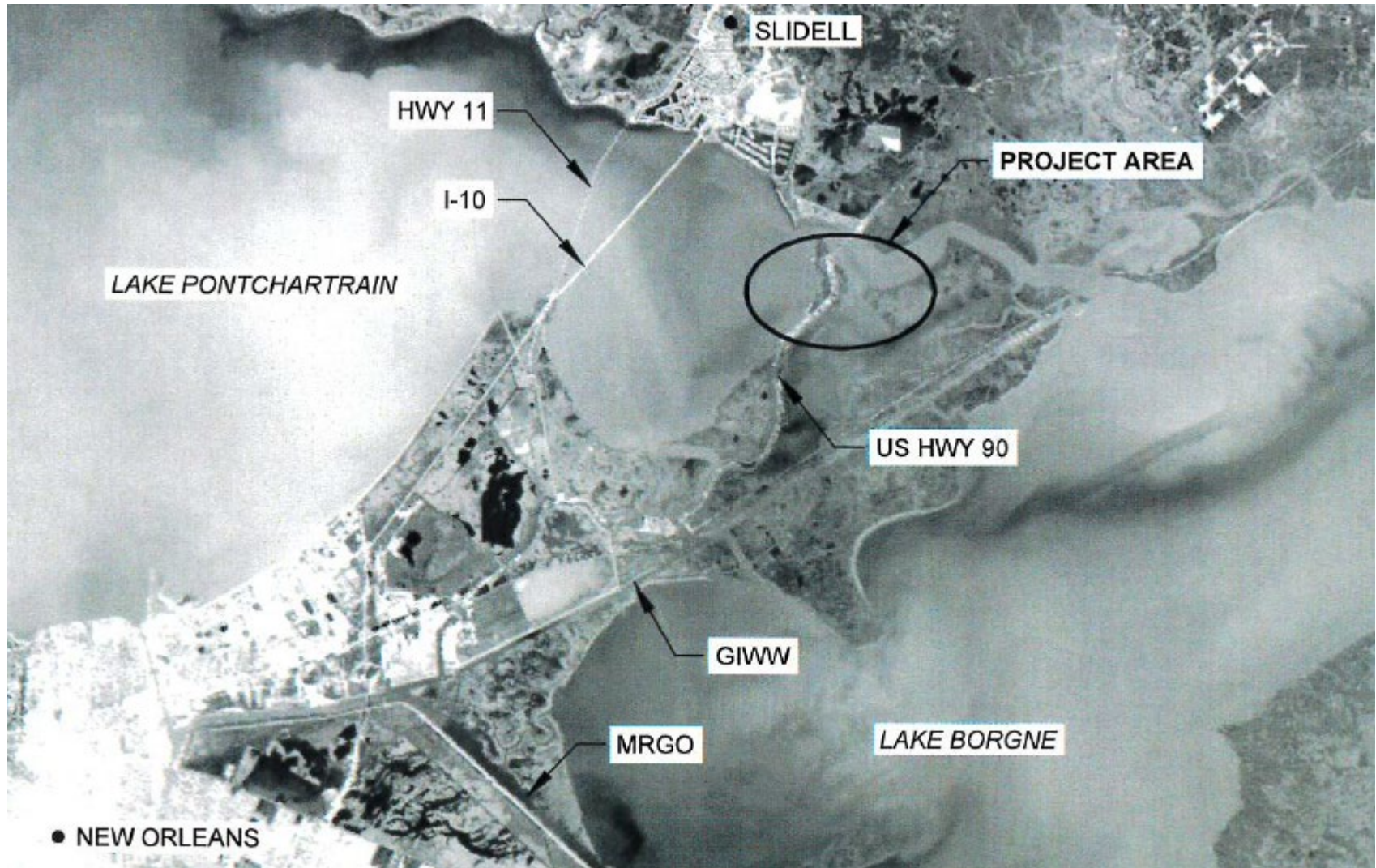
Construction Update

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



Task Force Meeting
May 4, 2023

Project Location



Project Features

POINT	NORTHING	EASTING
1	607,583.34	3,782,982.96
2	607,901.32	3,780,108.44
3	609,212.77	3,779,479.09
4	609,686.96	3,779,205.05
5	613,429.83	3,782,829.08
6	613,027.55	3,784,841.88
7	607,554.15	3,787,895.09
8	602,689.38	3,787,895.09
9	603,093.66	3,789,004.87
10	602,183.00	3,787,273.04
11	601,213.49	3,789,733.54
12	601,213.49	3,791,324.46

	NORTHING	EASTING
AV1	601,457.78	3,790,823.40
AV2	609,746.20	3,782,336.21
AV3	609,445.17	3,785,384.89
AV4	612,487.25	3,783,291.04
AV5	607,995.30	3,779,597.41
AV6	607,641.12	3,779,117.62
AV7	607,616.96	3,779,138.17
AV8	606,979.36	3,781,406.60



DATE: JUNE 2021	NEW ORLEANS LANDBRIDGE SHORTEN STABILIZATION & MARSH CREATION PROJECT	PROJECT LAYOUT AND EQUIPMENT ACCESS CORRIDORS	COASTAL PROTECTION AND RESTORATION AUTHORITY 1517 TERRACE AVENUE BATON ROUGE, LOUISIANA 70802	REV	DATE	DESCRIPTION	BY
SHEET 4 OF 35	STATE PROJECT NUMBER: P0-6169 DRAWN BY: SHANE FALST	DESIGNED BY: JACQUES BOUTREAU, P.E. - 0041585 APPROVED BY: DAIN GILLEN, P.E.					

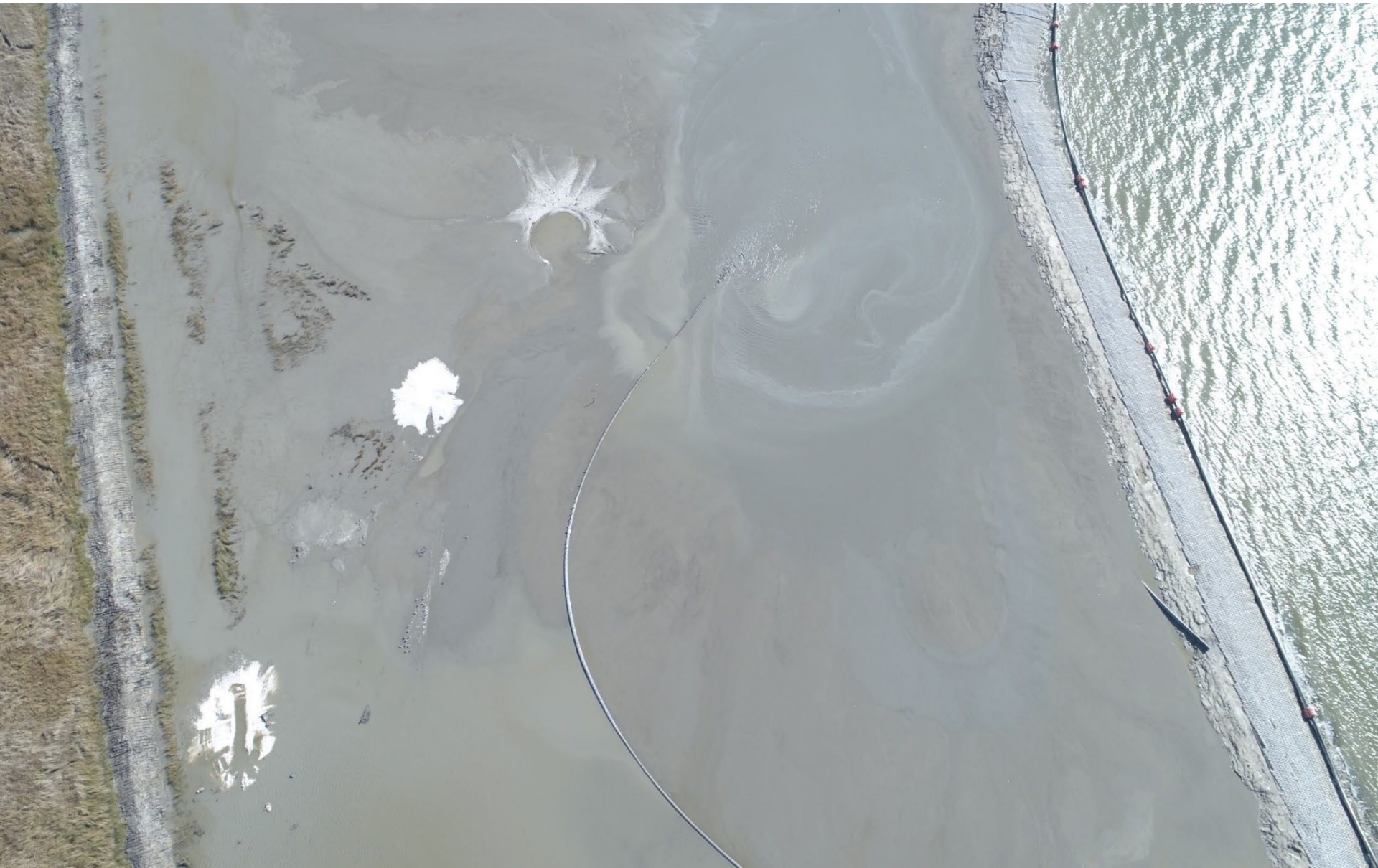
ECD Construction & Installation of ACMs



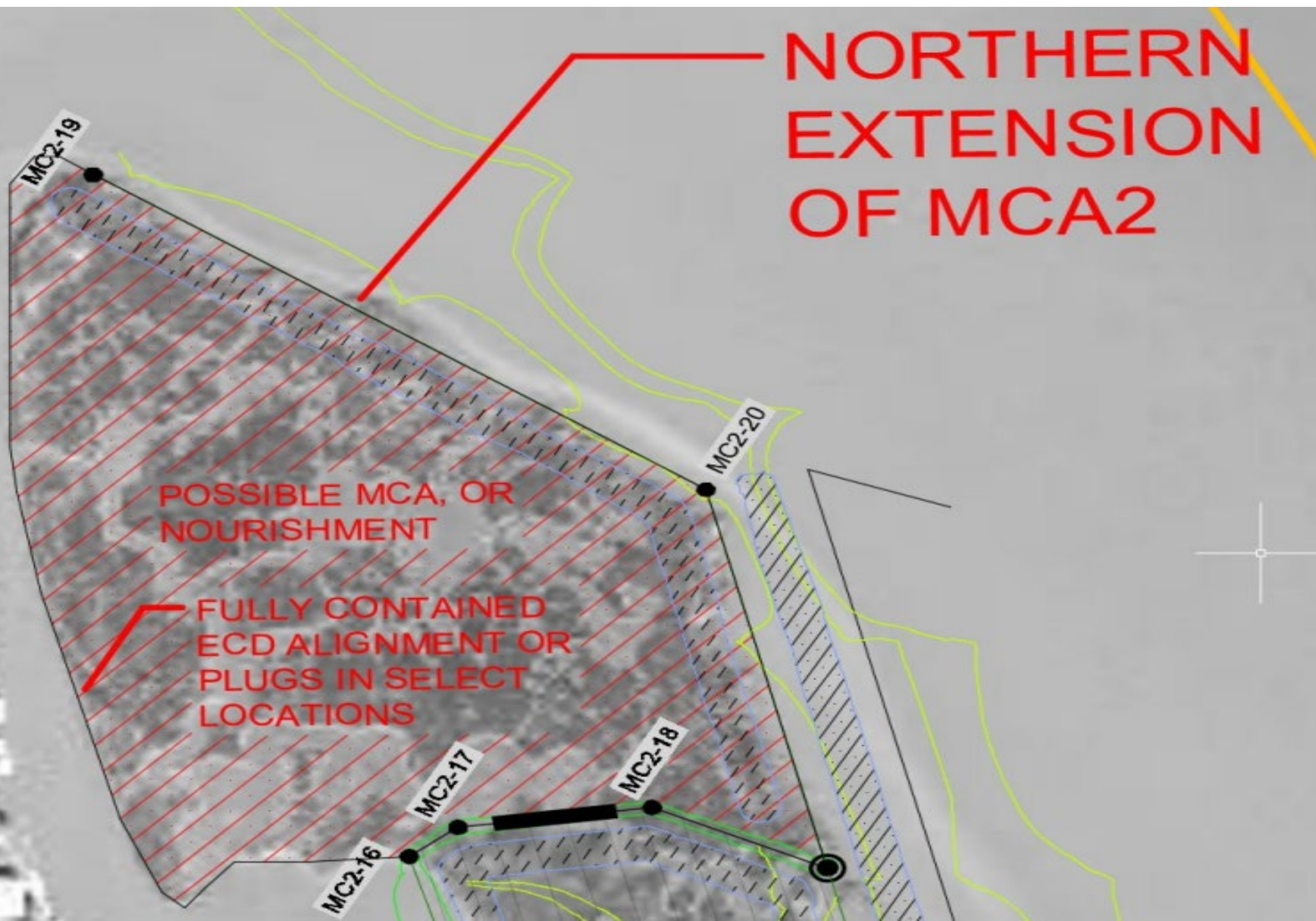
Dredging at MCA1



Dredging at MCA2 and MCA3



Northern Extension of MCA2



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

Installation of articulated concrete mats completed December 2022

Dredging for MCA1 began December 2022

Dredging for MCA3 began January 2023

Dredging for MCA2 began March 2023

Expansion of MCA2 approved February 2023

Dredging for MCA2N TBD

Anticipated project completion TBD

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



COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

MAY 4, 2023

PUBLIC OUTREACH COMMITTEE REPORT

For Report:

Ms. Lauren Leonpacher will present the Public 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 January 12, 2023 – April 26, 2023

REPORTING PERIOD HIGHLIGHTS

- The CWPPRA Public Outreach Program is pleased to announce that “*I Remember...*”: Louisiana Reflections and Stories of the Past and “*I Hope...*”: Visions for a Sustainable Future in Coastal Louisiana will both be displayed at the Acadiana Center for the Arts in Lafayette, LA from April 14th - May 14th. This project highlights the distinctive memoirs and aspirations of people who have used Louisiana’s wetlands as their home and work environment throughout their lives. It also engages the public in storytelling as a tool to both preserve our histories and build connections so we can work together to protect our way of life and the ecosystems we rely on. Visitors are encouraged to share their own memories, ideas, and aspirations for Louisiana’s coastal habitats and communities in our interactive display. All contributions will become part of the public collection and archived in the Library of Congress. The exhibit will be open to the public during regular operating hours and for special events, including one of the largest international music festivals in the United States (Festival International de Louisiane, April 26-30) and Lafayette's ArtWalk event (May 13).
- The WaterMarks360: Our Changing Delta Curriculum Guide and Virtual Field Trip is ready for its debut! This innovative virtual field trip will engage students and the public with a 360° virtual experience of the Lower Mississippi River Delta, educational videos on the history, ecology, and geology of the delta, and STEAM classroom experiments. The virtual field trip and curriculum are both free to access and available to anyone with an internet connection. This project was created in partnership with Nunez Community College, Louisiana Board of Regents – LA STEM, Delta Discovery Tours, and Central Creativity.
- Winners of the 3rd Annual CWPPRA Wetland Writing Contest have been announced! This writing contest was established in November 2020 in memory of Jennifer Ritter Guidry, CWPPRA’s Public Outreach Coordinator from 2019-2020. Over 130 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 are being awarded for winners in each category.
- The CWPPRA Public Outreach Committee met virtually on February 2, 2023, 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!



- CWPPRA Public Outreach participated in numerous community events across the Louisiana's coastal zone including the World Wetlands Day at the South Louisiana Wetlands Discovery Center in Thibodaux, LA; Cook-Off for the Coast in Violet, LA with the Meraux Foundation and Restore the Mississippi River Delta Campaign; the GreenWings Youth Conservation Event with Ducks Unlimited in Covington, LA; the FishSTOCK Festival with Tulane University Biodiversity Research Institute, Plaquemines Parish Government, and artist Brandon Ballengee in Belle Chasse, LA; Family Adventure Day hosted by Healing House at the US Fish and Wildlife Service Office in Lafayette, LA; and Coastal Day at the Capitol in Baton Rouge, LA.
- CWPPRA Media Specialist Kacie Wright attended the Fisheries Forward Summit at the Pontchartrain Center in Kenner, Louisiana to discuss the importance of the CWPPRA program in Louisiana's coastal restoration efforts with attendees. This expo is the state's premier commercial fishing and seafood industry event, attracting hundreds of commercial fishermen, seafood dealers, processors, and others. All elements of the Fisheries Forward Summit are designed to enhance Louisiana's dynamic commercial seafood industry, which is the second largest in the nation. Since Louisiana's fisheries are dependent on the health and sustainability of coastal wetlands, industry members stand to benefit from learning about CWPPRA's work to improve vital habitat for wetland species.
- Congressional Research Service Analyst Anna Normand visited WARC Lafayette to learn about science, programs, and partnerships in the USGS office. During the visit, Normand received a short introduction to WARC science and the CWPPRA program from Public Outreach Committee Chairman Scott Wilson and then met with Outreach Coordinator Lauren Leonpacher to discuss the funding mechanisms, outreach efforts, and STEM and inclusion efforts of the CWPPRA program.
- Our website has gotten a make-over! All of the information you know and love can still be found at www.LAcoast.gov, but we've updated the web design and functionality. With over 30 years sharing the success of the CWPPRA program on one of the first websites for coastal restoration in Louisiana, it is crucial that our digital presence reflects the efforts of the agencies working tirelessly for a stronger, more resilient coast.
- After its tour of several Lafayette Public Library branches, CWPPRA's Louisiana Wetlands Reading List is now on display at the Coteau Branch of the Iberia Parish Public Library. This display has over 70 recommended titles for a variety of ages and interests, plus lots of materials like info booklets & brochures, activity books & worksheets, and even posters & stickers! Materials will be available at this location through the end of May.

ELECTRONIC MEDIA/NATIONAL AND INTERNATIONAL OUTREACH

- LAcoast.gov website statistics from January 12, 2023 – April 25, 2023:
 - ♦ Successful page hits: 3,666,794
(includes pages, videos, maps, and graphics)
 - ♦ Successful requests for pages: 1,675,268
 - ♦ Data transferred: 1.04 terabytes
 - ♦ Average data transferred per day: 9.79 gigabytes
 - ♦ CWPPRA Newsflash subscribers: 1,872



- CWPPRA Social Media Information (as of 4/25/23):
 - ◆ Facebook Followers: 3,133
 - ◆ Twitter Followers: 915
 - ◆ Instagram Followers: 752
- Daily requests and information distributions from January 12, 2023 – April 25, 2023:
 - ◆ Responding to requests for information/material/photos by telephone, email, LAcoast.gov: 97
 - ◆ CWPPRA Newsflashes: 16
 - ◆ LAcoast.gov LUCC posted calendar events: 33

OUTREACH ACTIVITIES

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

- January 18, 2023 – WaterMarks360 Team Meeting, virtual
- January 20-21, 2023 – Gulf of Mexico Alliance Education & Engagement Mid-Year Meeting, Mandeville, LA
- January 23, 2023 – LaSTEM Region 4 Partnership Meeting, virtual
- January 24, 2023 – Youth Wetlands Program Partnership Meeting, virtual
- January 25, 2023 – CWPPRA Task Force Face to Face Pre-Meeting, New Orleans, LA
- January 26, 2023 – CWPPRA Task Force Meeting, New Orleans, LA
- January 27, 2023 – World Wetlands Day at South Louisiana Wetlands Discovery Center, Houma, LA
- January 31, 2023 – CPRA Public Hearing, Baton Rouge, LA
- February 2, 2023 – CWPPRA Public Outreach Committee Meeting, virtual
- February 6, 2023 – GOMA Partnership Meeting, virtual
- February 7, 2023 – CWPPRA Regional Planning Team Meeting - Region 4, virtual
- February 8, 2023 – CWPPRA Regional Planning Team Meeting - Region 3, Morgan City
- February 8, 2023 – WaterMarks360 Team Meeting, virtual
- February 9, 2023 – CWPPRA Regional Planning Team Meeting - Regions 1 & 2, Mandeville, LA
- February 9, 2023 – BTNEP Management Conference
- February 13, 2023 – WaterMarks360 Team Meeting
- February 15-16, 2023 – USGS Mississippi River Science Forum
- February 17, 2023 – Louisiana Sea Grant Education Advisory Board
- March 1, 2023 – Louisiana Fisheries Forward Summit, Kenner, LA
- March 1, 2023 – Meeting with Congressional Researcher Anna Normand, Lafayette, LA
- March 7, 2023 – LDWF WETshop Planning Meeting, virtual
- March 8, 2023 – Acadiana Center for the Arts Partnership Meeting, Lafayette, LA
- March 11, 2023 – Cook-Off for the Coast, Violet, LA
- March 18, 2023 – Acadiana Family Adventure Day at USFWS Office, Lafayette, LA
- March 18, 2023 – Ducks Unlimited GreenWings Youth Event, Covington, LA
- March 20, 2023 – GOMA Education and Engagement Team Meeting, virtual
- March 25, 2023 – FishSTOCK! Festival, Plaquemines, LA
- March 30, 2023 – LAcoast Web Development Team Meeting, virtual
- April 6, 2023 – CWPPRA Technical Committee Meeting, Baton Rouge, LA
- April 12, 2023 – Installation of CWPPRA Oral History Exhibit at Acadiana Center for the Arts, Lafayette, LA



- April 19, 2023 – Restore America’s Estuaries Workshop: DEIJ Community of Practice Session for Community Engagement and Environmental Education Professionals, virtual
- April 21, 2023 – UL Lafayette Fete de la Terre, Lafayette, LA
- April 24, 2023 – Coastal Day at the Capitol, Baton Rouge, LA
- April 25, 2023 – Atchafalaya National Estuarine Research Reserve Scoping Meeting, virtual
- CWPPRA continues outreach via social media. Staff continues to update the CWPPRA Facebook page, Instagram, and Twitter. The LAcoast.gov website is updated as needed to include new content, CWPPRA Newsflash news releases, and media updates.

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 add new design elements to the monthly newsletter format with wetland themed graphics. Sent at the beginning of each month through CWPPRA Newsflash (February, March, April for this reporting period)
- Displaying both “*I Remember...*”: Louisiana Reflections and Stories of the Past and “*I Hope...*”: Visions for a Sustainable Future in Coastal Louisiana at the Acadiana Center for the Arts in Lafayette, LA from April 14th - May 14th, 2023 in an interactive exhibit titled *Memories & Aspirations for Coastal Louisiana: An Interactive Oral History Project*
- 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
- Printing a new informational brochure on the CWPPRA Program’s origin, impacts, implementation, and funding for community and legislative outreach
- 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
- Communicated with BTNEP and Nicholls State University about the Nicholls Coastal Center Partnership
- Preparing content for posters presentations (“Leading Legislation: the value of the Coastal Wetlands Planning, Protection, and Restoration Act”; “Bringing Coastal Issues into the Classroom with Watermarks360 Virtual Field Trip Investigations and STEM Activities”) for 2023 LDOE Teacher



Leader Summit and State of the Coast Conferences to share CWPPRA Educational Materials with scientists, outreach specialists, and educators from Louisiana

- Collaborating with WaterMarks360 partners to develop second virtual field trip featuring the Delta Management at Fort St Philip (BS-11) project titled “Our Changing Delta”
- Developed new outreach materials for print and digital distribution
- Coordinating CWPPRA sponsorship of the State of the Coast conference with the Coalition to Restore Coastal Louisiana and LUMCON
- Coordinated with Restore or Retreat on distribution of CWPPRA Public Outreach Materials in the Bayou Region
- Coordinated with the Louisiana Coastal Protection and Restoration Authority with distribution of CWPPRA Public Outreach Materials within their outreach efforts
- Developing CWPPRA Coastal Checklist, an interactive field journal for residents to document their memories, observations, and experiences in Louisiana’s coastal wetlands

Ongoing Partnerships

- Wetland and Aquatic Research Center, USGS
- Audubon Louisiana
- Louisiana Iris Society
- Greater New Orleans Iris Society
- AOC Community Media
- Louisiana Environmental Education Commission
- Louisiana Environmental Education Association
- LSU Sea Grant
- LSU AgCenter
- Louisiana Department of Wildlife and Fisheries
- LUMCON
- BTNEP
- GOMA Environmental Education Network
- Restore or Retreat
- Coastal Community Resiliency Studio, UL Lafayette
- SwampBase – Evangeline Area Council Boy Scouts of America
- Atchafalaya National Heritage Area
- South Louisiana Wetlands Discovery Center
- Pontchartrain Conservancy
- Bayou Vermilion District
- Meraux Foundation/Docville Farms
- LASOAR
- UL Lafayette Office of Sustainability



- Louisiana Travel Association
- Bayou Culture Collaborative
- Louisiana Folklife Program, Louisiana Office of Cultural Development
- GOMA Embrace the Gulf
- Keep Louisiana Beautiful
- C-LEARN Leadership Council
- 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
- South Louisiana Wetlands Discovery Center
- UL Press
- Acadiana Native Plant Project
- Lafayette Parish Public Library System
- Lafourche Public Library System
- Iberia Parish Public Library System

Placement of CWPPRA Educational Materials / Publications

- Academy of Sacred Heart and Berchmans Academy, Grand Coteau, LA
- Grand Coteau Elementary, Grand Coteau, LA
- USFWS Migratory Bird and Science Applications, Atlanta, GA
- RPT Meetings in Lake Charles, Morgan City and Lacombe, LA
- NOAA, Baton Rouge, LA
- Coalition to Restore Coastal Louisiana, Baton Rouge, LA
- EPA, Dallas, TX
- BTNEP, Thibodaux, LA
- Koupal Communications, Pierre, SD
- 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
- West Baton Rouge Museum, Port Allen, LA
- Historic New Orleans Collection, New Orleans, LA
- Tulane River and Coastal Center, New Orleans, LA



- The Backpacker, Lafayette, LA
- Beausoleil Bookstore, Lafayette, LA
- Vermilionville, Lafayette, LA
- Pack & Paddle, Lafayette, LA
- Spoonbill Watering Hole & Restaurant, Lafayette, LA
- Mendez's Restaurant, Lafayette, LA
- Southern Pearl Restaurant, Baton Rouge, LA
- Lafayette Parish Public Libraries
- Thibodaux Library
- Episcopal School Acadiana
- Iberia Parish Library
- Lafayette Visitors Center

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.

