Letters from Colonel Jones to Agencies

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT
7400 LEAKE AVENUE
NEW ORLEANS LA 70118-3651

NOV 0 8 2023

Programs and Project Management Division
Projects and Restoration Branch

Mr. Bren Haase
Chairman
Coastal Protection and Restoration Authority
Board of Louisiana
150 Terrace Avenue
Baton Rouge, LA 70802

Dear Mr. Haase:

This letter is in reference to the October 2023 Task Force Electronic Vote. As a result of a potential government shutdown, the planned October 12, 2023, Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA) Task Force meeting was cancelled. In lieu of re-scheduling the October meeting, an electronic vote is requested on the agenda items that were to be presented for approval at the meeting. The CWPPRA Program's Task Force shall consider the Technical Committee's recommendation of approval on the requests for incremental Operation and Maintenance (O&M) and Monitoring funding for constructed cash flow projects, as well as O&M and Monitoring funding increases for non-cash flow projects. Other agenda items included: CWPPRA Academic Advisory Group Chairman, final transfers, inactivations, deauthorizations, monitoring budget increase, a two-year time extension, 2024 CWPPRA Report to Congress approval, and technical services. The supporting materials for each request are enclosed (Enclosure 1). The recommendations of the Technical Committee can be referenced in the September 7, 2023, meeting minutes enclosed (Enclosure 2).

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11. The CWPPRA Task Force approves the Technical Committee's recommendation to fund technical services for the CWPPRA program in the amount of $266,315.00.

12. The CWPPRA Task Force approves the Technical Committee's recommendation to provide funds in the amount of $50,368 for administrative costs for cash flow projects beyond Increment 1.

13. The CWPPRA Task Force approves the Technical Committee's recommendation for FY24 O&M incremental funding for PPL 9+ Projects in the total amount of $3,425,173.02.

14. The CWPPRA Task Force approves the Technical Committee's recommendation for FY24 O&M incremental funding for PPL 1-8 Projects in the total amount of $296,729.00.

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16. The CWPPRA Task Force approves the Technical Committee's recommendation for FY24 Monitoring incremental funding for PPL 1-8 Projects in the total amount of $237,510.00.

17. The CWPPRA Task Force approves the Technical Committee's recommendation for FY24 Monitoring incremental funding for the Coastwide Reference Monitoring System (CRMS) in the total amount of $10,000,000.00.

Please use the enclosed form to submit your vote (Enclosure 3). Please email a signed copy to Terri.M.Vonhoven@usace.army.mil by COB Tuesday, November 14, 2023.

If you have any questions concerning this request, please contact Ms. Kaitlyn M Richard, CWPPRA Program Manager, at Kaitlyn.M.Carriere@usace.army.mil or (504) 862-1723 or Mr. Mark R. Wingate, P. E., CWPPRA Technical Committee Chairman, at Mark.R.Wingate@usace.army.mil or (504) 862-1798.

Sincerely,

Cullen A. Jones, P.E., PMP
Colonel, U.S. Army
Commanding

Enclosures

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NEW ORLEANS LA 70118-3651

NOV 0 8 2023

Programs and Project Management Division
Projects and Restoration Branch

Mr. Charles Maguire
Director, Water Division
U.S. Environmental Protection Agency
Region 6
1201 Elm Street
Suite 500
Dallas, TX 75270

Dear Mr. Maguire:

This letter is in reference to the October 2023 Task Force Electronic Vote. As a result of a potential government shutdown, the planned October 12, 2023, Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA) Task Force meeting was cancelled. In lieu of re-scheduling the October meeting, an electronic vote is requested on the agenda items that were to be presented for approval at the meeting. The CWPPRA Program's Task Force shall consider the Technical Committee's recommendation of approval on the requests for incremental Operation and Maintenance (O&M) and Monitoring funding for constructed cash flow projects, as well as O&M and Monitoring funding increases for non-cash flow projects. Other agenda items included: CWPPRA Academic Advisory Group Chairman, final transfers, inactivations, deauthorizations, monitoring budget increase, a two-year time extension, 2024 CWPPRA Report to Congress approval, and technical services. The supporting materials for each request are enclosed (Enclosure 1). The recommendations of the Technical Committee can be referenced in the September 7, 2023, meeting minutes enclosed (Enclosure 2).

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NEW ORLEANS LA 70118-3651

NOV 0 6 2023

Programs and Project Management Division
Projects and Restoration Branch

Mr. Jeff Weller
Program Supervisor
U.S. Fish and Wildlife Service
Louisiana Field Office
646 Cajundome Boulevard
Suite 400
Lafayette, LA 70506

Dear Mr. Weller:

This letter is in reference to the October 2023 Task Force Electronic Vote. As a result of a potential government shutdown, the planned October 12, 2023, Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA) Task Force meeting was cancelled. In lieu of re-scheduling the October meeting, an electronic vote is requested on the agenda items that were to be presented for approval at the meeting. The CWPPRA Program's Task Force shall consider the Technical Committee's recommendation of approval on the requests for incremental Operation and Maintenance (O&M) and Monitoring funding for constructed cash flow projects, as well as O&M and Monitoring funding increases for non-cash flow projects. Other agenda items included: CWPPRA Academic Advisory Group Chairman, final transfers, inactivations, deauthorizations, monitoring budget increase, a two-year time extension, 2024 CWPPRA Report to Congress approval, and technical services. The supporting materials for each request are enclosed (Enclosure 1). The recommendations of the Technical Committee can be referenced in the September 7, 2023, meeting minutes enclosed (Enclosure 2).

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NOV 0 8 2023

Programs and Project Management Division
Projects and Restoration Branch

Ms. Leslie Craig
Supervisor, Office of Habitat Conservation
National Oceanic and Atmospheric Administration
1315 East-West Highway
Room 14853
Silver Spring, MD 20910

Dear Ms. Craig:

This letter is in reference to the October 2023 Task Force Electronic Vote. As a result of a potential government shutdown, the planned October 12, 2023, Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA) Task Force meeting was cancelled. In lieu of re-scheduling the October meeting, an electronic vote is requested on the agenda items that were to be presented for approval at the meeting. The CWPPRA Program's Task Force shall consider the Technical Committee's recommendation of approval on the requests for incremental Operation and Maintenance (O&M) and Monitoring funding for constructed cash flow projects, as well as O&M and Monitoring funding increases for non-cash flow projects. Other agenda items included: CWPPRA Academic Advisory Group Chairman, final transfers, inactivations, deauthorizations, monitoring budget increase, a two-year time extension, 2024 CWPPRA Report to Congress approval, and technical services. The supporting materials for each request are enclosed (Enclosure 1). The recommendations of the Technical Committee can be referenced in the September 7, 2023, meeting minutes enclosed (Enclosure 2).

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NOV 0 8 2023

Programs and Project Management Division
Projects and Restoration Branch

Mr. W. Britt Paul, P.E.
Assistant State Conservationist/Water Resources
Natural Resources Conservation Service
3737 Government Street
Alexandria, LA 71302

Dear Mr. Paul:

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Sincerely,

[redacted]

Cullen A. Jones, P.E., PMP
Colonel, U.S. Army
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Enclosures

Task Force Meeting Electronic Votes
November, 2023

Task Force Electronic Vote October 2023

Agency:	Task Force Member Name:	*Instructions: Please put your name and agency at the top of this form. Check or initial the appropriate box below for each motion. Sign and date the bottom of the form. Email to Terri.M.Vonhoven@usace.army.mil.*

Motions:	I **approve** the motion as stated to the left.	I do **NOT** approve the motion as stated to the left.
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Signed, _____ Task Force Member Signature		_____ Date

Enclosure 3

Task Force Electronic Vote October 2023

Agency:	Task Force Member Name:	*Instructions: Please put your name and agency at the top of this form. Check or initial the appropriate box below for each motion. Sign and date the bottom of the form. Email to Terri.M.Vonhoven@usace.army.mil.*
CPRA	Bren Haase	

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The CWPPRA Task Force approves the Technical Committee's recommendation for the development of the 2024 CWPPRA Report to Congress be funded in the amount of $95,000.00.	X	
The CWPPRA Task Force approves the Technical Committee's recommendation for technical services for the CWPPRA program in the amount of $266,315.00.	X	
The CWPPRA Task Force approves the Technical Committee's recommendation for funds in the amount of $50,368 for administrative costs for cash flow projects beyond Increment 1.	X	
The CWPPRA Task Force approves the Technical Committee's recommendation for FY24 O&M incremental funding for PPL 9+ Projects in the total amount of $3,425,173.02.	X	
The CWPPRA Task Force approves the Technical Committee's recommendation for FY24 O&M incremental funding for PPL 1-8 Projects in the total amount of $296,729.00.	X	
The CWPPRA Task Force approves the Technical Committee's recommendation for FY24 Monitoring incremental funding for PPL 9+ Projects in the total amount of $1,003,724.00	X	
The CWPPRA Task Force approves the Technical Committee's recommendation for FY24 Monitoring incremental funding for PPL 1-8 Projects in the total amount of $237,510.00.	X	
The CWPPRA Task Force approves the Technical Committee's recommendation for FY24 Monitoring incremental funding for the Coastwide Reference Monitoring System (CRMS) in the total amount of $10,000,000.00.	X	

Signed,

Bren Haase Digitally signed by Bren Haase Date: 2023.11.09 09:16:43 -06'00'

Task Force Member Signature

11/9/2023

Date

Enclosure 3

Task Force Electronic Vote October 2023

Agency:	Task Force Member Name:	*Instructions: Please put your name and agency at the top of this form. Check or initial the appropriate box below for each motion. Sign and date the bottom of the form. Email to Terri.M.Vonhoven@usace.army.mil.*
US EPA	Troy Hill (Acting)	

Motions:	I **approve** the motion as stated to the left.	I do **NOT** approve the motion as stated to the left.
The CWPPRA Task Force approves and adopts the minutes from the May 4, 2023 Task Force meeting.	X	
The CWPPRA Task Force approves the Technical Committee's recommendation for Dr. Andy Nyman from Louisiana State University as the CWPPRA Academic Advisory Group Chairman.	X	
The CWPPRA Task Force approves the Technical Committee's recommendation for the final transfer of the Long Point Bayou Marsh Creation (CS-85) Project to NRDA LA TIG.	X	
The CWPPRA Task Force approves the Technical Committee's recommendation for the final transfer of the Bayou La Loutre Ridge and Marsh Restoration (PO-178) Project to NRDA LA TIG.	X	
The CWPPRA Task Force approves the Technical Committee's recommendation to inactivate the Terracing and Marsh Creation South of Big Mar (BS-24) Project.	X	
The CWPPRA Task Force approves the Technical Committee's recommendation to initiate inactivation of the Oyster Lake Marsh Creation and Nourishment (CS-79) Project.	X	
The CWPPRA Task Force approves the Technical Committee's recommendation to initiate deauthorization of the East Catfish Lake Marsh Creation and Shoreline Protection (TE-157) Project.	X	
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Signed,

TROY HILL Digitally signed by TROY HILL
Date: 2023.11.15 06:41:16 -06'00'

Task Force Member Signature

Date

Enclosure 3

Task Force Electronic Vote October 2023

Agency:	Task Force Member Name:	*Instructions: Please put your name and agency at the top of this form. Check or initial the appropriate box below for each motion. Sign and date the bottom of the form. Email to Terri.M.Vonhoven@usace.army.mil.*
DOI/USFWS	Jeffrey Weller	

Motions:	I **approve** the motion as stated to the left.	I do **NOT** approve the motion as stated to the left.
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The CWPPRA Task Force approves the Technical Committee's recommendation for the final transfer of the Bayou La Loutre Ridge and Marsh Restoration (PO-178) Project to NRDA LA TIG.	☑	☐
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The CWPPRA Task Force approves the Technical Committee's recommendation to initiate inactivation of the Oyster Lake Marsh Creation and Nourishment (CS-79) Project.	☑	☐
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The CWPPRA Task Force approves the Technical Committee's recommendation for FY24 Monitoring incremental funding for the Coastwide Reference Monitoring System (CRMS) in the total amount of $10,000,000.00.	☑	☐

Signed,

[redacted]

Task Force Member Signature

NOV 13/2023

Date

Enclosure 3

Task Force Electronic Vote October 2023

Agency:	Task Force Member Name:	*Instructions: Please put your name and agency at the top of this form. Check or initial the appropriate box below for each motion. Sign and date the bottom of the form. Email to Terri.M.Vonhoven@usace.army.mil.*
NMFS	Leslie Craig	

Motions:	I **approve** the motion as stated to the left.	I do **NOT** approve the motion as stated to the left.
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Signed,

CRAIG.LESLIE.JEAN.1365855095 Digitally signed by CRAIG.LESLIE.JEAN.1365855095 Date: 2023.11.13 15:08:17 -05'00'

Task Force Member Signature

Date

Enclosure 3

Task Force Electronic Vote October 2023

Agency:	Task Force Member Name:	*Instructions: Please put your name and agency at the top of this form. Check or initial the appropriate box below for each motion. Sign and date the bottom of the form. Email to Terri.M.Vonhoven@usace.army.mil.*
NRCS	W. Britt Paul	

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Signed,

W PAUL Digitally signed by W PAUL
Date: 2023.11.14 12:56:38 -06'00'

Task Force Member Signature

November 14, 2023

Date

Enclosure 3

Task Force Meeting Minutes
May 4, 2023

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 12, 2023

ADOPTION OF MINUTES FOR THE MAY 4, 2023 TASK FORCE MEETING

For Decision:

Mr. 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.

MRCEMVN-PM-C 14 September 23
MEMORANDUM FOR RECORD

SUBJECT: Minutes from the 7 September 23 CWPPRA Technical Committee Meeting

1. The meeting was initiated at 9:30 a.m. The following Technical Committee members were in attendance:

Mr. Mark Wingate, U.S. Army Corps of Engineers (USACE), Acting Chairman
Mr. Brian Lezina, Louisiana Coastal Protection and Restoration Authority (CPRA)
Mr. Kevin Roy, U.S. Fish and Wildlife Service (USFWS)
Ms. Karen McCormick, Environmental Protection Agency (EPA)
Mr. Patrick Williams, NOAA, National Marine and Fisheries Services (NMFS)
Mr. Britt Paul, Natural Resources Conservation Service (NRCS)

A copy of the agenda is included as **Encl 1**. A copy of the sign-in sheet is included as **Encl 2**.

2. Agenda Item 1. Meeting Initiation

The meeting was conducted in a hybrid fashion, in person and via WebEx virtual meeting platform. Mr. Mark Wingate, USACE, introduced himself as Chairman and called the meeting to order. He reminded all in attendance of safety protocols of USACE. Mr. Wingate then acknowledged the hard work that the CWPPRA Workgroups accomplished over the summer and behind the scenes conducting site visits, collecting data to develop Phase I and Phase II candidate projects. Mr. Wingate then highlighted the purpose of the meeting to consider the FY26 O&M and Monitoring incremental funding requests. He then asked Technical Committee members to introduce themselves and invited opening comments from the Technical Committee. With a certificate, Mr. Wingate recognized the contributions of Mr. Steve Barone, Financial Administrative Team Representative for NMFS. He invited Ms. Cece Linder to say a few words. Ms. Linder describe the invaluable contributions of Mr. Barone and wished him well in his future endeavors. Mr. Williams and Ms. McCormick of the Technical Committee then thanked Mr. Barone for his patience and assistance with evolving financial processes.

Mr. Wingate asked the Technical Committee for any recommended changes to the agenda for today's proceedings; none were proffered.

Mr. Wingate called for a motion to adopt the agenda as is.

Decision: Mr. Lezina made the motion, which Mr. Paul seconded; the motion passed without opposition.

Mr. Wingate then asked Mr. Inman to iterate the protocol for Technical Committee participation and public comment in this hybrid meeting format, instructions which were provided on PowerPoint slides throughout the presentation.

2. Agenda Item 2. Report: Status of CWPPRA Program Funds and Projects (Ms. 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 – 32) is $3.3 billion. The total funded estimate (received since inception, and anticipated through FY2024) is $2.6 billion, leaving a potential gap of $725 million if the Program were to construct, operate and maintain all projects to date. Current Task Force-approved funding for projects in Phase I, Phase II, and O&M and Monitoring totals $2.5 billion. Authorized funding for each agency as allocated currently totals $2.2 billion.

As previously mentioned, the Program Estimate is currently $3,343,516,347 for PPLs 1 – 32. A request will be made today for the Technical Committee to the annual request for funding for Construction Program Technical Services in the amount of $266,315. An additional budget request in the amount of $95,000 was requested to cover the 2024 Report to Congress. A project budget increase of $928,548 was also requested. If all are approved, these budget increases bring the total program estimate to $3,344,806,210.

The CWPPRA Program has $82,068,130 of funding carried from the May 2023 Task Force meeting. The Program anticipates an estimate of FY24 DOI funding in the amount of $95,487,540 (which will be allocated for the FY24 construction program.) Thus, the total available funds for requests presented at today's proceedings are $177,555,670. The total of anticipated funding requests (which will be presented individually at this meeting) is $15,374,855.02. If the funding requests are approved, the Program will move forward into December proceedings with available funds totaling $177,555,670.00.

CWPPRA has authorized 236 projects. The 131 active projects including 25 in Phase I Engineering and Design, 26 in Phase II Construction and 6 support projects. There are 74 projects that have been constructed and are now in O&M phase, and 40 projects that have been closed financially. Additionally, CWPPRA has deauthorized 49 projects, transferred 10 projects, and placed 6 in the inactive category. The 6 technical support programs include Coastwide Reference Monitoring System (CRMS), Monitoring Contingency Fund, Storm Recovery Procedures, Construction Program Technical Services, the Wetland Conservation Plan, and Programmatic Signage.

Mr. Wingate opened the floor to discussion from the Technical Committee and the public;
Mr. Pat Williams expressed having $164 M is a good news story from last year's financial reconciliation. This will allow the program to deal with overruns when projects are going out for construction. Additionally, this agenda has items that will help with the backlog of projects through inactivation, transfers and those inconsistent with the State Master Plan, bringing the number of projects currently in Phase I to 18 down from 25. No comments were proffered from the public.

3. Agenda Item 3. Decision/Report: Selection of CWPPRA Academic Advisory Group Chairman (Kaitlyn Richard, USACE)

Ms. Richard explained the CWPPRA program's organizational structure is not only composed of federal agencies in the state of Louisiana, but it is inclusive of the academic community as well. They work closely with the work group and the monitoring work group in regards to the development of projects. Since the retirement of Dr. Charles Sasser, Dr. Erick Swenson has acted in the AAG Chairman capacity. We greatly appreciate Dr. Swenson's contributions and service to this program. A solicitation of interest for the AAG Chairman was sent out via

CWPPRA Newsflash, June Newsletter, emailed to 24 different professors from universities across the coastal region as well as being posted on Facebook and Twitter. Two applications were received and reviewed by the Planning and Evaluation subcommittee. Dr. John Andrew Nyman was selected for the Chairman role. He is a Professor at LSU in the School of Renewable Natural Resources. He has authored and co-authored many peer reviewed publications that are relevant to wildlife and fisheries ecology as well as wetland management and conservation. The request is a recommendation to the Task Force for approval of the selection of Dr. Andy Nyman for the Chairman position of the Academic Advisory Group.

Mr. Wingate opened the floor to comments from the Technical Committee and the public. None were proffered.

Mr. Wingate called for a motion to approve the selection of Dr. Nyman as the Chair of the CWPPRA Academic Advisory Group.

Decision: Mr. Roy made the motion, which Mr. Lezina seconded; the motion passed without opposition.

4. Agenda Item 4. Report: Status of Unconstructed Projects (Kaitlyn Richard, USACE)

Ms. Richard explained that the P&E subcommittee met twice in July 2023 (as it does annually) to assess unconstructed projects that are at least five years old. However, this year to address the backlog, projects ewndured a more thorough and rigorous review, projects at least three years old (through PPL 30) were evaluated this year. The goal is to identify projects with issues that should be addressed, especially those with issues critical enough to impede project progress. Ms. Richard provided a list of five "Critical Watch" CWPPRA projects to bring closer attention to them as issues are being resolved. In the interest of providing quality coastal restoration projects that are timely and cost effective, projects that have experienced delays due to landowner issues, State Master Plan inconsistencies, and have requested Phase II construction funding three or more times are considered for "Critical Watch." Those projects are Oyster Lake Marsh Creation and Nourishment, CS-79, Freshwater Bayou Marsh Creation, ME-31, Fritchie Marsh Creation and Terracing, PO 173, Barataria Bay Rim Marsh Creation, BA-195, Terracing and Marsh Creation South of Big Mar, BS-24.

Mr. Wingate opened the floor to comments from the Technical Committee and the public; none were proffered.