- May 26, 2023: Louisiana Sea Grant Graduate Researchers Scholars Lunch, New Iberia, LA
- May 29 – June 1, 2023: LDOE Teacher Leader Summit Conference , New Orleans, LA
- May 30 – June 2, 2023: State of the Coast Conference, New Orleans, LA
- June 12-16, 2023: WaterMarks360 Summer Camp, Lafayette, LA
- June 25-29, 2023: GOMA All Hands, Austin, TX
- July 9-14, 2023: LDWF WETshop, Grand Isle, LA
- July 10-12, 2023: Waters to the Sea Mississippi River Delta Institute - New Orleans, LA
- August, 2023: WaterMarks360 Teacher Training Sessions, Virtual

Media Coverage referencing LAcoast.gov, CWPPRA, CWPPRA Projects, or Coastal Issues

January 12, 2023 – April 26, 2023

<u>Date</u>	<u>Title</u>	<u>Source of Article</u>	<u>Author</u>
04/18/2023	<u>Fast-rising seas may moderate a bit, but they remain a threat to Louisiana</u>	NOLA.com	Staff editorial
04/16/2023	<u>Unprecedented sea level rise seen on Gulf Coast, East Coast as waters warm</u>	NOLA.com	MARK SCHLEIFSTEIN
04/15/2023	<u>Swamp rats with bright orange teeth are terrorising parts of the US</u>	Independent	Josh Marcus
04/14/2023	<u>MEETINGS SET TO DISCUSS NERR ENVIRONMENTAL IMPACT STUDY</u>	St. Mary Now	
04/12/2023	<u>Louisiana's Vanishing Coastlines, Captured From Above</u>	Bloomberg	Erin X. Wong



04/12/2023	Sea levels are rising at record-breaking rates in the Gulf South, Tulane study says	WWNO	Adam Vos, Alana Schreiber
04/07/2023	Four critical coastal restoration projects advance in Louisiana	Dredging Today	Zlatan Hrvacevic
04/06/2023	Louisiana's Coastline Is Crumbling. These Tribes Know How to Save it	Rolling Stone	Lorena O'Neil
03/25/2023	Louisiana coastal projects are funded by an unlikely source. What happens when the money runs out?	NOLA.com	MARK SCHLEIFSTEIN
03/18/2023	Louisiana works out deal for family to keep pet nutria	WJTV	AP
03/17/2023	Wildlife and Fisheries agent is met by lawyer at nutria owners' business in Metairie	NOLA.com	DOUG MACCASH
03/17/2023	An Ambitious Plan To Build Back Louisiana's Coast	Science Friday	Halle Parker
03/16/2023	Louisiana coastal restoration agency is on 'solid ground' financially Read more at: https://www.lobservateur.com/2023/03/16/louisiana-coastal-restoration-agency-is-on-solid-ground-financially/	L'observateur	special.to
03/13/2023	National Fish and Wildlife Foundation dedicates \$660 million toward construction of Mid-Barataria Sediment	Louisiana Radio Network	Jeff Palermo
03/09/2023	Louisiana granted final funds for unprecedented coastal restoration project	NOLA.com	MARK SCHLEIFSTEIN
02/23/2023	Good eating: Cook-Off for the Coast to benefit Louisiana restoration projects	NOLA.com	ROSHAUN HIGGINS
02/18/2023	Louisiana students turn trash into treasure with coastal restoration project	CBS News	
02/13/2023	This Louisiana swamp is dying, but a new, unprecedented partnership can help restore it	WWNO	Halle Parker
02/04/2023	CPRA receives over \$2B for Mid-Barataria Sediment Diversion construction	L'observateur	special.to
02/04/2023	In Louisiana, Climate Change Threatens the Preservation of History	Inside Climate News	Kiley Bense
02/04/2023	Land loss, forced migration threaten BIPOC communities in coastal Louisiana	The Global Herald	News Desk
02/01/2023	CPRA's 2023 DRAFT Coastal Master Plan on display	Dredging Today	Zlatan Hrvacevic
01/29/2023	Louisiana's \$50 billion coastal plan is incomplete	NOLA.com	Bob Marshall



01/26/2023	New plan to protect Louisiana's coast begins months-long path to legislative approval	The West Side Journal	Claire Sullivan
01/25/2023	Largest marsh restoration project at Lake Borgne eyes 2025 completion date; see updates	WRKF	Kezia Setyawan
01/24/2023	River Reintroduction into Maurepas Swamp to help revitalize wetlands Read more at: https://www.lobserveur.com/2023/01/24/river-reintroduction-into-maurepas-swamp-to-help-revitalize-wetlands/	L'observateur	Staff Reports
01/23/2023	New plan to protect Louisiana's coast begins months-long path to legislative approval	Louisiana Illuminator	CLAIRE SULLIVAN
01/20/2023	\$50 Billion Coastal Master Plan Updated in Louisiana	Planetizen	James Brasuell
01/19/2023	CPRA unveils coastal master plan with \$25B in restoration projects	Business Report	The Center Square
01/19/2023	Researchers clash over whether freshwater diversion is helpful or harmful to coast	Louisiana Illuminator	DREW HAWKINS
01/17/2023	Louisiana's biggest land-building project likely to cause spike in shrimp, oyster prices	KTBS3	TRISTAN BAURICK
01/17/2023	Entergy makes large donation to Nicholls' Coastal Center	Lafourche Gazette	ASEY GISCLAIR
01/12/2023	Christmas tree recycling program underway across Southeast Louisiana	WDSU6 News	Lee Southwick
01/12/2023	CPRA presents latest update of the Louisiana's \$50B coastal master plan	Dredging Today	Zlatan Hrvacevic
01/11/2023	Plan Advanced to Save Louisiana Wetlands	VOA News	Matt Haines
01/11/2023	Louisiana is the most impacted state by costly natural disasters since 1980, says NOAA	WWNI89.9	Kezia Setyawan
01/10/2023	Louisiana releases an updated coastal master plan	Louisiana Radio Network	Jeff Palermo
01/10/2023	Researchers clash over merits of freshwater diversion	Business Report	Louisiana Illuminator
01/09/2023	6 Polluted Waterways Slated For Restoration	Clean Technica	Guest Contributor
01/09/2023	Audit finds Louisiana state agencies failed to submit required performance reports	The Center Square	Victor Skinner
01/09/2023	More than a dozen Louisiana agencies missed accounting deadlines, auditor says	Louisiana Illuminator	WESLEY MULLER



01/09/2023	LDWF is now accepting applications for two Spring Women's Fishing 101 Workshops!	Louisiana Wildlife and Fisheries	Rene LeBreton
01/09/2023	Gas terminals threaten coastal communities	POLITICAL	NICHOLAS CUNNINGHAM
01/09/2023	Louisiana's draft coastal master plan update promises billions in hurricane-damage savings	Insurance Newsnet	The Acadiana Advocate



COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

MAY 4, 2023

COASTWIDE REFERENCE MONITORING SYSTEM (CRMS) REPORT

For Report:

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

Coastwide Reference Monitoring System Update

LEIGH ANNE SHARP - COASTAL SCIENTIST MANAGER - LAFAYETTE REGIONAL OFFICE



CRMS Task Force Update May, 2023

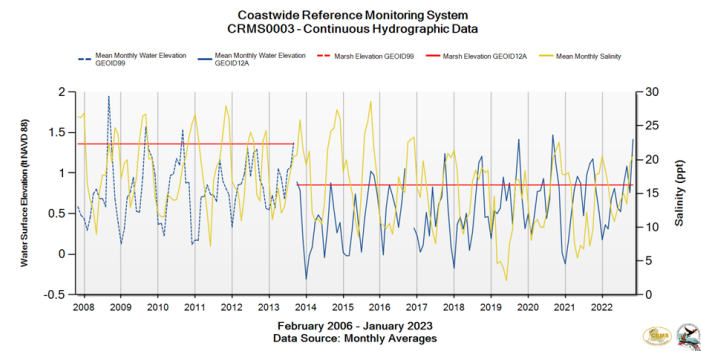
- Review Monitoring Workgroup Meeting Topics
 - CRMS Survey Rollout Details
 - Agency Monitoring Priorities
 - CRMS/NRDA Funding Request FY24-27
- Sea Level Rise Acceleration



COASTWIDE REFERENCE MONITORING SYSTEM (CRMS)

Elevation Update Rollout – Happening Now

- All CRMS sites were resurveyed in 2021, last survey 2014
- Output is in GEOID12B, previous was GEOID12A
- All sites will have updated marsh elevation so “adjusted elevation to datum” and “adjusted elevation to marsh” will change.
- The changes will be observed throughout the website in charting, data download, interactive hydro, etc
- Site specific correction factors will be provided
- Shifted water elevation data will be provided
- “2021” elevation will be implemented/backdated to October 1, 2020 to coincide with the Water Year



COASTWIDE REFERENCE MONITORING SYSTEM (CRMS)

Agency Monitoring Priorities

- We had asked MWG members to provide input on their monitoring priorities.
- Responding agencies reported:
 - Support for additional efficiencies to reduce costs without compromising the network (ex., improved technology or surrogate hydrology)
 - Increase number of sites only if other funding sources provide full, long-term funding
 - Support for alternative methods for coastwide imagery collections (every 3 years) vs reducing frequency of coastwide collections
 - Not supportive of further reduction of RSET/accretion measurement
 - Support realtime hydro without significant cost increases above non-realtime
 - Recommend removal of existing real-time if required to keep network intact
 - Not supportive of less frequent soil collections, coastwide veg classification, or additional parameters at current funding

COASTWIDE REFERENCE MONITORING SYSTEM (CRMS)

NRDA/CRMS Funding Request

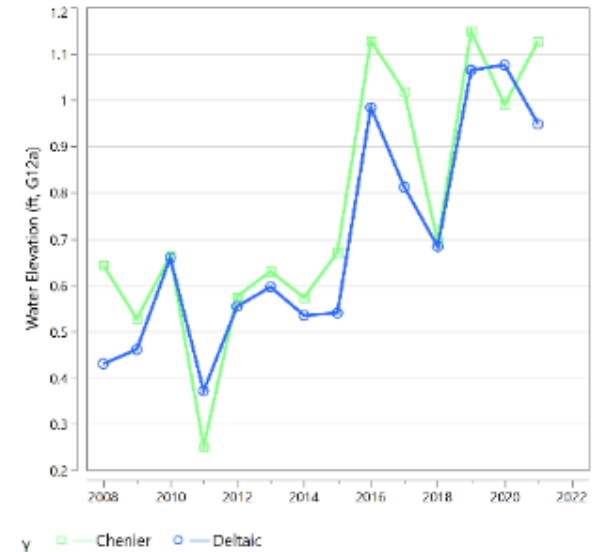
- From FY 21 forward, CWPPRA capped their CRMS contribution at \$10M.
- NRDA agreed to fund the remaining budget for FY 21-23
- We've requested additional CRMS funding from NRDA for FY's 24-27
 - Draft MAIP currently under review
 - Expect decision in May



COASTWIDE REFERENCE MONITORING SYSTEM (CRMS)

Sea Level Rise Acceleration and CRMS Sites

- Recent Literature has identified a SLR acceleration in the GoM
- CRMS sites have captured the rise and the response so far
 - Flooding has increased coastwide: Inland and impounded areas increased the most
 - Salinity has decreased except during drought years
 - Vegetation is freshening; tubers, vines and ferns are on the rise
 - Elevation gain continues, perhaps accelerating
 - Observations of shallow expansion and mat detachment have increased
 - Landloss may be accelerating
 - Details to be included in new CRMS Synthesis Reports



Rapid Decadal Acceleration of Sea Level Rise along the U.S. East and Gulf Coasts during 2010-2022 and Its Impact on Hurricane-Induced Storm Surge

Jianjun Yin

Department of Geosciences

University of Arizona

Corresponding author: Jianjun Yin, yin@arizona.edu

Acceleration of U.S. Southeast and Gulf coast sea-level rise amplified by internal climate variability

[Sönke Dangendorf](#) , [Noah Hendricks](#), [Qiang Sun](#), [John Klinck](#), [Tal Ezer](#), [Thomas Frederikse](#), [Francisco M. Calafat](#), [Thomas Wahl](#) & [Torbjörn E. Törnqvist](#)

Nature Communications **14**, Article number: 1935 (2023) | [Cite this article](#)

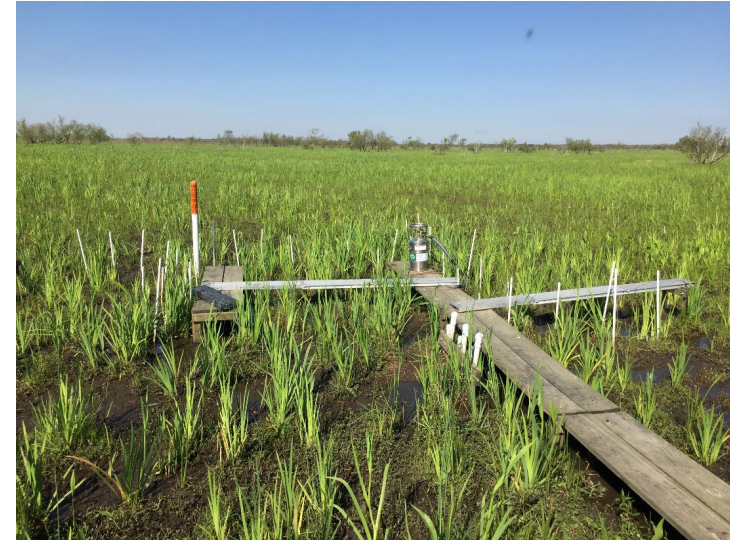
COASTWIDE REFERENCE MONITORING SYSTEM (CRMS)

Beneficial Use of Alligators?

Recent Alligator/Nutria/Vegetation Observations from CRMS0543 (TV Basin)



2023 – with alligator; no nutria
Diverse vegetation



2019 – no alligator; nutria nests
One species (*Iris virginica*) left uneaten

Gator under boardwalk at CRMS0543; Vegetation looked much better than previous years when there were no gators and heavy nutria herbivory was observed. Can we harness the protective power of the American alligator?

COASTWIDE REFERENCE MONITORING SYSTEM (CRMS)

CONNECT WITH US!



@LouisianaCPRA



COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

MAY 4, 2023

UPCOMING 20-YEAR LIFE PROJECTS

For Report/Decision:

The project sponsors will present a recommended path forward for the path forward for the following project nearing the end of its 20-year life and requesting approval for project closeout with no additional cost increase:

BA-37	Little Lake Shoreline Protection & Marsh Creation	NMFS	30-Mar-27
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a. 20-YEAR PROJECT LIFE

- (1) As defined by CWPPRA, the term “life of the project” shall mean 20 years from the completion of construction of the project or functional portion of the project. For multiple phased construction, the project life is considered from the end of construction of the last phase.
- (2) Upon meeting its 15th year of life, a project will be reviewed by the project sponsors and a recommendation made to the TC as to the appropriate path forward at the spring meeting. In general, a project may take one of four defined paths: 1) project close-out (no feature removal), 2) project close-out (partial or complete feature removal), 3) project transfer to another entity, or 4) project extension.
- (3) A matrix may be found in APPENDIX D that details each defined path and includes required activities for the project to be approved by the TF for each path.
- (4) When the 20-year life is met for a completed project the TF will acknowledge the action and project path selected for the permanent record.

b. PROJECT CLOSE-OUT

- (1) The project sponsors shall keep books, records, documents, and other evidence pertaining to costs and expenses incurred by the project to the extend and in such detail as will properly reflect total project costs. The project sponsors shall maintain such books, records, documents, and other evidence for a minimum of three years after completion of construction, OMRR&R, and monitoring of the project and resolution of all relevant claims arising there from, and shall make available at their offices at reasonable times, such books, records, documents, and other evidence for inspection and audit by authorized representatives of the project sponsors.
- (2) Upon completion of all work and certification by the federal sponsor of the final accounting on the project, the COE shall release any excess project funds from the escrow account and/or reimburse the local sponsor for any overpayment of their cost sharing requirements, provided funds are available, in accordance with the provisions of the applicable cost sharing agreement and the escrow agreement.
- (3) If the COE advances funds to a federal sponsor for a project, any excess funds identified at the completion of the project shall be returned to the COE for credit to the CWPPRA accounts.
- (4) Any excess funds in an escrow account shall be returned to the local sponsor, or at its option, transferred to another project in accordance with Section 5.c(4).
- (5) Project sponsors shall prepare a brief report summarizing the project features, costs, and effectiveness. Upon completion of the funded project life, the project sponsors shall inform the TC of their intent to extend or terminate the project under the CWPPRA program.

q. PROJECT DEAUTHORIZATION, INACTIVATION, OR TRANSFERS TO OTHER PROGRAMS

- (1) If the project sponsors agree that it is necessary to deauthorize a project prior to construction, then they shall submit a letter to the TC requesting approval by the TF to deauthorize the project and explaining the reasons for the request.

If the project sponsors do not agree to deauthorize a project prior to construction, then either party or the chair of the P&E may submit a letter to the TC requesting approval by the TF to deauthorize the project and explaining their reasons for the request.

If circumstances warrant transfer of a project to an alternate authority, either as directed by programmatic Congressional authorization or voluntarily requested by a separate authority, then that receiving authority, in coordination with the project sponsors, shall submit a letter to TC requesting the transfer and explaining the reasons for the transfer.

- (2) The TC will forward to the TF a recommendation concerning deauthorization or transfer of the project. Nothing herein shall preclude the federal sponsor, local sponsor, or a receiving authority from bringing a request for deauthorization or transfer to the TF irrespective of the recommendation of the TC.
- (3) Upon submittal of a request for deauthorization or transfer the TC, all parties shall suspend all future obligations and expenditures as soon as practicable until the issue is resolved.
- (4) Upon receiving preliminary approval from the TF to deauthorize or transfer a project, the Chairman of the TC shall send notice to the Louisiana Congressional delegation, the State House and Senate Natural Resources Committee chairs, the State Senator(s) and State Representatives(s) in whose district the project falls, senior parish officials in the parish(es) where the project is located, any landowners whose property would be directly affected by the project, any interested parties, requesting their comments and advising them a final decision on deauthorization or transfer will be made at the next TF meeting.
- (5) If the TF determines that a project should be transferred to another authority, the project sponsors shall provide a chronological summary of all work completed to date; identify any outstanding issues; and provide all project information to the receiving authority, including acquired data, engineering and design analyses, and project documents. The project sponsors shall host an information transfer meeting with appropriate representatives of the receiving authority. The purpose of the meeting is to review project status and details regarding work accomplished to date. Expenditures of CWPPRA funds to re-package project information, conduct additional analyses, or acquire new data or information are not anticipated and shall require explicit approval by the TF.

- (6) When the TF determines that a project should be abandoned or no longer pursued because of economic or other reasons or transferred to another authorization, all expenditures shall cease immediately or as soon as practicable if the project is deauthorized or after information is transferred to another authority according to Section 6.q(5) to another authority. The TC will notify Congress and the State House and Senate Natural Resources Committee chairs of the decision.
- (7) Once a project is deauthorized or transferred by the TF, it shall be categorized as “deauthorized” or “transferred” and closed-out as required by Section 6.p.
- (8) At the discretion of the TF, unconstructed projects that are considered feasible but have not been funded for construction due to programmatic issues (e.g., high costs, cost share agreement issues, etc.) and have completed a 95% Design Review may be considered for inactivation. If this occurs, all project funding will be returned to the program. If conditions (e.g., economic and/or programmatic) change, the project sponsors may request consideration from the TC to return to active status with an updated funding request. Upon approval by the TF, the project will be placed back into active status. If not approved, the project will remain inactive until conditions do change, or the project is transferred to an entity outside of the CWPPRA program. A project placed in an inactive status does not preclude it from being transferred to a willing party if approved by the TF.

r. PROJECT TRANSFERS TO AN ALTERNATE FEDERAL AGENCY

- (1) A member of the TC, TF, or any entity (parish, landowner, others) may request that a project be transferred to an alternate federal sponsor by submitting a request to the TC for consideration.
- (2) The TC will forward to the TF a recommendation concerning transfer of the project and give an explanation for the transfer. Nothing herein shall preclude a formal request for transfer by a member (or representative) to the TF irrespective of the recommendation of the TC.
- (3) Upon submittal of a request for transfer to the TC, all parties shall suspend all future obligations and expenditures as soon as practicable, until the issue is resolved.
- (4) Thereafter, the TC can recommend the TF to consider the action to be voted on by all members of the TF.
- (5) If the TF approves transferring the project to an alternate federal sponsor, the transferring federal sponsor shall notify parish officials in the parish(es) where the project is located, any landowners whose property would be directly affected by the project, and any other interested parties.
- (6) If the TF decides that project will be transferred to another lead agency, the transferring federal sponsor, along with the local sponsor, shall host an information

exchange meeting with appropriate representatives of the receiving federal sponsor within 90 days. The purpose of the meeting is to review project status and details regarding work accomplished to date. Information to be provided will include but not be limited to:

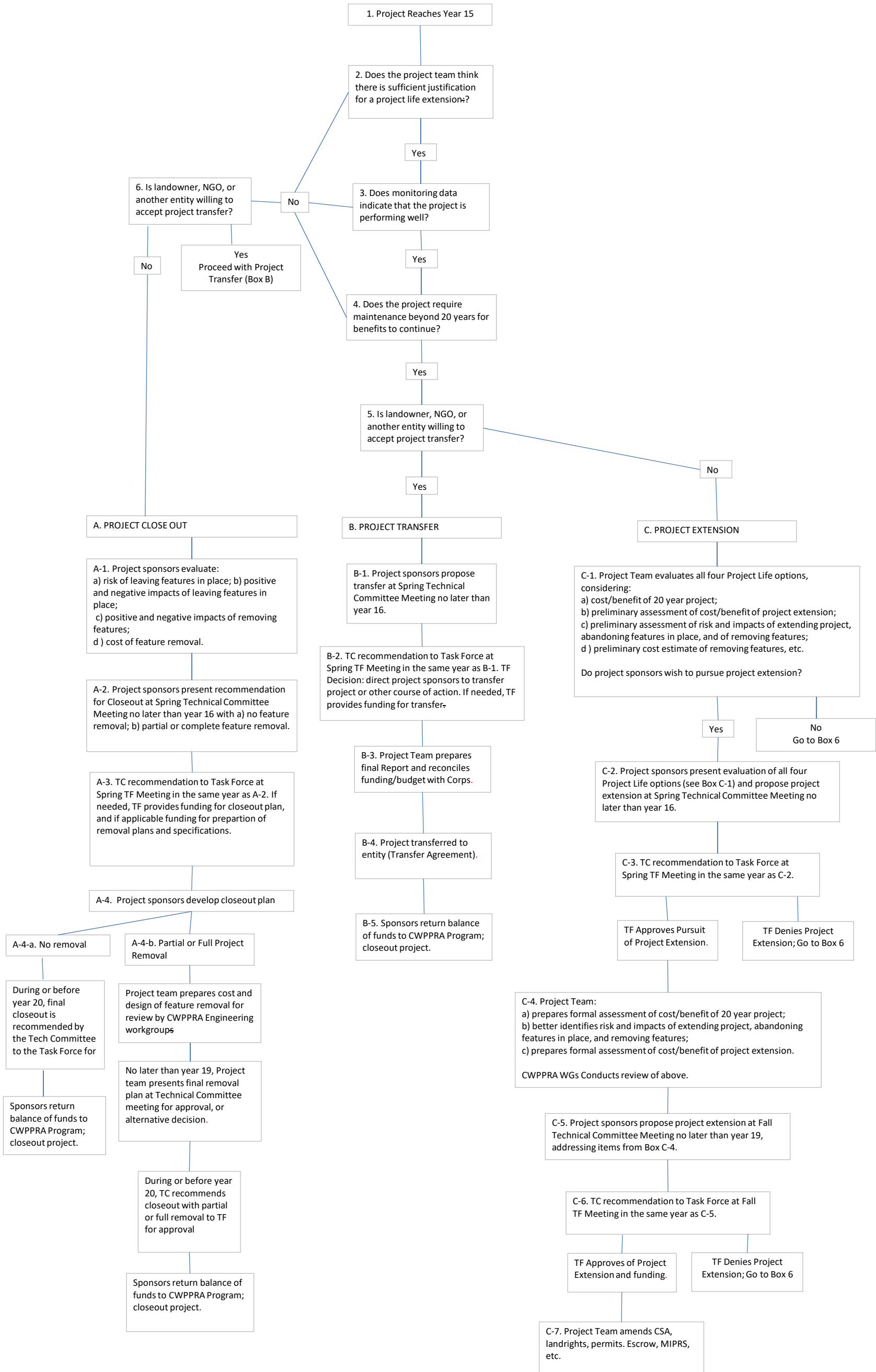
- (a) A chronological summary of all work completed to date
 - (b) Full accounting of all expenditures
 - (c) Agreement on work-in-kind credits to date
 - (d) A full discussion of all outstanding obligations
 - (e) A full discussion of any outstanding issues
 - (f) All current project information, including all acquired data, engineering and design documents, real estate plans, assurance of NEPA compliance, certifications and permits (when applicable). Depending on the situation, a permit transfer or a new permit will likely be required by the new federal sponsor.
- (7) A project transfer will be considered completed when the TF meeting referenced in (6) is held and the receiving federal agency has informed the TF in writing that all conditions pertaining to project transfers have been completed. Responsibility for all expenditures and obligations shall be assumed immediately by the receiving federal sponsor.

s. **STORM RECOVERY PROCEDURES CONTINGENCY FUND**

- (1) The TF created a Storm Recovery Procedures Contingency Fund under the Construction program, in the amount of \$303,358.92 on October 18, 2006 with immediate approval of \$203,358.92 in support of Katrina/Rita expenditures, leaving a remaining balance in the contingency fund of \$100,000.
- (2) The contingency fund would maintain a balance of \$100,000 at all times to cover the cost of assessment of future storm damage. Expenditures of funding in excess of \$100,000 would require a vote by the TF.

t. **STANDARD OPERATING PROCEDURES AMENDMENTS AND TRACKING**

An official, current version of these Standard Operating Procedures shall be maintained by the COE New Orleans District as part of their support of the TC. This document shall be available on the internet as well. Approval will involve, at a minimum, formal acceptance by the TC at a regularly scheduled meeting. If the changes involve policy-level decisions, then any such changes must also be ratified by the TF.



Notes:
If the 15 year recommendation changes before year 20, a brief must be given to the TC/TF.
An annual P&E Subcommittee call is held in Spring to track all projects in or passed year 15.

Type	Proj No.	Project	Agency	Construction Complete	20 year Life Expires	Recommendation Due (yr 15)	Funds Remaining	Status	Notes (including information on cost increases)
Marsh Creation	PO-17	Bayou LaBranche Wetland Creation	COE	7-Apr-94	7-Apr-14	7-Apr-09	\$6,344	Closed out	TF approved close out
Shoreline Protection	ME-09	Cameron Prairie National Wildlife Refuge SP	FWS	9-Aug-94	9-Aug-14	9-Aug-09	\$165,466	Closed out	TF approved close out
Shoreline Protection	CS-18	Sabine National Wildlife Refuge Erosion Protection	FWS	1-Mar-95	1-Mar-15	1-Mar-10	\$292,669	Closed out	TF approved close out
Shoreline Protection	TV-09	Vermillion Bay/Boston Canal SP	NRCS	30-Nov-95	30-Nov-15	30-Nov-10	\$140,203	Closed out	TF approved close out (no \$ increases)
Shoreline Protection	TV-03	Vermillion River Cutoff Bank Protection	COE	11-Feb-96	11-Feb-16	11-Feb-11	\$35,852	Closed out	TF approved close out
Marsh Management	CS-20	East Mud Lake Marsh Management	NRCS	15-Jun-96	15-Jun-16	15-Jun-11	\$878,456	Closed out	TF approved close out with \$ increases
Marsh Creation	BA-19	Barataria Bay Waterway Wetland Creation	COE	15-Oct-96	15-Oct-16	15-Oct-11	\$0	Closed out	TF approved close out
Shoreline Protection	CS-22	Clear Marais Shoreline Protection	COE	3-Mar-97	3-Mar-17	3-Mar-12	\$299,776	Closed out	TF approved close out
Hydrologic Restoration, Shoreline Stabilization	TE-22	Point au Fer Canal Plugs	NMFS	8-May-97	8-May-17	8-May-12	\$2,207,740	Closed out	TF approved close out
Hydrologic Restoration	PO-18	Bayou Sauvage #2	FWS	28-May-97	28-May-17	28-May-12	\$204,534	Closed out	TF approved 6-year no cost extension
Sediment Diversion	MR-06	Channel Armor Gap Crevasse	COE	2-Nov-97	2-Nov-17	2-Nov-12	\$117,702	Closed out	TF approved close out
Hydrologic Restoration, Marsh Creation, Dredged Material	AT-02	Atchafalaya Sediment Delivery	NMFS	21-Mar-98	21-Mar-18	21-Mar-13	\$170,059	Closed out	TF approved close out
Shoreline Protection, Dredged Material	TE-23	West Belle Pass Barrier Headland Restoration	COE	15-Aug-98	15-Aug-18	15-Aug-13	\$170,437	Closed out	TF approved close out
Hydrologic Restoration, Marsh Creation, Dredged Material	AT-03	Big Island Mining	NMFS	8-Oct-98	8-Oct-18	8-Oct-13	\$142,350	Closed out	TF approved close out
Marsh Creation	PO-19	MRGO Disposal Area Marsh Protection	COE	29-Jan-99	29-Jan-19	29-Jan-14		Closed out	TF approved close out
Shoreline Protection	CS-24	Perry Ridge Shore Protection	NRCS	15-Feb-99	15-Feb-19	15-Feb-14	\$386,345	Closed out	TF approved close out
Hydrologic Restoration, Marsh Creation	TE-26	Lake Chapeau Sediment Input & Hydrologic Restoration	NMFS	18-May-99	18-May-19	18-May-14	\$939,928	Closed out	TF approved close out
Barrier Island Restoration	TE-20	Isles Dernieres East Island	EPA	15-Jun-99	15-Jun-19	15-Jun-14	\$127,994	Closed out	TF approved close out
Barrier Island Restoration	TE-24	Isles Dernieres Trinity Island	EPA	15-Jun-99	15-Jun-19	15-Jun-14	\$5,872	Closed out	TF approved close out
Shoreline Protection, Sediment Trapping	TV-12	Little Vermillion Bay Sediment Trapping	NMFS	20-Aug-99	20-Aug-19	20-Aug-14	\$113,250	Closed out	TF approved close out
Hydrologic Restoration	CS-21	Highway 384 Hydrologic Restoration	NRCS	7-Jan-00	7-Jan-20	7-Jan-15	\$332,659	Closed out	Approved early close out with \$5 Oct 2017
Barrier Island Restoration	TE-30	East Timberlier Island, Ph 2	NMFS	15-Jan-00	15-Jan-20	15-Jan-15	\$52,084	Closed out	TF approved early close out
Hydrologic Restoration	TE-28	Brady Canal Hydrologic Restoration	NRCS	22-May-00	22-May-20	22-May-15	\$725,432	Closed out	Task Force approved closeout
Barrier Island Restoration	TE-27	Whiskey Island Restoration	EPA	15-Jun-00	15-Jun-20	15-Jun-15		Closed out	TF approved close out
Hydrologic Restoration	BA-02	BA2-GIWW to Clovelly	NRCS	31-Oct-00	31-Oct-20	31-Oct-15	\$2,117,356	Closed out	Task Force approved closeout
Shoreline Protection	BA-23	Barataria Bay Waterway West Side Shoreline Protection	NRCS	1-Nov-00	1-Nov-20	1-Nov-15	\$35,102	Closed out	TF approved Jan 2020 for close out
Hydrologic Restoration	PO-06	Fritchlie Marsh Restoration	NRCS	1-Mar-01	1-Mar-21	1-Mar-16	\$295,190	Closed out	TF approved Jan 2020 close out
Barrier Island Restoration	TE-25	East Timbalier Island Sediment Restoration (Phase 1)	NMFS	1-May-01	1-May-21	1-May-16	(\$13,374)	Closed out	TF approved early close out
Shoreline Protection	BA-26	Barataria Bay Waterway East Side Shoreline Protection	NRCS	31-May-01	31-May-21	31-May-16	(\$881,962)	Closed out	TF approved Jan 2020 close out
Vegetative Plantings, Animal Removal	BA-28	Vegetative Plantings on Grand Terre Island	NMFS	30-Jul-01	30-Jul-21	30-Jul-16	\$0	Closed out	TF approved early close out
Barrier Island Restoration	PO-27	Chandeleur Islands Marsh Restoration	NMFS	31-Jul-01	31-Jul-21	31-Jul-16		Closed out	TF approved early close out
Hydrologic Restoration	TV-14	Marsh Island Hydrologic Restoration	COE	12-Dec-01	12-Dec-21	12-Dec-16	\$691,800	Closed out	Task Force approved closeout
Shoreline Protection	PO-22	Bayou Chevee Shoreline Protection	COE	17-Dec-01	17-Dec-21	17-Dec-16	\$125,617	Closed out	TF approved Jan 2020 Close Out with Cost Increase (signage)
Marsh Creation	CS-28-1	Sabine Refuge Marsh Creation, Cycle 1	COE	26-Feb-02	26-Feb-22	26-Feb-17	\$0	Closed out	TF approved close-out
Outfall Management	BA-03c	Naomi Outfall Management	NRCS	15-Jul-02	15-Jul-22	15-Jul-17	\$108,215	Closed out	TF approved Jan 2020 Close Out with Cost Increase
Shoreline Protection	CS-30	GIWW-Perry Ridge West Bank Stabilization	NRCS	31-Jul-02	31-Jul-22	31-Jul-17	\$328,366	Closed out	Recommended Close Out - May 2019
Shoreline Protection	CS-11b	Sweet Lake/Willow Lake Hydrologic Restoration	NRCS	2-Oct-02	2-Oct-22	2-Oct-17	\$490,199	Closed out	Recommended Close Out - May 2019
Hydrologic Restoration	TV-13a	Oaks/Avery Canal Hydrologic Restoration	NRCS	11-Oct-02	11-Oct-22	11-Oct-17	\$651,041	Closed out	TF approved for closeout May 2021
Hydrologic Restoration	ME-11	Humble Canal Hydrologic Restoration	NRCS	1-Mar-03	1-Mar-23	1-Mar-18	\$155,458	Close out approved	TF approved May 2022 project transfer, 2-yr time ext., and additional \$\$
Shoreline Protection	CS-31	Holly Beach Sand Management	NRCS	31-Mar-03	31-Mar-23	31-Mar-18	\$83,633	Close out approved	TF approved Jan 2020 close out
Sediment and Nutrient Trapping	ME-14	Pecan Island Terracing	NMFS	10-Sep-03	10-Sep-23	10-Sep-18	\$134,206	Close out approved	TF approved Jan 2020 close out
Hydrologic Restoration	CS-27	Black Bayou Hydrologic Restoration	NMFS	3-Nov-03	3-Nov-23	3-Nov-18	\$5,697,740	Close out approved	TF approved Jan 2020 close out
Shoreline Protection	TV-17	Lake Portage Land Bridge	NRCS	15-May-04	15-May-24	15-May-19	\$41,514	Close out approved	TF approved Jan 2020 close out
Sediment and Nutrient Trapping	TV-18	Four Mile Canal Terracing and Sediment Trapping	NMFS	23-May-04	23-May-24	23-May-19	\$131,997	Close out approved	TF approved Jan 2020 close out
Shoreline Protection	ME-19	Grand-White Lake Landbridge Restoration	FWS	1-Oct-04	1-Oct-24	1-Oct-19	\$1,037,417	Close out approved	TF approved Jan 2020 close out
Hydrologic Restoration	PO-24	Hopedale Hydrologic Restoration	NMFS	15-Jan-05	15-Jan-25	15-Jan-20	\$283,518	Close out approved	TF approved Jan 2020 close out
Sediment and Nutrient Trapping	TV-15	Sediment Trapping at the Jaws	NMFS	19-May-05	19-May-25	19-May-20	\$308,733	Close out approved	TF approved Jan 2020 close out
Shoreline Protection	ME-22	South White Lake Shoreline Protection	COE	29-Aug-06	29-Aug-26	29-Aug-21	\$213,667	Close out approved	TF approved for closeout May 2021
Sediment and Nutrient Trapping	BS-11	Delta Management at Fort St. Phillip	FWS	14-Dec-06	14-Dec-26	14-Dec-21	\$427,997	Close out approved	TF approved for closeout May 2021
Hydrologic Restoration, Shoreline Stabilization	ME-04	Freshwater Bayou Wetland Protection	NRCS	19-Mar-95	19-Mar-15	15-Aug-13	\$4,167,558	Extended (20)	TF approved 20yr extension with \$
Hydrologic Restoration	CS-17	Cameron Creole Plugs	FWS	28-Jan-97	28-Jan-17	28-Jan-12	\$984,700	Extended (20)	TF approved 20yr extension with \$
Hydrologic Restoration	CS-04a	Cameron-Creole Maintenance	NRCS	30-Sep-97	30-Sep-17	30-Sep-12	\$8,795,354	Extended (20)	TF approved 20yr extension with \$
Shoreline Protection	ME-13	Freshwater Bayou Bank Stabilization	NRCS	15-Jun-98	15-Jun-18	15-Jun-13	\$3,597,272	Extended (20)	TF approved 20yr extension with \$
Coastwide Herbivory Control	LA-03b	Coastwide Nutria Control Program	NRCS	30-Aug-02	30-Aug-22	30-Aug-17	\$555	Extended (20)	Project Extension Recommended Oct 2019
Hydrologic Restoration	PO-16	Bayou Sauvage Hydrologic Restoration #1	FWS	30-May-96	30-May-16	30-May-11	\$194,347	Extended (other)	TF approved 6-year no-cost extension
Hydrologic Restoration	TV-04	Cote Blanche Hydrologic Restoration	NRCS	15-Dec-98	15-Dec-18	15-Dec-13	\$695,195	Extended (other)	TF approved (x4) May 21 - closeout + 5 year ext w/budget increase (18 DEC 2026)
Outfall Management	BS-03a	Caernarvon Diversion Outfall Management	NRCS	19-Jun-02	19-Jun-22	19-Jun-17	\$235,323	Extended (other)	TF approved 2 year extension on close out date of Jun 2022 to June 2024
Marsh Management	CS-23	Sabine Refuge Structure Replacement (Hog Island)	FWS	10-Sep-03	10-Sep-23	10-Sep-18	\$1,992,127	Extension Request Approved	TF approved final request for 20 yr extension OCT 2021
Water Diversion	MR-03	West Bay Sediment Diversion	COE	28-Nov-03	28-Nov-23	28-Nov-18	\$6,224,151	Extension Request Approved	TF approved final request for 20 yr extension Jan 2023
Water Diversion	MR-09	Delta Wide Crevasse	NMFS	1-May-05	1-May-25	1-May-20	\$1,061,402	Extension Request Approved	TF approved final request for ext. w/ cost incr. Oct 2023
Shoreline Protection	BA-27d	Barataria Basin Landbridge Shoreline Protection, Phase 4	NRCS	26-Apr-06	26-Apr-26	26-Apr-21	\$6,229,826		NRCS anticipates recommending closeout in 2024
Hydrologic Restoration	ME-16	Freshwater Introduction South of Highway 82	FWS	13-Dec-06	13-Dec-26	13-Dec-21	\$148,209		update?
Marsh Creation, Shoreline Protection	BA-37	Little Lake Shoreline Protection/Dedicated Dredging near Round Lake	NMFS	30-Mar-07	30-Mar-27	30-Mar-22	\$556,532		NMFS requesting recommendation for close out w/o removal in April 2023
Barrier Island Restoration	TE-37	New Cut Dune and Marsh Restoration	EPA	30-Sep-08	30-Sep-28	30-Sep-23	\$281,936		
Marsh Creation	PO-33	Goose Point/Point Platte Marsh Creation	FWS	12-Feb-09	12-Feb-29	12-Feb-24	\$171,466		
Shoreline Protection	BA-27	Barataria Basin Landbridge Shoreline Protection, Phase 1&2	NRCS	5-Mar-09	5-Mar-29	5-Mar-24	\$963,310		
Barrier Island Restoration	TE-40	Timbalier Island Dune & Marsh Restoration	EPA	19-Mar-09	19-Mar-29	19-Mar-24	\$176,462		
Hydrologic Restoration	CS-32	East Sabine Lake Hydrologic Restoration	FWS	11-Aug-09	11-Aug-29	11-Aug-24	\$1,063,089		
Barrier Island Restoration	BA-35	Pass Chaland to Grand Bayou Pass Barrier Shoreline Restoration	NMFS	25-Aug-09	25-Aug-29	25-Aug-24	\$2,500,376		
Marsh Creation, Vegetative Planting, Dredged Material	TE-44	North Lake Mechant Landbridge Restoration	FWS	16-Dec-09	16-Dec-29	16-Dec-24	\$797,634		
Hydrologic Restoration	CS-29	Black Bayou Culverts Hydrologic Restoration	NRCS	26-Jan-10	26-Jan-30	26-Jan-25	\$1,679,053		
Marsh Creation	CS-28-2	Sabine Refuge Marsh Creation, Cycle 2	COE	28-Feb-10	28-Feb-30	28-Feb-25	\$2,879,353		
Shoreline Protection	PO-30	Lake Borgne Shoreline Protection	EPA	12-Apr-10	12-Apr-30	12-Apr-25	\$1,037,335		
Marsh Creation	BA-36	Dedicated Dredging on the Barataria Basin Landbridge	FWS	15-Apr-10	15-Apr-30	15-Apr-25	\$74,316		
Barrier Island Restoration	TE-50	Whiskey Island Back Barrier Marsh Creation	EPA	18-Jun-10	18-Jun-30	18-Jun-25	\$135,212		
Marsh Creation	CS-28-3	Sabine Refuge Marsh Creation, Cycle 3	COE	30-Sep-10	30-Sep-30	30-Sep-25	\$138,412		
Marsh Creation, Shoreline Protection	TE-46	West Lake Boudreaux Shoreline Protection and Marsh	FWS	4-Apr-11	4-Apr-31	4-Apr-26	\$1,719,414		
Freshwater Diversion, Shoreline Protection	TE-39	South Lake Decade Freshwater Introduction	NRCS	12-Jul-11	12-Jul-31	12-Jul-26	\$51,076		
Marsh Creation	TV-21	East Marsh Island Marsh Creation	NRCS	22-Jul-11	22-Jul-31	22-Jul-26	\$96,074		
Hydrologic Restoration	TE-34	Penchant Basin Natural Resources Plan, Increment 1	NRCS	24-Aug-11	24-Aug-31	22-Aug-26	\$1,930,050		
Hydrologic Restoration	BA-20	Jonathan Davis Wetland Restoration	NRCS	12-Jan-12	12-Jan-32	12-Jan-27	\$6,017,070		
Shoreline Protection	BA-41	South Shore of the Pen Shoreline Protection & Marsh Creation	NRCS	6-Jun-12	6-Jun-32	6-Jun-27	\$1,335,453		
Barrier Island Restoration	BA-38	Pelican Island and Pass La Mer to Chaland Pass	NMFS	28-Nov-12	28-Nov-32	28-Nov-27	\$803,056		
Marsh Protection, Shoreline Protection	TE-48	Raconon Island Shoreline Protection/Marsh Creation	NRCS	27-Apr-13	27-Apr-33	27-Apr-28	\$414,286		
Marsh Creation, Shoreline Headland	TE-52	West Belle Pass Barrier Headland Restoration Project	NMFS	4-Jun-13	4-Jun-33	4-Jun-28	\$2,044,652		
Shoreline Protection	TE-43	GIWW Bank Restoration of Critical Areas	NRCS	24-Mar-14	24-Mar-34	24-Mar-29	\$751,038		
Marsh Creation	BA-42	Lake Hermitage Marsh Creation	FWS	19-May-15	19-May-35	19-May-30	\$274,813		
Marsh Creation	CS-28-4-5	Sabine NWR Marsh Creation Unit 1a and South	FWS	30-May-15	30-May-35	30-May-30	\$189,600		
Marsh Creation, Ridge Creation	BA-48	Bayou Dupont Marsh Restoration and Ridge Creation	NMFS	30-Sep-15	30-Sep-35	30-Sep-30	\$262,334		
Marsh Creation, Ridge Restoration	BA-68	Grand Liard Marsh and Ridge Restoration	NMFS	1-Oct-15	1-Oct-35	1-Oct-30	\$285,358		
Shoreline Protection	BA-27c	Barataria Landbridge Shoreline Protection Phase 3, CU 7&8	NRCS	31-Dec-16	31-Dec-36	31-Dec-31	(\$94,089)		
Marsh Creation	BA-164	Bayou Dupont Sediment Delivery - Marsh Creation #3 and Terracing	EPA	29-Jun-17	29-Jun-37	29-Jun-32	\$241,371		
Shoreline Protection	ME-21	Grand Lake Shoreline Protection	NRCS	7-Jul-17	7-Jul-37	7-Jul-32	\$29,157		

20-YEAR LIFE INFORMATION PACKAGE

March 2, 2023

Project Name

Little Lake Shoreline Protection & Marsh Creation (BA-037)

Project Sponsors

National Ocean and Atmospheric Administration (NOAA)/National Marine Fisheries Service (NMFS) and Louisiana Coastal Protection and Restoration Authority (CPRA)

Project Location

Barataria Basin, Lafourche Parish, Louisiana

Primary Project Goal

The purpose of the project is to prevent erosion and reduce the land-loss rates in the project vicinity over the 20-year life of the project along the Little Lake shoreline. The project area consists of 1,374 acres of intermediate marsh and open water habitat found along the southern lake rim of Little and Round Lakes. The shoreline protection phase of this restoration project extends for 25,976 LF from the eastern bank of the Breton Canal to the western bank of John the Fool Bayou along the southern shoreline of Little and Round Lakes. The marsh creation and nourishment phase of the BA-37 project forms its eastern border with the western bank of John the Fool Bayou, its western border with the eastern bank of the Tennessee Gas Pipeline Canal, and its northern border with the southern Round Lake shoreline. The Bayou L'Ours Ridge lies directly south of the project, and the Louisiana Offshore Oil Port's (LOOP) oil storage caverns and brine retention pond are situated southwest of the project.

Constructed Feature(s)

Creation of 488 acres of intertidal wetlands along Little Lake Shoreline; nourish and maintain 532 acres of intermediate marsh. Approximately 25,976 LF of shoreline protection via rock breakwaters.

Construction Date / 20-Year Life Date

August 2007/ August 2027

Maintenance Events

While a roughly \$6.9 M rock breakwater lift was budgeted for year 5 post-construction, annual surveys indicated that the breakwaters were in adequate condition and this item has been deferred.

In June 2018, a maintenance event consisted of constructing a shoreline protection rock dike in open water along the shoreline of Little Lake using rock repurposed from the original Segments No. 1 and a portion of Segment No. 2 of the then existing rock dike. The new dike was constructed perpendicular to the existing dike to protect existing marsh behind it.

Current Fully Funded Cost

\$29,516,673

Current Monitoring and O&M Budget Balance

Monitoring Budget/Balance: \$98,137/\$52,112

O&M (Approved) Budget/Balance: \$1,526,336/\$506,596

O&M Available for Approval (i.e. O&M unapproved increments): \$6,075,189

20-Year Life Decision Matrix*Matrix Box 1: Project Reaches Year 15*

Project reached year 15 in late March 2022.

Matrix Box 2: Does the project team think there is sufficient justification for a project life extension?

Decision:

No. Portions of the rock are no longer protecting marsh. In 2021, Hurricane Ida destroyed the vast majority of marsh that was protected. Given planning in the area, the better option would likely be to develop a new project for the area versus extending this one.

Matrix Box 6. Is landowner, NGO, or another entity willing to accept project transfer?

Decision:

Unlikely. No other entities have currently been contacted regarding transfer of the project. As far as any features requiring continued maintenance, the project transfer would involve transfer of the rock breakwater and signage associated with it.

*Matrix Box A-1. A-1. Project sponsors evaluate:**a) risk of leaving features in place;*

The marsh creation area and associated rock protection pose little risk; however, the rock breakwater to the north of the marsh creation cell could pose a navigational hazard. Additionally the rock breakwater to the east of the marsh creation cell is becoming more stranded due to adjacent marsh losses.

b) positive and negative impacts of leaving features in place;

Positive:

- The rock can be repurposed for future use in the area where there is need.
- There is some benefit of protection from wind-generated wave erosion from the north for the marsh creation area and remnant marsh.

Negative:

- The rock breakwater poses a navigational hazard.

c) positive and negative impacts of removing features;

Positive:

- Removal of the rock breakwater would be administratively easier while there were associated funds available from the project.