5. Agenda Item 5. Decision: Request for Final Transfer of the Long Point Bayou Marsh Creation (CS-85) Project (Karen McCormick, EPA; Brian Lezina, CPRA)

Ms. Karen McCormick highlighted the good news story regarding the transfer of the Long Point Bayou Marsh Creation (CS-85) Project. This does help with the backlog of projects to do what is best for the state. CS-85 will be transferred to the NRDA Trustees and is under construction. EPA and CPRA will return the remaining Phase I Engineering and Design CWPPRA funds to the program thus providing an opportunity to leverage other funds to get additional projects constructed.

Mr. Wingate opened the floor to comments from the Technical Committee and the public. Mr. Pat Williams stated this is a good news story and project transfers assist with the reduction of project backlog. It also leverages CWPPRA investment from E&D, and it allows projects to get on the ground with the settlement funds and restore habitat. This really exemplifies a way to get a return on the investment while leveraging and building these partnerships. None were proffered from the public.

Mr. Wingate called for a motion for Final Transfer of the Long Point Bayou Marsh Creation (CS-85) Project.

Decision: Ms. McCormick made the motion, which Mr. Lezina seconded; the motion passed without dissent.

6. Agenda Item 6. Decision: Final Transfer of the Bayou La Loutre Ridge and Marsh Restoration (PO_178) Project to the NRDA Trustee Implementation Group (TIG) (Britt Paul NRCS and Brian Lezina, CPRA)

Mr. Lezina began with how this project is a great example of CWPPRA return on investment, and is the largest marsh creation project to date. He also stated that the CWPPRA program is a keystone restoration program for the state. By transferring this project, it can be constructed with Deep Water Horizon funds.

Mr. Wingate opened the floor to comments from Technical Committee and the public. None were proffered.

Mr. Wingate called for a motion to recommend to the Task force approval of Final Transfer of the Bayou La Loutre Ridge and Marsh Restoration (PO_178) Project.

Decision: Mr. Paul made the motion, which was seconded by Mr. Lezina; the motion carried without opposition.

7. Agenda Item 7. Decision: Request for Inactivation of BS-24 Terracing and Marsh Creation South of Big Mar Project (Kevin Roy, FWS)

Mr. Roy gave a brief history of the PPL 22 project that aimed to create 392 acres of marsh and 21,500 linear feet of terraces. The project reached 95% design in October 2016. He then asserted that as part of an effort to reduce the backlog of projects currently in Phase 1, this project is no longer considered consistent with the State Coastal Master Plan and thus is requesting inactivation. Because it reached 95% design, this project will sit on the shelf and all spending on the project will cease.

Mr. Wingate opened the floor to comments from the Technical Committee and the public. None were proffered.

Mr. Wingate called for a motion to inactivate BS-24 Terracing and Marsh Creation South of Big Mar (BS-24) Project.

Decision: Mr. Roy made the motion, which was seconded by Mr. Paul; the motion carried without opposition.

8. Agenda Item 8. Decision: Request for Inactivation of CS-79 Oyster Lake Marsh Creation and Nourishment (CS-79) Project (Dawn Davis, NOAA)

Ms. Davis offered a brief overview of the PPL 25 project, designed to create 413 acres located in Cameron Parish, that reached 95% design in October 2020. She stated that NMFS and CPRA are seeking to inactivate the Oyster Lake project because design changes have made it a less cost-effective project and it has competed for construction for the last three years. In an effort to address the backlog, inactivation allows for more cost-effective projects to seek construction funds.

Mr. Wingate opened the floor to comments from the Technical Committee and the public. None were proffered.

Mr. Wingate called for a motion to Inactivation of the Oyster Lake Marsh Creation and Nourishment (CS-79) Project.

Decision: Mr. Williams made the motion, which was seconded by Mr. Lezina; the motion carried without opposition.

9. Agenda item 9. Decision: Request for Initial Deauthorization of TE-157 East Catfish Lake Marsh Creation and Shoreline Protection Project (Kevin Roy, FWS)

Mr. Roy explained TE-157 was a PPL 29 project intent on creating 306 acres of marsh and 12,500 linear feet of shoreline protection, and is no longer considered consistent with the State Coastal Master Plan. Because the project has not reached 95% design, this project will be seeking deauthorization, not inactivation, and approximately $2.4 M will be returned to the program, while helping reduce the backlog.

Mr. Wingate opened the floor to comments from the Technical Committee.

Mr. Williams stated he has programmatic comments that he will offer following the vote.

Mr. Wingate opened the floor to comments from the public. None were proffered.

Mr. Wingate called for a motion for Initial Deauthorization of TE-157 East Catfish Lake Marsh Creation and Shoreline Protection Project.

Decision: Mr. Roy made the motion, which was seconded by Mr. Lezina; the motion carried without opposition.

Mr. Williams highlighted the two examples of partnering opportunities. The previous three agenda items showcase how the backlog of projects is being handled and how projects are being moved into suspension mode. He then invited the public to take advantage of the designed projects that cannot be funded under CWPPRA and let the Technical Committee know of any interest and ideas to increase acreage habitat restoration. Mr. Williams continued that this is a call to action, all engagement is welcomed, and the program looks forward to working together to get more projects on the ground.

Mr. Wingate opened the floor for additional comments from the Technical Committee. None were proffered.

Mr. Wingate opened the floor to comments from the public. None were proffered.

10. Agenda Item 10. Decision: Request for Monitoring Budget Increase for ME-20 South Grand Cheniere Marsh Creation Project (Kevin Roy, FWS)

Mr. Roy, on behalf of FWS and CRPA explained this is an older project, since PPL 11, which first received Phase II funding in 2010. Landrights issues prevented the project from moving forward at the time. Once those landrights issues were resolved, Phase II funds were again approved. After resolving bid issues, the project was completed in September 2022, creating 453 acres of marsh. A request for a monitoring budget increase in the amount of $928,548 for the ME-20 South Grand Chenier Marsh Creation Project is presented. The original fully-funded monitoring budget of $152,822, approved in January 2014 as part of the second Phase 2 approval, is inadequate to perform monitoring activities throughout the 20 year project life. A part two request is also presented to repurpose the $20,898 that remains from the Phase I monitoring activities to the Phase II monitoring.

Mr. Wingate opened the floor to comments from the Technical Committee and the public. None were proffered.

Mr. Wingate then confirmed with Mr. Inman regarding the motion. He then called for a motion in two parts. The first part being approve the request for monitoring budget increase for the ME-20, South Grand Chenier Marsh Creation project. Then the second part is a motion to repurpose phase I monitoring to phase II monitoring budget of the ME-20South Grand Cheniere Marsh Creation Project.

Decision: Mr. Lezina made the motion, which was seconded by Mr. Roy; the motion carried without opposition.

11. Agenda Item 11. Decision: Request for a two-year No Cost Extension for Oaks/Avery Canal Hydrologic Restoration (TV-13a) (Dion Broussard, CPRA)

Mr. Broussard presented the request for a two-year, no additional cost request to complete final maintenance event and complete project close out. Following bid opening 3 August, the sole bid received exceeded the available budget, and thus CPRA will re-bid in hopes of a more favorable outcome.

Mr. Wingate opened the floor to comments from the Technical Committee and the public. None were proffered.

Mr. Wingate called for a motion for a two-year No Cost Extension for Oaks/Avery Canal Hydrologic Restoration (TV-13a)

Decision: Mr. Paul made the motion, which was seconded by Mr. Lezina; the motion carried without opposition.

12. Agenda Item 12. Decision: Request for Funding to Develop the 2024 CWPPRA Report to Congress (Kaitlyn Richard, USACE)

Ms. Richard explained as required in law, the CWPPRA Task Force submits a report to Congress that communicates the effectiveness of CWPPRA projects every three years. USACE is requesting the development of the 2024 CWPPRA Report to Congress be funded in the amount of $95,000. Typically, funds are requested from the planning budget, however, this year there is a separate request to maintain the scope of the 2021 report that includes coordination with USGS, other federal agencies, the State of Louisiana, and the drafting and the graphic design and the printing as well of the document. A draft will be ready in the spring of next year.

Mr. Wingate opened the floor to comments from the Technical Committee and the public. None were proffered.

Mr. Wingate called for a motion to approve the Request for Funding to Develop the 2024 CWPPRA Report to Congress.

Decision: Mr. Williams made the motion, which was seconded by Mr. Roy; the motion carried without opposition.

13. Agenda Item 13. Decision: Request for Funding for the CWPPRA Program's Technical Services (Michelle Fischer, USGS)

Ms. Fisher presented the USGS and CPRA request for technical services for the CWPPRA program in the amount of $266,315. Examples of funding uses include LaCoast.gov website hosting, maintenance and security protocols, back-end databases, which allows multiagency sharing of information, public outreach, web content, fact sheets, WaterMarks and geospatial support of projects in engineering and design, construction and end of life. She stated the amount is an increase to that of last year and then highlighted the upgraded LaCoast.gov website and the required federal safety protocols.

Mr. Wingate opened the floor to comments from the Technical Committee and the public. None were proffered.

Mr. Wingate called for a motion to approve the Request for the CWPPRA Program's Technical Services.

Decision: Mr. Roy made the motion, which was seconded by Mr. Paul; the motion carried without opposition.

14. Agenda Item 13. Decision: Annual Request for Incremental Funding for FY26 Administrative Costs for Cash Flow Projects (Baylissa Walter, USACE)

Ms. Walter pointed out that project-specific incremental funding requests for administrative services are provided in the Technical Committee binders, and hereby requested recommendation to the Task Force total funding approval in the amount of $98,451.

Mr. Wingate opened the floor to comments from the Technical Committee and the public. None were proffered.

Mr. Wingate called for a motion to approve the Annual Request for Incremental Funding for FY25 Administrative Costs for Cash Flow Projects.

Decision: Mr. Williams made the motion, which was seconded by Ms. McCormick; the motion carried without opposition.

15. Agenda Item 15. Decision: Request for Operations and Maintenance (O&M) Incremental Funding (Brandon Champagne, CPRA)

The request for FY26 O&M incremental funding totals $3,721,961.79. Mr. Champagne presented the request as follows, highlighting specifically those exceeding $100,000 in incremental funding.

a. PPL9+ Projects requesting approval for FY26 O&M incremental funding in the total amount of $3,425,232.79

- Cameron-Creole Freshwater Introduction (CS-49)
  Incremental Funding Request: $67,194.00
- Cameron-Creole Grand Bayou Marsh Creation (CS-54)
  Incremental Funding Request: $8,648.00
- Cameron Meadows Marsh Creation (CS-66)
  Incremental Funding Request: $23,485.00
- Freshwater Introduction South of Hwy 82 (ME-16)
  Incremental Funding Request: $16,955.00
- Rockefeller Refuge Shoreline Protection w/ LA-08 (ME-18)
  Incremental Funding Request: $21,749.00
- Grand Lake - Tebo Point Shoreline Protection (ME-21)
  Incremental Funding Request: $15,000.00
- South White Lake Shoreline Protection (ME-22)
  Incremental Funding Request: $190,601.00
- Four Mile Canal & Little White Lake Terrace and Sediment Trapping (TV-18)
  Incremental Funding Request: $10,000.00
- Cole's Bayou March Creation (TV-63)
  Incremental Funding Request: $15,400.00
- Barataria Landbridge Shoreline Protection Project (BA-27c)
  Incremental Funding Request: $364,415.00
- GIWW Critical Areas Bank Restoration Project (TE-43)
  Incremental Funding Request: $590,000.00
- Lake Des Allemands Swamp HR Project (BA-34-2)
  Incremental Funding Request: $56,978.00
- Little Lake Shoreline Protection Project (BA-37)
  Incremental Funding Request: $2,198.00

- West Belle Pass Headland Project (TE-52)
  Incremental Funding Request: $3,878.23
- Bayou Decade Ridge and Marsh Creation Project (TE-138)
  Incremental Funding Request: $16,600.00
- Lost Lake Marsh Creation and Restoration (TE-72)
  Incremental Funding Request: $250,000.00
- Bayou Dupont Marsh and Ridge Restoration (BA-48)
  Incremental Funding Request: $18,534.80
- Grand Liard Marsh and Ridge Restoration (BA-68)
  Incremental Funding Request: $16,065.63
- Pass Chaland to Grand Bayou Pass Barrier Shoreline Restoration (BA-35)
  Incremental Funding Request: $1,564.00
- Pelican Island and Pass La Mer to Chaland Pass Restoration (BA-38)
  Incremental Funding Request: $6,586.55
- Lake Hermitage Marsh Creation (BA-42)
  Incremental Funding Request: $45,023.00
- Bayou Dupont Sediment Delivery-Marsh Creation 3 (BA-164)
  Incremental Funding Request: $15,248.81
- Coastwide Nutria Control Program (LA-03b)
  Incremental Funding Request: $1,664,347.00
- Coastwide Vegetative Planting (LA-39)
  Incremental Funding Request: $4,702.00

Mr. Wingate noted a discrepancy of $52.77 between what was presented and what figure is visible on the slide. Mr. Champagne stated he may have read an incorrect amount. Mr. Wingate noted that the amount can be corrected prior to the Task Force meeting if necessary. Then he opened the floor to comments from the Technical Committee and the public.

Mr. Williams acknowledged that there were no budget increases presented, only three-year incremental requests. He also appreciated the explanation of details associated with the requests for projects seeking funds in excess of $100,000. Mr. Williams then requested additional information regarding TE-43, GIWW Critical Areas Bank Restoration project.

Mr. Champagne presented supplementary background information on TE-43 highlighting the settlement that occurred due to poor soil conditions thus requiring about 2400 linear feet of treated lumber fencing. The amount also includes mobilization and demobilization.

Mr. Wingate opened the floor for any additional comments from the Technical Committee and the public. None were proffered.

Mr. Wingate called for a motion to recommend to the Task Force approval of FY26 O&M Incremental Funding for PPL 9+ Projects totaling $3,425,232.79 as presented.

Decision: Mr. Lezina made the motion, which was seconded by Mr. Paul; the motion carried without opposition.

a. PPL1-8 Projects requesting approval for FY26 O&M incremental funding in the total amount of $296,729 for the following projects

- Cameron Creole Maintenance (CS-04a)
  Incremental Funding Request: $274,394.00
- Sabine Refuge Marsh Creation Cycles 4 & 5 (CS-28-4-5)
  Incremental Funding Request: $8,008.00
- Freshwater Bayou Bank Stabilization (ME-13)
  Incremental Funding Request: $14,327.00

Mr. Wingate opened the floor to comments from the Technical Committee and the public. None were proffered.

Mr. Wingate called for a motion to approve FY26 O&M incremental funding in the total amount of $296,729 for PPL 1-8 Projects as outline above.

Decision: Mr. Lezina made the motion, which was seconded by Ms. McCormick; the motion carried without opposition.

16. Agenda Item 16. Decision: Request for Monitoring Incremental Funding (Jessica Converse, CPRA)

The total request for FY26 Monitoring incremental funding is $11,241,234.00. Ms. Converse presented the requests as follows, highlighting those requests which exceed $100,000:

a. PPL9+ Projects requesting approval for FY25 Monitoring incremental funding in the total amount of $1,003,724 for the following projects

- Coastwide Vegetative Planting (LA-39)
  Incremental Funding Request: $124,515.00
- Black Bayou Culverts Hydrologic Restoration (CS-29)
  Incremental Funding Request: $43,331.00
- Whiskey Island Back Barrier Marsh Creation (TE-50)
  Incremental Funding Request: $11,815.00
- Cameron-Creole Freshwater Introduction (CS-49)
  Incremental Funding Request: $8,446.00
- Oyster Bayou Marsh Restoration (CS-59)
  Incremental Funding Request: $29,105.00
- Cameron Meadows (CS-66)
  Incremental Funding Request: $97,452.00
- South Grand Chenier Marsh Creation (ME-20)

Incremental Funding Request: $258,362

- Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
  Incremental Funding Request: $153,598
- Bayou Dupont Marsh and Ridge Creation (BA-48)
  Incremental Funding Request: $34,486
- Bayou Dupont Sediment Delivery- Marsh Creation and Terracing #3 (BA-164)
  Incremental Funding Request: $3,864
- South Lake Lery Marsh Creation and Shoreline Protection (BS-16)
  Incremental Funding Request: $55,698
- Bayou Bonfouca Marsh Creation (PO-104)
  Incremental Funding Request: $2,086
- Coastwide Nutria Control Program (LA-03b)
  Incremental Funding Request: $180,966.00

Mr. Wingate opened the floor to comments from the Technical Committee and the public. No more were proffered.

Mr. Wingate called for a motion to approve FY26 Monitoring incremental funding in the amount of $1,003,724.00 for PPL 9+ Projects as outlined above.

Decision: Mr. Lezina made the motion, which was seconded by Mr. Roy; the motion carried without opposition.

b. PPL1-8 Projects requesting approval for FY25 Monitoring incremental funding in the total amount of $237,510.00 for the following projects

- Cameron Creole Maintenance (CS-04a)
  Incremental Funding Request: $113,019.00
- Replace Sabine Refuge Water Control Structures at Headquarters Canal, West Cove Canal, and Hog Island Gully (CS-23)
  Incremental Funding Request: $99,491.00
- Sabine Refuge Marsh Creation Increment 3 (CS-28-3)
  Incremental Funding Request: $25,000.00

Mr. Wingate opened the floor to comments from the Technical Committee and the public. No more were proffered.

Mr. Wingate called for a motion to approve FY26 Monitoring incremental funding in the total amount of $237,510.00 for PPL 1-8 Projects as outlined above.

Decision: Mr. Paul made the motion, which was seconded by Mr. Lezina; the motion carried without opposition.

c. Coastwide Reference Monitoring System (CRMS) requesting approval for FY25 incremental funding in the total amount of $10,000,000
- Coastwide Reference Monitoring System (LA-30)
  Incremental Funding Request: $10,000,000

Mr. Wingate opened the floor to comments from the Technical Committee and the public. No more were proffered.

Mr. Wingate called for a motion to approve FY26 incremental funding in the total amount of $10,000,000 CRMS as outlined above.

Decision: Ms. McCormick made the motion, which was seconded by Mr. Lezina; the motion carried without opposition.

17. Agenda Item 17. Additional Agenda Items (Brad Inman, USACE)

No additional agenda items were proffered.

18. Agenda Item 18. Request for Public Comments (Brad Inman, USACE)

No additional public comments were proffered.

19. Agenda Item 19 and 20. Announcement: Dates of Upcoming CWPPRA Program Meeting (Brad Inman, USACE)

Mr. Inman announced the following:

The Task Force meeting will be held October 12, 2023, at 9:30 a.m. at the Tulane River and Coastal Center, New Orleans

October 12, 2023	9:30 a.m.	Task Force	New Orleans
December 14, 2023	9:30 a.m.	Technical Committee	New Orleans
January 2024	9:30 a.m.	Task Force	TBD

Dates/ locations are subject to change; those updates will be posted on lacoast.gov or CWPPRA Newsflash.

21. Agenda Item 21. Decision: Adjourn

Mr. Wingate called for a motion to adjourn this meeting.

Mr. Williams made the motion, which Mr. Paul seconded; the motion carried without dissent, and the meeting adjourned at 10:40 a.m.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 12, 2023

SELECTION OF CWPPRA ACADEMIC ADVISORY GROUP CHAIRMAN

For Report/Decision:

A solicitation for a new Academic Advisory Group Chairman for CWPPRA was sent out via the CWPPRA newsflash in June 2023. The P&E Subcommittee evaluated the submitted applications and requests Technical Committee recommendation of Andy Nyman from Louisiana State University for Task Force approval as the CWPPRA Academic Advisory Group Chairman.

Dr. Nyman was unanimously selected by electronic vote.

LOUISIANA STATE UNIVERSITY

School of Renewable Natural Resources

16 June 2023

Terri Von Hoven, Ph.D.
Project Manager
U.S. Army Corps of Engineers
New Orleans District

Dear Dr. Von Hoven,

I am applying to serve as the chairman of the CWPPRA Academic Advisory Group, which is the focus on a Solicitation of Interest at https://www.lacoast.gov/ocmc/MailContent.aspx?ID=10289. A two-page CV is attached, as well as my full CV.

In 1993, Denise Reed and I met with David Soileau of the Louisiana Department of Natural Resources to determine how the CWPPRA Task Force could most efficiently integrate expertise and skills of university scientists into restoration planning. The following year, I was one of the original members of the Academic Advisory Group, which was the second year that CWPPRA selected restoration projects. That also was the first year that the Environmental Work Group visited potential restoration sites. I resigned from the Academic Advisory Group in 1999 because my research was taking up too much time. I stepped back in again in 2013 when there was an opening. Project selection now is much less interesting than in the 1990s when most projects focused on slowing the loss of natural wetlands by reducing flooding stress and/or salinity stress. Now, the focus is on using dredged material to create new wetlands.

In the 1990s', created marshes were designed to settle to 2 ft NGVD within 3 years of construction. When I returned to the AAG in 2013, created wetlands were being designed to be flooded 1% of the time within 3 years of construction. Subsequent research is disclosing that such elevations are too high to support fish and wildlife typical of coastal Louisiana. Thus, CWPPRA has been spending more money to dredge more sediments and stack them higher, which delays the ability of created wetlands to provide habitat for fish and wildlife, to store carbon, and to interact with nutrients. In recent years, design elevations have been evolving downward in part because of the my interactions with the Environmental Work Group and Engineering Work Group via the AAG. I hope to continue working to improve the efficiency of our restoration funds as chairman of the AAG.

Respectfully,

[redacted]

John Andrew Nyman, Ph.D.
Professor
F. O. Bateman Distinguished Professorship
School of Renewable Natural Resources
Louisiana State University
jnyman@lsu.edu

John Andrew Nyman, School of Renewable Natural Resources, Louisiana State University, Baton Rouge, LA 70803. jnyman@lsu.edu https://faculty.lsu.edu/nyman/

Andy Nyman holds the F.O. Bateman Distinguished Professorship in the School of Renewable Natural Resources at Louisiana State University where he focuses on wetland management and restoration. His coastal wetland experience began in 1985 with the Louisiana Department of Wildlife and Fisheries working 8 days-on and 6 days-off at the Pass A Loutre Wildlife Management Area collecting data, assisting researchers, and enforcing regulations. After graduate studies, he built a 100% soft-money position at the University of Louisiana at Lafayette where he remained until 2001, when he accepted a tenure-track position in the School of Renewable Natural Resources at Louisiana State University.

He has authored or co-authored 87 peer-reviewed publications that span wildlife and fish ecology as well as wetland management and conservation. His most cited papers, published in 1993 and 2006, were instrumental in leading to today's paradigm in which some coastal wetlands, although initiated on mineral sediments, can survive centuries of local subsidence and global sea-level rise by vertically accreting biogenically. Since 2013, his publications have been cited over 100 times annually.

Education

Ph.D. Louisiana State University. Baton Rouge, Louisiana. (Oceanography and Coastal Studies) 1993.
M.S. Louisiana State University. Baton Rouge, Louisiana. (Wildlife) 1989
B.S. University of New Orleans, New Orleans, Louisiana. (Biological Sciences) 1984

Professional experience

Professor (2012 – present), Associate Professor (2006 - 2012), Assistant Professor (2001-2006). School of Renewable Natural Resources, LSU Agricultural Center and Louisiana State University, Baton Rouge, LA 70803. Research (60%) in wetland wildlife ecology and teaching (40%) in graduate and undergraduate programs in wildlife science and wetland ecology and management.

Research Associate (1994 - 2000), Department of Biology, University of Southwestern Louisiana, P.O. Box 42451, Lafayette, LA 70504-2451. Independently develop a completely externally funded program to conduct research and train graduate students in wetland ecology and management.

Publications: Peer-reviewed journal articles, proceedings articles, and book chapters (87)

Five most recent:

Kross, C.S., R.V. Rohli, J.A. Moon, A.M.V. Fournier, M.S. Woodrey and J.A. Nyman. 2023. Preferred atmospheric circulations associated with favorable prescribed burns in the Gulf of Mexico coast, U.S.A. Fire Ecology 19:7.

DeMarco, K.E, E.R. Hillmann, J.A. Nyman, B. Couvillion, M.K. La Peyre. 2022. Defining aquatic habitat zones across Northern Gulf of Mexico estuarine gradients through Submerged Aquatic Vegetation species assemblage and biomass data. Estuaries and Coasts 45:148-167.

Taylor, C.B., J.A. Nyman, and M.K. La Peyre. 2022. Nekton community dynamics within active and inactive deltas in a major river estuary: potential implications for altered hydrology regimes. Aquatic Biology 31:1-18.

Nyman, J.A. 2022. An Overview of the History and Breadth of Wetland Management. Pages 73-100 In K. Krauss, Z. Zhu, and C. Stagg (editors). Wetland Carbon and Environmental Management. American Geophysical Union. John Wiley & Sons, Inc. DOI 10.1007/978-94-007-0551-7_6

Hu, K.L., E. Meselhe, and J.A. Nyman. 2021. The effect of Phragmites australis dieback on channel sedimentation in the Mississippi River Delta: a conceptual modeling study. Water 13:10.

Five most cited:

Nyman, J.A., R.J. Walters, R.D. DeLaune, and W.H. Patrick, Jr. 2006. Marsh vertical accretion via vegetative growth. Estuarine Coastal and Shelf Science 69:370-380.

Pezeshki, S.R., M.W. Hester, Q. Lin, and J.A. Nyman. 2000. The effects of oil spill and clean-up on dominant US Gulf Coast marsh macrophytes: a review. Environmental Pollution 108:129-139.

DeLaune, R.D., J.A. Nyman, and W.H. Patrick, Jr. 1994. Peat collapse, ponding, and wetland loss in a rapidly submerging coastal marsh. Journal of Coastal Research 10:1021-1030.

Nyman, J.A., R.D. DeLaune, H.H. Roberts, and W.H. Patrick, Jr. 1993. Relationship between vegetation and soil formation in a rapidly submerging coastal marsh. Marine Ecology Progress Series 96:269-279.

Nyman, J.A., R.D. DeLaune, and W.H. Patrick, Jr. 1990. Wetland soil formation in the rapidly subsiding Mississippi River Deltaic Plain: mineral and organic matter relationships. Estuarine, Coastal and Shelf Science 31:57-69

Presentations at national and international meetings: (59)

Five most recent:

Nyman, J.A. 2021. Conservation easements for "a significant relatively natural habitat in which a fish, wildlife or plant community or similar ecosystem normally lives" in the U.S. Tax Code. Annual Meeting of the Society of Wetland Scientists. Virtual. 1-4 June 2021.

Nyman, J.A. 2021. Conceptual Models to Help Explain and Predict the Response of Wetland Plant Roots to Nutrients. 13th International Symposium on Biogeochemistry of Wetlands. Virtual. 22-25 March 2021

Nyman, J.A. 2019. Spending more to delay wetland benefits: incorrectly accounting for sea-level rise when designing restoration projects. Coastal Estuarine Research Federation 25th Biennial Conference. Mobile, AL. 3-7 November 2019.

Taylor, C., J. Nyman and M. La Peyre. 2019. Effects of freshwater inflow on blue crab *Callinectes sapidus* populations in Louisiana. Coastal Estuarine Research Federation 25th Biennial Conference. Mobile, AL. 3-7 November 2019. 55.

Knight, I., J. Cronin, R. Diaz, J. Nyman, B. Wilson and M. Gill. 2019. Susceptibility of *Phragmites australis* haplotypes to the invasive Roseau Cane Scale, *Nipponaclerda biwakoensis*, in coastal Louisiana. Society of Wetland Scientists Annual Meeting. Baltimore, MD. 28-31 May 2019.

Curriculum Vitae, June 2023

JOHN ANDREW NYMAN

School of Renewable Natural Resources
Louisiana State University
Baton Rouge, LA 70803
phone: (225) 578-4220 e-mail: jnyman@lsu.edu and jnyman@lsuagcenter.lsu

Research Interests

My research spans many aspects of wetland ecology. Some of my interests are basic but most are associated with assumptions underlying wetland management and restoration. I am very interested in the role of vegetation in marsh vertical accretion, which allows coastal wetlands worldwide to gain the elevation needed to offset global sea-level rise and local subsidence. Microbiologically, I study factors controlling gross metabolic activity in soils (gross activity governs nutrient availability to plants among other things) and denitrification (denitrification removes nitrate, which is a nutrient and common pollutant). Botanically, I study the effects of hydrologic conditions and management on submersed and emergent wetland plants. Regarding wildlife, I study relationships among wetland restoration, wildlife, and vegetation. Regarding systems ecology, I study roles of vegetation in nitrogen budgets and roles of hydrological conditions and habitat change on carbon and nutrient cycling. I apply my research, and research from other workers and disciplines, when I help state and federal agencies select, plan, monitor, and manage wetland restoration projects. These activities also illustrate useful skills for students planning to work for engineering and consulting firms, for management and regulatory agencies, or for non-governmental organizations active in resource conservation.

Teaching Goals

I base my evolving teaching strategy on Professional Development Seminars offered by the LSU's Center for Faculty Development, the LSU College of Agriculture's Annual Teaching Conference, my experience as a student, and advice from recent graduates. I'm interested in teaching future environmental professionals as well as voters and activists because I hope to improve environmental decision making. None-the-less, a Teaching Perspectives Inventory (see http://www.teachingperspectives.com/) indicated that "Transmission" was the only dominant perspective and "Social Reform" was the only recessive perspective in my teaching. I believe those results reflect my attempts to emphasize student understanding of critical thinking and ecosystem dynamics while minimizing my values. I teach facts and terminology by lecturing; I teach relationships and complexity by initiating discussions based on readings and field trips. I also want to teach students to be life-long learners, which I believe requires that students see me learn and occasionally see me struggle to learn. This can make a bad impression on sophomoric minds but I believe it is effective in the end. I also want to teach students to be life-long teachers, which I believe requires that students see me question and modify the instructional tactics that I use with students, professionals, and the general public.

Teaching Perspectives Profile (March, 2005):
Transmission: 38, Apprenticeship: 35, Development: 31, Nurturing: 28, Social Reform: 25.
Teaching Perspective Profile (April 2011)
Transmission: 39, Apprenticeship: 36, Development: 33, Nurturing: 24, Social Reform: 19.

TABLE OF CONTENTS

HISTORY OF ASSIGNMENTS AND EDUCATION

1. History of Assignments

Professor (2012-present). School of Renewable Natural Resources, LSU Agricultural Center and Louisiana State University, Baton Rouge, LA 70803. Research (60%) in wetland wildlife ecology and teaching (40%) in graduate and undergraduate programs in wildlife science and wetland ecology and management.

Associate Professor (2006 - 2012). School of Renewable Natural Resources, LSU Agricultural Center and Louisiana State University, Baton Rouge, LA 70803. Research (60%) in wetland wildlife ecology and teaching (40%) in graduate and undergraduate programs in wildlife science and wetland ecology and management.

Assistant Professor (2001 –2006). School of Renewable Natural Resources, LSU Agricultural Center and Louisiana State University, Baton Rouge, LA 70803. Research (60%) in wetland wildlife ecology and teaching (40%) in graduate and undergraduate programs in wildlife science and wetland ecology and management.

Research Associate (1994-2000), Department of Biology, University of Southwestern Louisiana, P.O. Box 42451, Lafayette, LA 70504-2451. Independently developed a 100%, externally funded program to support salary, conduct research, and train graduate students in the ecology and management of wetlands. Contribute to education of graduate and undergraduate students.

Research Associate II, III (1988- 1994), Wetland Biogeochemistry Institute, Louisiana State University, Baton Rouge LA 70803-7511. Plan, design, and conduct ecological research in wetlands; communicate research results.

Research Assistant (1987-1988), School of Forestry, Wildlife, and Fisheries, Louisiana State University, Baton Rouge LA 70803. (20 hr/week). Study the effects of waterfowl management on aquatic vegetation, emergent vegetation, and marsh loss. Also assist with alligator tagging, aerial counting of alligator nests, waterfowl use surveys, nutria food habit studies, etc.

Wildlife Specialist II (1985-1987), Louisiana Department of Wildlife and Fisheries, 2415 Darnell Road, New Iberia 70560, LA. Work 8-day shifts at the remote Pass A Loutre Wildlife Management Area, which lies at the very end of the Mississippi River. Enforce hunting and boating regulations. Monitor sulfur mining and oil/gas mining for compliance with pollution regulations. Collect environmental data. Assist biologists from various agencies collect environmental data. Maintain numerous small boats, a crew boat, and an airboat.

2. Education

Ph.D. with a major in Oceanography and Coastal Studies, minor in Wildlife, 1993. Louisiana State University. Baton Rouge, Louisiana. Major Professor: W.H. Patrick, Jr. Dissertation: Soil processes related to wetland loss in coastal Louisiana.

M.S. with a major in Wildlife, 1989, Louisiana State University. Baton Rouge, Louisiana. Major Professor: R.H. Chabreck. Thesis: Some effects of weir-management on vegetation and marsh loss, Marsh Island, Louisiana.

B.S. with a major in Biological Sciences, 1984, University of New Orleans, New Orleans, Louisiana

6 hours, Center for Faculty Development, Louisiana State University, 1993-1994.

RESEARCH ACTIVITIES

1. Listing of Research Publications

Edited works

Ford, M., and J.A. Nyman. 2011. Interactions among rivers, floodplains, and coastal areas examined at the Atchafalaya River. Special Section of Hydrobiologia 658:1-66.

Rozas, L.P., J.A. Nyman, C.E. Proffitt, N.N. Rabalais, D.J. Reed, and R.E. Turner (editors). 1999. Recent research in coastal Louisiana: Natural system function and response to human influences. Louisiana Sea Grant College Program, Baton Rouge, Louisiana. 304pp.

Peer-reviewed journal articles, proceedings articles, and book chapters (87)

Peer-reviewed journal articles

65. Kross, C.S., R.V. Rohli, J.A. Moon, A.M.V. Fournier, M.S. Woodrey and J.A. Nyman. 2023. Preferred atmospheric circulations associated with favorable prescribed burns in the Gulf of Mexico coast, U.S.A. Fire Ecology 19:7.
64. DeMarco, K.E, E.R. Hillmann**,** J.A. Nyman**,** B. Couvillion, M.K. La Peyre. 2022. Defining aquatic habitat zones across Northern Gulf of Mexico estuarine gradients through Submerged Aquatic Vegetation species assemblage and biomass data. Estuaries and Coasts 45:148-167.
63. Taylor, C.B., J.A. Nyman, and M.K. La Peyre. 2022. Nekton community dynamics within active and inactive deltas in a major river estuary: potential implications for altered hydrology regimes. Aquatic Biology 31:1-18.
62. Tucker, C., J. Trepanier, P. Blanchard, E. Bush, J. Jordan, M. Shafer, and J. Nyman. 2021. Using Tree-Ring Research to Introduce Students to Geoscience Fieldwork. Bulletin of the American Meteorological Society, pp. 1-20.
61. Cao, W., R.V. Rohli, F. Han, A.J. Vega, N. Bushra, and J.A. Nyman. 2021. Atmospheric circulation regimes for prescribed burns along the U.S. Gulf of Mexico Coast. Applied Geography 136(2021):102587. https://authors.elsevier.com/c/1dvUKWf-BEZio
60. Hu, K.L., E. Meselhe, and J.A. Nyman. 2021. The effect of Phragmites australis dieback on channel sedimentation in the Mississippi River Delta: a conceptual modeling study. Water 13:10.
59. Patton, B.A., J.A. Nyman and M.K. Lapeyre. 2020. Living on the edge: multi-scale analyses of bird habitat use in coastal marshes of Barataria Basin, Louisiana, USA. Wetlands. 40:2041-2054.
58. Knight, I.A., J.T. Cronin, M. Gill, J.A. Nyman, B.E. Wilson, and R. Diaz. 2020. Investigating plant phenotype, salinity, and infestation by the Roseau Cane Scale as factors in the die-back of *Phragmites australis* in the Mississippi River Delta, USA. Wetlands. 40:1327-1337.
57. Hillman, E.R., V.H. Rivera-Monroy, J.A. Nyman and M.K. La Peyre. 2020. Estuarine submerged aquatic vegetation habitat provides organic carbon storage across a shifting landscape. Science of the Total Environment. 717(2020)137217.
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2. Listing of other publications accepted for publication but not yet published

none

3. Other creative and artistic contributions

not applicable

4. Participation in other Professional Meetings, Symposia, Workshops, and Conferences

Professional meetings organized

23.. Restoring Wetlands for Wildlife from Coasts to Mountains. I organized this invited symposium within the Society of Wetland Scientists Meeting. 25-30 June, 2023. Spokane, Washington.

22. Wetland Wildlife in Natural, Managed, Reclaimed and Restored Wetlands. I organized this invited symposium within the Society of Wetland Scientists Meeting. 1-10 June, 2021. Virtual.
21. Maximizing wetland functions from restoration dollars when constructing wetlands from dredged material. August 2018. I organized this symposium within the 2018 National Conference on Ecosystem Restoration. I invited all eight presenters.
20. Workshop for Coastal Wetland Wildlife Managers. 21-25 May 2018. I organized this workshop after securing travel funds for wetland wildlife managers, who generally lack travel fund to attend research-oriented meetings. Almost half of the attendees were from Louisiana but Florida, South Carolina, and Texas were well-represented while Pennsylvania, New Hampshire, and Maine also were represented.
19. Wetland Assimilation Workshop. 25-26 Oct., 2016. I helped organize this workshop, which was sponsored by the Lake Pontchartrain Basin Foundation. Hammond, LA.
18. Conservation and Management of Tidal and Non-tidal Wetlands for Fish and Wildlife in the Face of Changing Environmental Conditions. 16-19 Oct., 2016. I helped organize this symposium, which was held within the annual meeting of the Southeastern Association of Fish and Wildlife Agencies. Baton Rouge, LA.
17. Annual meeting of the Louisiana Association of Professional Biologists/Louisiana Chapter of The Wildlife Society. I organized this meeting in 2016, which was held in Baton Rouge, LA and attended by over 80 people.
16. 2016 international meeting of the Society of Wetland Scientists. I was on the Organizing Committee and co-chair of the Technical Program Committee. I also initiated a new award, the SWS Journalism Fellowship Award.
15. Annual meeting of the Louisiana Association of Professional Biologists/Louisiana Chapter of The Wildlife Society. I organized this meeting in 2015, which was held in Baton Rouge, LA and attended by over 100 people.
14. Annual meeting of the Louisiana Association of Professional Biologists/Louisiana Chapter of The Wildlife Society. I organized this meeting in 2014, which was held in Baton Rouge, LA and attended by over 100 people.
13. Annual meeting of the Louisiana Association of Professional Biologists/Louisiana Chapter of The Wildlife Society. I organized this meeting in 2013, which was held in Baton Rouge, LA and attended by over 100 people.
12. Effects of changes in sea-level and freshwater inflow on wildlife use of coastal wetlands. 1-7 June, 2013, Duluth Minnesota. I organized this symposium, which was held during the annual International Meeting of the Society of Wetland Scientists.
11. State of the Coast. 8-10 June, 2010, Baton Rouge, Louisiana. I was on the steering committee and the program committee.
10. First Symposium of the Wildlife Section of the Society of Wetland Scientists: Connections Among Wetlands, Wildlife, and Agriculture. 24 June, 2009, Madison, Wisconsin. I initiated this Section within the Society of Wetland Scientists and was a co-organizer of its first Symposia.
9. Chenier Plain Symposium. 8-9 January, 2009, Lake Charles, Louisiana. This meeting was designed to mimic the success of a similar meeting the previous year but to focus on the Chenier Plain of Louisiana and southeast Texas. I helped plan the technical program.
8. Ecosystem Functions and the Dynamic Atchafalaya River from the Old River Control Structure to the Continental Shelf. 10-11 January, 2008, Baton Rouge, Louisiana. I initiated

this meeting, solicited a co-sponsor (Coalition to Restore Coastal Louisiana) and worked with a small committee to schedule and advertise the meeting. I arranged the technical program and organized a special section of Hydrobiologia based on the meeting..

7. Annual Fall Meeting of the South Central Chapter of the Society of Wetland Scientists, October, 2006, Vicksburg, Mississippi. As President, I worked with the local host to arrange to schedule and advertise the meeting. I also arranged the technical program.
6. Restoring Greenspace. 17-18 May, 2005. New Orleans, Louisiana Wildlife Habitat Council. I was invited to organize and lead a breakout session on restoring wetlands in coastal areas.
5. Coastal Restoration Enhancement through Science and Technology (CREST), July 2003. Thibodaux, Louisiana. Duties: As member of the CREST Technical Board, I helped plan the technical agenda and select speakers.
4. Annual Meeting of the Society of Wetland Scientists, June 2003, New Orleans, Louisiana. As a member of the Executive Board of the host chapter, I assisted with funding, the social, and led an aerial field trip.
3. Annual Fall Meeting of the South Central Chapter of the Society of Wetland Scientists, October, 2002, Baton Rouge, Louisiana. As meeting host, I arranged meeting space, conference hotel, advertisement, technical program, social event, registration, call for abstracts, selection of speakers, etc.
2. 2000 Spring Meeting of the American Geophysical Union. I co-organized a session within Biogeosciences titled "Interactions between coastal ecosystems and sea-level changes."
1. Recent Research in Coastal Louisiana, 1998. As a member of the Organizing Committee, I helped arrange meeting space, conference hotel, advertisement, agenda, selection of abstracts, review of papers, and edit of accepted papers. I co-edited the resulting Sea Grant publication (Rozas, et al. 1999, Recent research in coastal Louisiana: Natural systems function and response to human influences, Louisiana Sea Grant College Program, Baton Rouge, Louisiana).