Negative:

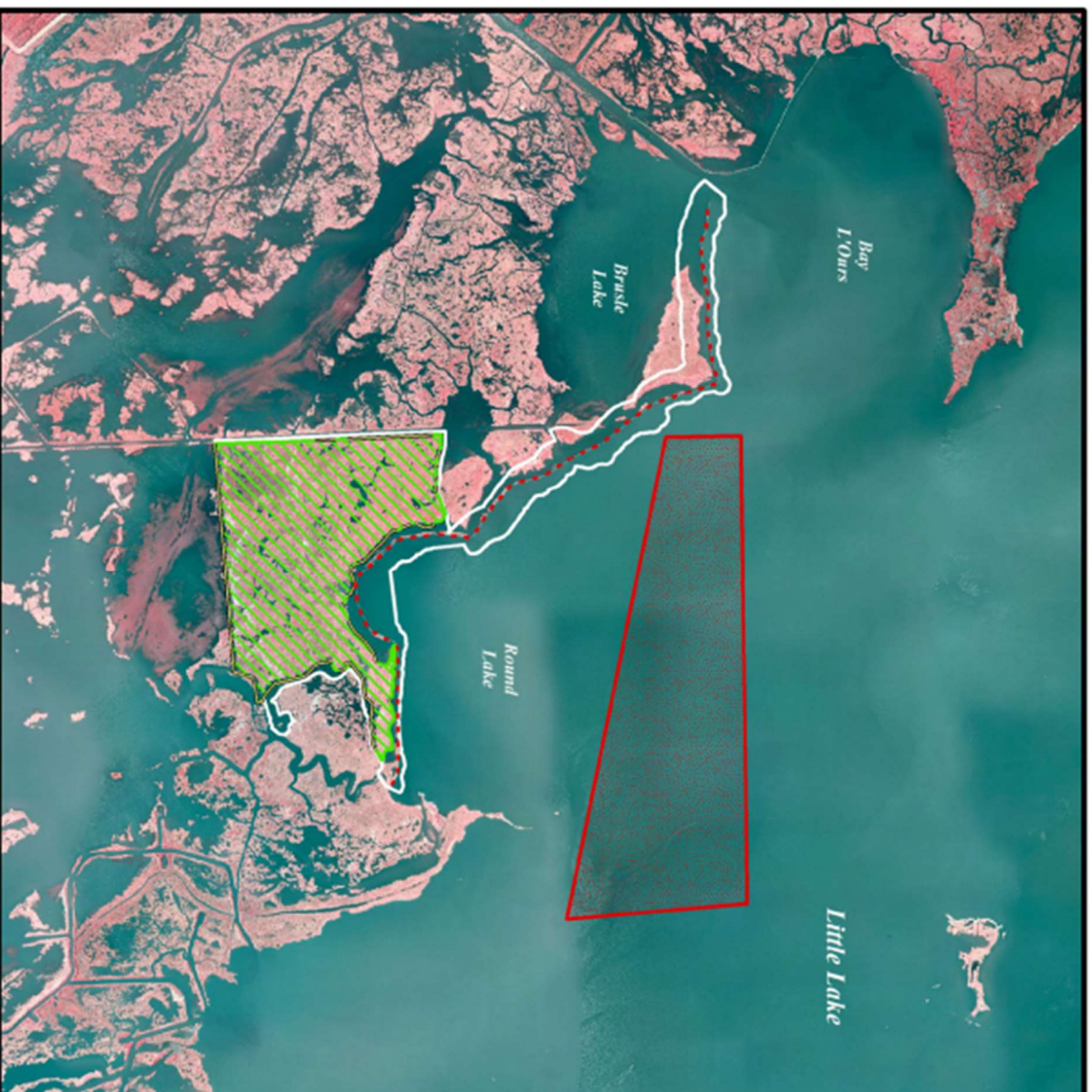
- There would be some induced environmental disturbance from the removal of the rock breakwater in varying degrees along its existing length.
- There will be a cost associated with the removal and it will not have an ecological benefit to the CWPPRA program.

d) cost of feature removal.

Partial breakwater removal for the most stranded segments would range from \$5M to \$7M.

A-2. Project sponsors present recommendation for Closeout at Spring Technical Committee Meeting no later than year 16 with a) no feature removal; b) partial or complete feature removal.

The project team is currently recommending no feature removal. The project team is continuing to look for options for the rock feature that will not require partial/full removal. While the project team will continue to assess available options for the project area, by 2025, they should have better information on what some more realistic options for the rock feature may be.



Little Lake Shoreline Protection/Dedicated Dredging Near Round Lake (BA-37)

- Rock Dike
- Earthen Containment Dike
- Borrow Site
- Marsh Creation
- Project Boundary



Map Produced by:
U.S. Department of the Interior
U.S. Geological Survey
National Wetlands Research Center
Coastal Restoration Assessment Branch
Baton Rouge, La.

Background Imagery:
2012 Digital Orthophoto Quarter Quadrangle
Map Date: September 28, 2015
Map ID: USGS-NWRC 2015-1-0045
Data accurate as of: September 1, 2015

[illegible]

[illegible]

This page contains information used to define ratings for the Consequence, Likelihood, and Confidence columns.

The Risk Rating is calculated based on the Likelihood and Consequence ratings according to the table below.

		Determination of Risk Rating				
		Consequence Rating				
		High	Medium	Low	None	
Likelihood Rating	High	High	High	Medium	None	Yes
	Medium	High	Medium	Low	None	No
	Low	Medium	Low	Low	None	
	None	None	None	None	None	Day Lighted

Consequence Rating

- High—the consequence of this risk is unacceptable
- Medium—the consequence of this risk can be tolerated
- Low—the consequence of this risk is of relatively insignificant concern
- None--there are no undesirable consequences associated with the proposed action

Likelihood Rating

- High

Medium

Low

None
- High—the undesirable consequence is more likely than not to occur
 - Medium—the undesirable consequence is about as likely to occur as not occur
 - Low—the undesirable consequence is more likely not to occur than to occur
 - None—the probability of undesirable consequence is zero or so low as to be effectively treated as a zero based on evidence.

Confidence Rating

- High-all relevant facts are known
- Medium-good evidence is available, data gaps are not significant
- Low-there is some good evidence and but the data gaps include some significant ones
- None-there is little to no concrete evidence available

- Study Risk
- Implementation Risk
- Outcome Risk

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

MAY 4, 2023

REQUEST TO INITIATE TRANSFER OF THE LONG POINT BAYOU MARSH CREATION (CS-85) PROJECT

For Decision:

EPA and CPRA are requesting Task Force approval based on the Technical Committee recommendation to initiate transfer of the Long Point Bayou Marsh Creation (CS-85) Project. CS-85 was approved by the Task Force in January 2019 (PPL 28) with a Phase 1 budget of \$2.29M and a fully funded cost of \$13M. EPA and CPRA successfully completed engineering and design to the 95% level in December 2021. During the final phase of engineering and design, NRDA Trustees overseeing compensation for injuries resulting from an unauthorized discharge of oil at the CITGO Petroleum Corporation's (CITGO) Lake Charles Manufacturing Complex in 2006, recommended this project as part of the restoration actions. In October 2022, the U.S. Army Corps of Engineers awarded a maintenance dredging contract for the Calcasieu Ship Channel, which included the CS-0085 project as a beneficial use option as an alternative to upland disposal of the dredged material. Since the project was awarded and is being overseen by the USACE, EPA and CPRA recommend the project be officially transferred to the NRDA Trustees. EPA and CPRA will return the remaining Phase I Engineering and Design CWPPRA funds to the program.



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
1201 ELM STREET, SUITE 500
DALLAS, TEXAS 75270

March 16, 2023

Mr. Mark Wingate, P.E.
Deputy District Engineer
U.S. Army Corps of Engineers
New Orleans District
P.O. Box 60267
New Orleans, Louisiana 70160-0267

RE: Long Point Bayou Marsh Creation CWPPRA Project (CS-0085) - Transfer Request

Dear Mr. Wingate:

The U.S. Environmental Protection Agency (EPA) and the Coastal Protection and Restoration Authority (CPRA), as the Lead Agency and Local Sponsor respectively, request the initiation of formal procedures to transfer the Coastal Wetlands Planning, Protection and Restoration Act (CWPPRA) Long Point Bayou Marsh Creation Project (CS-0085).

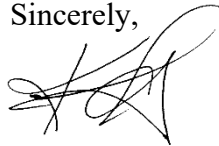
On June 19, 2006, an unauthorized discharge of oil at CITGO Petroleum Corporation's (CITGO) Lake Charles Manufacturing Complex in Calcasieu Parish, Louisiana occurred when two, ten-million-gallon stormwater storage tanks containing waste oil, oily wastewater, and oily sludge at CITGO's Lake Charles Manufacturing Complex overflowed during a rainstorm. An estimated 54,000 barrels (bbl) of waste oil (2,268,000 gallons) and a significant volume of oily wastewater were discharged affecting over 155 miles of shoreline along the Calcasieu River and associated waterbodies. Natural Resource Damage Assessment (NRDA) Trustees assigned for the incident in accordance with the Oil Pollution Act of 1990 (OPA), 33 U.S.C. 2701 *et seq.*, and the Louisiana Oil Spill Prevention and Response Act (OSPRA), La. Rev. Stat. (R.S.) 30:2451 *et seq.*, include the Louisiana Oil Spill Coordinator's Office, Department of Public Safety and Corrections (LOSCO); the Louisiana Department of Environmental Quality (LDEQ); the Louisiana Department of Natural Resources (LDNR); the Louisiana Department of Wildlife and Fisheries (LDWF); the Coastal Protection and Restoration Authority (CPRA); the U.S. Department of the Interior (USDOI), represented by the United States Fish and Wildlife Service (USFWS); and the United States Department of Commerce, represented by the National Oceanic and Atmospheric Administration (NOAA) (collectively the "Trustees"). The Trustees identified the CS-0085 CWPPRA project as a preferred alternative as part of a suite of restoration actions that will adequately restore for the lost natural resources and services resulting from the 2006 unauthorized discharge of oil at CITGO's Lake Charles facility.

In January 2019, the CS-0085 project was authorized for Phase I engineering and design in the CWPPRA program. In October 2021, as the EPA and CPRA were finalizing the 95% design for the CS-0085 project, the Trustees aforementioned published the Draft Damage Assessment and Restoration Plan and Environmental Assessment (DARP) for public comment. Consistent with OPA, OSPRA, and their implementing regulations, the DARP included this project as one of several restoration actions chosen to compensate the public for injuries from the 2006 CITGO oil spill. Having received no

comments, the DARP was approved in November 2021. By December 2021, the EPA and CPRA had successfully completed 95% design for the project, thereby ending Phase I design and expenditure of funds. Final design was completed using NRDA funds from the 2006 CITGO oil spill and those funds are also being used for construction of the CS-0085 project. The U.S. Army Corps of Engineers included the CS-0085 project as a beneficial use option (an alternate to upland disposal) for dredged material in their recent maintenance dredging contract for the Calcasieu Ship Channel, which was awarded in October 2022. Since the U.S. Army Corps of Engineers has awarded the contract for the maintenance dredging and has oversight of construction for the CS-0085 project, the EPA and CPRA recommend the project be officially transferred to the NRDA Trustees.

Please consider this letter as the formal request from the EPA and CPRA to initiate transfer of the CS-0085 project to the NRDA Trustees in accordance with the CWPPRA Standard Operating Procedures. Thank you for your assistance in this effort. Please direct questions regarding this matter to the EPA Project Manager, Patricia A. Taylor, taylor.patricia-a@epa.gov, 214-665-6403.

Sincerely,

A handwritten signature in black ink, appearing to read 'KM', with a stylized flourish at the end.

Karen McCormick

Supervisor

Marine, Coastal and Nonpoint Source Section

cc: Bren Haase, CPRA, Baton Rouge, LA
Patrick Williams, NMFS, Baton Rouge, LA
Britt Paul, NRCS, Alexandria, LA
Kevin Roy, USFWS, Lafayette, LA

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

MAY 4, 2023

**REQUEST TO INITIATE TRANSFER OF THE BAYOU LA LOUTRE RIDGE AND
MARSH RESTORATION (PO-178) PROJECT TO NRDA LA TIG.**

For Decision:

CPRA and NRCS request the CWPPRA Task Force approval based on the Technical Committee recommendation to initiate Transfer of the project to NRDA LA TIG. The project has been included in and approved for construction funding within NRDA LA TIG Restoration Plan/ Environmental Assessment Plan 8.



Coastal Protection and
Restoration Authority of Louisiana

Bayou La Loutre Ridge Restoration and Marsh Creation Project (P0-0178) Official Transfer Request

April 6, 2023



committed to our coast

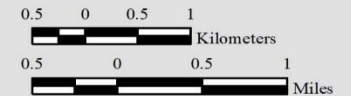
Project Background



Bayou La Loutre Ridge Restoration and Marsh Creation (PO-178)

-  Ridge Restoration *
 -  Marsh Creation *
 -  Project Boundary
- *denotes proposed features

 **USGS**
science for a changing world



Map Produced by:
U.S. Department of the Interior
U.S. Geological Survey
Wetland and Aquatic Research Center
Coastal Restoration Assessment Branch
Baton Rouge, La.

Background Imagery:
2019 NAIP Photography

Map Date: September 22, 2020
Map ID: USGS-NWRC 2020-11-0039
Data accurate as of: September 18, 2020

Project Timeline

Received Authorization for CWPPRA Phase I funding under PPL26 in January 2017

Kickoff meeting and site visit: December 5, 2017

Data Collection: August 2018 – May 2019

30% Design Conference – July 2020

95% Design Conference – October 2020

Phase II funding request: December 2020

Notice of Availability of the *Deepwater Horizon* Oil Spill Louisiana Trustee Implementation Group Draft Restoration Plan/Environmental Assessment #8: Wetlands, Coastal, and Nearshore Habitats (RP/EA #8) was published in the **Federal Register** on March 18, 2022

Data Collection

MCA, the Ridge and Bayou La Loutre

- Topographic and bathymetric surveys by NRCS (Aug 6, 2018 – Oct 12, 2018)
- Magnetometer Surveys and Probing by Fugro (Feb 25, 2019 – March 26, 2019)

Borrow Area in Lake Borgne for Hydraulic Dredging

- Collected as part of the Lake Borgne Marsh Creation project (PO-180)

Geotechnical Investigation (May, 2019)

- S&ME, Inc. (S&ME) (MCA, the Ridge and Bayou La Loutre)
- S&ME, Inc. (S&ME) in association with GeoEngineers Inc. in the Lake Borgne borrow area
- 10 soil borings for the ridge restoration, 9 soil borings in the bayou
- 9 soil borings for the MCA
- 9 soil borings for the marsh creation borrow area

Synergy with Lake Borgne Marsh Creation – Increment One (PO-0180)





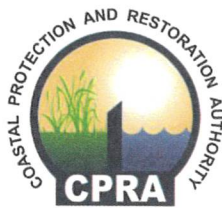
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www.coastal.la.gov



State of Louisiana

JOHN BEL EDWARDS
GOVERNOR

Mr. Mark Wingate, P.E.
Deputy District Engineer
U.S. Army Corps of Engineers
New Orleans District
P.O. Box 60267
New Orleans, Louisiana 70160-0267

RE: Bayou La Loutre Ridge and Marsh Restoration CWPPRA Project (PO-0178) - Transfer Request

Dear Mr. Wingate:

The Coastal Protection and Restoration Authority (CPRA) and Natural Resources Conservation Service (NRCS), as the Lead Agency and Federal Sponsor respectively, request the initiation of formal procedures to transfer the Coastal Wetlands Planning, Protection and Restoration Act (CWPPRA) Bayou La Loutre Ridge and Marsh Restoration Project (PO-0178).

On April 20, 2010, the Deepwater Horizon (DWH) mobile drilling unit exploded, caught fire, and eventually sank in the Gulf of Mexico, resulting in a massive release of oil and other substances from the BP Exploration and Production, Inc. (BP) Macondo well, causing loss of life and extensive natural resource injuries. Initial efforts to cap the well following the explosion were unsuccessful, and for 87 days after the explosion, the well continuously and uncontrollably discharged oil and natural gas into the northern Gulf of Mexico. Approximately 3.19 million barrels (134 million gallons) of oil were released into the ocean. Oil spread from the deep ocean to the surface and nearshore environment from Texas to Florida. The Louisiana Trustee Implementation Group (LA TIG), as assigned in accordance with the Oil Pollution Act of 1990 (OPA), 33 U.S.C. 2701 *et seq.*, includes five Louisiana state Trustee agencies and four federal Trustee agencies: Coastal Protection and Restoration Authority (CPRA), Louisiana Department of Natural Resources (LDNR), Louisiana Department of Environmental Quality (LDEQ), Louisiana Oil Spill Coordinator's Office (LOSCO), Louisiana Department of Wildlife and Fisheries (LDWF), National Oceanic and Atmospheric Administration (NOAA), U.S. Department of the Interior (DOI), U.S. Department of Agriculture (USDA), and U.S. Environmental Protection Agency (USEPA). The LA TIG identified the PO-0178 CWPPRA project as a preferred alternative as part of a suite of ecosystem-level restoration projects to address the injuries to natural resources stemming from the DWH oil spill.

In January 2017, the PO-0178 project was authorized for Phase I engineering and design in the CWPPRA program. In December 2020, CPRA and NRCS unsuccessfully requested Phase II CWPPRA construction funding. Recognizing the project as a good option for restoration of the DWH oil spill, Notice of Availability of the *Deepwater Horizon* Oil Spill Louisiana Trustee Implementation Group Draft Restoration Plan/Environmental Assessment #8: Wetlands, Coastal, and Nearshore Habitats (RP/EA #8) was published in the **Federal Register** on March 18, 2022. The public comment period for the Draft RP/EA #8 closed on April 18, 2022. Six public comments were received, all of which were reviewed and taken into consideration of the final RP/EA #8. The Bayou La Loutre Ridge and Marsh

Restoration Project was ultimately selected as a preferred alternative and funded for construction. CPRA has since used NRDA funds to update survey data and project design, complete land rights, and conduct a cultural resource investigation on the pipeline corridor.

CPRA and NRCS recommend the project be officially transferred to the NRDA LA TIG.

Please consider this letter as the formal request from CPRA and NRCS to initiate transfer of the PO-0178 project to the DWH NRDA LA TIG in accordance with the CWPPRA Standard Operation Procedures Manual. Thank you for your assistance in this effort. Please direct questions regarding this matter to the CPRA Project Manager, Vida Carver, vida.carver@la.gov, 225-342-2799.

Sincerely,



Bren Haase
CPRA Executive Director

cc:

Patrick Williams, NMFS, Baton Rouge, LA
Britt Paul, NRCS, Alexandria, LA
Kevin Roy, USFWS, Lafayette, LA
Karen McCormick, EPA, Dallas, TX

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

MAY 4, 2023

**FY24 PLANNING BUDGET APPROVAL, INCLUDING THE PPL 34 PROCESS, AND
PRESENTATION OF FY24 OUTREACH BUDGET (PROCESS, SIZE, FUNDING, ETC.)**

For Decision:

The P&E Subcommittee will present their recommended FY24 Planning Program Budget development, including the PPL 34 Process.

- a. The Task Force will vote based on the Technical Committee recommendation to approve that the PPL 34 Process include selecting four nominees in the Barataria and Terrebonne Basins; three projects in the Breton Sound and Pontchartrain Basins; two nominees in the Mermentau, Calcasieu/Sabine, and Tech/Vermilion Basins; and one nominee will be selected in the Atchafalaya Basin.
- b. The Task Force will vote based on the Technical Committee recommendation to approve the FY24 Outreach Committee Budget, in the amount of \$452,113.
- c. The Task Force will vote based on the Technical Committee recommendation to approve the FY24 Planning Budget (includes Outreach Committee Budget), in the amount of \$5,000,000.

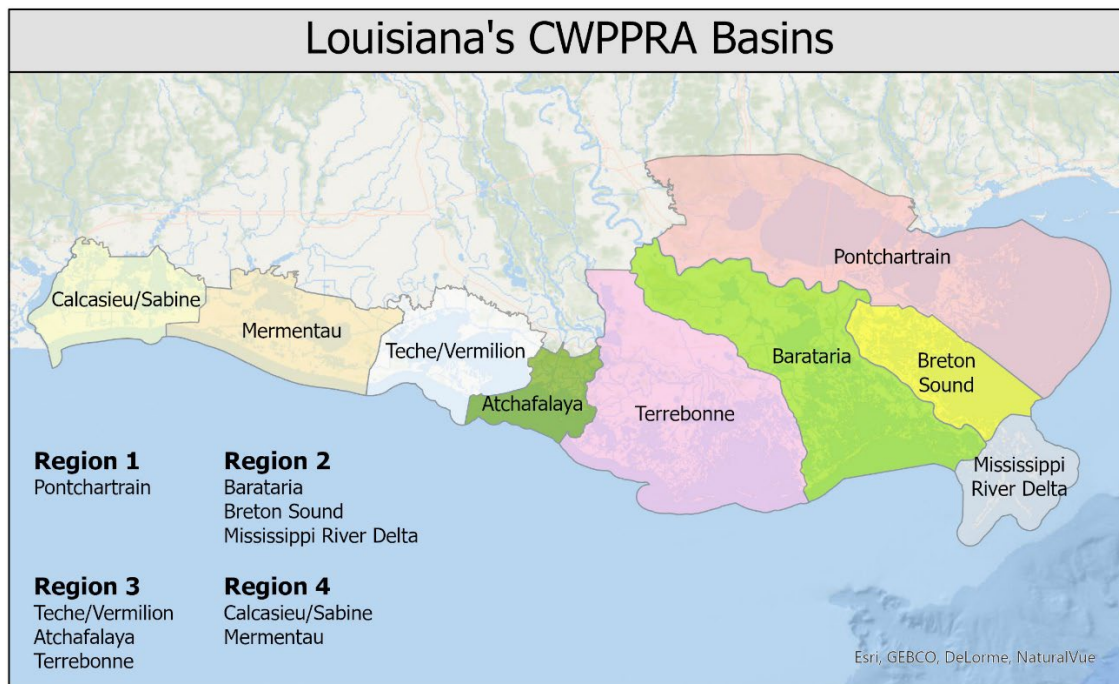


Coastal Wetlands Planning, Protection and Restoration Act (CWPPRA)

Priority Project List (PPL) Selection Process

Project Nominations

The 4 Regional Planning Teams (RPTs), consisting of representatives from the CWPPRA agencies and the coastal parishes located in those regions, will meet to propose projects to be included on the new PPL. Project nominations will be accepted in all the hydrologic basins below. All proposals must be consistent with the state's 2023 Coastal Master Plan to be considered as possible nominees; therefore, those wishing to propose projects are encouraged to work with representatives of the Louisiana Coastal Protection and Restoration Authority prior to the RPT meetings to develop projects that are consistent. A lead agency will be assigned to each nominated project to prepare preliminary project support information (factsheet, maps, and potential designs, and benefits).



- Project nominations that provide benefits or construct features in more than one basin shall be presented in the basin receiving the majority of the project's benefits.
- Multi-basin projects can be broken into multiple projects to be considered individually in the basins which they occur.
- Coastwide Projects
 - Proposed technique applicable across the coast; refer to Appendix F of the CWPPRA Standard Operation Procedures for coastwide project guidelines
 - Project nominations that are legitimate coastwide applications will be accepted separate from the 8 basins at any of the 4 RPT meetings.
- Demonstration Projects
 - Demonstrates a technology which can be transferred to other areas in coastal Louisiana
 - Refer to Appendix E of the CWPPRA Standard Operating Procedures for demonstration project guidelines

If similar projects are proposed within the same area, the RPT representatives, including the CWPPRA agencies and *only* the parishes located within the project's basin, will determine if those projects are

sufficiently different to allow each of them to move forward. If not sufficiently different, such projects will be combined into one project nominee and a federal sponsor will be determined. This decision to either combine similar projects or allow each to move forward will be made at the RPT meeting where the similar projects are proposed. If a mutually agreeable position on sponsorship cannot be determined by overlapping sponsors, voting by the RPT representatives (including agencies and only the parishes within the project's basin) will occur to determine sponsorship at the RPT meeting.

For non-overlapping projects, a federal sponsor does not have to be identified prior to the coastwide vote.

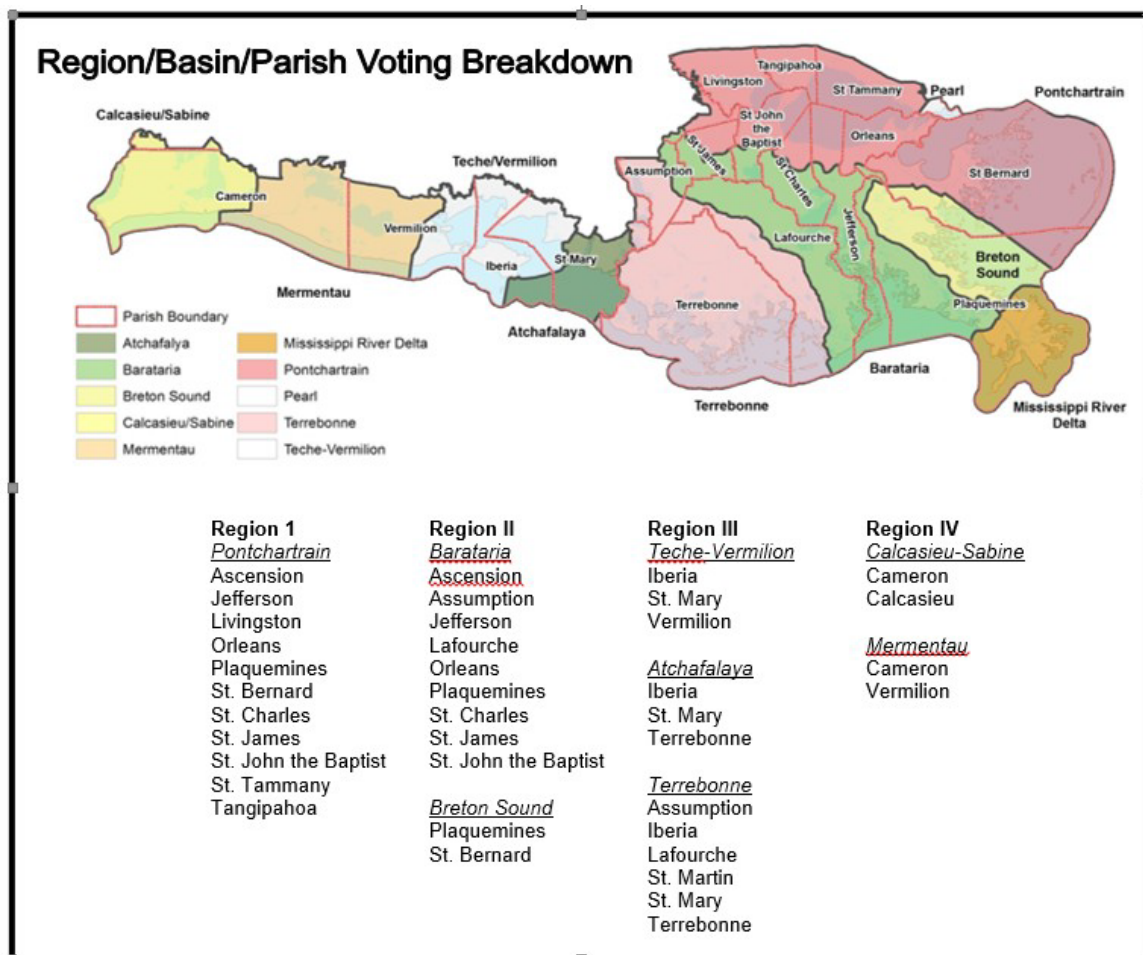
Prior to voting on project nominees, the Environmental and Engineering Work Groups (EnvWG and EngWG) will screen coastwide project and demonstration project nominations to ensure that each qualifies for its respective category as set forth in the CWPPRA Standard Operating Procedures (SOP).

Coastwide Vote

#	Basin
4	Barataria
4	Terrebonne
3	Breton Sound
3	Pontchartrain
2	Mermentau
2	Calcasieu/Sabine
2	Teche/Vermilion
1	Atchafalaya
0	Mississippi River Delta
1	Coastwide
22	TOTAL

The RPTs will vote after the individual RPT meetings via email to select nominee projects. The RPTs will select projects per basin based on land loss rates (see table on left, subject to change for future PPL processes based on further analysis of updated land change rates) and up to 6 demonstration projects.

All CWPPRA agencies and parishes will be required to provide the name and contract information for the official representative who will votes to select nominee projects. Each officially designated parish representative in the basin will have one vote and each federal agency and the State will have one vote.



Preliminary Assessment of Nominated Projects

Agencies, parishes, landowners, and other individuals will informally confer to further develop projects. The lead agency designated for each nominated project will prepare a nominee factsheet that includes a brief project description of possible features.

During this preliminary assessment, the EngWG and EnvWG meet to review project features, discuss potential benefits, and estimate preliminary fully funded cost ranges for each project. The Work Groups also review the nominated demonstration projects. If it is determined that a demonstration project is unlikely to be utilized in restoration or has been evaluated previously, the Work Groups may recommend to the Technical Committee that these projects not move forward.

The P&E Subcommittee prepares a matrix of cost estimates and other pertinent information for nominees and demonstration project nominees.

Selection of Phase 0 Candidate Projects

The selection of the Phase 0 candidate projects occurs at the spring Technical Committee meeting. The Technical Committee meets to consider the project costs and potential wetland benefits of the nominees. They will select up to 10 candidate projects regardless of basin and may select up to 3 demonstration project candidates for detailed assessment by the EngWG, EnvWG, and Economic Work Group (EcoWG).

Phase 0 Analysis of Candidate Projects

During Phase 0 analysis, the EngWG, EnvWG and Academic Advisory Group meet to refine project features and develop boundaries for the project and extended boundaries for estimating land loss.

The sponsoring agencies coordinate site visits for each project to observe the conditions in the project area. There will be no site visits conducted for demonstration projects. The sponsoring agencies develop draft WVAs and prepare Phase 1 engineering and design cost estimates and Phase 2 construction cost estimates with long-term cost for 20 years of O&M, using formats approved by the applicable work group. Demonstration project candidates will be evaluated as outlined in Appendix E of the SOP.

The EngWG reviews and approves Phase 1 and 2 cost estimates, the EcoWG reviews cost estimates and develops annualized (fully funded) costs, and the EnvWG reviews and approves all draft WVAs.

The Corps of Engineers staff prepares an information package for Technical Committee review and public distribution consisting of:

- 1) Updated project factsheets;
- 2) A matrix that lists projects, fully funded cost, average annual cost, WVA results in net acres and Average Annual Habitat Units (AAHUs), and cost effectiveness (average annual cost/AAHU);
- 3) A qualitative discussion of supporting partnerships and public support.

Selection of the PPL

The selection of the PPL will occur at the winter Technical Committee and Task Force meetings. The Technical Committee meets and considers matrix, project factsheets, and public comments, then recommends up to 4 projects and up to one demonstration project for selection to the PPL. The Task Force will review the Technical Committee recommendations and determine which projects will receive Phase 1 (design) funding for the PPL.

Once a project completes Phase I, Phase II (construction) funding must be requested from the Task Force and much of the evaluation is updated using additional information gained since original analysis.



Coastal Wetlands Planning, Protection and Restoration Act (CWPPRA)

PPL 34 Schedule

February 2024	Region IV Planning Team Meeting
February 2024	Region III Planning Team Meeting
February 2024	Regions I and II Planning Team Meetings
February 2024	Coastwide RPT Electronic Vote
March/April 2024	Agencies prepare factsheets for RPT-nominated projects
March/April 2024	Engineering/Environmental Work Groups review project features, benefits, & prepare preliminary cost estimates for nominated projects (Baton Rouge)
April 2024	P&E Subcommittee prepares matrix of nominated projects showing initial cost estimates and benefits
April 2024	Spring Technical Committee Meeting, select PPL 34 candidate projects (New Orleans)
May 2024	Spring Task Force Meeting (Lafayette)
May/June 2024	Candidate project site visits
July/August/ September 2024	Eng/Eng/Econ Work Group project evaluations
September 2024	Fall Technical Committee Meeting, O&M and Monitoring funding recommendations (Baton Rouge)
October 2024	Fall Task Force Meeting, O&M and Monitoring approvals (New Orleans)
October 2024	Economic, Engineering, and Environmental analyses completed for PPL 34 candidates
November 2024	Technical Committee and P&E Subcommittee meet to discuss project selection prior to winter meetings
December 2024	Winter Technical Committee Meeting, recommend PPL 34 and Phase I and II approvals (Baton Rouge)
January 2024	Winter Task Force Meeting, select PPL 34 and approve Phase II requests (New Orleans)

****DATES SUBJECT TO CHANGE****

Visit www.lacoast.gov/calendar for up-to-date information regarding meetings dates, times, & locations.

DRAFT CWPPRA FY2024 Public Outreach Budget



COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

RESTORING COASTAL LOUISIANA SINCE 1990

MANAGING
AGENCIES :



Includes:

Line Items of Budget – One per page

CWPPRA 2024 Public Outreach Budget Summary Sheet



Line Item: CWPPRA Web site – www.LAcoast.gov

CWPPRA Funding Request: No funding requested from Outreach Planning Budget; funding for this line item comes from CWPPRA Construction Budget Web Application Developer/Applications Security Services, Web Server Hardware, and Software Maintenance

Timeline: October 1, 2023 – September 30, 2024

Brief Description:

This site 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. This funding also includes the cost related to storing and distributing WaterMarks, fact sheets, videos, legislative links, educational materials, social media, and CWPPRA Newsflash via the web. It includes daily maintenance and update of text and links. The LaCoast.gov web site is an interface between the public and the program.

Goal:

- Maintain the LAcoast.gov web site by regularly updating information on CWPPRA projects, news, events, and activities

Objectives:

- Provide the public with research-based information about CWPPRA and CWPPRA projects
- Provide a digital copy of information that highlights the programs successes and activities
- Provide a tool to share information with others about CWPPRA events and activities
- Provide resources for a variety of audiences including media, federal agencies, legislative audiences, educators, and general public
- Provide current and historic information related to CWPPRA and wetland loss and restoration

Deliverables:

- Summary of CWPPRA web site activities (three times per year at Task Force Meetings)



Line Item: Federal and State Legislative Education

CWPPRA Funding Request: CWPPRA Outreach Staff Time and Local Travel Only – no additional funding requested

Timeline: October 1, 2023 – September 30, 2024

Brief Description:

This includes preparing an organized approach to meeting and educating several of the Nation's and Louisiana's legislative delegates in their home offices outside of the annual session or during session upon request.

Targeted delegates include those working on one or more of the following committees:

Natural Resource Committee – Senate
Select Committee on Coastal Restoration and Flood Control – Senate
Environment Quality-Senate
Natural Resources and the Environment – House
Joint Legislative Committee on the Budget

Materials that will be prepared for the federal legislative audience will also be used with Louisiana state delegates.

Goals:

- To reach the legislative audience in a concentrated and targeted approach to education on land loss, the restoration and preservation of Louisiana wetlands, and CWPPRA's role in restoration since the program's initiation
- To explain the organizational and fiscal structure of CWPPRA
- To explain the citizen involvement role in coastal restoration

Objectives:

- To provide contemporary delegates with current information about CWPPRA program activities and projects
- To create effective CWPPRA briefing packets
- To create digital and hard copies of materials where appropriate
- To deliver materials to state legislative delegates in a face to face or virtual meeting
- To create a resource for legislative delegates

Deliverables:

- Digital copy of materials created
- Digital copy of briefing packets
- Digital copy of list of meetings that CWPPRA outreach staff and agency partners participate in



Line Item: Meeting Attendance, Exhibits, and Travel

CWPPRA Funding Request: \$ 23,000 (Example: USGS or NOAA)

Timeline: October 1, 2023 – September 30, 2024

Brief Description:

This amount includes costs associated with support for at least one national discussion and up to two state symposia. These funds support all of the CWPPRA agencies. Exhibits and presentations provide excellent venues for CWPPRA public outreach efforts to reach a concentrated target audience that is highly involved in the preservation and restoration of America's coastal lands, as well as provide CWPPRA with an opportunity to reach out to other personnel inside the CWPPRA managing agencies in attendance. Support from CWPPRA for past sessions have led to many partnerships with entities that have helped with collaborative outreach efforts. This amount includes all costs associated with meetings, exhibition, and symposium participation. It includes the cost for registration, exhibit space, display shipping and handling, and any other travel fees associated with regional events.

Goals:

- To reach a concentrated target audience that has specific interest in the restoration and preservation of Louisiana wetlands
- To reach audiences that are unaware of CWPPRA and the restoration and preservation of Louisiana wetlands
- To build and/or strengthen relationships with partner agency personnel in efforts to increase collaboration and improve program visibility
- Provide informational materials to various audiences including industry, the general public, NGOs, and CWPPRA partnering agency staff

Objectives:

- Provide scientifically accurate information about CWPPRA in a conference setting, preferably one national and one state meeting
- Exhibit and present where appropriate in order to provide accurate information about CWPPRA

Deliverable:

- Digital and hard copy of list of meetings, exhibits, and presentations



Line Item: CWPPRA Product Creation and Reproduction

CWPPRA Funding Request: \$ 16,000 (USDA NRCS)

Timeline: *October 1, 2023 – September 30, 2024*

Brief Description:

This includes all costs associated with production or reproduction of materials and products used for CWPPRA education and public outreach efforts. The amount is used to produce videos, fact sheets, slide shows, presentations, posters, brochures, printables, etc. These funds go through USDA NRCS to a GPO contractor.

Goals:

- To reach a target audience that has specific interest in the restoration and preservation of Louisiana wetlands
- To reach audiences that are unaware of CWPPRA and the restoration and preservation of Louisiana wetlands

Objective:

- Provide digital and hard copies of materials to various audiences

Deliverables:

- Digital and hard copy of list of meetings, exhibits, and presentations etc.
- Digital and hard copy of list of materials printed

Examples of possible materials to be printed:

Children's Activity Booklet (and French version)
CWPPRA Fact Sheets
CRMS Beginner's Guide
Agency Project Posters and Postcards
CWPPRA Word Magnet
CWPPRA Logo stickers
CWPPRA Post Cards



Line Item: Special Projects (such as photo, video, writing) and Events (dedication ceremony, outreach exhibits)

CWPPRA Funding Request: \$ 6,000 (Examples: LUMCON or USACE)

Timeline: October 1, 2023 – September 30, 2024

Brief Description:

This amount will support opportunities to work with professional photographers, videographers, media editors, or writers to create new outreach products of interest for publications. It also includes costs associated with the planning and coordination of one annual CWPPRA Dedication Ceremony, including costs related to the printing of invitations, posters, programs, creation of new digital infographics and video, and the production of photographs that record the event.

Goal:

- To provide the public with a lay person's view of coastal restoration activities performed by CWPPRA and their value to the nation
- To annually host one CWPPRA dedication celebration to provide a variety of audiences with the chance to have a hands-on experience with CWPPRA

Objective:

- Provide digital and/or hard copies of photos, videos, or writing for various audiences
- Provide the public, media, legislative delegates, federal agency staff, and CWPPRA agency staff with an opportunity to visit a CWPPRA project, meet CWPPRA project managers and scientists, and learn more about CWPPRA activities

Deliverables:

- Digital copy of list of articles
- Digital and hard copy of the articles
- Digital and hard copies of any media files or text produced
- Digital or hard copy of invitations
- Digital or hard copy of posters related to CWPPRA projects being highlighted
- Digital or hard copy of the programs for the dedication
- Digital photographs that record the event
- New digital informative CWPPRA documents



Line Item: CWPPRA Fact Sheets

CWPPRA Funding Request: Funding comes from printing budget and CWPPRA Staff salaries – no additional funding requested

Timeline: October 1, 2023 – September 30, 2024

Brief Description:

This includes the creation and regular updating of CWPPRA fact sheets, posting fact sheets to the CWPPRA website, and printing fact sheets.

Goals:

- To reach a target audience that has specific interest in the restoration and preservation of Louisiana wetlands
- To reach audiences that are unaware of CWPPRA and the restoration and preservation of Louisiana wetlands

Objective:

- Provide digital and hard copies of fact sheets to various audiences

Deliverable:

- Digital and hard copy of fact sheets



Line Item: Public Communications, Development, Digital and/or Printing, Mailing and Distribution

CWPPRA Funding Request: \$ 69,000 (LUMCON)

Timeline: October 1, 2023 – September 30, 2024

Brief Description:

This includes all costs associated with the creation and distribution of the WaterMarks360 Environmental Education curriculum. The cost includes curriculum production (writing, layout, and design), virtual or digital platform production (informational video creation, 360 video creation, web design), and production of educational based activity kits. May also include printing and shipping of educational materials, as well as teacher stipends.

Goal:

- Create informational print and digital communications that can be used in a variety of venues and for a variety of audiences

Objectives:

- Provide the public with research-based information about Louisiana's coastal wetlands, the CWPPRA program, and its restoration and protection projects
- Provide a digital and hard copy of information that highlights the programs successes
- Provide a tool to share information with others
- Provide a tool to explore wetland habitats and CWPPRA project sites through a virtual reality platform
- Provide a resource for educators to teach students about Louisiana's coastal wetlands, environmental science, and geologic processes, and CWPPRA's restoration and protection efforts

Example Deliverables:

- Digital and hard copy of curriculum guides
- Digital copy of informational and 360 videos
- Educational activity kits



Line Item: CWPPRA Student Worker

CWPPRA Funding Request: \$ 19,900 (USGS)

Timeline: *October 1, 2023 – September 30, 2024*

Brief Description:

This amount includes all costs associated with the salary and management over-head rates for a part-time student worker; and the mailing of materials requested through CWPPRA's public outreach office. The student worker provides support and assistance to the Outreach Coordinator and Media Specialist by monitoring media clips, responding to material requests, and conducting any other administrative tasks that may help improve outreach efforts. The amount also includes costs allocated to mail materials to the public, managing agencies, partners, and anyone else who requests information on CWPPRA.

Goal:

- To provide support to CWPPRA program for outreach activities

Objectives:

- Provide quick responses to requests for materials
- Provide support for preparation of outreach activities

Deliverables:

- List of mail outs organized by student worker
- Digital and hard copy of timesheet for student worker
- Quarterly report of student activities



Line Item: CWPPRA Public Outreach Staff

CWPPRA Funding Request: \$ 267,413 (USGS)

Timeline: October 1, 2023 – September 30, 2024

Brief Description:

Organizes outreach activities through the CWPPRA Public Outreach Committee and CWPPRA Task Force. Position is housed at USGS Wetlands and Aquatic Research Center (WARC) in Lafayette, LA. This includes one full time outreach coordinator, one full time outreach assistant/media specialist, and part time for support of fact sheet development and activities related to text updates and changes. Staff is responsible for the management of all day-to-day public outreach committee efforts, and acts as the liaison between the public, parish governments, and the various Federal agencies and partners associated with CWPPRA. Staff creates and shares outreach and education materials that are used by a variety of audiences. Staff provides guidance, expertise, and support in communicating CWPPRA strategies and progress with the public.

Goal:

- Works to inform, educate, and engage three target audiences with regard to the CWPPRA program's purpose, projects, and success
 - executive and legislative
 - national leaders and partners
 - local leaders, partners, and individuals

Objectives:

- Provides support for conducting educational and information workshops for teachers and the public
- Participate and present at regional and national environmental workshops
- Update CWPPRA outreach materials in order to reach target audience
- Develop curricula and new outreach material
- Update CWPPRA website calendar
- Develop and deliver the monthly Newsflash
- Respond to information requests
- Work with specialists to update current website and electronic educational material

Deliverables:

- Summary of CWPPRA Web site activities (Three times per year at Task Force Meetings)
- Requests for information
- List of media that mentions CWPPRA press releases and other publicity
- Major accomplishments, list of activities, and list of meetings
- Lists of exhibits, presentations, field trips and Meeting
- Active and updated CWPPRA Web site, CWPPRA Newsflash, CWPPRA Calendar, CWPPRA Facebook page and other social media platforms and print materials maintained daily or as needed.



Line Item: CWPPRA Public Outreach Committee Personnel by Agency

CWPPRA Funding Request: \$50,800

NMFS \$6,600

USDA NRCS \$6,600

EPA \$6,600

CPRA \$6,600

USFWS \$3,300

USACE \$6,600

USGS WARC \$14,500

Timeline: *October 1, 2023 – September 30, 2024*

Brief Description:

Each agency of the CWPPRA team is represented on the CWPPRA Public Outreach Committee by a member of each of the agencies' staff. The funds identified are used by outreach committee members to attend meetings and review CWPPRA materials. Many CWPPRA Public Outreach Committee members also participate in a variety of outreach events.

Deliverables:

- Minutes from CWPPRA Public Outreach Committee Meetings
- List of deliverables that have been reviewed by the committee members



CWPPRA 2023-2024 Public Outreach Budget Summary

Recommendation to the CWPPRA Task Force

Operations

<u>Description</u>	<u>Agency</u>	<u>FY2023</u>	
Meeting Attendance, Exhibits, and Related Travel	Ex: USGS, NOAA or LUMCON	23,000	
CWPPRA Product Creation and Reproduction	USDA NRCS	16,000	
Special Projects (such as photo, video, or writing) and Events (dedication ceremony, outreach exhibits)	Ex: LUMCON or USACE	6,000	
Public Communications, Development, Digital and/or Printing, Mailing and Distribution	LUMCON	69,000	
CWPPRA Student Worker and Mail Out Support	USGS	19,900	
CWPPRA Public Outreach Staff	USGS	<u>267,413</u>	
CWPPRA Federal Public Outreach Committee Members			401,313
NFMS		6,600	
USDA NRCS		6,600	
EPA		6,600	
CPRA		6,600	
USFWS		3,300	
USACE		6,600	
WARC		<u>14,500</u>	
			+
			<u>50,800</u>
Total Budget			452,113



**Coastal Wetlands Planning, Protection, and Restoration Act
Fiscal Year 2024 Planning Schedule and Budget
P&E Committee Recommendation,
Tech Committee Recommendation,
Task Force Approval,**

3/31/2023

Carry Over Funds	\$254,972
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CWPPRA COSTS														
TASK			Duration		Dept of Defense	Department of Interior		State of Louisiana		EPA	Department of Agriculture	Department of Commerce		
Task Category	Task No.	Description	Start Date	End Date	USACE	USFWS	NWRC	CPRA/GO	LDWF	EPA	NRCS	NMFS	Other	Total
PPL 33 TASKS														
PL	33500	TC Recommendation for Project Selection and Funding	12/1/23	12/11/23	2,879	6,717	0	1,829	2,253	2,952	4,159	3,225	0	24,013
PL	33600	TF Selection and Funding of the 33rd PPL	1/17/24	1/27/24	5,583	9,679	0	3,702	1,502	4,632	5,218	10,402	0	40,718
PL	33700	PPL 33 Report Development	2/17/24	7/28/24	50,225	2,687	0	1,862	0	0	383	608	0	55,766
FY24 Subtotal PPL 33 Tasks					58,688	19,083	0	7,393	3,755	7,584	9,760	14,235	0	120,497
PPL 34 TASKS														
PL	34200	Development and Nomination of Projects												
PL	34210	CPRA/USGS prepares base maps of project areas, location of completed projects and projected loss by 2050. Develop a comprehensive coastal LA map showing all water resource and restoration projects	10/12/23	10/30/24	1,038	0	0	4,067	0	0	383	0	0	5,488
PL	34220	Sponsoring agencies prepare fact sheets (for projects and demos) and maps prior to and following RPT nomination meetings.	10/13/23	9/2/24	65,118	33,584	0	9,652	0	36,520	95,340	23,749	0	263,963
PL	34230	RPT's meet to formulate and combine projects.	1/26/24	1/31/24	21,068	14,926	0	10,548	4,506	8,928	12,743	12,800	0	85,519
PL	34300	Ranking of Nominated Projects												
PL	34320	Engr Work Group prepares preliminary fully funded cost ranges for nominees.	3/4/24	3/21/24	1,217	2,687	0	4,437	0	4,928	7,108	5,310	0	25,687
PL	34330	WGs develop and P&E distributes project matrix	3/31/24	3/31/24	1,427	3,188	0	2,658	0	3,520	209	3,256	0	14,258
PL	34340	Environ/Engr Work Groups review nominees	4/1/24	4/1/24	1,376	8,359	0	4,212	2,253	3,952	5,882	5,310	0	31,344
PL	34350	TC selection of new PPL candidates and demo candidates	4/14/24	4/14/24	2,491	3,687	0	2,847	2,253	3,916	3,589	7,964	0	26,747