Talks presented: 131 (presenter's name is underlined):

International

15. (invited) Nyman, J.A. 2017. Some effects of feral hogs, exotic nutria, recreational hunters, and management on vegetation in a low-salinity, tidal wetland. Annual Meeting of the Society of Wetland Scientists. San Juan, Puerto Rico, 5 -8 June 2017.
14. Nyman, J.A. and C.W. Lindau. 2014. Effects of nutrient availability and flooding stress on growth and mercury accumulation in a wetland tree. US-China International Workshop on Key Processes and Regulation of Wetland Ecosystems. Baton Rouge, LA. 10-12 November 2014.
13. (invited) Nyman, J.A. 2013. Predicted Changes in Habitat Quality for Fish and Wildlife in Louisiana Coastal Wetlands during the Next 50 Years. International Forum on Wetland Ecosystems and Services. Chinese Academy of Sciences. Changchun, China. 28 July – 3 August, 2013.
12. (invited) Nyman, J.A. and O'Connell. 2011. Managing edge to improve habitat quality for waterbirds in fresh and non-fresh wetlands. Joint Meeting of the Society of Wetland Scientists, WETPOL, and Wetland Biogeochemistry Institute. Prague, Czech Republic. 3-9 July, 2011.

11. (invited) Nyman, J.A. 2011. Balancing scientific advocacy and objectivity does not preclude expressing opinions but does require advocating objectivity. Joint Meeting of the Society of Wetland Scientists, Intecol, and Wetland Biogeochemistry Institute. Prague, Czech Republic. 3-9July, 2011.
10. Scaroni, A.E., J.A. Nyman, R.F. Keim, C.W. Lindau, R.D. DeLaune. 2008. Potential for Nutrient Removal by a Large River Floodplain; Atchafalaya River Basin, Louisiana, USA. 8th INTECOL (International Congress on Ecology): International Wetlands Conference, Cuiaba, Mato Grosso, Brazil, July 20-25, 2008
9. Nyman, J.A. and S.K. King. 2006. Potential whooping crane habitat at Marsh Island wildlife refuge, Louisiana. 10th North American Crane Workshop, Zacatecas, Zacatecus, Mexico, 7-10 February, 2006.
8. Nyman, J.A., R.J. Walters, R.D. DeLaune, and W.H. Patrick, Jr. 2004. Marsh vertical accretion via vegetative growth. AGU Chapman Conference on salt marsh geomorphology: physical and ecological effects on landform. Halifax, Nova Scotia, Canada. 9-13 October, 2004.
7. Nyman, J.A., and D. Huval. 2003. Nutrient availability and salinity stress interact to affect growth of the emergent plant Spartina patens Ait muhl. Eighth International Symposium on Biogeochemistry of Wetlands. Gent, Belgium. 14-17 September, 2003.
6. Nyman, J.A, and P.L. Klerks. 2001. Some Effects of Petroleum Hydrocarbons on Wetlands and Suggested Response Actions. 24th Arctic and Marine Oilspill (AMOP) Technical Seminar. Edmonton, Alberta, Canada. 12-14 June, 2001.
5. Nyman, J.A. 2000. Permanent nutrient burial rates in an estuarine wetland. Quebec 2000: Millennium Wetland Event. Quebec, Canada, 6-12 August, 2000.
4. Foret, J.D., J.A. Nyman, and R.R. Twilley. 2000. Nutrient limitations of Spartina patens tidal marshes on the Chenier Plain, Louisiana. Quebec 2000: Millennium Wetland Event. Quebec, Canada, 6-12 August, 2000.
3. Hunter, J., and J. Nyman. 2000. SAV dynamics in a brackish marsh: season, herbivory, management. Quebec 2000: Millennium Wetland Event. Quebec, Canada, 6-12 August, 2000.
2. Foret, J.D., R.R. Twilley, J.A. Nyman, and J.R. Meriwether. 1997. Soil formation, nutrient storage, and marsh vertical accretion in a hydrologically manipulated tidal salt marsh of the Chenier Plain, Louisiana. Fifth Symposium on Biogeochemistry of Wetlands. Virginia Water, Surrey, U.K. 16-19 September, 1997.
1. (invited) Nyman, J.A., and R.D. DeLaune. 1997. Potential impacts of global sea-level rise on coastal marsh stability. Fifth Symposium on Biogeochemistry of Wetlands. Virginia Water, Surrey, U.K. 16-19 September, 1997.

United States of America

60. (invited) Nyman, J.A. 2022. An Overview of the History and Breadth of Wetland Management Practices. Department of Forestry and Environmental Conservation, Clemson University.
59. Nyman, J.A. 2021. Conservation easements for "a significant relatively natural habitat in which a fish, wildlife or plant community or similar ecosystem normally lives" in the U.S. Tax Code. Annual Meeting of the Society of Wetland Scientists. Virtual. 1-4 June, 2021.

58. Nyman, J.A. 2021. Conceptual Models to Help Explain and Predict the Response of Wetland Plant Roots to Nutrients. 13th International Symposium on Biogeochemistry of Wetlands. Virtual. 22-25 March, 2021
57. Nyman, J.A. 2019. Spending more to delay wetland benefits: incorrectly accounting for sea-level rise when designing restoration projects. Coastal Estuarine Research Federation 25th Biennial Conference. Mobile, AL. 3-7 November 2019.
56. Taylor, C., J. Nyman and M. La Peyre. 2019. Effects of freshwater inflow on blue crab Callinectes sapidus populations in Louisiana. Coastal Estuarine Research Federation 25th Biennial Conference. Mobile, AL. 3-7 November 2019.
55. Knight, I., J. Cronin, R. Diaz, J. Nyman, B. Wilson and M. Gill. 2019. Susceptibility of Phragmites australis haplotypes to the invasive Roseau Cane Scale, Nipponaclerda biwakoensis, in coastal Louisiana. Society of Wetland Scientists Annual Meeting. Baltimore, MD. 28-31 May 2019.
54. Nyman, J.A. 2019. Constructing wetlands at elevation predicted to be intertidal in 20 years delays rather than extends wetland benefits. Society of Wetland Scientists Annual Meeting. Baltimore, MD. 28-31 May 2019.
53. Nyman, J.A., J. O'Connell, L. Sullivan and B. Patton. 2019. Accounting for edge effects; i.e., interspersion, on waterbirds and fish when creating and restoration emergent wetlands across estuaine gradients. Society of Wetland Scientists Annual Meeting. Baltimore, MD. 28-31 May 2019.
52. Nyman, J.A. and S. Harlamert. 2018. Created marshes could support more fish and crustaceans if they were designed with lower elevation and more edges. National Conference on Ecosystem Restoration. New Orleans, LA. 26-30 August, 2018.
51. Nyman, J.A. and S. Harlamert. 2018. Created marshes support fewer fish and crustaceans than natural marshes. State of the Coast Conference. New Orleans, LA. 30 May – 1 June 2018.
50. Nyman, J.A. 2018. How nutrients interact with stresses, such as flooding and salinity, to affect plant growth and leaf tissue chemistry. 12th International Wetland Biogeochemistry Symposium. Coral Springs, FL. 23-26 April 2018.
49. (invited) Nyman, J.A. 2018. Managing Stressors, Nutrients and Edges to Improve Coastal Wetland Restoration. Harbor Branch, Florida Atlantic University. Boca Raton, FL. 18 January 2018.
48. (invited) Nyman, J.A. 2017. Studying Interactions among stressors, resources, and edges to improve coastal wetland restoration. Department of Biology, Alabama State University. Tuskaloosa, AL. 27 January 2017.
47. (invited) Nyman, J.A. 2016. Fish, vegetation and wildlife as measures of performance. Webinar on Gulf Coast Restoration Post Katrina. https://www.aswm.org/aswm/9230-2016-past-webinars-improving-wetland-restoration-success-project#webinar062716 . 27 June 2016.
46. Nyman, J.A. and C.W. Lindau. 2016. Some effects of nutrient availability and flooding stress on growth and mercury concentration in in a wetland tree. Annual Meeting of the Society of Wetland Scientists. Corpus Christi, TX. 31 May – 5 June 2016.
45. (invited) Nyman, J.A. 2015. Integrating ecology and geology to predict effects of restoration and storms on deltaic wetlands. 23rd Biennial Conference of the Coastal Estuarine and Research Federation. Portland, OR. 8-12 Nov. 2015.

44. Nyman, J.A., D.M. Baltz, M.D. Kaller, P.L. Leberg, C. Parsons Richards, R.P. Romaire, and T.M. Soniat. 2015. Fifty years of change in habitat quality for fish and wildlife in coastal Louisiana. Annual Meeting of the Society of Wetland Scientists. Providence, RI. 31 May – 4 June 2015.
43. Green, C.C., B.D. LeBlanc, J.A. Nyman, Heidi Olivier, B. Wagoner. 2015. Surfactants in wetlands: how oil spills and consumer products affect wetland flora and fauna. Annual Meeting of the Society of Wetland Scientists. Providence, RI. 31 May – 4 June 2015.
42. Nyman, J.A., D.M. Baltz, M.D. Kaller, P.L. Leberg, C. Parsons Richards, R.P. Romaire, and T.M. Soniat. 2014. Models to Predict the Effects of Coastal Restoration in Louisiana on Fish and Wildlife. Conference on Ecological and Ecosystem Restoration. New Orleans, LA. 28 July – 1 August, 2014.
41. Shaffer, G.P., J.T. Morris , Eva Hillmann , and J.A. Nyman. 2014. The influence of nutrients on the sustainability of coastal wetlands. Conference on Ecological and Ecosystem Restoration. New Orleans, LA. 28 July – 1 August, 2014.
40. (invited) Nyman, J.A. 2014. Building terraces to create coastal wetland edge habitat. Joint Aquatic Sciences Meeting, Society of Wetland Scientists Meeting. Portland, OR. 18–23 May 2014.
39. (invited) Nyman, J.A, , D.M. Baltz , M.D. Kaller , P.L. Leberg , C. Parsons Richards , R.P. Romaire and T.M. Soniat. 2013. Models to Predict the Effects of Coastal Restoration in Louisiana on Fish and Wildlife. Conference on Ecological and Ecosystem Restoration. New Orleans, LA. 28 July – 1 August, 2014.
38. (invited) Nyman, J.A. 2013. Building terraces to create coastal wetland edge habitat. Annual Meeting of the Society of Wetland Scientists. Portland, OR. 18-23 May, 2014.
37. (invited) Nyman, J.A. 2013. Classifying the consequences of sea-level rise and marine intrusion on coastal wetlands. Annual Meeting of the Society of Wetland Scientists. Duluth, MN. 2-6 June, 2013.
36. Scaroni, A.E., J.A. Nyman, R.D. DeLaune, and C.W. Lindau. 2013. Habitat change in the Atchafalaya River Basin alters nutrient inputs to the Gulf of Mexico. Association for the Sciences of Limnology and Oceanography 2013 Aquatic Sciences Meeting. New Orleans, Louisiana. 17-22 February 2013.
35. Nyman, J.A. B.P. Lamsal, M.E. Marti, W.J. Colonna, P. Patra, C. Green, A.J. Kuhl, K. Jarrell, P. Somasundaran, C.E. Glatz. 2013. Microbial biosurfactants for potential use in oil-spill remediation. 2013 Gulf of Mexico Oil Spill and Ecosystem Science Conference. New Orleans, LA. 21-23 January 2013.
34. (invited) Nyman, J.A. 2012. Restoring wetland wildlife value. 22nd Annual Clean Gulf Conference. New Orleans, Louisiana. 13-15 November 2012.
33. Nyman, J.A. 2012. Predicting the effects of hurricane protection and wetland restoration projects on fish and wildlife. 9th Intecol International Wetlands Conference and 33rd international meeting of the Society of Wetland Scientists. Orlando, Florida. 3-8 June 2012.
32. Nyman, J.A. 2011. Sea level change, vertical accretion, and soil strength in Louisiana coastal marshes. 21st Biennial Conference of the Coastal and Estuarine Research Federation. Daytona Beach, Florida. 6-10 November 2011.
31. Zhang, H., and J.A. Nyman. 2011. Acute toxicity of Surfactin, FA-Glu and COREXIT to larvae of Gulf killifish, Fundulus grandis. 21st Biennial Conference of the Coastal and Estuarine Research Federation. Daytona Beach, Florida. 6-10 November 2011.

30. Nyman, J.A. 2011. Lessons learned, from 30 years of research by numerous investigators, regarding marsh vertical accretion. 45th Annual Meeting for the South-Central Section of the Geological Society of America. New Orleans, Louisiana. 28-29 March 2011.
29. (invited) Nyman, J.A. 2010. Response of Louisiana coastal wetlands to relative sea-level rise. Sea Level Rise Technical Workshop Habitat Conservation and Restoration Team (HCRT), Gulf of Mexico Alliance, St. Petersburg, Florida, November 3-4, 2010.
28. (invited) Nyman, J.A. 2010. Effects of crude oil on emergent wetland plants and of dispersed oil on wetland soil microbial activity, nekton and benthos. Long-Term Monitoring of Coastal Ecosystem Responses to the Deepwater Horizon Oil Spill. Tallahassee, FL. 10-12 September, 2010.
27. Tobias, V.D., J.A. Nyman, R.D. DeLaune, and J.D. Foret. 2009. Developing indicators of flooding stress in Spartina patens to improve marsh restoration and management. Coastal and Estuarine Research Federation 20th Annual Meeting. Portland, Oregon. 1-5 November, 2009.
26. Tobias V.D., Nyman J.A., DeLaune R.D.,and Foret J.D. 2009. Higher ground: reduced flooding improves Spartina patens production in Louisiana's coastal marshes. Society of Wetland Scientists International Conference. Madison, Wisconsin, 21-26 June, 2009.
25. Nyman J.A., and M.K. La Peyre. 2009. Defining restoration targets for water depth and salinity in wind-dominated Spartina patens (Ait.) muhl. coastal marshes. Society of Wetland Scientists International Conference. Madison, Wisconsin. 21-26 June, 2009.
24. Kolker, A.S., M.A. Allison, K.A. Butcher, R.W. Fulweiler, S. Green, J Nittrouer, J.A. Nyman, and B. Rosenheim. 2008. The Mississippi River Flood of 2008: Sediment Dynamics and Implications for Coastal Restoration. 2008 Joint Meeting of The Geological Society of America, Soil Science Society of America, American Society of Agronomy, Crop Science Society of America, Gulf Coast Association of Geological Societies with the Gulf Coast Section of SEPM. Houston, TX, 5-9 October, 2008.
23. O'Connell, J. and J. Nyman. Waterbird use of terraced vs. unterraced ponds in coastal Louisiana. Ecological Society of America 2006 Annual Meeting, Memphis, Tennessee. 6-11 August, 2006.
22. (invited) Nyman, J.A. 2008. Four scenarios of the spatial extent of coastal marsh to global sea-level rise. Society of Wetland Scientists International Conference. Washington, D.C., 26-30 May, 2008.
21. Nyman, J.A., J.H. Merino, and D.L. Huval. 2008. Limiting factors of Spartina patens I: Implication of nutrient and salinity interaction to coastal restoration. Society of Wetland Scientists International Conference. Washington, D.C., 26-30 May, 2008.
20. Tobias, V.D., J.A. Nyman, R.D. DeLaune, and J.D. Foret. 2008. Limiting factors of Spartina patens II: Stochiochemistry of Spartina patens leaf tissue as a restoration planning and management tool. Society of Wetland Scientists International Conference. Washington, D.C., 26-30 May, 2008.
19. Williamson, M.F., V.D. Tobias, and J.A. Nyman. 2008. Chemical concentration in Spartina alterniflora from sites in coastal Louisiana wetlands that differ in freshwater and nutrient inputs. Society of Wetland Scientists International Conference. Washington, D.C., 26-30 May, 2008.
18. King, S.K., and J.A. Nyman. 2007. Integrating wildlife ecology into wetlands ecology courses. 2007 Society of Wetland Scientists International Conference. Sacramento, California. 10-15 June, 2007.

17. O'Connell, J.L., and J.A. Nyman. 2007. Coastal marsh restoration using terraces: effects on waterbirds in Louisiana's Chenier Plain. 2007 Society of Wetland Scientists International Conference. Sacramento, California. 10-15 June, 2007.
16. Nyman, J.A. and R.R. Twilley. 2007. Effects of riverine influences on soil organic matter decomposition in Louisiana coastal marshes dominated by Spartina patens (Ait.) Muhl. 10th International Symposium on Wetland Biogeochemistry. Annapolis, Maryland, 1-4 April, 2007.
15. (invited) Nyman, J.A. 2007. Challenges to Conserving Texas Coastal Marshes: global sea-level rise and increasing marine influence. Texas Chapter of the American Fisheries Society Annual Meeting. Lake Jackson, Texas, 2-4 March, 2007.
14. Nyman, J.A., R.D. DeLaune, C.W. Lindau, and R. Keim. 2006. Effects of restoration and habitat change on carbon and nutrient retention in the Atchafalaya River Basin. South Central Chapter of the Society of Wetland Scientists Annual Fall Meeting, Vicksburg, Mississippi, 5-7 October, 2006.
13. (invited) Kanouse, S., J.A. Nyman and M. La Peyre. 2003. Nekton growth in two brackish marsh habitats in Louisiana. Estuarine Research Federation International Meeting. September 15-19, 2003, Seattle, WA.
12. Bush, C.S., M.K.G. La Peyre, and J.A. Nyman. 2002. Can fish habitat be restored using terraces and coconut mats in Louisiana marshes? Society of Wetland Scientists 23rd Annual Conference. Lake Placid, New York. 2-7 June, 2002.
11. Huval, D.L., and J.A. Nyman. 2002. Effects of nutrient additions on salinity stress in Spartina patens. Society of Wetland Scientists 23rd Annual Conference. Lake Placid, New York. 2-7 June, 2002.
10. Melancon, G., J.A. Nyman, T.C. Michot, and J.D. Foret. 2002. Extensive dieback of non-saline coastal marshes in Louisiana, 1999-2001. Society of Wetland Scientists 23rd Annual Conference. Lake Placid, New York. 2-7 June, 2002.
9. Nyman, J.A., and P.L. Klerks. 2001. Some effects of petroleum hydrocarbons on wetland plants, microbes, and animals. Estuarine Research Federation 16th Biennial Conference. 4-8 November, 2001. St. Petersburg, Florida.
8. Nyman, J.A. 2000. Nutrient storage in an estuarine marsh. Sustainability of wetlands and water resources, How well can riverine wetlands continue to support society into the 21st century? Oxford, MS. 23-25 May, 2000.
7. Nyman, J.A. Does coastal wetland loss affect nutrient availability in coastal waters? American Geophysical Union 2000 Spring Meeting. Washington, D.C. 30 May - 3 June, 2000.
6. Nyman, J.A., and T.E. McGinnis. 1999. Optimizing crude oil disappearance and disturbance to soil microbial activity. Wetlands and Remediation, an International Conference. Salt Lake City, Utah. 16-17 November, 1999.
5. Nyman, A., and T.E. McGinnis, II. 1999. Effects of crude oils on metabolic activity of soil biota in saline soils. Sixth Symposium on Biogeochemistry of Wetlands. Fort Lauderdale, Florida, 14-11 July, 1999.
4. Foret, J.D., R.R. Twilley, and J.R. Meriwether, and J.A. Nyman. 1998. Response of vertical accretion and nutrient accumulation rates to hydrologic manipulations in the marshes of the Chenier plain. 19th Annual Meeting of the Society of Wetland Scientists. Anchorage, Alaska.

3. McGinnis, T. E., II, and J. A. Nyman. 1997. Factors associated with soil strength and effectiveness of management efforts to slow wetland loss in a Louisiana brackish marsh. 18th Annual Meeting of the Society of Wetland Scientists. Bozeman, Montana.
2. Nyman, J.A., and R.H. Chabreck. 1995. Fire in coastal marshes: history and recent concerns. 19th Tall Timbers Fire Ecology Conference- Fire in wetlands: a management perspective. Tallahassee, Florida.
1. (invited) Nyman, J.A., and R.D. DeLaune. 1993. Case study of a rapidly submerging coastal environment: relationships among vertical accretion, carbon Cycling, and marsh loss in Terrebonne Basin, Louisiana. The Hilton Head Island South Carolina, U.S.A. International Coastal Symposium.. June 1993.