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3/31/2023

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CWPPRA COSTS														
TASK			Duration		Dept of Defense	Department of Interior		State of Louisiana		EPA	Department of Agriculture	Department of Commerce		
Task Category	Task No.	Description	Start Date	End Date	USACE	USFWS	NWRC	CPRA/GO	LDWF	EPA	NRCS	NMFS	Other	Total
PL	34400	Analysis of Candidates												
PL	34410	Sponsoring agencies coordinate site visits for all projects	5/2/24	7/14/24	38,057	28,437	0	17,391	15,019	35,244	41,287	32,340	0	207,774
PL	34420	Engr/Environ Work Group refine project features and determine boundaries	5/2/24	9/29/24	8,902	16,792	0	9,321	15,019	5,904	8,052	12,800	0	76,790
PL	34430	Sponsoring agencies develop project information for WVA; develop designs and cost estimates (projects and demos)	5/2/24	9/29/24	39,683	42,149	0	37,992		40,684	61,943	56,804	0	279,255
PL	34440	Environ/Engr Work Groups project-wetland benefits (with WVA)	5/2/24	9/29/24	28,655	26,867	0	15,402	6,759	18,464	10,282	39,798	0	146,227
PL	34450	Engr Work Group reviews/approves cost estimates from sponsoring agencies, incl cost estimates for demos	5/2/24	10/14/24	15,560	6,427	0	8,179	0	11,408	4,282	15,929	0	61,785
PL	34460	Economic Work Group reviews cost estimates, adds monitoring, O&M, etc., and develops annualized costs	5/2/24	10/14/24	17,264	1,717	0	1,630	0		7,963	5,310	0	33,884
PL	34470	Prepare project information packages for P&E.	5/2/24	11/9/24	8,298	7,836	0	2,483	0	1,968	189	5,310	0	26,085
FY24 Subtotal PPL 34 Tasks					250,154	196,656	0	130,819	45,809	175,436	259,253	226,679	0	1,284,807
Project and Program Management Tasks														
PM	34100	Program Management Coordination, Budget Development and Oversight	10/1/23	9/29/24	643,959	139,233	39,568	123,105	12,767	245,710	208,000	198,670	0	1,611,012
PM	34150	Program Management - Training, Conferences, Workshops in support of CWPPRA Program Management	10/1/23	9/29/24	0	5,000	0	0	0	5,000	5,000	5,000	0	20,000
PM	34200	Program and Project Management--Financial Management of Non-Cash Flow Projects	10/1/23	9/29/24	66,767	10,821	0	17,718	0	0	19,182	24,750	0	139,238
PM	34300	P&E Meetings (meetings preparation and attendance)	10/1/23	9/29/24	23,427	9,679	2,895	5,291	4,506	11,616	13,836	15,057	0	86,308
PM	34400	Tech Com Mtngs (meetings including public and off-site; preparation and attendance)	10/1/23	9/29/24	140,318	29,852	4,825	17,303	11,265	12,352	17,719	26,840	0	260,475
PM	34500	Task Force mtngs (meetings, including public and executive session; preparation and attendance)	10/1/23	9/29/24	154,073	33,584	8,619	24,151	9,012	20,528	31,715	43,218	0	324,900
PM	34600	Agency Participation, Review 30% and 95% Design for Projects	10/1/23	9/29/24	59,982	11,941	0	10,347	0	14,784	6,172	12,800	0	116,026
PM	34700	Engineering & Environmental Work Groups review	10/1/23	9/29/24	12,761	11,941	0	5,956	10,512	3,937	6,769	12,800	0	64,676
PM	34800	Miscellaneous Technical Support	10/1/23	9/29/24	52,953	10,075	0	81,406	0	35,000	50,107	40,000	0	269,541
PM	34900	2016 WIIN Act Environmental Banking	10/1/23	9/29/24	0	0	0	0	0	0	0	0	0	0
FY24 Subtotal Project Management Tasks					1,154,240	262,126	55,907	285,277	48,062	348,927	358,501	379,136	0	2,892,175
FY24 Total for PM Tasks					1,463,082	477,865	55,907	423,489	97,626	531,947	627,514	620,049	0	4,297,479

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TASK			Duration		Dept of Defense	Department of Interior		State of Louisiana		EPA	Department of Agriculture	Department of Commerce		
Task Category	Task No.	Description	Start Date	End Date	USACE	USFWS	NWRC	CPRA/GO	LDWF	EPA	NRCS	NMFS	Other	Total
SUPPLEMENTAL PLANNING AND EVALUATION TASKS														
SPE	34110	Academic Advisory Group. [NOTE: New MOA between USGS and LUMCON] [Prospectus, pg 5-7]	10/1/23	9/29/24	0	0	0	0	0	0	0	0	104,068	104,068
SPE	34120	Core GIS Support for CWPPRA Task Force Planning Activities. [NWRC Prospectus]	10/1/23	9/29/24	0	0	146,340	0	0	0	0	0	0	146,340
FY24 Total Supplemental Planning & Evaluation Tasks					0	0	146,340	0	0	0	0	0	104,068	250,408
FY24 Agency Tasks Grand Total					1,463,082	477,865	202,247	423,489	97,626	531,947	627,514	620,049	104,068	4,547,887
OUTREACH														
Otrch	34130	Outreach - Committee Funding	10/1/23	9/29/24	0	0	0	0	0	0	0	0	401,313	401,313
Otrch	34140	Outreach - Agency	10/1/23	9/29/24	6,600	3,300	14,500	6,600	0	6,600	6,600	6,600	0	50,800
FY24 Total Outreach					6,600	3,300	14,500	6,600	0	6,600	6,600	6,600	401,313	452,113
Grand Total FY24					1,469,682	481,165	216,747	430,089	97,626	538,547	634,114	626,649	505,381	5,000,000

NOTE: Transfer of funds between tasks is allowed as long as the total budgeted amount per agency is not exceeded. Federal and State agencies shall abide by their fiscal accounting policies.
MIPRs for Planning and Outreach will be Combined into one transaction

Coastal Wetlands Planning, Protection and Restoration Act

Fiscal Year 2023 Budget Summary

P&E Committee Recommendation,
Technical Committee Recommendation,
Task Force Approval,

	FY2010 Amount (\$)	FY2011 Amount (\$)	FY2012 Amount (\$)	FY2013 Amount (\$)	FY2014 Amount (\$)	FY2015 Amount (\$)	FY2016 Amount (\$)	FY2017 Amount (\$)	FY2018 Amount (\$)	FY2019 Amount (\$)	FY2020 Amount (\$)	FY2021 Amount (\$)	FY2022 Amount (\$)	FY2023 Amount (\$)	FY2024 Amount (\$)
General Planning & Program Participation [Supplemental Tasks Not Included]															
State of Louisiana															
CPRA	406,866	405,866	405,866	405,866	403,489	423,489	423,489	423,489	423,489	423,489	423,489	423,489	423,489	423,489	423,489
LDWF	96,879	99,879	99,879	99,879	97,626	97,626	97,626	97,626	97,626	97,626	97,626	97,626	97,626	97,626	97,626
Gov's Ofc	94,800	54,000	54,000	54,000	54,000	0	0	0	0	0	0	0	0	0	0
Total State	598,545	559,745	559,745	559,745	555,115	521,115	521,115	521,115	521,115	521,115	521,115	521,115	521,115	521,115	521,115
EPA	505,297	505,297	505,297	533,495	531,947	531,947	531,947	531,947	531,947	531,947	531,947	531,947	531,947	531,947	531,947
Dept of the Interior															
USFWS	496,918	479,918	479,918	479,918	477,865	477,865	477,865	477,865	477,865	477,865	477,865	477,865	477,865	477,865	477,865
NWRC	63,656	55,907	55,907	55,907	55,907	55,907	55,907	55,907	55,907	55,907	55,907	55,907	55,907	55,907	55,907
USGS Reston															
USGS Baton Rouge						0	0	0	0	0	0	0	0	0	0
USGS Woods Hole						0	0	0	0	0	0	0	0	0	0
Natl Park Service															
Total Interior	560,574	535,825	535,825	535,825	533,772	533,772	533,772	533,772	533,772	533,772	533,772	533,772	533,772	533,772	533,772
Dept of Agriculture	630,302	630,302	630,302	630,301	627,514	627,514	627,514	627,514	627,514	627,514	627,514	627,514	627,514	627,514	627,514
Dept of Commerce	621,080	621,081	621,081	621,080	620,049	620,049	620,049	620,049	620,049	620,049	620,049	620,049	620,049	620,049	620,049
Dept of the Army	1,471,688	1,468,497	1,468,497	1,468,497	1,463,082	1,463,082	1,463,082	1,463,082	1,463,082	1,463,082	1,463,082	1,463,082	1,463,082	1,463,082	1,463,082
Agencies Total	\$4,387,486	\$4,320,746	\$4,320,747	\$4,348,943	\$4,331,479	\$4,297,479	\$4,297,479	\$4,297,479	\$4,297,479	\$4,297,479	\$4,297,479	\$4,297,479	\$4,297,479	\$4,297,479	\$4,297,479
Outreach															
Outreach	487,148	452,400	452,400	452,400	445,800	445,800	446,113	446,113	452,113	452,113	452,113	452,113	452,113	452,113	452,113
Supplemental Tasks															
Academic Advisory Group	133,650	112,200	112,200	112,200	112,200	112,200	112,200	112,200	112,200	112,200	112,200	112,200	112,200	112,200	104,068
Database & Web Page Link Maintenance	64,153														
Linkage of CWPPRA & LCA															
Core GIS Support for Planning Activities	307,249	167,327	157,295	157,295	146,340	146,340	146,340	146,340	146,340	146,340	146,340	146,340	146,340	146,340	146,340
Evaluation Report to Congress			110,000			110,000			110,000			95,000			
Total Supplemental	\$505,052	\$279,527	\$379,495	\$269,495	\$258,540	\$368,540	\$258,540	\$258,540	\$368,540	\$258,540	\$258,540	\$353,540	\$258,540	\$258,540	\$250,408
Total Allocated	\$5,379,686	\$5,052,672	\$5,152,642	\$5,070,838	\$5,035,819	\$5,111,819	\$5,002,132	\$5,002,132	\$5,118,132	\$5,008,132	\$5,008,132	\$5,103,132	\$5,008,132	\$5,008,132	\$5,000,000

												31-Mar-23			
		Coastal Wetlands Planning, Protection and Restoration Act													
			CUM thru FY 12	FY2013	FY2014	FY2015	FY2016	FY2017	FY2018	FY2019	FY2020	FY2021	FY2022	FY2023	FY2024
		Total	Amount (\$)	Amount (\$)	Amount (\$)	Amount (\$)	Amount (\$)	Amount (\$)	Amount (\$)	Amount (\$)	Amount (\$)	Amount (\$)	Amount (\$)	Amount (\$)	Amount (\$)
General Planning & Program Participation															
State of Louisiana															
	CPRA	12,102,345	9,175,545.29	405,866.00	403,489.00	423,489.00	423,489.00	423,489.00	423,489	423,489	423,489	423,489	423,489	423,489	423,489
	LDWF	2,107,987	1,422,352.28	99,879.00	97,626.00	97,626.00	97,626.00	97,626.00	97626	97626	97626	97626	97626	97626	97626
	GOCA	1,120,357	1,012,357.00	54,000.00	54,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total State		15,330,690	11,610,254.57 0.00	559,745.00	555,115.00	521,115.00	521,115.00	521,115.00	521,115.00	521,115.00	521,115.00	521,115.00	521,115.00	521,115.00	521,115.00
EPA															
		13,064,109	9,338,934.86 0.00	533,494.54	531,947	531,947	531,947	531,947	531,947	531,947	531,947	531,947	531,947	531,947	531,947
Dept of the Interior															
			0.00												
	USFWS	11,623,801	8,276,692.92	479,918.00	477,865.00	477,865.00	477,865.00	477,865.00	477,865.00	477,865.00	477,865.00	477,865.00	477,865.00	477,865.00	477,865.00
	NWRC	2,424,317	2,032,968.45	55,907.00	55,907.00	55,907.00	55,907.00	55,907.00	55,907.00	55,907.00	55,907.00	55,907.00	55,907.00	55,907.00	55,907.00
	USGS Res	165,706	165,705.56												
	USGS Wo	25,785	25,785.00												
	USGS Bat	348,889	348,888.63												
	Natl Park S	3,643	3,643.40												
	MMS	60,700	60,700.00												
Total Interior		14,652,841	10,914,383.96 0.00	535,825.00	533,772.00	533,772.00	533,772.00	533,772.00	533,772.00	533,772.00	533,772.00	533,772.00	533,772.00	533,772.00	533,772.00
Dept of Agriculture															
		16,947,200	12,551,812.89 0.00	630,302.00	627,514	627,514	627,514	627,514	627,514	627,514	627,514	627,514	627,514	627,514	627,514
Dept of Commerce															
		14,861,334	10,519,958.34 0.00	621,081.00	620,049	620,049	620,049	620,049	620,049	620,049	620,049	620,049	620,049	620,049	620,049
Dept of the Army															
		34,618,084	24,371,096.00 0.00	1,468,497.00	1,463,082	1,463,082	1,463,082	1,463,082	1,463,082	1,463,082	1,463,082	1,463,082	1,463,082	1,463,082	1,463,082
Agency Total		109,474,257	79,306,438.62 0.00	4,348,944	4,331,479	4,297,479	4,297,479	4,297,479	4,297,479	4,297,479	4,297,479	4,297,479	4,297,479	4,297,479	4,297,479
Supplemental Tasks			0.00												
Academic Advisory Group		2,553,887	1,768,486.78	112,200.00	112,200.00	112,200.00	112,200.00	112,200.00	112,200.00	112,200.00	112,200.00	112,200.00	112,200.00	112,200.00	104,068.00
Report to Congress		423,402	203,402.20	0.00	0.00	110,000.00	0.00	0.00	110,000.00	0.00	0.00	95,000.00	0.00	0.00	
Core GIS Support for Planning Activities (NWRC)		3,635,961	2,611,580.99	146,340.00	146,340.00	146,340.00	146,340.00	146,340.00	146,340.00	146,340.00	146,340.00	146,340.00	146,340.00	146,340.00	146,340.00
Core GIS Support for Planning Activities (DNR)		114,183	103,228.00	10,955.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Outreach Tasks			0.00												
Gen Program		180,089	180,089.47	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Coordinator		3,016,726	1,431,473.65	216,000.00	216,000.00	216,000.00	234,313.00	234,313.00	234,313.00	234,313.00	234,313.00	267,413.00	267,413.00	267,413.00	
Outreach Assistant / Educational Specialist		560,017	560,016.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NWRC Administration		376,516	275,015.98	14,500.00	14,500.00	14,500.00	14,500.00	14,500.00	14,500.00	14,500.00	14,500.00	14,500.00	14,500.00	14,500.00	14,500.00
Agency Assistance - COE		117,770	71,569.99	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00
Agency Assistance - EPA		111,000	64,800.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00
Agency Assistance - FWS		50,755	27,654.96	3,300.00	3,300.00	3,300.00	3,300.00	3,300.00	3,300.00	3,300.00	3,300.00	3,300.00	3,300.00	3,300.00	3,300.00
Agency Assistance - NMFS		115,772	69,572.40	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00
Agency Assistance - NRCS		118,982	72,781.88	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00
Agency Assistance - NWRC		27,800	27,800.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Agency Assistance - DNR		98,609	52,409.33	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00	6,600.00
Agency Assistance - Ofc of Gov		27,073	20,472.72	6,600.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Contractual Support Student worker		354,495	207,494.77	21,000.00	21,000.00	21,000.00	21,000.00	21,000.00	21,000.00	21,000.00	21,000.00	21,000.00	19,900.00	19,900.00	19,900.00
Watermarks (Development & Printing)		1,476,658	1,056,658.20	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00	60,000.00	67,000.00	67,000.00	67,000.00
Watermarks (Distribution)		139,258	71,257.79	20,000.00	20,000.00	20,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00
Articles for Print-Writing & Public Pubs		21,600	2,700.00	2,700.00	2,700.00	2,700.00	2,700.00	2,700.00	2,700.00	2,700.00	2,700.00	2,700.00			
Dedication Support		74,730	46,729.61	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	4,000.00	3,000.00	3,000.00	3,000.00
Video & Photo Acquisition (USGS/BTNEP)		113,400	27,300.00	12,300.00	12,300.00	12,300.00	12,300.00	12,300.00	12,300.00	12,300.00	12,300.00	12,300.00	3,000.00	3,000.00	3,000.00
Product Reproduction		330,668	143,668.26	25,000.00	25,000.00	25,000.00	25,000.00	25,000.00	31,000.00	31,000.00	31,000.00	31,000.00	16,000.00	16,000.00	16,000.00
Conference / Exhibits		283,627	115,626.72	24,000.00	24,000.00	24,000.00	24,000.00	24,000.00	24,000.00	24,000.00	24,000.00	24,000.00	23,000.00	23,000.00	23,000.00
Legislative Education (USGS/NOAA)		90,000	20,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00	10,000.00			
Conference - RAE & CNREP (NMFS)		25,000	25,000.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Outreach Tasks		2,517,585	2,517,584.60	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Miscellaneous Tasks			0.00												
Storm Recovery Procedures		233,248	233,248.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Miscellaneous Tasks		5,780,049	5,780,049.21	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Allocated		160,015,666	104,539,137	5,070,839	5,035,819	5,111,819	5,002,132	5,002,132	5,118,132	5,008,132	5,008,132	5,103,132	5,008,132	5,008,132	5,000,000
Over/Under Balance		254,972	460,863	(70,839)	(35,819)	(111,819)	(2,132)	(2,132)	(118,132)	(8,132)	(8,132)	(103,132)	262,506	(8,132)	0
Total Unallocated (Cumulative)				390,025	354,206	242,387	240,255	238,124	119,992	111,860	103,729	597	263,104	254,972	254,972
Funds Allocated		165,270,638	95,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,000,000	5,270,638	5,000,000	5,000,000
Total Funds Allocated (Cumulative)				110,000,000	115,000,000	120,000,000	125,000,000	130,000,000	135,000,000	140,000,000	145,000,000	150,000,000	155,270,638	160,270,638	165,270,638

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

MAY 4, 2023

SELECTION OF TEN CANDIDATE PROJECTS TO EVALUATE FOR PPL 33

For Report/Decision:

At the April 6, 2023 meeting, the Technical Committee selected ten projects as PPL 33 candidates for Phase 0 analysis as listed below.

Region	Basin	PPL 33 Nominees	Agency
1	Pontchartrain	Biloxi Marsh Shoreline Protection	FWS
1	Pontchartrain	Bayou Ducros Marsh Creation	NRCS
2	Barataria	Northwest Little Lake Marsh Creation	FWS
2	Breton Sound	Bayou Terre aux Boeufs Ridge Restoration & Marsh Creation	NRCS
2	Breton Sound	South Delacroix Marsh Creation and Terracing	NMFS
2	Barataria	Southeast Golden Meadow Marsh Creation	FWS
2	Barataria	West Dupre Cut Marsh Creation	NRCS
3	Terrebonne	Eastern Terrebonne Landbridge Marsh Creation Increment 1	FWS
3	Terrebonne	Carencro Bayou Diversion	NRCS
4	Mermentau	Gulf Shoreline Protection West	FWS

CWPPRA PPL 33 Candidate Vote - Technical Committee

6-Apr-23

Region	Basin	Type	Project	COE	EPA	FWS	NMFS	NRCS	State	No. of votes	Sum of Point Score
2	BA	MC	Northwest Little Lake Marsh Creation Extension	3	6	11	9	6		5	35
3	TE	MC	Eastern Terrebonne Landbridge Marsh Creation Increment 1	7	4	8	8		7	5	34
2	BS	MC/RR	Bayou Terre aux Boeufs Ridge Restoration & Marsh Creation	8	8	9		5	2	5	32
2	BS	MC	South Delacroix Marsh Creation and Terracing	4	5	7	11		1	5	28
2	BA	MC	Southeast Golden Meadow Marsh Creation	11	1	5			11	4	28
4	ME	MC	Gulf Shoreline Protection West	6		6		4	6	4	22
2	BA	MC	West Dupre Cut Marsh Creation		2	3	2	11		4	18
1	PO	SP	Biloxi Marsh Shoreline Protection	5		1	1		9	4	16
3	TE	MC	Carencro Bayou Diversion		10			9	10	3	29
1	PO	MC	Bayou Ducros Marsh Creation			2	10	10		3	22
2	BA	HR/VP	Bayou Chevreuil Hydrologic Restoration and Vegetative Planting		11			3	5	3	19
1	PO	MC	Bayou Sauvage Marsh Creation			10	6	2		3	18
CW			Small-Micro Dredging for Hydrologic Improvements	1			3		4	3	8
2	BS	MC	Davant Marsh Creation - Increment 1		9				8	2	17
3	TV	MC/SP	South Avery Island Marsh Creation and Shoreline Enhancement	9				8		2	17
4	CS	HR/MC	Sabine Lake Hydrologic Restoration and Marsh Creation	10					3	2	13
3	TV	MC	Freshwater Bayou East Marsh Restoration				5	7		2	12
3	TE	MC	Bayou Barre Marsh Creation (Eastern Terrebonne Landbridge Increment 1)			4	7			2	11
3	TE	MC	Bayou Jean Lacroix Marsh Creation		7			1		2	8
4	CS	MC	Sweet Lake Marsh Creation	2			4			2	6
4	ME	MC	South Pecan Island Restoration		3					1	3
				66	66	66	66	66	66	66	396
check				66	66	66	66	66	66	66	396

DEMO	Reefbud (Vote: Y=Yes, N=No)	NO					
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The following voting process will be used by the Technical Committee to select 10 candidate projects under PPL 33:

1. Each agency represented in the Technical Committee will be provided one ballot for voting.
2. Each agency represented in the Technical Committee will cast weighted votes for 11 projects. All votes must be used.
3. Each agency will vote for their top projects, hand-written on the above ballot form
4. A weighted score will be assigned (11, 10, 9,...1), to be used in the event of a tie. (11 highest...1 lowest).
5. Initial rank will be determined based upon the number of votes received for a project (unweighted).
6. The Technical Committee will select the top 10 projects as candidates under PPL 33.
7. In the event of a tie at the cutoff of 10, the weighted will be used as a tie-breaker.
8. The tied projects will be ranked based upon a sum of the weighted score.
9. The results of the Technical Committee candidate selection will be reported to the Task Force.

PPL33 PROJECT NOMINEE FACT SHEET
March 28, 2023

Project Name: Biloxi Marsh Shoreline Protection

Project Location:

Region 1, Pontchartrain Basin, St. Bernard Parish, Lake Borgne and Biloxi Marshes

Problem:

Historic wetland loss in the area is caused primarily by shoreline erosion. Based on the hyper-temporal analysis conducted by USGS to detect land change trends from 1985 to 2020, the interior loss rate for the Biloxi Marsh area was calculated to be -0.36%/yr. Using maps from 1998 and 2018, Lake Borgne shoreline erosion rates were calculated along the Biloxi Marshes Wildlife Management Area (specifically in the vicinity of Point aux Marchettes). Shoreline erosion rates in that area ranged from -10 ft./yr. to -90 ft./yr. A 10,678 LF section of shoreline was estimated to have an average loss rate of 5.25 acres per year. It is estimated that without the project there would be nearly 100 acres lost due to shoreline erosion.

Goals:

The project goals are to 1) protect approximately 10,678 feet of critical shoreline and 2) protect approximately 100-150 acres of highly productive saline marsh habitat (CRMS 4551 and 4572).

Service goals include the protection of habitat for rare species, species of concern, and threatened and endangered species. The protection of saline marsh habitat would be beneficial to several species that are currently on the lists of rare species and species of concern. These include, but are not limited to Least Bittern, Black Rail, Mottled Duck, Brown Pelican, King Rail, Louisiana Eyed Silk moth, and Saltwater toad.

Proposed Solutions:

The proposed project would: 1) Construct approximately 10,678 LF of rock revetment along the Lake Borgne shoreline. Rock would be placed on geocloth and stacked to a settled height of +4.0.

Preliminary Project Benefits:

1) *What is the total acreage benefited both directly and indirectly?*

The project will have a net benefit range of 50-100 acres.

2) *How many acres of wetlands will be protected/created over the project life?*

The total project area is approximately 118 acres.

3) *What is the anticipated loss rate reduction throughout the area of direct benefits over the project life (<25%, 25-49%, 50-74% and >75%).*

Loss rate reduction will be >75%.

4) *Do any project features maintain or restore structural components of the coastal ecosystem such as barrier islands, natural or artificial levee ridges, beach and lake rims, cheniers, etc.*

Installing shoreline protection would protect much of the Lake Borgne shoreline abutting the Biloxi Marshes Wildlife Management Area. The shoreline protection would also protect the natural ridges along a portion of Lake Shore Bayou, Bayou Grande as well as other smaller bayou ridges in the area.

5) *What is the net impact of the project on critical and non-critical infrastructure?*

The proposed project is intended to maintain the marsh as a protective barrier to the City of New Orleans and surrounding area against surge and waves during tropical events.

6) *To what extent does the project provide a synergistic effect with other approved and/or constructed restoration projects?*

This project would work synergistically with the existing CIAP project, PO-30, PO-72, PO-178, and PO-180 projects.

Considerations:

The proposed project has the following potential issues: oysters, pipelines, and Atlantic Sturgeon Critical Habitat.

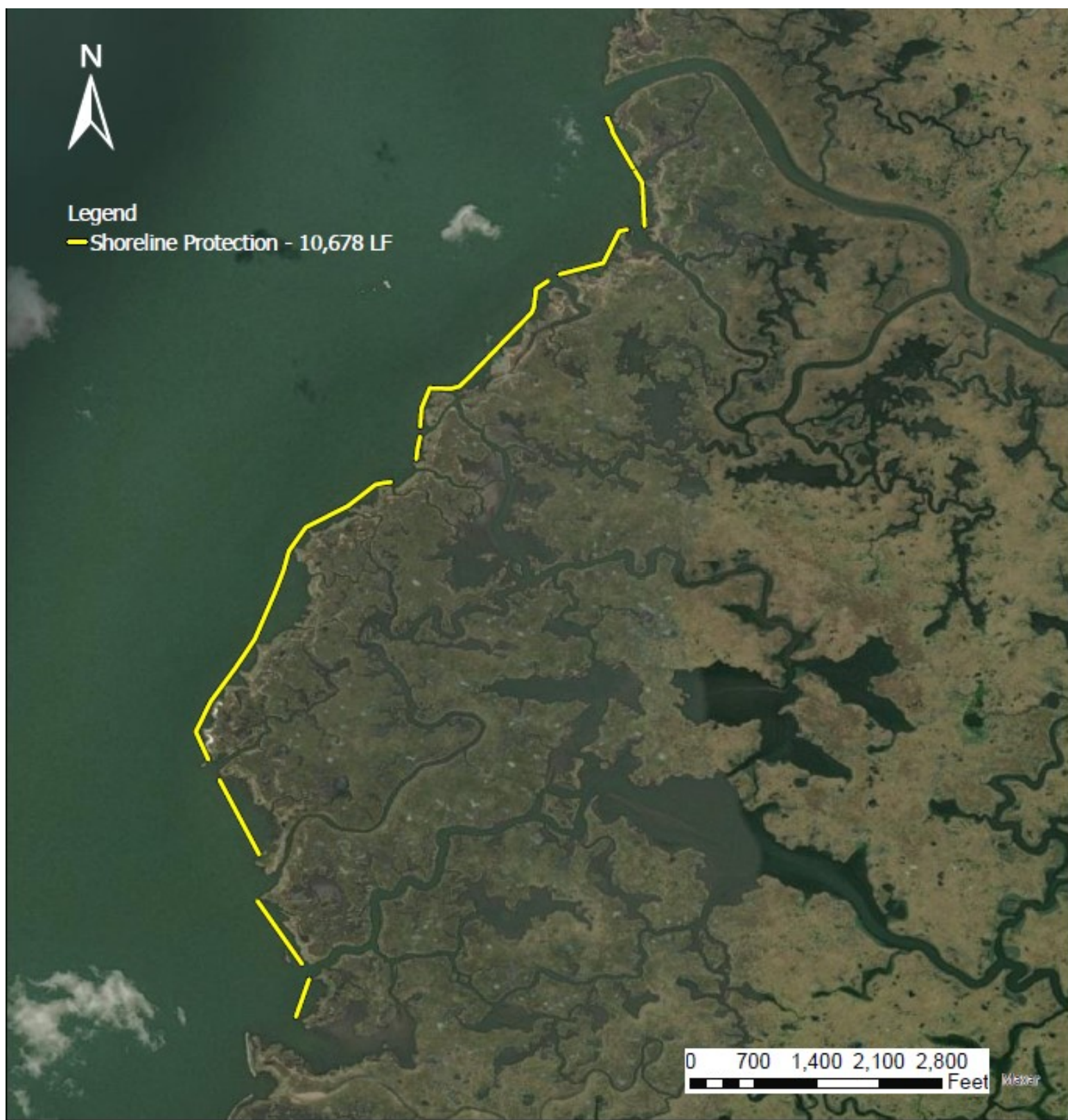
Preliminary Costs:

The fully funded cost range is \$20-25M.

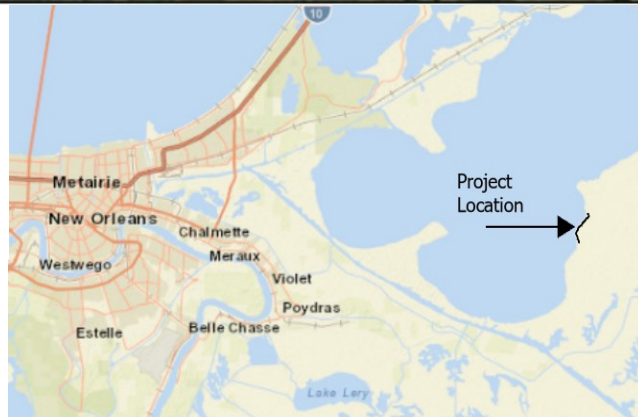
Preparer(s) of Fact Sheet:

Jessica Converse (225) 342-4467, Jessica.converse@la.gov

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Map prepared by:
 Louisiana Coastal Protection &
 Restoration Authority, Baton Rouge, LA
 Data Source: ESRI— February 2022
 Map Date—March 9, 2023



PPL33
Biloxi Marsh
Shoreline Protection
St Bernard Parish,
LA

PPL33 PROJECT NOMINEE FACT SHEET
March 29, 2023

Project Name

Bayou Ducros Marsh Creation

Project Location

Region 1, Pontchartrain Basin, St. Bernard Parish, Golden Triangle near Bayou Ducros and adjacent to the Mississippi River Gulf Outlet (MRGO).

Problem

Marsh loss near Bayou Ducros is due to manipulation of the tidal prism from multiple canals and lack of sediment input from the Mississippi River. The Mississippi River Gulf Outlet (MRGO) was completed in 1968. Construction of this ship channel combined with oil exploration and conveyance canals have increased the tidal prism of local waterways. The increase in the tidal prism led to salinity spikes as high as 35 ppt that destroyed the freshwater and brackish marsh environments along Bayou Ducros. The MRGO was officially closed in 2008 and salinities have stabilized to around 3-4 ppt, but the area still suffers from lack of sediment input from the Mississippi River. The land area change rate determined by USGS between 1985-2020 is -0.85%/year. The subsidence in the area is estimated to be 4.4 mm/yr in a moderate scenario.

Goals

To create/nourish 386 acres of estuarine marsh south of Bayou Ducros within the Golden Triangle marsh.

Proposed Solution

Approximately 230 acres of marsh will be created and approximately 156 acres of marsh will be nourished (386 acres total) using sediment dredged from Lake Borgne. Portions of the MRGO shoreline along the project area has riprap bank protection but earthen containment is proposed for the entire area. Upon completion earthen containment will be degraded as necessary to re-establish hydrologic connectivity with adjacent wetlands. Approximately 25% of the marsh creation areas will be planted.

Preliminary Project Benefits

- 1) *What is the total acreage benefited both directly and indirectly?* Approximately 386 acres would be benefited directly and indirectly through marsh creation/nourishment.
- 2) *How many acres of wetlands will be protected/created over the project life?* The total net acres protected/created over the project life is approximately 200-250 acres.
- 3) *What is the anticipated loss rate reduction throughout the area of direct benefits over the project life (<25%, 25-49%, 50-74% and >75%).* The anticipated interior loss rate reduction throughout the area of direct benefit is estimated to be 50%.
- 4) *Do any project features maintain or restore structural components of the coastal ecosystem such as barrier islands, natural or artificial levee ridges, beach and lake rims, cheniers, etc.* Yes. The project would protect and restore marsh along the MRGO and the Hurricane Protection Levee
- 5) *What is the net impact of the project on critical and non-critical infrastructure?* The project would restore marsh in the Golden Triangle complex and serve as a structural line of defense for communities in St. Bernard and the greater New Orleans area from highly destructive storm surge events.

6) *To what extent does the project provide a synergistic effect with other approved and/or constructed restoration projects?* The proposed project will have significant synergistic effects with the Golden Triangle Marsh Creation, NRDA Lake Borgne Phase 3 and institutes components of the MRGO Ecosystem Restoration Plan.

Considerations

Considerations for this project include landrights, pipelines/utilities, oysters, and Atlantic Sturgeon critical habitat.

Preliminary Construction Costs: The fully funded cost range is \$25M-\$30M.

Preparer of Fact Sheet:

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Vincent Palumbo, NRCS Engineer; vincent.palumboIII@usda.gov.

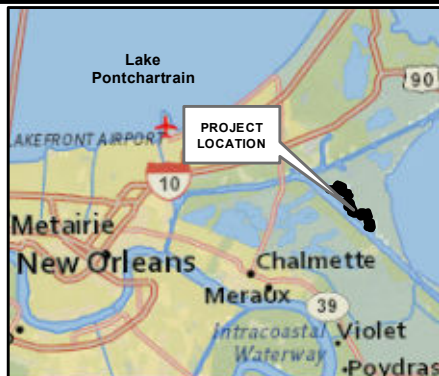
Blaise Pezold, The Meraux Foundation, (504) 264-8125; blaise@merauxfoundation.org



Map Produced By:
United States Department of Agriculture
Natural Resources Conservation Service
Alexandria, LA

Data Source: ESRI - 2022 IMAGERY

Map Date: MARCH 23, 2023



**PPL 33
BAYOU DUCROS
MARSH CREATION
ST BERNARD PARISH, LA**



Legend

MARSH_CREATION_3_23_23

PPL33 PROJECT NOMINEE FACT SHEET

March 10, 2023

Project Name

Northwest Little Lake Marsh Creation Extension

Project Location

Region 2, Barataria Basin, Lafourche Parish

Problem

Until 2021, the project area was relatively stable and experienced very little interior marsh loss. Shell deposits along the Little Lake shoreline provided for a stable shoreline feature with low erosion rates. A land change analysis conducted by USGS for 254 coastal subunits indicates a 1985-2020 land change rate of +0.09% per year for the Delta Farms Subunit, which encompasses the project site. However, in August 2021, the central and western Barataria Basin experienced thousands of acres of land loss with the passage of Hurricane Ida. One of the areas hardest hit by the storm was the northwestern shoreline of Little Lake. The extensive flotant marsh that previously carpeted the area was removed by the storm, converting the area to vast expanses of open water. Based on an analysis conducted by the USGS for the Northwest Little Lake Marsh Creation (BA-268), which includes Hurricane Ida marsh loss and shoreline erosion, loss rates in the area are estimated to be -0.84% per year (1984 to 2021).

Goals

The primary goals of the project are to restore marsh habitat in an area significantly impacted by Hurricane Ida and restore approximately 1.9 miles of the northwestern Little Lake shoreline. The specific project goals are: 1) create 301 acres of marsh, 2) nourish 141 acres of marsh, and 3) restore approximately 9,900 linear feet (LF) of Little Lake shoreline.

Service goals include restoration/protection of habitat for at-risk species. This project would restore habitat potentially utilized by the threatened black rail and other at-risk species such as the seaside sparrow and saltmarsh topminnow.

Proposed Solution

Sediments from Bay L'Ours will be hydraulically dredged and pumped via pipeline to create/nourish approximately 442 acres of marsh. A full containment system will be utilized with containment dikes gapped at the end of construction or no later than three years post-construction. Dewatering and compaction of dredged sediments should produce elevations conducive to the establishment of emergent marsh and within the intertidal range. Marine mattresses will be placed along 4,808 LF of the lakeshore containment dike.

Preliminary Project Benefits

- 1) *What is the total acreage benefited both directly and indirectly?*
The total project area is approximately 442 acres.
- 2) *How many acres of wetlands will be protected/created over the project life?*
The project would result in approximately 250-300 net acres over the project life.

- 3) *What is the anticipated loss rate reduction throughout the area of direct benefits over the project life (e.g., 50% reduction in the background loss rate)?*

A 50% loss rate reduction is assumed for the marsh creation and marsh nourishment.

- 4) *Do any project features maintain or restore structural components of the coastal ecosystem such as barrier islands, natural or artificial levee ridges, beach and lake rims, cheniers, etc?*

The project will help restore a portion of the Little Lake rim.

- 5) *What is the net impact of the project on critical and non-critical infrastructure?*

This project will not protect any critical- or non-critical infrastructure.

- 6) *To what extent does the project provide a synergistic effect with other approved and/or constructed restoration projects?*

The project will have synergistic effects with: 1) BA-268 Northwest Little Lake Marsh Creation, 2) BA-260 Northwest Little Lake Increment II, and 3) BA-02 GIWW (Gulf Intracoastal Waterway) to Clovelly Hydrologic Restoration.

Considerations

This project could have potential oyster, and pipeline/utility considerations.

Preliminary Costs

The fully funded cost range is \$40M-\$45M.

Preparer(s) of Fact Sheet:

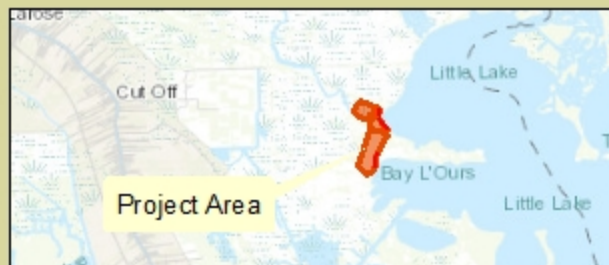
Kristen Ramsey, FWS, (337) 291-3137, Kristen_Ramsey@fws.gov

Eric Whitney, NRCS, (337) 291-3069, Eric.Whitney@usda.gov



Legend

-  Marsh Creation
-  Marine Mattresses



PPL33

***Northwest Little Lake
Marsh Creation Extension
Lafourche Parish, Louisiana***



PPL33 PROJECT NOMINEE FACT SHEET
March 29, 2023

Project Name

Bayou Terre aux Boeufs Ridge Restoration and Marsh Creation

Project Location

Region 2, Breton Sound Basin, Plaquemines Parish, southern bank of Bayou Terre aux Boeufs east of Delacroix.

Problem

Historic ridge habitat loss occurs in the form of subsidence and shoreline erosion along Bayou Terre aux Boeufs (BTAB). The shoreline erosion is caused by boat traffic from recreational and commercial vessels. The ridge is subsiding due to anthropogenic and natural processes. The habitat associated with ridges in Louisiana is Live Oak-Hackberry forest. This ecosystem is utilized by trans-gulf migratory bird species as a first and last stop when crossing the Gulf of Mexico. This critical habitat is rated as S1 and S2 priority by the state of Louisiana. Interior marsh loss in the project site is caused by subsidence, increased tidal prism and salinities due to construction of access and or transmission canals. The BTAB ridge is the barrier that separates brackish from intermediate marsh in the Breton Basin. Loss of this hydrological barrier could pose greater threats to already diminishing intermediate marshes. Based on the hyper-temporal analysis (1985-2021) conducted by USGS loss rates are estimated to be -0.91% per year.

Goals

The goals of the project are to restore the sections of the Bayou Terre aux Boeufs ridge and create and nourish the adjacent marsh to provide additional protection to the restored ridge.

Proposed Solution

The project will create 27,011 linear feet (25 acres) of ridge along Bayou Terre aux Boeufs to provide coastal upland habitat, restore natural hydrology, provide storm surge attenuation, and improve local community resilience. The project will also create/nourish 390 acres emergent marsh adjacent to the ridge with sediment from the Petit Lake.

Preliminary Project Benefits

- 1) *What is the total acreage benefited both directly and indirectly?*
The total project area is approximately 415 acres including ridge and marsh creation cells.
- 2) *How many acres of wetlands will be protected/created over the project life?*
The net acre benefit range is 300-350 acres after 20 years.
- 3) *What is the anticipated loss rate reduction throughout the area of direct benefits over the project life (e.g., 50% reduction in the background loss rate)?*
A 50% loss rate reduction is assumed for the marsh creation and marsh nourishment.

- 4) *Do any project features maintain or restore structural components of the coastal ecosystem such as barrier islands, natural or artificial levee ridges, beach and lake rims, cheniers, etc?*
The project will help restore portions of the Bayou Terre aux Boeufs ridge.
- 5) *What is the net impact of the project on critical and non-critical infrastructure?*
The project is designed to provide some protection to the coastal community of Delacroix.
- 6) *To what extent does the project provide a synergistic effect with other approved and/or constructed restoration projects?*
The project will have synergy with BS-32 Mid Breton Land Bridge Marsh Creation and Terraces as well as the other Breton land bridge projects.

Considerations

This project could have potential oyster lease and landrights considerations.

Preliminary Costs

The fully funded cost range is \$50M-\$55M.

Preparer(s) of Fact Sheet:

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Jackie Jones, NRCS-Engineer, 337-291-3055, jacqueline.jones@usda.gov

Blaise Pezold, The Meraux Foundation, (504) 264-8125; blaise@merauxfoundation.org



BAYOU TERRE AUX BOEUFs

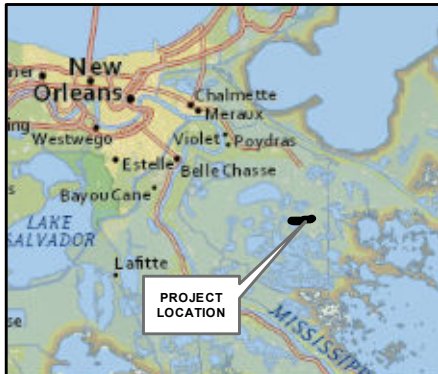
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Feet



Map Produced By:
United States Department of Agriculture
Natural Resources Conservation Service
Alexandria, LA

Data Source: NAIP 2021 CIR IMAGERY

Map Date: MARCH 6, 2023



PPL 33
**BAYOU TERRE AUX BOEUFs
RIDGE RESTORATION AND
MARSH CREATION
PLAQUEMINES PARISH, LA**



Legend

- RIDGE_RESTORATION = 27,009 LF
- MARSH_CREATION

PPL33 PROJECT NOMINEE FACT SHEET

March 21, 2023

Project Name

South Delacroix Marsh Creation and Terracing

Project Location

Region 2, Breton Basin, Plaquemines Parish

Problem

Hurricanes Katrina, Rita, and Ida caused the majority of wetland loss in the project area. Wind erosion and saltwater intrusion have resulted in loss of marsh vegetation and wetland soils. Marsh loss has increased exposure of Delacroix to flooding from the south. The USGS expanded project boundary loss rate from the adjacent (immediately across Bayou Gentilly) PPL27 Mid Breton Land Bridge Marsh Creation and Terracing (BS-32) project is -1.91%/year from 1984 to 2019.

Goals

The project goal is to create and nourish approximately 402 acres (ac) of tidal emergent marsh and 18,000 linear feet of terraces.

Proposed Solution

The project solution is to create and nourish approximately 402 ac of marsh (383 ac creation, 19 ac nourishment) utilizing a layout to help protect the community of Delacroix and provide synergy with BS-37 East Delacroix Marsh Creation and Terracing, BS-41 North Delacroix Marsh Creation and Terracing, and BS-32 Mid Breton Land Bridge Marsh Creation and Terracing projects. This project would be one of the final pieces in the overall Breton Land Bridge concept. Sediment would be mined from nearby Petit Lake and placed via pipeline. The borrow area would be designed to avoid adverse impacts to the existing shorelines. Containment dikes would be gapped post construction to allow fisheries access.

Preliminary Project Benefits

- 1) *What is the total acreage benefited both directly and indirectly?*
This total project area is 576 ac. This includes 402 ac of marsh creation and nourishment, and a 174 ac terrace field.
- 2) *How many acres of wetlands will be protected/created over the project life?*
Approximately 300 – 350 ac of marsh will be protected/created over the project life.
- 3) *What is the anticipated loss rate reduction throughout the area of direct benefits over the project life (e.g., 50% reduction in the background loss rate)?*
The anticipated land loss rate reduction throughout the area of direct benefits will be 50% over the projects life.
- 4) *Do any project features maintain or restore structural components of the coastal ecosystem such as barrier islands, natural or artificial levee ridges, beach and lake rims, cheniers, etc?*

The project will complete the Breton Land Bridge near the vicinity of the community of Delacroix and be a crucial piece of the overall concept. The project would add protection to the adjacent Bayou Terre Aux Boeufs Ridge.

- 5) *What is the net impact of the project on critical and non-critical infrastructure?*
The project would have net positive impact to critical infrastructure which consists of Delacroix Highway, a hurricane evacuation route, and residences of Delacroix. Net positive impact would result from providing reduced impact from wind driven waves and help protect the highway.
- 6) *To what extent does the project provide a synergistic effect with other approved and/or constructed restoration projects?*
The project will have a synergistic effect with other projects either being constructed or being engineered and designed (E&D) within the greater Breton Land Bridge. Nearby projects include BS-37 (construction funded), BS-41 (E&D), and BS-32 (construction funded).

Considerations

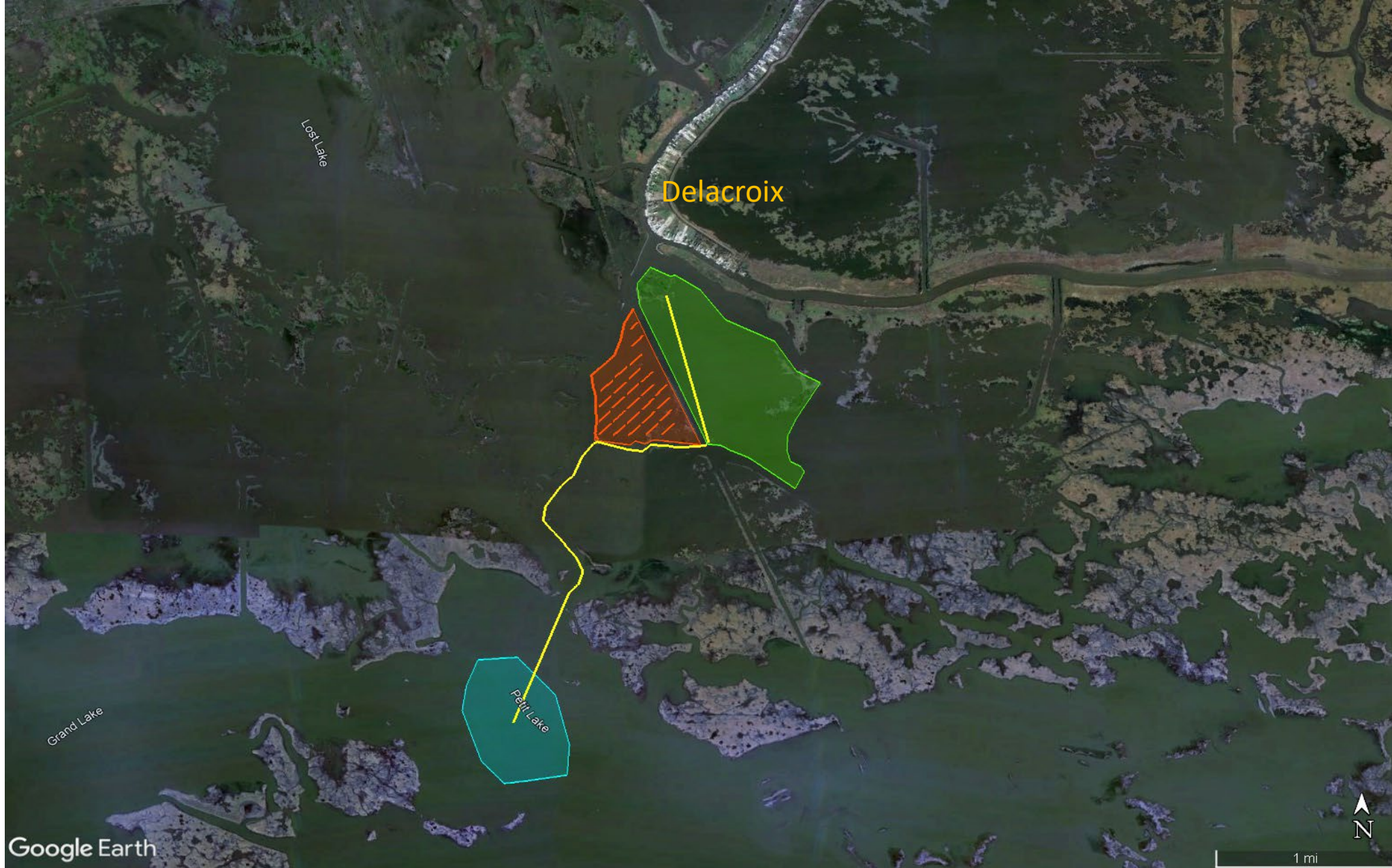
The proposed project has potential oyster and utility/pipeline considerations.

Preliminary Construction Costs

The estimated fully funded cost is \$35M - \$40M.

Preparer(s) of Fact Sheet:

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Jason Kroll, NOAA Restoration Center, 225-757-5411, jason.kroll@noaa.gov



PPL33 South Delacroix Marsh Creation and Terracing

382 Acres Marsh Creation
20 Acres Marsh Nourishment
18,000 Linear Feet of Terraces

Federal Sponsor: NOAA Fisheries
2021 Aerial Imagery
Map Date 1-28-2023

Legend

-  Marsh Creation
-  Terrace Field
-  Borrow Area

PPL33 PROJECT NOMINEE FACT SHEET

March 22, 2023

Project Name

Southeast Golden Meadow Marsh Creation

Project Location

Region 2, Barataria Basin, Lafourche Parish, Southeast of Golden Meadow

Problem

The project area has experienced extensive loss of emergent wetlands from subsidence, storms, canal dredging, and altered hydrology. Wetland loss has increased the vulnerability of the South Lafourche Hurricane Protection Levee to damage from tropical storms and hurricanes. Hurricane Ida, in August 2021, was particularly devastating to the area. At present, very little marsh remains for several miles east of the protection levee. The remaining emergent land consists of canal spoil banks and isolated stands of fragmented marsh. Based on the land-water analysis conducted by USGS for the PPL32 candidate project evaluation, the land loss rate in the project area was -1.05% per year for the period 1984 to 2021.

Goals

The primary goal of this project is to restore marsh southeast of Golden Meadow along the alignment of the South Lafourche Hurricane Protection Levee. The specific goal of the project is to create approximately 333 acres (294 acres of marsh creation and 39 acres of marsh nourishment) of marsh with dredged material from Bayou Lafourche.

Service goals include restoration/protection of habitat for at-risk species. This project would restore habitat potentially utilized by the threatened black rail and other at-risk species such as the seaside sparrow and saltmarsh topminnow.