Louisiana and Regional

62. Nyman, J.A., M. Hiatt, K. Konsoer, C. Wilson, K. Hu, E. Meselhe, and M. Allison. 2023. Lower Mississippi River Delta Research: Influence of Roseau Cane Dieback on Mississippi River Delta Navigation. Fifth Annual Roseau Cane Research Summit. Baton Rouge, Louisiana. 12--13 January 2023
61. Nyman, J.A., A. Beaudette, M. Gill, B. Couvillion, K. Hu, and E. Meselhe. 2022. Phragmites australis Dieback May Be Desirable on Most of the Northern Gulf Coast but Not at the Mouth of the Mississippi River. Gulf of Mexico Conference, Baton Rouge, Louisiana. 25-28 April, 2022.
60. Beaudette, A., M. Gill, and J.A. Nyman. 2022. Phragmites australis Dieback May Be Desirable on Most of the Northern Gulf Coast but Not at the Mouth of the Mississippi River. Fourth Annual Roseau Cane Research Summit. Baton Rouge, Louisiana. 12-13 January 2023
59. Diaz, R. I. Knight, M, Berry, J. Cronin, A. Nyman, B. Wilson. 2021. Population dynamics of roseau cane, scales and plant communities at the Mississippi River Delta. Third Annual Roseau Cane Research Summit. Baton Rouge, Louisiana. 15 January 2021.
58. Beaudette, A., A. Nyman and B. Couvillion. 2021. Estimating the onset and extent of dieback of Roseau Cane using the normalized difference vegetation index and remotely sensed land cover classifications. Third Annual Roseau Cane Research Summit. Baton Rouge, Louisiana. 15 January 2021.
57. Gill, M. and A. Nyman. 2021. Predicting plant succession in coastal marshes dominated by Roseau Cane. Third Annual Roseau Cane Research Summit. Baton Rouge, Louisiana.
56. Nyman, J.A. 2020. An Overview of the History and Breadth of Wetland Management (with a focus on coastal Louisiana). LUMCON Science Talks. Virtual, recorded: https://youtu.be/r4EqkYHmCkI. 12 November 2020.
55. Nyman, J.A. 2020. Constructing wetlands at elevations predicted to be intertidal in 20 years delays, rather than extends, wetland benefits. School of Renewable Natural Resources/Forestry Wildlife and Fisheries Alumni Association. Virtual. 10 September 2020.
54. Meselhe, E.A., K. Hu and J.A. Nyman. 2019. Distribution of water and sediment in the Mississippi River Bird-Foot Delta: topologic and dynamic complexity. Second Annual Roseau Cane Summit. Baton Rouge, LA. 16 December, 2019.
53. Nyman, J.A. 2019. Some attempts to determine when Roseau Cane dieback began, how extensive dieback is, what happens to the marsh after dieback happens, and how might dieback affect navigation dredging. Second Annual Roseau Cane Summit. Baton Rouge, LA. 16 December, 2019.

52. Taylor, C., J.A. Nyman, M.J. Faldyn and M. LePeyre. 2019. Effects of freshwater inflow on blue crab (Callinectes sapidus) populations in Louisiana. Louisiana Association of Professional Biologists/Louisiana Chapter of The Wildlife Society. Lafayette, LA. 8-9 August 2019.
51. (invited) Nyman, J.A. 2018. An overview of the recently recognized dieback of Phragmites australis in coastal Louisiana. State of the Coast 2018. New Orleans, Louisiana.
50. (invited) Nyman, J.A. 2017. Studying Interactions among Stressors, Resources, and Edges to Improve Coastal Wetland Restoration. Louisiana Universities Marine Consortium (LUMCON). Cocodrie, Louisiana. 4 July 2017.
49. (invited). Nyman, J.A. 2017. Update on Roseau Cane Die-Back in Coastal Louisiana: more questions than answers in May 2017. Plaquemines Association of Business and Industry. Woodlands Plantation, West Point a La Hache, LA. 14 June 2017.
48. (invited) Nyman, J.A. 2017. Marsh Creation Targeted Heights – Lessons Learned. Louisiana Association of Conservation Districts. Alexandria, LA. 11-12 January 2017.
47. (invited) Nyman, J.A. 2014. River diversions, disturbance, and the delta lobe cycle. Governor's Advisory Commission on Coastal Protection, Restoration, and Conservation. Baton Rouge, LA. 5 February, 2014.
46. (invited) Nyman, J.A. 2013. River diversions, disturbance, and the delta lobe cycle. Coastal Protection and Restoration Authority. New Orleans, LA. 14 November, 2013.
45. Nyman, J.A. 2013. River diversions, disturbance, and the delta lobe cycle. Louisiana Association of Professional Biologists. Baton Rouge, LA. 15-16 August, 2013.
44. Green, C., and J.A. Nyman. 2013. A brief review of the effects of oil and dispersed oil on coastal wetlands. Louisiana Natural Resources Symposium, Baton Rouge, LA. 1-2 August, 2013.
43. (invited) Nyman, J.A. 2011. Lessons Learned, from 30 Years of Research by Numerous Investigators, Regarding Marsh Vertical Accretion. 2011 Meeting of the South-Central Section of the Geological Society of America. New Orleans, Louisiana, 28-29 March, 2011.
42. (invited) Nyman, J.A. 2011. Effects of salinity and nutrients on plant growth and soils in Louisiana coastal marshes. Workshop on Response of Louisiana Marsh Soils and Vegetation to Diversions. NOAA and Louisiana Coastal Area Science & Technology Office. Lafayette, Louisiana, 23-24 February 2011.
41. (invited) Nyman, J.A. 2010. Research priorities for the northern Gulf Coast. Collaborative Scientific Research Opportunities Relative to the Gulf Oil Spill. Louisiana EPSCor and Louisiana Board of Regents. New Orleans, Louisiana. 1-2 November, 2010.
40. (invited) Ecosystems of Louisiana marshlands. Certified Marshland Prescribed Fire Burn Manager Workshop. LSU AgCenter. Grand Chenier, Louisiana. 11-13 October, 2010.
39. (invited) Caffey, R.H., J.A. Nyman, and F.D. Willis. 2010. The Role of Experts in Maritime Litigation: A Case Study on the Gulf Oil Spill. 17th Annual Admiralty Symposium, Louisiana State Bar Association. New Orleans, LA. 24 September, 2010.
38. Nyman, J.A. 2010. A Review of the Effects of Crude Oil on Marsh Vegetation and Soil Microbial Activity and Peek at Some Effects of the Current Spill. Louisiana Association of Professional Biologists, Lafayette, LA. 19-20 August 2010.
37. Chambers, J., R. Keim, and J.A. Nyman. 2010. Louisiana's coastal wetland forest: ecotourism/recreation magnet and tropical storm protector or disappearing ecosystem? State of the Coast Symposium: Implementing a Sustainable Coast for Louisiana, Baton Rouge, LA. 8-11 June 2010.

36. Nyman, J.A. 2010. Marsh vertical accretion in coastal Louisiana: the state of our understanding after 30 years of research. State of the Coast Symposium: Implementing a Sustainable Coast for Louisiana, Baton Rouge, LA. 8-11 June 2010.
35. Scaroni AE, Nyman JA, Lindau CW, DeLaune RD, Keim RF. 2009. Potential for Nutrient Removal by a Large River Floodplain; Atchafalaya Basin, LA. Connecting Wetland Communities: A Graduate Student Symposium, Baton Rouge, LA. 14 November, 2009.
34. (invited) Nyman, J.A. 2009. Overview of wetland functions. Lorman Seminar, Wetland Regulation in Louisiana, 29 October, 2009, Baton Rouge, Louisiana
33. Tobias, V.D., J.A. Nyman, R.D. DeLaune, J.D. Foret. 2009. Higher ground: reduced flooding improves S*partina patens* production in Louisiana's coastal marshes. Louisiana Association of Professional Biologists Meeting. Lafayette, Louisiana, 13-14 August, 2009.
32. Nyman, J.A., and M.K. La Peyre. 2009. Defining restoration targets for flooding and salinity in Louisiana's intermediate and brackish marshes. Louisiana Association of Professional Biologists Meeting. Lafayette, Louisiana, 13-14 August, 2009.
31. Nyman J.A.,and M.K. La Peyre. 2009. Coastal marsh restoration using terraces. Chenier Plain Symposium, Lake Charles, Louisiana, 8-9 January, 2009.
30. Kolker, A.S., M.A. Allison, K.A. Butcher, J.A. Nyman, and B. Rosenheim. 2008. Sediment dynamics during the Mississippi River Flood of the Spring of 2008: Implications for coastal restoration. Dynamics of the 2008 Lower Mississippi River Flood Conference. New Orleans, Louisiana, 17 October, 2008.
29. Nyman, J.A., and T.E. McGinniss II. 2008. Marsh Loss Mechanisms where River Inflow is High and Subsidence is Slow: how Estuarine Marshes Can Erode even in The Virtual Absence of Wave and Tidal Energy. Ecosystem Functions and the Dynamic Atchafalaya River from the Old River Control Structure to the Continental Shelf. Baton Rouge, LA, 10-11 January 2008.
28. Scaroni, A.E., J.A. Nyman, C.W. Lindau, R.D. DeLaune, and R.F. Keim. 2008. Identifying Controls on Nutrient Removal in the Atchafalaya River Basin, Louisiana. Ecosystem Functions and the Dynamic Atchafalaya River from the Old River Control Structure to the Continental Shelf. ; Baton Rouge, LA, 10-11 January 2008. 60. Scaroni, A.E., J.A. Nyman, and C.W. Lindau. 2007. Nutrient removal by habitat type in the Atchafalaya River Basin. 10th International Symposium on Wetland Biogeochemistry. Annapolis, Maryland, 1-4 April, 2007.
27. (invited) Nyman, J.A., A.E. Scaroni, C.W. Lindau, R.D. DeLaune, and R.F. Keim. 2007. Nutrient Removal by the Atchafalaya River Basin. Louisiana Water Quality Conference—Watershed Issues 2007. Lafayette, Louisiana, 29-31 October, 2007
26. Tobias, V.D., J.A. Nyman, R.D. DeLaune, and J.D. Foret. 2007. Application of leaf tissue chemistry to the identification of factors limiting biomass production in Spartina patens to improve restoration of coastal marshes. Louisiana Association of Professional Biologists. Lafayette, Louisiana. 9-10 August, 2007.
25. (invited) Lindau, C., and A. Nyman. 2006. Water quality restoration in Atchafalaya River Basin cypress wwamp via denitrification. Lower Mississippi River Nutrient Symposium. New Orleans, Louisiana, 1-2 June, 2006.
24. Cannaday, C., and J.A. Nyman. 2006. The effect of terraces on Submersed Aquatic Vegetation in three southwest Louisiana marshes. Earthen Terraces: Status of the Technique. Baton Rouge, Louisiana, 12 April, 2006.

23. Bossman, B.P., M.K. La Peyre, and J.A. Nyman. 2006. Marsh Terracing as a restoration technique for creating nekton habitat. Earthen Terraces: Status of the Technique. Baton Rouge, Louisiana, 12 April, 2006.
22. O'Connell, J., and J.A. Nyman. 2006. Waterbird habitat use of terraced and unterraced ponds in coastal Louisiana. Earthen Terraces: Status of the Technique. Baton Rouge, Louisiana, 12 April, 2006.
21. Bordelon, S., D.G. Scognamillo, J.A. Nyman, and M.J. Chamberlain. 2006. White-tailed deer abundance and herbivory in a coastal bottomland hardwood forest. 29th Annual Meeting of the Southeast Deer Study Group, Baton Rouge, Louisiana, 26-28 February, 2006.
20. Nyman, J.A., and M.K. La Peyre. 2005. A review of the brief history of terraces. 2005 CREST Symposium: Progress in Understanding Coastal Land Loss and Restoration in Louisiana. Lafayette, Louisiana, April, 2005.
19. Klerks, P.L., J.A. Nyman & S. Bhattacharyya. 2005. Chemical additives in oiled freshwater laboratory microcosms: Toxicity to aquatic organisms, relationship between hydrocarbon measurements and toxicity, and the influence of chemical additives on hydrocarbon disappearance. 23rd Information Transfer Meeting of the Minerals Management Service, Kenner, Louisiana, January 11-13, 2005.
18. Bush, C.S., M.K.G. La Peyre, and J.A. Nyman. 2003. Nekton utilization of restored habitat in a southwest Louisiana marsh. Society of Wetland Scientists 24th Annual Meeting. New Orleans, Louisiana. 8-13 June, 2003.
17. Caldwell, A.B., and J.A. Nyman. 2003. Terraces and coconut mats affect seeds and submerged aquatic vegetation at Sabine National Wildlife Refuge. Society of Wetland Scientists 24th Annual Meeting. New Orleans, Louisiana. 8-13 June, 2003.
16. Kanouse, S.C., M.K.G. La Peyre, and J.A. Nyman. 2003. Linking fish and habitats: nekton use of three brackish marsh pond microhabitat types. Society of Wetland Scientists 24th Annual Meeting. New Orleans, Louisiana. 8-13 June, 2003.
15. Winslow, C.J., J.A. Nyman, and B.C. Wilson. 2003. Do wintering waterfowl deplete food availability in fresh coastal marshes of Louisiana and Texas? Society of Wetland Scientists 24th Annual Meeting. New Orleans, Louisiana. 8-13 June, 2003.
14. (invited) Nyman, J.A., A.K. Burcham, J.D. Foret, G. Melancon, T.C. Michot, and T.J. Schmidhauser. 2001. Preliminary studies of brown marsh in a Chenier Plain, Spartina patens Marsh. Coastal Marsh Dieback in the Northern Gulf of Mexico: Extent, Causes, Consequences, and Remedies. Baton Rouge, Louisiana. 11-12 January, 2001.
13. Nyman, J.A. 2000. Nutrient burial in Louisiana coastal wetlands. Environmental State of the State - V Conference. Baton Rouge, Louisiana. 16-17 November, 2000.
12. Nyman, J.A. 2000. Nutrient burial in Louisiana coastal wetlands. Environmental State of the State V. Baton Rouge, Louisiana, 16-17 November, 2000.
11. Hunter, J.J., and J.A. Nyman. 1999. Effects of season, waterfowl herbivory, and management on SAV abundance in a tidal, non-saline marsh. Estuarine Research Federation 15th Biennial International Conference. 25-30 September, 1999. New Orleans, Louisiana.
10. McGinnis II, T.E., and J.A. Nyman. 1999. Effect of crude oils on metabolic activity of soil biota in saline marsh soils. Estuarine Research Federation 15th Biennial International Conference. 25-30 September, 1999. New Orleans, Louisiana.
9. Mouton, E.C., and J.A. Nyman. 1999. Factors, including management, affecting flooding of tidal non-saline marsh in coastal Louisiana. Estuarine Research Federation 15th Biennial International Conference. 25-30 September, 1999. New Orleans, Louisiana.

8. Nyman, J.A. 1999. Determining if mineral or organic accumulation control marsh vertical accretion: a model and new technique. Estuarine Research Federation 15th Biennial International Conference. 25-30 September, 1999. New Orleans, Louisiana.
7. (invited) Nyman, J.A. R.D. DeLaune, and W.H. Patrick Jr. 1995. Marsh vertical accretion via vegetative growth. Geological Society of America Annual Meeting. New Orleans, Louisiana. November 1995.
6. Nyman, J.A., M. Carloss, R.D. DeLaune, and W.H. Patrick, Jr. 1993. Are landscape patterns related to marsh loss processes? 8th Symposium Coastal and Ocean Management. New Orleans, Louisiana. 19-23 July, 1993.
5. Nyman, J.A., R.H. Chabreck, R.D. DeLaune, and W.H. Patrick, Jr. 1993. Submergence, salt-water intrusion, and managed Gulf Coast Marshes. 8th Symposium Coastal and Ocean Management. New Orleans, Louisiana. 19-23 July, 1993.
4. Nyman, J.A. 1993. Organic matter accumulation controls vertical accretion in stable and deteriorating Louisiana coastal marshes. Second Symposium on Biogeochemistry of Wetlands. Baton Rouge, Louisiana, 22-24 February, 1993.
3. Nyman, J.A., R.D. DeLaune, W.H. Patrick, Jr., and H.H. Roberts. 1992. Relationships among vegetation, mineral sediments, and vertical accretion in coastal marshes. 13th Annual Conference of the Society of Wetland Scientists, New Orleans, Louisiana. 31 May-6 June, 1992.
2. (invited) Nyman, J.A. and R.D. DeLaune. 1991. CO_2 Emission and Soil Eh Responses to Different Hydrological Conditions in Fresh, Brackish, and Saline Marshes. Coastal Wetland Ecology and Management Symposium. New Orleans, Louisiana. December, 1991.
1. Chabreck, R.H., and J.A. Nyman. 1989. The effects of weirs on plants and wildlife in the coastal marshes of Louisiana. Marsh management in coastal Louisiana: effects and issues. U.S. Department of Interior and Louisiana Department of Natural Resources. Baton Rouge, Louisiana, 7-10 July, 1988.

Posters presented:30 (presenter's name is underlined):

International

2. Scaroni, A.E., J.A. Nyman, and C.W. Lindau, R.D. DeLaune, and R. Keim. 2009. Potential for nutrient removal by a large river floodplain: Atchafalaya Basin, Louisiana, USA. 10th International Congress of Ecology. Brisbane, Australia. 16-21 August, 2009.
1. King, S.K., J.A. Nyman, and K.R. Hersey. 2006. Assessment of Whooping Crane habitat needs at White Lake, Louisiana: historic conditions and current questions. 10th North American Crane Workshop, Zacatecas, Zacatecus, Mexico, 7-10 February, 2006.

United States of America

17. Booth, A., S. King and J. Nyman. 2019. Understanding mechanisms for coastal marsh sustainability in the face of sea level rise. Coastal Estuarine Research Federation 25th Biennial Conference. Mobile, AL. 3-7 November 2019.
16. Tucker, C., J. Trepanier, P. Blanchard, J. Jordan, J. Nyman and M. Schafer. 2019. Tapping in to K-12 students to gather tree-ring data. Coastal Estuarine Research Federation 25th Biennial Conference. Mobile, AL. 3-7 November 2019.

15. Graham, S., S. King and J. Nyman. 2019. Managing coastal marsh impoundments for vertical accretion in the face of sea level rise. Coastal Estuarine Research Federation 25th Biennial Conference. Mobile, AL. 3-7 November 2019.
14. Nyman, J.A. and S. Harlamert. 2018. How high should created marsh be built?. State of the Coast Conference. New Orleans, LA. 30 May – 1 June 2018
13. Green, CG., B Leblanc, J.A. Nyman, H. Oliveri, and B. Wagner. 2015. Stumbling from lab to outreach: helping non-scientists ponder how oil spills and consumer products affect wetlands. 23rd Biennial Conference of the Coastal Estuarine and Research Federation. Portland, OR. 8-12 Nov. 2015.
12. Nyman, J.A., H. Zhang, C. Green, and A. Kuhl. 2013. Acute toxicity of surfactants and chemical products, including COREXIT, to larvae of Gulf killifish (*Fundulus grandis*). 2013 Deepwater Horizon Coastal Conference.
11. Nyman, J.A. 2012. Predicting the Effects of Hurricane Protection and Wetland Restoration Projects on American Alligators, Muskrats, and River Otters. 2012 State of the Coast Conference. New Orleans, Louisiana. 25-27 June, 2012.
10. Nyman, J.A. 2010. Defining Restoration Targets for Flooding and Salinity in Louisiana's Intermediate and Brackish Marshes. 2010 State of the Coast Conference. Baton Rouge, Louisiana. 8-10 June, 2010.
9. Nyman, J.A. 2009. Coastal marsh refuges, global sea-level rise, and salt-water intrusion. 63rd Annual Southeastern Association of Fish and Wildlife Agencies Conference. Atlanta, Georgia. 1-4 November, 2009.
8. Nyman, J.A., A.E. Scaroni, and V.D. Tobias. 2009. Wetland graduate training spans eight decades and 17 academic departments at LSU. Coastal and Estuarine Research Federation 20th Annual Meeting. Portland, Oregon. 1-5 November, 2009.
7. Scaroni AE, Lindau CW, Nyman JA. 2010. Comparing denitrification and nitrous oxide emissions within distinct habitat types across the Atchafalaya River Basin, Louisiana. Society of Wetland Scientists Annual Meeting, Salt Lake City, Utah. 27 June- 2 July 2010.
6. O'Connell, J.L., and J.A. Nyman. 2007. Coastal marsh restoration using terraces: effects on waterbirds in Louisiana's Chenier Plain. 61st Annual Conference of the Southeastern Association of Fish and Wildlife Agencies. 21-24 October, 2007. Charleston, West Virginia.
5. Bordelon, S., and J.A. Nyman. 2005. Effects of white-tailed deer herbivory on the growth and survival of juvenile trees in a mature coastal wetland forest. Society of Wetland Scientists 26th Annual Meeting, Charleston South Carolina, June 5-10, 2005
4. Burcham, A.K., T.C. Michot, J.A. Nyman. 2002. The interactive effects of environmental stress and fungal infection on Spartina alterniflora dieback in coastal Louisiana. Society of Wetland Scientists 23rd Annual Conference. Lake Placid, New York. 2-7 June, 2002.
3. McMurray, M.P., M.T. Favalaro, J.M. Meriwether, J.A. Nyman, and R.R. Twilley. 2001. Effect of hydrologic manipulation on the accumulation of organic matter in brackish marshes, Chenier Plain, Louisiana. Estuarine Research Federation 16th Biennial Conference. 4-8 November, 2001. St. Petersburg, Florida.
2. Nyman, J.A. 2001. Are either nutrient storage in subsiding wetlands or nutrient release from eroding wetlands relevant to coastal eutrophication? Seventh Symposium on Biogeochemistry of Wetlands. Durham, North Carolina. 17-20 June, 2001.
1. Nyman, J.A., P.L. Klerks, and S. Bhattacharyya. 1999. Which hydrocarbon analyses best predicts toxicity of contaminated wetland soils? Wetlands and Remediation, an International Conference. Salt Lake City, Utah. 16-17 November, 1999.

Louisiana

11. Graham, S., S. King and J. Nyman. 2019. Managing coastal marsh impoundments for vertical accretion in the face of sea level rise. Louisiana Association of Professional Biologists/Louisiana Chapter of The Wildlife Society. Lafayette, LA. 8-9 August 2019.
10. Booth, A.R., S.L. King and J.A. Nyman. 2019. Impacts of waterfowl habitat management on carbon flux in coastal wetlands. Louisiana Association of Professional Biologists/Louisiana Chapter of The Wildlife Society. Lafayette, LA. 8-9 August 2019.
9. Nyman, J.A. 2012. Predicting the Effects of Hurricane Protection and Wetland Restoration Projects on American Alligators, Muskrats, and River Otters. 2012 State of the Coast Conference, New Orleans, Louisiana. 25-27 June 2012.
8. La Peyre, M.K., and J.A. Nyman. 2010. Effects of terraces on marsh vegetation, coastal waterbirds and nekton. State of the Coast Symposium: Implementing a Sustainable Coast for Louisiana, Baton Rouge, Louisiana. 8-11 June 2010.
7. Nyman, J.A. and M.K. LaPeyre. 2010. Defining Restoration Targets for Flooding and Salinity in Louisiana's Intermediate and Brackish Marshes. State of the Coast Symposium: Implementing a Sustainable Coast for Louisiana, Baton Rouge, Louisiana. 8-11 June 2010.
6. Scaroni AE, Nyman JA, Linda CW, DeLaune RD, Keim RF. 2010. Estimating the Role of the Atchafalaya River Basin in Reducing Nutrient Discharge to the Gulf of Mexico. State of the Coast Symposium: Implementing a Sustainable Coast for Louisiana, Baton Rouge, Louisiana. 8-11 June 2010.
5. Tobias, V.D., J.A. Nyman, R.D. DeLaune, and J.D. Foret. 2010. Using Chemical Analysis of Marsh Grass to Improve Coastal Restoration. State of the Coast Symposium: Implementing a Sustainable Coast for Louisiana, Baton Rouge, Louisiana. 8-11 June 2010.
4. Nyman J.A., M.K. La Peyre, A. Caldwell, S. Piazza, C. Thom, and C. Winslow. 2009. Restoration targets for water depth and salinity in coastal marshes dominated by Spartina patens (Ait.) Muhl. Chenier Plain Symposium, Lake Charles, Louisiana, 8-9 January, 2009.
3. Cannaday, C.D., B.P. Gossman, J.L. O'Connell, M.K. La Peyre, and J.A. Nyman. 2005. Effects of terraces on vegetation, nekton, and waterbirds. Progress in Understanding Coastal Land Loss and Restoration in Louisiana. Lafayette, Louisiana, April, 2005.
2. Burcham, A.K., T.C. Michot, J.A. Nyman. 2003. The interactive effects of environmental stress and fungal infection on Spartina alterniflora in coastal Louisiana. Society of Wetland Scientists 24th Annual Meeting. New Orleans, Louisiana. 8-13 June, 2003. p
1. Tobias, V.D., J.A. Nyman, R.D. DeLaune, and J.D. Foret,. 2007. Effects of salinity and nutrients on the elemental composition of Spartina patens (Ait). Muhl. leaves. 10th International Symposium on Wetland Biogeochemistry. Annapolis, Maryland, 1-4 April, 2007.

5. Other Scholarly or Creative Activities or Other Contributions to the Profession:
Membership in professional organizations

Society of Wetland Scientists
Ways and Means Committee 2016-present
Executive Board Member 2006-2007, 2020-present
Wildlife Section, founding member 2008, Chair 2011-2012, 2020-present
member 1993-present

South Central Chapter of the Society of Wetland Scientists:
Past-President, 2007-2008
President, 2006-2007
President-Elect 2005-2006
2003 International Meeting Planning Committee Member 2001-2003
Executive Board Member, 2000-2002, 2002-2004
The Wildlife Society, member
Past-President of the Louisiana Chapter, 2016-present
President of the Louisiana Chapter, 2015-2016
President-Elect of the Louisiana Chapter, 2013-2014
The Restoration Working Group of The Wildlife Society:
Executive Board Member from Southeastern Region, 2003-2005
Louisiana Association of Professional Biologists, life member
Estuarine Research Federation, member
Gulf Estuarine Research Society, member

6. Other Awards, Lectureships, or Prizes that Show Recognition of Scholarly or Artistic Achievement

Coalition to Restore Coastal Louisiana. 2020. Coastal Stewardship Award.

S. Arch 2017 Design Award. Best Conceptual Design Category Urban Project. Presented to Studio Misi-Ziibi, USA for Misi-Ziibi Living Delta.

St. Louis Chapter of the American Institute of Architects. 2016 Citation Award, Unbuilt Category. Presented to Studio Misi-Ziibi for The New Misi-Ziibi Living Delta; Changing Course for the 22nd Century Mississippi River Delta/Louisiana.

Louisiana Wildlife Biologists Association. 2006 Outstanding Publication Award. In recognition of Chabreck, R.H., and J.A. Nyman. 2005. Management of coastal wetlands. Pages 839-860 *in* C.E. Braun, editor Techniques for wildlife investigations and management. Sixth Edition. The Wildlife Society, Bethesda, Maryland, USA.

U.S. Army Corps of Engineers and the State of Louisiana. 2005. Team Achievement. In recognition of contributions to the completion of the Louisianan Coastal Area, Coastal Ecosystem Restoration Study.

Coastal America. 2004. Partnership Award. In recognition of efforts to protect and restore Louisiana as a member of the Breaux Act Task Force, Academic Advisory Group.

Louisiana Wildlife Biologists Association. Outstanding Publication Award. In recognition of Nyman, J.A., R.H. Chabreck, and N. Kinler. 1993 Some effects of herbivory and 30 years of weir management on emergent vegetation in a brackish marsh. Wetlands 13:165-175. 1994.

7. Research Support/Grant Activities: Proposals Funded Since 2001; $8,997,449 from funding agencies ($3,389,575 to my lab).

49. Secretive Marshbird Habitat Relationships and Distributions in Selected Coastal Louisiana Marshes. $1,331,421 ($1,331,421).

48. Nyman, J.A. 2020. Nyman's participation in CWPPRA's EWG PPL28. Coastal Wetland Planning Protection and Restoration Task Force. $20,000 ($20,000).
47. 2019-2024. Fire Effect in Gulf of Mexico tidal marshes: historical perspectives, management, and monitoring of Mottled Ducks and Black Rails and other high marsh birds. National Oceanic and Atmospheric Administration. $386,000,000 ($30,061).
46. Nyman, J.A. 2019. J.A. Nyman's participation in CWPPRA's EWG PPL28. Coastal Wetland Planning Protection and Restoration Task Force. $20,000 ($20,000).
45. Diaz, R., M. Stout, R. Valverde, J.A. Nyman, H. Alsborn and J. Cronin. 2019-2021. Roseau Cane Die-off: Host Plant Resistance to a Nonnative Scale Insect, Pest Management, and Restoration of Marsh Grasses. U.S. Department of Agriculture. $783,002 ($78,232: What follows Roseau Cane Dieback.)
44. Nyman, J.A. 2018. J.A. Nyman's participation in CWPPRA's EWG PPL27. Coastal Wetland Planning Protection and Restoration Task Force. $20,000 ($20,000).
43. Nyman, J.A. July 2018-June 2020. Proposal to Develop Procedures to Remotely Sense the Extent of Roseau Cane Dieback. Louisiana Legislature. $155, 963 ($155,963).
42. Nyman, J.A. and E. Mesehli. July 2018- June 2020. Simulation of Various Degrees of Roseau Cane Dieback on Navigation Dredging in the Bird's Foot Delta. Louisiana Legislature. $100,000 ($0).
41. Trepanier, J., P. Blanchard, M. Schafer, E. Bush, and J.A. Nyman. Feb 2018 – Jan 2020. Educating Louisiana's Future: Boosting K-12 Instruction of Coastal Environments. Louisiana SeaGrant. $36,000 ($0).
40. Diaz, R., J.T. Cronin, B. Wilson, and J.A. Nyman. July 2017-June 2018. Development of a Management Program for Roseau Cane Die-Offs. Louisiana Department of Wildlife and Fisheries. $100,000 ($26,966).
39. King, S.L., and J.A. Nyman. July 2018-June 2020. Managing Coastal Wetlands for Wildlife and Sustainability in the Face of Sea Level Rise: Rockefeller Refuge. Louisiana Department of Wildlife and Fisheries. $146,710 ($73,355).
38. King, S.L., and J.A. Nyman. August 2017–September 2021. Managing Coastal Wetlands for Wildlife and Sustainability in the Face of Sea Level Rise: J.D. Murphree WMA. Texas Parks and Wildlife. $191,648 ($95,824).
37. Nyman, J.A. January 2017-December 2017. Review and revision of documentation on diversion effects on receiving basin open water bodies and wetlands. Louisiana Coastal Wetland Restoration Authority, via Subcontract from J.W. Day, Jr. et al. $68,878 ($3,650).
36. Nyman, J.A. January 2017-December 2017. Support for CWPPRA's Environmental Workgroup by J.A. Nyman. Coastal Wetland Planning Protection and Restoration Task Force. $20,000 ($20,000).
35. Nyman, J.A. and M.K La Peyre. 2016. Proposal to quantify nekton benefits of dredged material wetlands. Environmental Defense Fund. $10,000 ($10,000).
34. Nyman, J.A. January 2016-December 2016. Support for CWPPRA's Environmental Workgroup by J.A. Nyman. Coastal Wetland Planning Protection and Restoration Task Force. $20,000 ($20,000).
33. Nyman, J.A. January 2015-December 2015. Support for CWPPRA's Environmental Workgroup by J.A. Nyman. Coastal Wetland Planning Protection and Restoration Task Force. $20,000 ($20,000). Coastal Wetland Planning Protection and Restoration Task Force.

32. Nyman, J.A. and M.K. La Peyre. September 2014-August 2015. Proposal to Quantify the Nekton Benefits of Dredged Material Wetlands. National Audubon Society, Inc. $22,463 ($22,463).
31. Nyman, J.A. January 2014-December 2014. Support for CWPPRA's Environmental Workgroup by J.A. Nyman. Coastal Wetland Planning Protection and Restoration Task Force. $20,000 ($20,000).
30. Lamsal, B., J.A. Nyman, and P. Somasundaran. April 2012-March 2015. Producing and characterizing Bacillus subtilis biosurfactancts with potentially lower environmental impacts for salt water applications. U.S. Environmental Protection Agency-Science to Achieve Results (STAR) Program. $500,000 total, $211,764 to LSU Agricultural Center ($0)
29. Green, C., J.A. Nyman, F. Galvez, and G. Mayer. July 2011-June 2012. The influence of oil dispersants on the biodegradation of South Louisiana Crude Oil and the resulting toxicological, molecular and physiological effects on the Gulf killifish. BP Gulf Research Initiative, Competition 2 Administered by the Office of Research & Economic Development Louisiana State University. $249,265 ($0).
28. Nyman, J.A. Proposal to collect seeds from black mangrove, grow seedlings until spring, and provide them for use in coastal wetland restoration in 2011. October 2010–June 2011. Coalition to Restore Coastal Louisiana. $3,200 ($3,200).
27. Nyman, J.A. Coastal Science Assistantship Program. July 2011-June 2013. Louisiana Office of Coastal Protection and Restoration. $50,000 ($50,000).
26. Nyman, J.A. July 2010 – December 2011. 2012 Master Plan Revision: Modeling Tools to Predict Effects of Coastal Protection and Restoration Projects Upper Trophic Level Module. Louisiana Office of Coastal Protection and Restoration. $173,420 ($135,830)
25. Nyman, J.A. August, 2010-September, 2011. Indicators of nutrient limitation and flood stress in bald-cypress leaf tissue. Jesco Environmental and Geotechnical Services, Inc. $99,490 ($99,490).
24. Nyman, J.A. September, 2010-August 2011. Collaborative Research: characterization of lipo-peptides for use as bio-dispersants to clean-up oil spills. National Science Foundation. $79,080 ($79,080).
23. Nyman, J.A., and M. Huber. August, 2009-June, 2010. Louisiana black mangroves: insights into coastal environment and the implementation of the scientific method. LSU College of Agriculture Undergraduate Research Grant. $1,600 ($1,600).
22. Nyman, J.A. August, 2009-September, 2010. Indicators of nutrient limitation and flood stress in bald-cypress leaf tissue. Jesco Environmental and Geotechnical Services, Inc. $99,490 ($99,490).
21. Nyman, J.A. and M. Williamson. August, 2007-June 2008. Effects of riverine input on tissue content in *Spartina alterniflora.* LSU College of Agriculture Undergraduate Research Grant. $2,000 ($2,000).
20. Nyman, J.A. July, 2008-June, 2011. Comparing Variability of C, N, and P storage in soils within and among habitats of coastal floodplains. Louisiana Board of Regents. $117,390 ($117,390).
19. Nyman, J.A., R.D. DeLaune, and J.D. Foret. August, 2006-July, 2008. Developing a tool to map coastal wetlands affected and unaffected by freshwater introductions. Coastal Restoration Enhancement through Science and Technology (CREST) Program. $68,023 ($68,023)

18. Nyman, J.A. July, 2006-September, 2007. In support of the Louisiana Coastal Protection And Restoration Project (LACPR) Programmatic Environmental Impact Statement (PEIS). U.S. Army Corps of Engineers. $33,486 ($33,486).
17. Nyman, J.A. R.D. DeLaune, C.W. Lindau, and R. Keim. June 2006-September, 2006. Pilot Studies of Water Quality Restoration in Atchafalaya River Basin via Denitrification, Sedimentation, and Biomass Accumulation. U.S. Army Corps of Engineers. $72,000 ($72,000). .
16. Lindau, C.W., and J.A. Nyman. August, 2005- July, 2006. Denitrification potential of Atchafalaya River Basin Bottomland hardwood Forests and Cypress Swamps: backwater vs. river flooded. Louisiana Governor's Office of Coastal Activities Applied Research and Development Program. $63,000 ($63,000).
15. Mesehle, E.A., J.A. McCorquodale, I. Georgious, J.A. Nyman, and E.H. Habib. August 2004-July 2006. Comprehensive water and sediment budget analysis for the Chenier Plain. Coastal Restoration Enhancement through Science and Technology (CREST) Program. $202,609 ($5,997).
14. Nyman, J.A. September 2004 -August, 2006. Comparing waterbird density between unrestored coastal marshes and marshes restored with terraces. Gulf Coast Joint Venture. $66,000 ($66,000).
13. Nyman, J.A. September 2003-December 2004. Assistance from the School of Renewable Natural Resources, LSU Ag Center to PPL-14 activities of the Coastal Wetland Planning and Restoration Act Task Force. Coastal Wetland Planning, Protection, and Restoration Act Task Force, Academic Advisory Group, Louisiana Universities Marine Consortium (LUMCON). $2,478 ($2,478).
12. Nyman, J.A., and M.K. Le Peyre. August 2003-July 2005. Effectiveness of marsh terracing as a restoration technique: nekton habitat. Coastal Restoration Enhancement Through Science and Technology (CREST) Program. $60,973 ($0).
11. Nyman, J.A. June 2003 through December 2005. Proposal to determine the effects of marsh terraces on the abundance of submersed aquatic vegetation. Louisiana Department of Wildlife and Fisheries. $57,032 ($57,032).
10. Day, J.W, P. Kemp, V. Aravamuthan, D. Justic, H. Mashriqui, S. Moorthy, J Ko, C. Sasser, J. Visser, I. Mendelssohn, K. Rose, E. Swenson, J. Cowan, A. Nyman, I. Van Heerden, S.A. and Binselam. 2002-2004. Conceptual ecological models for planning and evaluating the Louisiana Area Restoration Plan. Louisiana Department of Natural Resources. $268,999 ($5,997).
9. Nyman, J.A.. 2001-2004. Estimation of waterfowl food plant availability in freshwater marshes of the Gulf Coast Joint Venture Area. Gulf Coast Joint Venture. $52,500 ($52,500).
8. Nyman, J.A., and M.K. Le Peyre. 2001-2003. Proposal to determine the effect of marsh terraces at Sabine National Wildlife Refuge on the abundance of submersed aquatic vegetation and fish. U.S Fish and Wildlife Service. $90,000 ($45,000).
7. Nyman, J.A. 2003. Six weather-proof video camera and image storage devices with solar power. Louisiana State University AgCenter. $23,600 ($23,600).
6. La Peyre, M.K., and J.A. Nyman. 2003. Comparing nekton growth rates between vegetated and unvegetated marsh ponds using enclosures. $9,100. National Marine Fisheries Service.
5. Nyman, J.A. 2002. Obtain, compile and analyze water level, water salinity, and land loss data collected by CWPPRA Task Force to test for indicators of wetland loss. Coastal

Wetland Planning, Protection, and Restoration Act Task Force, Academic Advisory Group, Louisiana Universities Marine Consortium (LUMCON). $7,300 ($7,300)

4. Nyman, J.A., and M.K. La Peyre. 2002. Submerged aquatic vegetation: assessing fish community use and habitat linkage effects. Louisiana Department of Wildlife and Fisheries. $12,000 ($0)
3. Nyman, J.A. 2002. Assistance from the School of Renewable Natural Resources, LSU Ag Center to PPL-12 activities of the Coastal Wetland Planning and Restoration Act Task Force. Coastal Wetland Planning, Protection, and Restoration Act Task Force, Academic Advisory Group, Louisiana Universities Marine Consortium (LUMCON). $9,387 ($9,387).
2. Nyman, J.A. 2001-2002. Salinity at Marsh Island. Louisiana Department of Wildlife and Fisheries. $10,480 ($10,480).
1. Nyman, J.A. 2001. Participate in planning activities of the CWPPRA Project List 11. Coastal Wetland Planning, Protection, and Restoration Act Task Force, Academic Advisory Group, Louisiana Universities Marine Consortium (LUMCON). $3,513 ($3,513).

8. Theses/dissertations Directed (numbers only)

Louisiana State University

undergraduate honors thesis completed: 1
M.S. completed: 11
M.S. in progress: 1
Ph.D. completed: 3
Ph.D. in progress 1

University of Louisiana at Lafayette

M.S. completed: 3

9. Major Areas of Research Interest

My research spans many aspects of wetland ecology. Some of my interests are basic but many are associated with assumptions underlying wetland management and restoration. I am very interested in the role of vegetation in marsh vertical accretion, which allows coastal wetlands worldwide to gain the elevation needed to offset global sea-level rise and local subsidence. Microbiologically, I study factors controlling gross metabolic activity in soils (gross activity governs nutrient availability to plants among other things) and denitrification (denitrification removes nitrate, which is a nutrient and common pollutant). Botanically, I study the effects of hydrologic conditions and management on submersed and emergent wetland plants. Regarding wildlife, I study relationships among wetland restoration, wildlife, and vegetation. Regarding systems ecology, I study roles of vegetation in nitrogen budgets and roles of hydrological conditions and habitat change on carbon and nutrient cycling. I apply my research, and research from other workers and disciplines, when I help state and federal agencies select, plan, monitor, and manage wetland restoration projects. These activities also illustrate useful skills for students planning to work for engineering and consulting firms, for management and regulatory agencies, or for non-governmental organizations active in resource conservation.

10. Outreach – field days, trade shows, direct clientele contact

Co-Instructor, Marshland Burning Certification Workshops, 2010-present

11. Cooperative/Collaborative Efforts with Other Faculty

Thirteen of 34 funded research proposals involve other faculty (see section 7: project numbers 4, 6, 8, 10, 12, 15, 16, 17, 19, 29, 30, 32, and 34).