Proposed Solution

Sediments will be hydraulically dredged from a series of borrow sites in Bayou Lafourche and pumped via pipeline to create/nourish approximately 333 acres of marsh. Full containment would be utilized. Containment dikes will be gapped at the end of construction or no later than three years post construction. Vegetative plantings are proposed along the eastern containment dike which is exposed to wave energy. Dewatering and compaction of dredged sediments should produce elevations conducive to the establishment of emergent marsh and within the intertidal range.

Preliminary Project Benefits

- 1) *What is the total acreage benefited both directly and indirectly?*
The total project area is approximately 333 acres.
- 2) *How many acres of wetlands will be protected/created over the project life?*
The net acre benefit range is 250-300 acres after 20 years.
- 3) *What is the anticipated loss rate reduction throughout the area of direct benefits over the project life (e.g., 50% reduction in the background loss rate)?*

A 50% loss rate reduction is assumed for the marsh creation and marsh nourishment.
(USGS data from 1984 to 2021 shows from -1.05%/year)

- 4) *Do any project features maintain or restore structural components of the coastal ecosystem such as barrier islands, natural or artificial levee ridges, beach and lake rims, cheniers, etc?*
The project does not maintain or restore structural components of the coastal ecosystem.
- 5) *What is the net impact of the project on critical and non-critical infrastructure?*
The project has major net positive impact on critical infrastructure comprised of the Golden Meadow community and the Lafourche Parish hurricane protection levee.
- 6) *To what extent does the project provide a synergistic effect with other approved and/or constructed restoration projects?*
The project does not have synergy with other approved and/or constructed restoration projects.

Considerations

This project could have potential land rights and pipeline/utility considerations.

Preliminary Costs

The fully funded cost range is \$35M-\$40M.

Preparer(s) of Fact Sheet:

John Savell, USFWS, 337-291-3144, john_savell@fws.gov



 Marsh Creation



PPL33

***Golden Meadow Marsh Creation
Lafourche Parish, Louisiana***



Golden Meadow

Bayou Lafourche

0 2000 Feet

PPL33 PROJECT NOMINEE FACT SHEET
March 29, 2023

Project Name

West Dupre Cut Marsh Creation

Project Location

Region 2, Barataria Basin, Jefferson Parish, north of Three Bayou Bay and east of Bayou Rigolettes

Problem

Problems facing the basin include sea level rise, subsidence, and effects of channelization and construction of levees. Historical freshwater and sediment sources drastically decreased after building levees on the Mississippi River as well as closing Bayou Lafourche in Donaldsonville. Thus, rain is the most significant source of freshwater. Erosion of barrier islands at the south end of the basin increases and exacerbates tidal effects, high salinity levels, and leads to more rapid rates of land loss. Canals and pipelines altered the area's hydrology and contribute to habitat degradation. The limited freshwater and sediment from natural channels are the most critical problems coupled with the historical and more recent impacts associated with hurricanes. USGS estimated a loss rate of -1.08% per year (1984-2021).

Goals

The goal is to create and nourish 608 acres of intermediate to brackish marsh in two cells. The project has been modified from PPL32 to include restoration of marsh along the Bayou Rigolettes shoreline. Restoration of this marsh will maintain the structural integrity of the shoreline and reduce the increased exchange to the interior marshes.

Proposed Solution

The area was heavily impacted by Hurricane Ida, creating more open water area and exchange. Marsh will be created to reestablish habitat and continue to protect the Barataria Basin Landbridge. The cells will be fully contained, and the containment dikes will be degraded as necessary to establish hydrologic connectivity with adjacent wetlands. If the area does not re-vegetate on its own, the plan is to plant 15% of the created marsh in Year 3.

Preliminary Project Benefits

- 1) *What is the total acreage benefited both directly and indirectly?*
The total project area is approximately 608 acres.
- 2) *How many acres of wetlands will be protected/created over the project life?*
The net acre benefit range is 450-500 acres after 20 years.
- 3) *What is the anticipated loss rate reduction throughout the area of direct benefits over the project life (e.g., 50% reduction in the background loss rate)?*
A 50% loss rate reduction is assumed for the marsh creation and marsh nourishment.

- 4) *Do any project features maintain or restore structural components of the coastal ecosystem such as barrier islands, natural or artificial levee ridges, beach and lake rims, cheniers, etc?*
The project will restore a portion of the Bayou Rigolettes shoreline and help restore historic marsh that is a critical component of the Barataria Basin Landbridge.
- 5) *What is the net impact of the project on critical and non-critical infrastructure?*
The project may have minor net positive impacts to non-critical infrastructure comprised of the Barataria Waterway, pipelines, oil and gas wells, and camps.
- 6) *To what extent does the project provide a synergistic effect with other approved and/or constructed restoration projects?*
The project will have synergistic effects with a number of projects that contribute to the protection of the Central Barataria Basin Landbridge, including: 1) BA-27 Barataria Landbridge Shoreline Protection Project, 2) BA-125 Northwest Turtle Bay Marsh Creation, 3) BA-206 Northeast Turtle Bay Marsh Creation and Critical Shoreline Protection, 4) BA-258 Northeast Turtle Bay Marsh Creation Extension, and 5) BA-36 Dedicated Dredging on the Barataria Basin Landbridge.

Considerations

This project could have land rights and oil/gas pipeline considerations.

Preliminary Costs

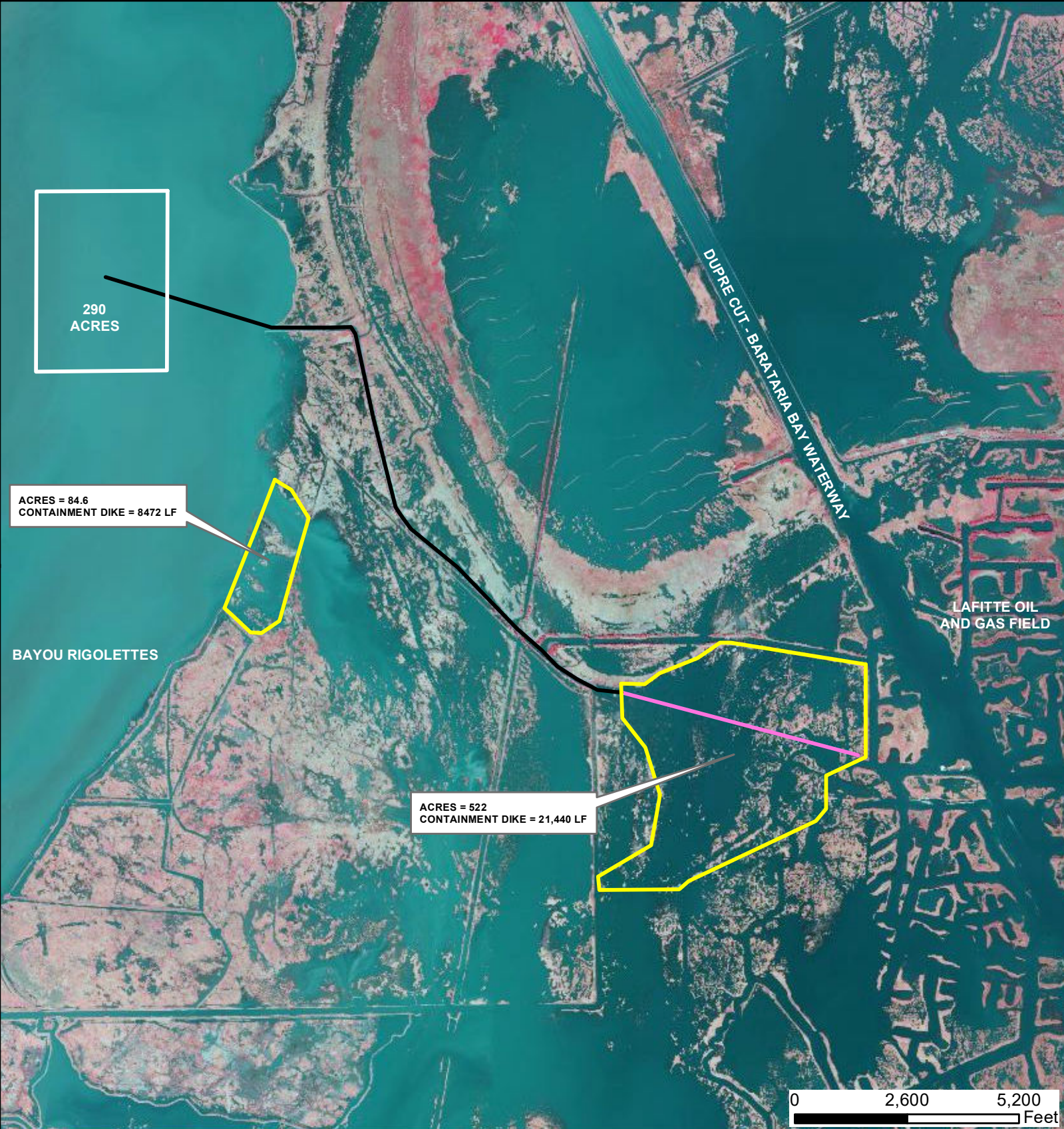
The fully funded cost range is \$40M-\$45M.

Preparer(s) of Fact Sheet:

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Map Produced By:
United States Department of Agriculture
Natural Resources Conservation Service
Alexandria, LA

Data Source: NAIP CIR 2021 IMAGERY

Map Date: MARCH 2, 2023



PPL 33
WEST DUPRE CUT
MARSH CREATION
JEFFERSON PARISH, LA



Legend

- MARSH_CREATION_3_2_23
- BORROW_AREA_1_30_23
- SUBMERGED_DREDGE_PIPE_1_30_23 = 17,092 LF
- SHORE_DREDGE_PIPE_1_30_23 = 5,669 LF

PPL33 PROJECT NOMINEE FACT SHEET

March 22, 2023

Project Name

Eastern Terrebonne Landbridge Marsh Creation Increment 1

Project Location

Region 3, Terrebonne Basin, Lafourche Parish

Problem

Since 1932, the Terrebonne Basin has lost approximately 20% of its wetlands. Current loss rates range from approximately 4,500 to 6,500 acres /year. This loss amounts to 130,000 acres during the next 20 years. One-third of the Terrebonne Basin's remaining wetlands would be lost to open water by the year 2040. Historic aerial photography indicates significant marsh loss in the project area west of Golden Meadow near Catfish Lake. Subsidence, canal dredging, saltwater intrusion, and altered hydrology (levees) are all important factors contributing to the loss of marsh habitat within and surrounding the project area. The most recent significant land loss in the area has been the recent hurricanes that have passed directly over or near the project area, including Hurricane Ida. The wetland loss rate for areas near the project area is -1.37%/year based on USGS hyper temporal data from 1985 to 2020.

Goals

The goals of the project are to: 1) create/nourish approximately 523 acres of marsh with material dredged from a large open water area (Laurier Bayou) south of the project and 2) create approximately 13,300 LF of terraces (10 acres of marsh).

Proposed Solution

The proposed solution would create approximately 340 acres and nourish 183 acres of marsh to restore a portion of the Eastern Terrebonne Landbridge. Sediment will be hydraulically pumped from Laurier Bayou. Temporary containment dikes will be constructed and gapped within three years of construction to allow greater tidal exchange and estuarine organism access. In addition, 13,300 LF of terraces (10 acres of marsh) would be created south of the created marsh to help protect that marsh from wave energy.

Project Benefits

- 1) *What is the total acreage benefited both directly and indirectly?*
The total project area is approximately 723 acres.
- 2) *How many acres of wetlands will be protected/created over the project life?*
The net acre benefit range is 300-350 acres after 20 years.
- 3) *What is the anticipated loss rate reduction throughout the area of direct benefits over the project life (e.g., 50% reduction in the background loss rate)?*
A 50% loss rate reduction is assumed for the marsh creation and marsh nourishment.

- 4) *Do any project features maintain or restore structural components of the coastal ecosystem such as barrier islands, natural or artificial levee ridges, beach and lake rims, cheniers, etc?*
Would be the first increment of the Eastern Terrebonne Landbridge.
- 5) *What is the net impact of the project on critical and non-critical infrastructure?*
The project will help protect a portion of the Hurricane Protection Levee near Golden Meadow.
- 6) *To what extent does the project provide a synergistic effect with other approved and/or constructed restoration projects?*
It would work synergistically with a soon to be constructed Ducks Unlimited terracing project near the South Lafourche hurricane protection levee. It is the first increment of the Eastern Terrebonne Landbridge.

Considerations

Project considerations include pipelines/utilities and land rights.

Preliminary Costs

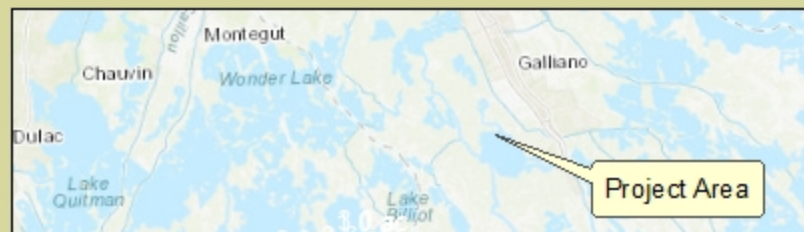
The fully-funded cost range is between \$35M and \$40M.

Preparer(s) of Fact Sheet:

Robert Dubois, FWS, 337-291-3127, robert_dubois@fws.gov



-  Marsh Creation
-  Terrace Field
-  Borrow Site



PPL33

*Eastern Terrebonne Landbridge
Marsh Creation (Increment I)
Lafourche Parish, Louisiana*



PPL33 PROJECT NOMINEE FACT SHEET
March 29, 2023

Project Name

Carencro Bayou Diversion

Project Location

Region 3, Terrebonne Basin, Terrebonne Parish, Carencro Bayou

Problem

Bayou Penchant is the largest bayou flowing across upper Terrebonne, however, where it connects to Carencro Bayou most of the water flow is diverted southwest to the Superior Canal and flows down Palmetto Bayou and back to Atchafalaya Bay. This short-circuits water movement to the east where marshes are deprived of the freshwater, nutrients, and sediments of the Atchafalaya River. The State Master Plan calls for diverting Atchafalaya River water to the east through the Gulf Intercoastal Waterway and various other distributaries throughout the Central Terrebonne marsh complex. The reactivation of Carencro Bayou would bring water directly to areas where there have been heavy losses of wetlands caused by saltwater intrusion and sediment deprivation. The 1984 to 2020 USGS land loss rate for this area is -0.11%/y described as the Lake Mechant unit of Terrebonne Basin.

Goals

The objective of this project is to introduce freshwater, nutrients and sediments from Bayou Penchant into southern Terrebonne marshes to a general area east of Lost Lake to reduce saltwater intrusion and marsh loss in this area.

Proposed Solution

The project would: (1) Reduce flow in the Superior Canal near the junction with Carencro Bayou by necking down this canal from 200 feet wide and 20 feet deep to 80 feet wide and 10 feet deep. This would be accomplished by the construction of a rock weir (barge bay); (2) opening historic Carencro Bayou, by dredging, from the point where it is narrower than 100 feet wide and 8 feet deep following the old bayou channel for approx. 21,400 feet southeast to where it intersects a north/south location; and (3) enlarging the north/south location canal and existing DU/ConocoPhillips water control structure to accommodate this increased flow.

Preliminary Project Benefits

- 1) *What is the total acreage benefited both directly and indirectly?*
The total project area is approximately 13,447 acres.
- 2) *How many acres of wetlands will be protected/created over the project life?*
The net acre benefit range is 200-250 acres after 20 years.
- 3) *What is the anticipated loss rate reduction throughout the area of direct benefits over the project life (e.g., 50% reduction in the background loss rate)? Preliminary model estimate is that the current loss rate of -0.11%/y in a receiving area of 13,447 acres would be reduced by 196% resulting in land gain in the project area.*

- 4) *Do any project features maintain or restore structural components of the coastal ecosystem such as barrier islands, natural or artificial levee ridges, beach and lake rims, cheniers, etc?*
The project will restore the historic flow to Bayou Carencro.
- 5) *What is the net impact of the project on critical and non-critical infrastructure?*
The project may have minor net positive impact to non-critical infrastructure comprised of pipelines and oil and gas wells and camps.
- 6) *To what extent does the project provide a synergistic effect with other approved and/or constructed restoration projects?*
The project will have synergy with 1) TE-34 Penchant Basin Natural Resource Plan, Increment 1
2) TE-28 Brady Canal Hydrologic Restoration, 3) TE-72 Lost Lake Marsh Creation and Hydrologic Restoration.

Considerations

This project may have land rights, O&M, and pipeline/utilities considerations.

Preliminary Cost

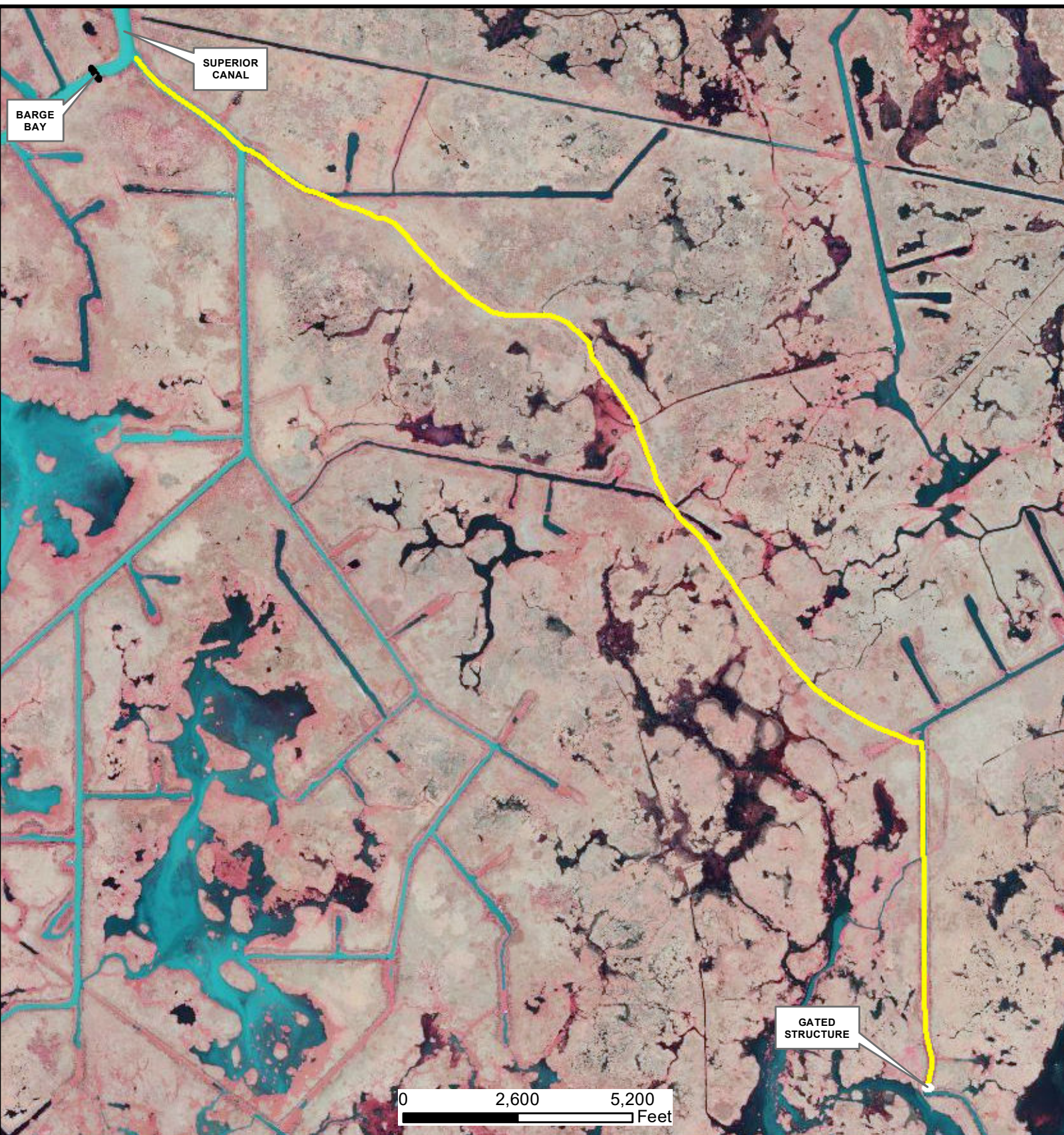
The total fully funded cost range is \$15-\$20M.

Preparer of Fact Sheet

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Map Produced By:
United States Department of Agriculture
Natural Resources Conservation Service
Alexandria, LA

Data Source: NAIP CIR 2021

Map Date: MARCH 2, 2023



PPL 33 BAYOU CARENCRO DIVERSION TERREBONNE PARISH, LA



Legend

- OLD_BAYOU_CARENCRO_CLEANOUT = 32,495 LF
- GATED_STRUCTURE_8 (5_FT_X_5_FT)_GATES
- BARGE_BAY

PPL33 PROJECT NOMINEE FACT SHEET

March 22, 2023

Project Name

Gulf Shoreline Protection West

Project Location

Region 4, Mermentau Basin, Cameron Parish, south of Rockefeller State Wildlife Refuge

Problem

The Gulf shoreline in the vicinity of Rockefeller Refuge has some of the highest shoreline erosion rates found anywhere in Louisiana. Gulf shoreline erosion rates between Josephs Harbor and Price Lake Road, have been estimated to be 46 feet per year (1998 to 2010). After recent hurricanes, erosion rates west of Price Lake Road, were estimated to be 53 feet per year (1998 to 2019). This is equivalent to nearly 13 acres of marsh/shoreline lost per year in the project area. Without protection, the Rockefeller Refuge shoreline will continue to retreat landward, which could have substantial impacts on the refuge (including resident endangered species) as well as the surrounding area. Without stabilizing the Gulf shoreline at Rockefeller Refuge, the shoreline may retreat over 1,100 ft within a 20-year timespan.

Goals

The project goal is to halt Gulf shoreline erosion along a critical 2-mile-long reach where continued erosion will threaten the integrity of Price Lake Road and the watershed within Rockefeller Refuge as well as the recently constructed CWPPRA project ME-20. A total of 216 acres would be protected by the project.

Service goals include the protection of shoreline beaches designated as critical habitat for the threatened piping plover and beaches used by the threatened red knot. The project would also prevent the loss of back beach marshes which is highly likely to be occupied habitat for the recently listed black rail.

Proposed Solution

The proposed project is similar to the Rockefeller Refuge Gulf Shoreline Stabilization Project (ME-18). The project would construct 10,560 LF of foreshore breakwater with a light-weight aggregate core along the -3.5-ft (NAVD88) contour (approximately 150-ft offshore). It would extend west from the Rockefeller Shoreline Protection Project ME-37 project and parallel the shoreline with gaps every 1,500- ft. The project feature may trap sediments from the Gulf, which could result in accretion behind the breakwater as has occurred at ME-18.

Preliminary Project Benefits

- 1) *What is the total acreage benefited both directly and indirectly?*

The total project area is approximately 293 acres (257 acres of marsh protected and 36 acres that includes the rock dike and the area between the rock dike and the shoreline) would be directly benefited.

- 2) *How many acres of wetlands will be protected/created over the project life?*
Approximately 216 net acres would be protected over the 20-yr project life, which would put it in the 200-250 acres benefit range.
- 3) *What is the anticipated loss rate reduction throughout the area of direct benefits over the project life (e.g., 50% reduction in the background loss rate)?* >75%
A 93% loss rate reduction is assumed for the Target Years 1-10 and 75% for Target Years 11-20. (Workgroup assumptions for PPL 30 Flat Lake Gulf Shoreline Protection)
- 4) *Do any project features maintain or restore structural components of the coastal ecosystem such as barrier islands, natural or artificial levee ridges, beach and lake rims, cheniers, etc?* Yes. The project would protect marsh and beach along the Gulf of Mexico and Rockefeller Refuge.
- 5) *What is the net impact of the project on critical and non-critical infrastructure?*
This project would protect a large portion of Price Lake Road.
- 6) *To what extent does the project provide a synergistic effect with other approved and/or constructed restoration projects?*
The project will have synergistic effects with ME-18, ME-35, ME-37, and the ME-20 projects.

Considerations

None

Preliminary Costs

The estimated fully-funded cost range is \$45M-\$50M. There would be no maintenance cost associated with this project.

Preparer(s) of Fact Sheet:

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-  Rockefeller Refuge
-  Shoreline Protection
-  ME-18, ME-37, ME-35



PPL33 Gulf Shoreline Protection West Cameron Parish, Louisiana



COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

MAY 4, 2023

ADDITIONAL AGENDA ITEMS

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

MAY 4, 2023

REQUEST FOR PUBLIC COMMENTS

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT
TASK FORCE MEETING

MAY 4, 2023

DATE OF UPCOMING CWPPRA PROGRAM MEETING

For Announcement:

The Technical Committee meeting will be held September 7, 2023 at 9:30 a.m.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

MAY 4, 2023

SCHEDULED DATES OF FUTURE PROGRAM MEETINGS*

For Announcement:

September 7, 2023	9:30 a.m.	Technical Committee Meeting	New Orleans
October 5, 2023	9:30 a.m.	Task Force	New Orleans
December 7, 2023	9:30 a.m.	Technical Committee Meeting	New Orleans

*subject to change