12. Community Involvement as it Relates to the University Mission

AmeriCorps Site Supervisor, America's Wetland Conservation Corps, 2007-2009.
Certified Hunter Safety Education Instructor. 2004 to present.

13. Overall Program Impact

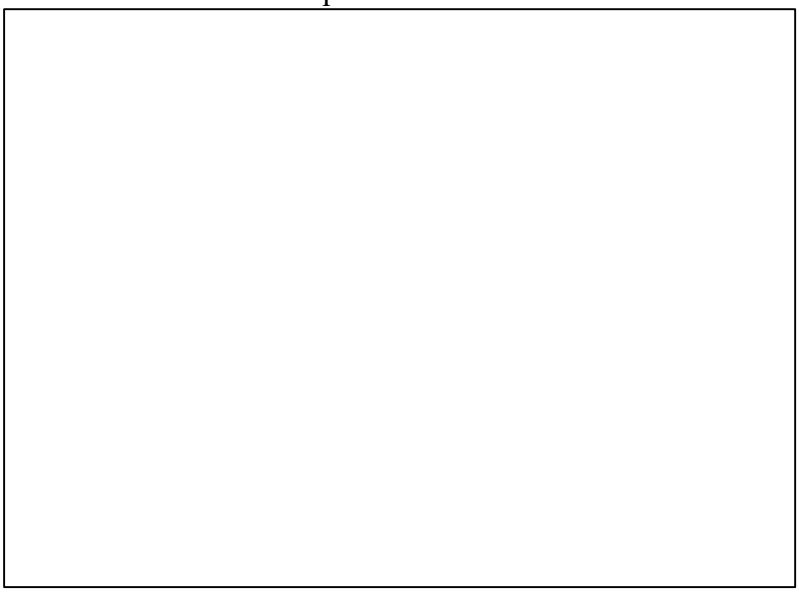
Management and restoration of coastal marshes and bottomland hardwood forests is common in the southeastern United States with management being more common on publicly-owned lands and restoration being more common on privately-owned lands. Managers and restoration planners need to know why some wetland restoration and management techniques are more effective in some situations than in others. With my research, I try to help managers and restoration planners understand and better predict the effects of wetland management and restoration. The cost effectiveness of wildlife management and environmental restoration should improve as land managers more accurately predict the impacts of their efforts.

One indication of the impact of my research is citation of my research. As of March 2021, the Web of Science recognized 53 of my 81 peer-reviewed publications (some were not recognized because they are book chapters; others because they are in journals that are too small or regional). The Web of Science recognized 1,715 citations (1,614 omitting self-citations) of those 53 publications. Web of Science indicated that my work was cited with increasing frequency with over 100 citations annually since 2013. The five most cited papers were cited over 100 times each. The average citation was 32.26 per publication. The h-index for these 53 publications was 21, which means that 21 had been cited at least 21 times. According to the Web of Science, the h-index is useful because it discounts the disproportionate weight of highly cited papers and the weight of papers that have not yet been cited. I am unaware of information that can be used to determine how these statistics compare to those of other faculty.

Another indication of the impact of my research can be found in the requests for information and advice that I receive from wetland managers and restoration planners. Some of these efforts are extensive enough that they require contractual agreements with the university, such as my current assistance with the Louisiana 2012 Master Plan for a Sustainable Coast. Others require only a presentation, email, or phone call. Oil spills and dispersants were a popular topic for several years following 2010. The applied impact of my research also is reflected in (*i*) the Coastal America Partnership Award that I received for my work with the Breaux Act Task Force's Academic Advisory Group in 2004; (*ii*) in the Team Achievement Award that I received from the US Army Corps of Engineers and the State of Louisiana for my contribution to the Louisiana Coastal Area, Louisiana Ecosystem Restoration Study in 2005; (*iii*) in my invitation from the Louisiana Department of Coastal Protection and Restoration to help them revise the models used to select restoration plans in 2009; (ivin my invitation from the

Louisiana Department of Coastal Protection and Restoration to lead a group of fish and wildlife modelers within the effort to update the state's 2012 master plan for coastal protection and restoration. In recent years, I have been invited to make numerous presentations regarding my studies of the way coastal wetlands respond to sea level rise and to oil spills. I've also been invited to participate in river management design competitions to sustainably design the Mississippi River channel (http://changingcourse.us/competitors/studio-misi-ziibi/) and interdisciplinary teams to design operation schemes for river diversion structures (https://mississippiriverdelta.org/learning/diversion-ops-report/).

The number of times each of my publications has been cited, ordered by their year of publication.



The number of times some of my publications are cited each year since I began authoring peer-reviewed papers.

SERVICE ACTIVITIES

1. Organizations Advised

Student Wetland Society at LSU.

2. Recruitment of Students and Faculty

Anthony J. Rietl (Ph.D. starting fall 2011)
James Ialeggio (M.S. starting fall 2011)
Vanessa Tobias (Ph.D. completed 2010).
Amy Scaroni (Ph.D. completed 2011)
Jessica O'Connell (M.S. completed 2006)
member of search committee for Wildlife Ecologist (filled August, 2003)

3. University Service

LSU A&M

LSU Program Review Committee, member (Department of Mechanical and Industrial Engineering), spring 2017.
LSU General Education Committee, member 2011-2014, Chair 2013-2014.
LSU Institutional Animal Care and Use Committee, 2011-2014.
LSU Faculty Senate, 2010 to 2013.
Author and proponent of petition to LSU Faculty Senate to replace the then current system of appointments with a new system of elections for members of the Graduate Council. Passed in spring 2010; currently being implemented.
Faculty Advisor to the Student Wetland Society at LSU. 2007-present
Student Recruiting, School of Renewable Natural Resources, Louisiana State University, 2003-present
Faculty Friend to the McVoy Hall community. Fall 2008.
New Degree Committee, School of Renewable Natural Resources, Louisiana State University, 2003-2004
Chancellor's Future Leaders in Research, faculty mentor for William Tujaegue, 2002-2003

LSU AgCenter

Graduate Education and Research Committee, School of Renewable Natural Resources, Louisiana State University, 2001-present. This committee considers applications to our graduate program.
Promotion and Tenure, School of Renewable Natural Resources, Louisiana State University, 2003-present
Seminar and Lecture, School of Renewable Natural Resources, Louisiana State University, 2003-present
Self-appointed spokesperson for efforts to construct Moist Soil Units in University Lake. In the fall of 2007, I corresponded with the USCOE and their consultant, and met with Directors, Deans, and Vice-Chancellors until the university, USCOE, and consultants working for USCOE agreed to incorporate a five-acre Moist Soil Unit into plans to restore University Lake.
Cooperative State Research, Education, and Extension Service (CSREES) Review of Research and Extension Self-Study Committee. I prepared the portion of the 200-page self-study document that dealt with wildlife research and extension. 2007-2008

Lee Memorial Forest, School of Renewable Natural Resources, LSU AgCenter, 2002-2004
White Lake Working Committee, Louisiana State University, 2002-2004

4. Professional Service

Advisory Boards

Site Development Committee in the search for a site for the Louisiana NERR. 2020-present.
Subject Matter Expert for The Water Institute's Avian Habitat Monitoring Working Group. 2020-present.
Science Team of the Gulf Coast Prairie Landscape Conservation Cooperative. 2014 to 2016.
Diversion Operations Expert Working Group. A group of scientists and engineers who advise the Environmental Defense Fund on developing an plan of operations for anticipated river diversion structures. 2015-2016.
Coastal Protection and Restoration Authority: Science and Technical Working Group. 2011 to 2013.
Science and Engineering Special Team. A group of scientists and engineers who advise the NGO community, especially Environmental Defense Fund, National Audubon Society, and National Wildlife Federation, dealing with coastal issues in Louisiana. 2010 to 2013.
Horizon Oil Spill Science and Engineering Review Team (Horizon-SERT). An expert review panel convened to provide guidance and recommendation concerning plans and proposals to Louisiana Chief Trustee, OCPR, on Horizon Oil Spill Response and Recovery Coastal Wetland Planning Protection and Restoration Act Task Force. 2010
Alternative Coastal Protection and Clean-up Technical Forum. National Incident Command, Environmental Protection Agency. 3 June 2010. New Orleans, Louisiana.
Louisiana Office of Coastal Protection and Restoration: Coastwide Reference Monitoring System Analytical Team. 2006 to 2009.
Coastal Wetland Forest Conservation and Use Task Force: Science Working Group. 2003-2005
Coastal Restoration Enhancement through Science and Technology (CREST), Technical Board member, 2001-2008
The Restoration Working Group, The Wildlife Society, Southeast Board Member, 2003-2005
Congress on Building Capacity for Coastal Solutions. Renewable Natural Resources Foundation. Washington, D.C. 6-7 December, 2004. (Delegate)
U.S. Department of the Interior, U.S. Fish and Wildlife Service, Lacassine National Wildlife Refuge, Biological Review. 2002.
Restore America's Estuaries, National Strategy for Coastal Habitat Restoration Initial Working Group, member and contributing author (see http://www.estuaries.org/), 2000-2002.
Coalition to Restore Coastal Louisiana 2001 Coastal Stewardship Awards, judge
Coastal Fringe HGM Workshop, September, 1996.

Journals edited, manuscripts referred, books and proposals reviewed

Associate Editor for Wetlands, October 2011 to January 2014
Manuscript Reviewer for:
Ecological Engineering, Hydrobiologia, Wetlands, Catena, Journal of Soil and Water Conservation, Estuaries, Estuarine Coastal and Shelf Science, Proceedings of the Southeastern Association of Fish and Wildlife Agencies, Environmental Science and Technology.
Wetland Management Plan Reviewer for: CALFED Bay-Delta Program, U.S. Fish and Wildlife Service, U.S. Department of Defense.

Proposal Reviewer for: National Science Foundation Ecosystem Studies Program, Petroleum Research Atlantic Canada, NOAA National Ocean Service Coastal Ocean Program, Department of Defense Strategic Environmental Research and Development Program (SERDP), and California Sea Grant College Program, National Estuarine Research Reserve Program.

Co-editor for Current Topics in Wetland Biogeochemistry. 1994-1998 (this start up journal ceased publication after I resigned as co-editor)

5. Other external and community service: Invited Presentations by Management Agencies Regarding Regional Environmental Issues

Update on Roseau Cane Die-Back in Coastal Louisiana: more questions than answers in May 2017. Plaquemines Association of Business and Industry. West Point a la Hache. 30 May 2017

River diversions, disturbance, and the Delta Lobe Cycle. Coastal Protection and Restoration Authority (Board). Baton Rouge, LA. 26 February 2014.

River diversions, disturbance, and the Delta Lobe Cycle. Governor's Advisory Commission on Coastal Protection, Restoration, and Conservation. New Orleans, Louisiana. 5 February 2014.

River diversions, disturbance, and the Delta Lobe Cycle. Coastal Protection and Restoration Authority (staff). Baton Rouge, LA. 14 November, 2013.

Marsh vertical accretion in coastal Louisiana. Sea Level Rise Technical Workshop, Habitat Conservation and Restoration Team (HCRT), Gulf of Mexico Alliance. November 3-4, 2010. St. Petersburg, Florida.

Research priorities for the northern Gulf Coast. Collaborative Scientific Research Opportunities Relative to the Gulf Oil Spill. Louisiana EPSCor and Louisiana Board of Regents. 1-2 November, 2010. New Orleans, Louisiana.

Diversions, marsh vertical accretion, and soil strength. Governor's Advisory Commission on Coastal Protection, Restoration, and Conservation. 14 October 2010. Baton Rouge, Louisiana.

Effects of crude oil on emergent wetland plants and of dispersed oil on wetland soil microbial activity, nekton and benthos. Long-term monitoring of Coastal Ecosystem Responses to the Deepwater Horizon Oil Spill. 10-12 September 2010. Tallahassee, Florida.

Alternative Coastal Protection and Clean-up Technical Forum. National Incident Command, Environmental Protection Agency. 3 June 2010. New Orleans, Louisiana.

Impacts of Freshwater Diversions on Coastal Wetlands. Coastal Protection and Restoration Authority of Louisiana, 17 January 2010, Baton Rouge, Louisiana.

Overview of wetland functions. Lorman Seminar, Wetland Regulation in Louisiana, 29 October, 2009, Baton Rouge, Louisiana

Dieback in brackish marshes. Coastal Marsh Dieback Conference, 11-12 January 2001 Baton Rouge, Louisiana.

Status and Trends of the Acadiana Bays, 22-23 April 2002, Baton Rouge, Louisiana.

TEACHING ACTIVITIES

1. Documentation of Teaching Activities

Teaching Perspective Profile (April 2011)
Transmission: 39, Apprenticeship: 36, Development: 33, Nurturing: 24, Social Reform: 19.
Teaching Perspectives Profile (March, 2005):
Transmission: 38, Apprenticeship: 35, Development: 31, Nurturing: 28, Social Reform: 25.

Teaching History and Evaluations (grade distributions do not add to 100% because of student withdrawals)

RNR 1001, Natural Resource Conservation (3 credit hours)

semester	enrollment	% A's	% B's	% C's	% D's	% F's	instructor SPOT	college SPOT
spring '02	80	54	16	10	2	6	3.30	4.07

RNR 1002, Issues in Natural Resources Management (1 credit hour)

semester	enrollment	% A's	% B's	% C's	% D's	% F's	instructor SPOT	college SPOT
spring '04	8	100	0	0	0	6	4.39	4.12

RNR 2031, Principles of Wildlife Management (3 credit hours)

semester	enrollment	% A's	% B's	% C's	% D's	% F's	instructor SPOT	college SPOT
fall '01	61	43	18	12	5	5	4.03	4.08
spring '03	54	20	26	28	13	4	4.52	4.03
fall '03	34	44	31	16	9	0	4.47	4.12
spring '04	38	33	28	17	6	6	4.32	4.12
fall '04	23	39	26	17	9	9	4.70	4.09
fall '05	50	18	20	7	1	3	4.44	4.09
fall '06	31	31	41	25			4.27	4.03
spring '07	38	26	31	20	15	5	4.35	4.09
spring '08	57	39	26	13	10	5	4.43	4.01
spring '09	61						3.88	4.03
spring '10	56	25	31	18	3	6	4.31	4.06
spring '11	29	16	35	10	3		4.06	4.08
spring '13	52	31	36	24	7	2	4.17	3.87
spring '14	59	29	44	24	2	2		
spring '15	44	34	34	27		2		

RNR 2072, HONORS Principles of Wildlife Management (4 credit hours)

semester	enrollment	% A's	% B's	% C's	% D's	% F's	instructor SPOT	college SPOT
spring '13	7	100					4.32	4.07
spring '14	9	88	12					

RNR 3018, Ecology of Louisiana Wildlife (4 credit hours)

semester	enrollment	% A's	% B's	% C's	% D's	% F's	instructor SPOT	college SPOT
spring '05	24	71	25	0	0	0	3.81	4.10
spring '06	21							

RNR 3108, Case Studies in Habitat Restoration (2 credit hours)

semester	enrollment	% A's	% B's	% C's	% D's	% F's	instructor SPOT	college SPOT
spring '06	9	78	12				4.41	4.03
spring '07	7	100						
spring '08	5	100						
spring '09							4.78	4.03
fall '10	5	100						
fall '11	9	100					4.07	4.15
spring '13	8	88	12					
spring '14	12	100						
spring '15	7	71	29					
spring '16	7	100					4.83	4.24
spring '17	5	100						
spring '19	6							
spring '20	4	75				25		
spring '21								
spring '22	5	100						

This course is field intensive and requires that students spend five days as the Pass A Loutre Wildlife Management Area, which lies as the very end of the Mississippi River.

RNR 4013, Ecology and Management of Wetland Wildlife (4 credit hours)

semester	enrollment	% A's	% B's	% C's	% D's	% F's	instructor SPOT	college SPOT
fall '10	14	28	36	36				
fall '12	15	13	67	20			4.40	4.11
fall '14	25							
fall '16	26	46	34	11	4	4		
fall '18	19							
fall '20	12	17	50	25	8			

RNR 4020, Taxonomy and Ecology of Wetland Plants (4 credit hours)

semester	enrollment	% A's	% B's	% C's	% D's	% F's	instructor SPOT	college SPOT
summer '09	6						n.a.	
summer '11	16						n.a.	
summer '13							n.a.	
spring '16	30	62	31		4		4.60	4.24
spring '17	26	73	19			8		
spring '18	26	69	19	4		8		

This course was offered as OCS 4001 (Special Topics in Oceanography and Coastal Sciences) the first time I taught it.
This course is taught at the Louisiana Universities Marine Consortium, which does not use the SPOT evaluations.
These enrollment numbers include all students; students from other universities also enroll.

RNR 4051, Wildlife Habitat Management (4 credit hours)

semester	enrollment	% A's	% B's	% C's	% D's	% F's	instructor SPOT	college SPOT
spring '19	4	25	25	50				
spring '20	27	52	33	4	4			
spring '21	19							
spring '22	29	45	21	24	7			

RNR 4101, Integrated Natural Resources Management and Policy (4 credit hours)

semester	enrollment	% A's	% B's	% C's	% D's	% F's	instructor SPOT	college SPOT
spring '05	13	85	8			8	4.39	4.10
spring '06	26	54	46				4.33	4.03
spring '07	21	46	54					
spring '08	26	50	27	15	8		3.10	4.01
spring '09	27						3.36	4.03
spring '10	34	71	26				3.61	4.06
spring '11	29	35	52	6			3.85	4.08
spring '12	38						3.51	3.90
fall '13	16							
fall '14	21							
fall '15	21	38	34	10				
fall '16	15	33	27	27		7		
fall '17	14						4.24	4.29
fall '18	22	32	41	14		9		
fall '19	16	44	32	13		6		
fall '20	11	62	25	13				
fall '21	15	47	27	27				

RNR 7017, Restoration and Management of Wetland Functions (4 credit hours)

semester	enrollment	% A's	% B's	% C's	% D's	% F's	instructor SPOT	college SPOT
fall '02	11	100	0	0	0	0	4.18	4.03
fall '04	11	73	27	0	0	0	4.17	4.09
fall '06	7	100						
fall '07	8	75	25					
fall '09	9	88	22					
fall '11	8	100					4.31	4.15
fall '13	10							

fall '15	9	89	11		
fall '17	8	100		4.87	4.29
fall '19	10	60	40		
fall '21	9	89	11		

This course was offered as RNR 7029 (Advanced Topics in Renewable Natural Resources) the first four times I taught it.

In addition to the courses noted above for which SPOT evaluations were available, the following courses were taught.

RNR 2061, Problems in Natural Resources Management
Fall 2004 (1 student, A)
Spring 2005 (1 student, A)
Fall 2005 (2 students, 1 A, 1 B)

HNRS 3991, Honors Thesis
Fall 2007 (1 student, A)

HNRS 3993, Honors Thesis
Spring 2008 (1 student A)

RNR 4061, Problems in Natural Resources Management
Fall 2002 (1 student, dropped)
Spring 2003 (1 student, A)
Spring 2005 (1 student, B)
Fall 2005 (2 students, 2 A's)
Summer 2007 (1 student, 1 A)

RNR 8000, Thesis Research,

Fall 2001:	2 students
Spring 2002:	2 students
Summer 2002:	2 students
Fall 2002:	3 students
Spring 2003:	4 students
Summer 2003:	5 students
Fall 2003:	5 students
Spring 2004:	3 students
Summer 2004:	3 students
Fall 2004:	3 students
Spring 2005:	3 students
Summer 2005:	3 students
Fall 2005:	2 students
Spring 2006:	2 students
Fall 2006	1 students
Fall 2009	1 student
Spring 2010	1 students

Fall 2010	1 student
Spring 2011	1 student
Summer 2011	2 student
Fall 2011	2 student
Spring 2012	2 student
Fall 2012	2 student
Spring 2013	2 student
Summer 2013	2 student
Fall 2013	2 student
Spring 2014	2 student
Summer 2014	1 student
Fall 2014	2 student
Spring 2015	2 student
Summer 2015	1 student
Fall 2015	1 student
Spring 2016	2 student
Summer 2016	2 student
Fall 2016	1 student
Spring 2017	1 student
Summer 2017	1 student
Fall 2017	1 student
Spring 2018	1 student
Summer 2018	1 student
Fall 2018	3 students
Spring 2019	4 students
Summer 2019	3 students
Fall 2019	3 students
Spring 2020	3 students
Summer 2020	2 students
Fall 2020	2 students
Spring 2021	2 students
Summer 2021	2 students
Fall 2021	1 student
Spring 2022	1 student
Summer 2022	1
Fall 2022	

RNR 9000, Dissertation Research

Fall 2006	2 students
Spring 2007	2 students
Summer 2007	2 students
Fall 2007	2 students
Spring 2008	2 students
Fall 2008	2 students
Spring 2009	2 students
Fall 2009	2 students

Spring 2010	2 students
Fall 2010	1 student
Spring 2011	1 student
Summer 2012	1 student
Fall 2012	1 student
Spring 2013	1 student
Summer 2013	1 student
Fall 2013	1 student
Spring 2014	1 student
Summer 2014	1 student
Fall 2014	1 student
Spring 2015	1 student
Summer 2015	1 student
Fall 2015	1 student
Spring 2016	1 student
Fall 2017	1 student
Spring 2018	1 student
Summer 2018	1 student
Fall 2018	1 student
Spring 2019	1 student
Summer 2019	1 student
Fall 2019	1 student
Spring 2020	1 student
Summer 2020	1 student
Fall 2020	1 student
Spring 2021	1 student
Summer 2021	1 student
Fall 2021	1 student
Spring 2022	2 students
Summer 2022	2
Fall 2022	

BIOL 101, Principles of Biology, University of Louisiana at Lafayette
Spring 1995, (166 students)

BIOL 121, Biological Principles and Issues, University of Louisiana at Lafayette
Spring 1995, (263 students)

BIOL 489, Topics in Marine Science: Wetland Biogeochemistry, Louisiana Universities Marine Consortium
Summer, 1996 (8 students)
Summer, 1997 (11 students)
Summer, 2000 (10 students)

Graduate Committees
Louisiana State University

Full Member of Graduate Faculty, 2006-present
Associate Member of Graduate Faculty, 2001-2006
University of Louisiana at Lafayette
Member of Graduate Faculty, 1995-2000, 2001-2006

Graduate committees chaired, Louisiana State University (16)

16. Madeline Gill. In progress. M.S. Thesis.
15. Ashley Booth. In progress. Ph.D. Dissertation. (co-chair with Dr. Sammy King).
14. Scott Graham. 2021. Effects of marsh management in coastal marsh impoundments on marsh vertical accretion in the face of sea level rise. M.S. Thesis. (co-chair with Dr. Sammy King). https://digitalcommons.lsu.edu/gradschool_theses/5298/
13. Aimiee Beaudette. 2020. Estimating the onset and extent of dieback of Phragmites australis using the normalized difference vegetation index and remotely sensed land cover classifications M.S. Thesis. M.S. Thesis. https://digitalcommons.lsu.edu/gradschool_theses/5170/
12. Brett Patton. 2016. Living on the edge: an assessment of the habitat use of waterbirds in estuarine wetlands of Barataria Basin, LA. M.S. Thesis. http://etd.lsu.edu/docs/available/etd-06222016-193523/
11. Anthony Rietl. 2016. Vegetation influences microbial community structure and methane emissions in southeastern Louisiana wetlands. Ph.D. Dissertation. http://etd.lsu.edu/docs/available/etd-04112016-150034/
10. Lauren Sullivan. 2015. If you build it, what will come? Assessing the avian response to wetland restoration in the Mississippi River Bird's Foot Delta through multiple measures of density and biodiversity. M.S. Thesis. http://etd.lsu.edu/docs/available/etd-07132015-015315/
10. James Ialeggio. 2014. Some effects of nutrient and flooding stress manipulation on coastal Louisiana wetland vegetation. M.S. Thesis. http://etd.lsu.edu/docs/available/etd-06102014-192930/
9. Christina Leglue. 2012. Modeling gopher tortoise (Gopherus polyphemus) habitat in a fire-dependent ecosystem in north Florida Masters Thesis. http://etd.lsu.edu/docs/available/etd-05042012-104133/
8. Amy Scaroni. 2011. The effect of habitat change on nutrient removal in the Atchafalaya River Basin. Ph.D. Dissertation. http://etd.lsu.edu/docs/available/etd-05202011-182552/unrestricted/Scaroni_Dissertation.pdf
7. Vanessa Tobias. 2010. Developing tools to identify factors that limit production in coastal marshes. Ph.D. Dissertation. http://etd.lsu.edu/docs/available/etd-07082010-102921/unrestricted/Tobias_Dissertation.pdf
6. Jessica O'Connell. 2006. Coastal marsh restoration using terraces: effects on waterbird habitat in Louisiana's Chenier Plain. Masters Thesis. http://etd.lsu.edu/docs/available/etd-11162006-111100/unrestricted/OConnell_thesis.pdf
5. Chris Cannaday, M.S. 2006. Effects of terraces on submersed aquatic vegetation. Masters Thesis. http://etd.lsu.edu/docs/available/etd-06032006-113117/unrestricted/Cannaday_thesis.pdf
4. Seth Bordelon. 2005. Effects of white-tailed deer herbivory on forest regeneration at Jean Lafitte National Historical Park and Preserve. Masters Thesis. http://etd.lsu.edu/docs/available/etd-10212005-130147/unrestricted/Bordelon_thesis.pdf

3. Barrett K. Fortier. 2004. Mortality of pen-raised white-tailed deer (*Odocoileus virginianus*) released on three areas in Louisiana. Masters Thesis. http://etd.lsu.edu/docs/available/etd-04152004-114153/unrestricted/Fortier_thesis.pdf
2. Aaron Caldwell. 2003. Effects of marsh terraces on submersed aquatic vegetation. Masters Thesis. http://etd.lsu.edu/docs/available/etd-0625103-110131/unrestricted/Caldwell_thesis.pdf
1. Christian Winslow. 2003. Estimation of waterfowl food plant availability in freshwater marshes of Gulf Coast Joint Venture Area. Masters Thesis. http://etd.lsu.edu/docs/available/etd-1111103-154448/unrestricted/Winslow_thesis.pdf

Graduate committees chaired, University of Louisiana at Lafayette (3)

3. Joy J. Hunter. 2000. Relative effects of season, waterfowl herbivory, and marsh management on submersed aquatic Vegetation in a tidal, non-saline marsh. Masters Thesis.
2. John Foret. 1997 (co-Chair with R.R. Twilley). Accretion, sedimentation, and nutrient accumulation rates as influenced by manipulations in marsh hydrology in the Chenier Plain, Louisiana. Masters Thesis.
1. Thomas E. McGinnis II. 1997. Factors of soil strength and shoreline movement in a Louisiana coastal marsh. Masters Thesis.

Graduate committees served, Louisiana State University (58)

58. Beth Boos. In progress. Using Plant Succession Processes to Guide Vegetation Establishment at Malheur Lake. M.S. Thesis.
56 Franklin Bonilla Torres. In progress. Development and testing of a computational multiphysics model to predict parameters affecting the safety characteristics of shrimp packaged in microporous film and for a meal. Ph.D. Dissertation.
55. Donny Davis. 2021. Plant Community Response to the Combined Effects of Elevation, and Simulated Nutrient and Sediment Loading in *Sagittaria Lancifolia*-Dominated Wetlands. M.S. Thesis.
54. Neha A Ghaisas. 2019. Iron mediated organic carbon preservation in a river influenced continental margin. Ph.D. Dissertation.
53. Andy T. Muench. 2018. Carbon Dioxide Fluxes and Plants Interactions across the Succession of a Created Brackish Marsh in Southwestern Louisiana. M.S. Thesis.
52. Kristin Elise DeMarco. 2018. Shifting niche space in coastal landscapes: spatio-temporal patterns driving submerged aquatic vegetation habitat distribution across the northern Gulf of Mexico. Ph.D. Dissertation.
51. Eva R. Hillmann. 2018. Analysis of submerged aquatic vegetation resources across the northern Gulf of Mexico: communities and biomass. Ph.D. Dissertation.
50. Clay Stroud. 2018. Relating diets and food availability to long-term population trends of lesser scaup wintering on Lake Pontchartrain, Louisiana. M.S. Thesis.
49. Stephanie Bernasconi. 2017. Eastern Oyster Physiological Responses to Acute and Chronic Exposure to Suspended Sediments. M.S. Thesis.
48. Andrew T. Muench. 2017. Carbon dioxide fluxes and plant interactions across the succession of a created brackish marsh in southwestern Louisiana. M.S. Thesis.
47. Kristy D. Capelle. 2016. Evaluating survival of released ranched American Alligator in coastal Louisiana. M.S. Thesis.

46. Phillip T. Westbrook. 2016. Bioassimilation, burial, and sediment denitrification at shallow-water and deep-water oyster reefs in two Louisiana estuaries. M.S. Thesis.
45. Marcus Rutherford. 2015. Analyzing site suitability for baldcypress (*Taxodium distichum*) regeneration along a hydrologic gradient in south louisiana swamps. M.S. Thesis.
44. Michelle A. Savolainen. 2015. A market-based approach for valuing ecosystem services on coastal properties. Ph.D. Dissertation (Department of Agricultural Economics and Agribusiness).
43 Bran Wagner. 2014. Non-thesis. Master of Natural Science.
42. Shea Miller. 2014. The effects of salinity and temperature on bioelectrical impedance analysis of gulf killifish, *Fundulus grandis*. M.S. Thesis.
41. Molly M. Rybovich. 2014. Growth and Mortality of Spat, Seed, and Market-Sized Oysters (*Crassostrea virginica*) in Low Salinities and High Temperatures. M.S. Thesis.
40. Lucien P. Laborde, Jr.. 2013. A contrast of hunter characteristics and attitudes between random and convenience samples in the 2010, 2012, and 2013 surveys of Louisiana waterfowl hunters. Ph.D. Dissertation.
39. Jacob F. Berkowitz. 2013. Incorporating Science-Based Approaches into the Rapid Assessment of Wetlands and Streams: Validation, Restoration Trajectory, and Method Development. Ph.D. Dissertation. (Oceanography and Coastal Sciences).
38. Michael Buxton. 2013. Effects of predator reduction on nest success of upland nesting ducks in low-grassland density landscapes in eastern North Dakota. M.S. Thesis.
37. Drew N. Fowler. 2013. Evaluating Abiotic Influences on Soil Salinity of Inland Managed Wetlands and Agricultural Fields in a Semi-Arid Environment. M.S. Thesis.
36. Bruce E. Davis. 2012. Habitat use, movements, and ecology of female mottled ducks on the gulf coast of Louisiana and Texas. Ph.D. Dissertation.
35. Jessica N. Furlong. 2012. Artificial oyster reefs in the northern gulf of mexico: management, materials, and faunal effects. M.S. Thesis.
34. Matthew K. Moerschbaecher. 2012. Energy, environment, and sustainability: a hierarchical analysis of south Louisiana. Ph.D. Dissertation. (Oceanography and Coastal Sciences).
33. Timothy Rosen. 2012. Long-term total suspended sediment yield of coastal louisiana rivers with spatiotemporal analysis of the Atchafalaya River Basin and delta complex. M.S. Thesis.
32. April BryantMason. 2012. Ph.D. Dissertation. Examining nitrogen dynamics in the Atchafalaya River with isotopic composition of nitrate. Ph.D. Dissertation.
31. Nicholas Yuknis. 2012. Soil accretion and organic carbon accumulation in the tidal salt marshes of the Liaohe Delta, China. M.S. Thesis. (Department of Environmental Science)
30. Sanjeev Joshi. 2012. Evaluation of Growth Rates and Establishment Patterns of Bald-cypress (Taxodium distichum) and Water Elm (Planera aquatica) as Indicators of Hydrologic Conditions at Catahoula Lake, Louisiana. M.S. Thesis.
29. Sung-Ryong Kang. 2011. Aquatic Macroinvertebrate and Nekton Community Structure in a Chenier Marsh Ecosystem: Implications for Whooping Crane Prey Availability. Ph.D. Dissertation.
28 Michelle Zapp Sluis. 2011. Variability in Red Snapper Otolith Microchemistry among Gulf of Mexico Regions. Ph.D. Dissertation. (Oceanography and Coastal Sciences).
27. Austin T. Humphries. 2010. Effects of habitat structural complexity on nekton assemblages: lab and field observations in southern Louisiana. M.S. Thesis.
26. John Gordon. 2010. Impacts of marsh loss and fragmentation on marsh edge use by estuarine nekton in southwestern Louisiana. M.S. Thesis.

25. Meya Voorhies Holloway. 2009. Moderating effects of knowledge, gender, and education on the relationship between environmental value orientation and support for Louisiana coastal restoration. M.S. Thesis.
24. Michael R. Lindsey. 2009. (Department of Agronomy and Environmental Management). Establishing Soil Compaction Thresholds for the M1A1 Abrams Tank at Camp Minden, Louisiana. Ph.D. Dissertation.
23. Biao Zhong. 2009. Spatial analyses of pedosphere carbon stock and sequestration potential in Louisiana's watersheds. Ph.D. Dissertation.
22. Jonathon Valente. 2009. Distribution and Habitat Characteristics of Breeding King Rails (*Rallus elegans*) and Other Marsh Birds in Natural, Restored and Agricultural Wetlands in Northeast Louisiana
21. Meya Holloway. 2009. Public perceptions in the Mississippi River drainage basin of the status and value of coastal wetlands in Louisiana. Masters Thesis.
20. Greg Steyer. 2008. (Department of Oceanography and Coastal Sciences). Assessing vegetation restoration assessment. Ph.D. Dissertation.
19. J.W. Cochran. 2008. Coarse woody debris characteristics of managed and unmanaged bottomland hardwood forests. Masters Thesis.
18. Sarah Barlow. 2006. Monitoring anuran richness and relative abundance in created wetlands of central Louisiana. Masters Thesis.
17. Jason Burke. 2006. Individual and population-level responses of bobwhites to selective herbicide use. Masters Thesis.
16. David M. Fox. 2006. Effects of insectivorous birds on tree growth in the Maurepas swamp. Masters Thesis.
15. Eric I. Johnson. 2006. Impacts of fire on habitat associations, abundance, and survival of wintering Henslow's sparrows (*Ammodramus henslowii*) in southeastern Louisiana longleaf pine savannas. Masters Thesis.
14. Christopher Pennington. 2006. (Department of Geography and Anthropology). Burn scar mapping in the Sabine NWR using Landsat and ETM imagery. Masters Thesis.
13. Dawn Shaffer. 2006. Swamp Tours in Louisiana Post Hurricane Katrina and Hurricane Rita: A Descriptive Study. Masters Thesis.
12. Greg Snedden. 2006 (Department of Oceanography and Coastal Sciences). River, tidal, and wind interactions in a deltaic estuarine system. Ph.D. Dissertation.
11. Michael J. Anteau. 2005. Nutritional ecology of lesser scaup during spring migration in the upper-Midwest: mechanisms and scope of the spring condition hypothesis. Ph.D. Dissertation.
10. Brian Gossman. 2005. Use of terraced marsh habitats by estuarine nekton in southwestern Louisiana. M.S. Thesis.
9. Sean Kinney. 2004. Estimating the population of greater and lesser scaup during winter in off-shore Louisiana. Masters Thesis.
8. Charles L. Kitts. 2004. Individual and landscape-level effects of selective herbicide application on habitat quality for northern bobwhite. Masters Thesis.
7. Daniel Scognamillo. 2005. Ecological, environmental, and spatial variables in the distribution and abundance of river otter (*Lontra canadensis*) populations in Louisiana: a spatially explicit model (SEM). Ph.D. Dissertation.
6. Julie A. Neer. (Dean's representative). 2005. (Department of Oceanography and Coastal Sciences). Utilizing bioenergetics and matrix projection modeling to quantify population

fluctuations in long-lived elasmobranchs: Tools for fisheries conservation and management. Ph.D. Dissertation.

5. Gregg Snedden. 2004. (Department of Oceanography and Coastal Sciences). Forcing Mechanisms Governing Low-Frequency Variability in Estuaries of the Mississippi River Deltaic Plain. Ph.D. Dissertation.
4. Bush, C.S. 2003. Nekton utilization of restored habitat in a southwest Louisiana marsh. Masters Thesis.
3. Kris S. Davis. 2003. Diet similarity of pen-raised versus native, Louisiana white-tailed deer in southeastern Louisiana. Masters Thesis.
2. Sarai Kanouse. 2003. Nekton use and growth in three brackish marsh pond microhabitats. Masters Thesis.
1. Joseph M. McGowan. 2003. Habitat assessment and subspecies identification of sandhill cranes wintering in Louisiana. Masters Thesis.

Graduate committees served, University of Louisiana at Lafayette (5)

5. Angela K. Burcham. in progress. The interactive effects of environmental stress and fungal infection on the growth and survival of *Spartina* in coastal Louisiana. Ph.D. Dissertation.
4. Nicole Cormier. 2003. Belowground productivity in mangrove forests of Pohnpei and Kosrae, Federated States of Micronesia. Masters Thesis.
3. Leigh Anne Phillips. 2002. Vertical accretion and marsh elevation dynamics on the Chenier Plain, Louisiana. Masters Thesis.
2. John D. Foret. 2001. Nutrient limitation of tidal marshes on the Chenier Plain, Louisiana. Ph.D. Dissertation.
1. Sue Bhattacharyya. 1999. Toxicity to freshwater organisms from oil spill and oil spill chemical responses in laboratory microcosms. Masters Thesis.

2. Participation in Professional Meetings, Symposia, Workshops, and Conferences on Teaching

Dean's Conference on Teaching, 2007 (attendee)
Dean's Conference on Teaching, 2006 (attendee)
Dean's Conference on Teaching, 2005 (attendee)
Centers for Ocean Sciences Education Excellence, Louisiana Teacher/Scientist Institute, Cocodrie, Louisiana, 20-25 June, 2004. The goals of these week-long, residential workshops are to: promote the development of effective partnerships between research scientists and educators; to disseminate effective ocean sciences programs and the best practices that do not duplicate but rather build on existing resources; and to promote a vision of ocean education as a charismatic, interdisciplinary vehicle for creating a more scientifically literate workforce and citizenry.
Dean's Conference on Teaching, 2004 (attendee)
Dean's Conference on Teaching, 2003 (attendee)
Dean's Conference on Teaching, 2002 (attendee)
6 hours, Center for Faculty Development, Louisiana State University, 1993-1994.

3. Other Instructional Activities or Contributions to the Profession.

New Courses Developed

2071 HONORS: Principles of Wildlife Management (4) S *Prereq RNR 2071 or permission of instructor. Credit will not be given for this course and RNR 2031. Same as RNR 2031, with special honors emphasis for qualified students.* Population management, habitat management, and policy associated with wildlife management. Sustainability of hunting and of endangered wildlife species. Indirect effects of toxins, eutrophication, human infrastructure, and climate change on wildlife habitat and wildlife populations. [This course was created in the spring of 2011 and probably will be offered for the first time in the spring of 2013.]

RNR 3108 Case Studies in Habitat Restoration (2) S Prereq.: RNR 2101, 1 hr. lecture, 3 hr. lab, 2 weekend field trips. Students are responsible for paying for travel expenses associated with this course. The general university drop/add dates do not apply because this is an 8-week course. The instructor will provide students with the drop/add dates established by the University Registrar. Principles related to the context, planning, design, and implementation of habitat restoration and mitigation; evaluation of habitat restoration efforts using the case study method. [This course has been taught annually since 2006. In 2010, I incorporated a Service-Learning component.]

RNR 4101, Integrated Natural Resources Management and Policy (developed with M.J. Stine and S. J. Chang). (4) S Prereq.: RNR 4039 and senior status in School of Renewable Natural Resources. 2 hrs. lecture; 4 hrs. lab. Students are responsible for paying for travel expenses associated with this course. Development of problem solving skills for the management of renewable natural resources; application and integration of renewable natural resource management theory, policy and practices; analysis of management and policy decisions. [I co-teach this course, which is our capstone course, in a manner that requires all instructors at most meetings and field trips. We've taught this course annually since 2005.]

RNR 7017, Restoration and Management of Wetland Function. (4) F-O 2 hrs. lecture, 3 hrs. lab. 2 weekend field trips. Transportation Fee. Prereq: consent of instructor. Wetland ecology with a focus on functions valued by society; natural history of commonly managed wetland types; fundamentals of restoration ecology; wetland restoration programs in theory and in practice. [I co-teach this course in a manner that requires both instructors at most meetings and field trips. We taught this four times (fall 2002, fall 2004, fall 2006, fall 2007) as RNR 7029 (Advanced Topics in Renewable Natural Resources) before being approved as RNR 7017 and taught in fall 2009 and 2011.]

New Areas of Concentration Developed (undergraduate)

Wetland Science (within the Natural Resource Ecology and Management major). See http://www.rnr.lsu.edu/StudentInformation/DegreePrograms/BS_NREM.htm. Enrollment in this undergraduate AOC has increased slowly since its inception in 2004.

New Minor Developed (Graduate)

Interdisciplinary Minor in Wetland Ecology and Restoration. This graduate minor was created in 2011 and is too new to have enrollment statistics. It is based on graduate coursework in the

School of Renewable Natural Resources; the School of Plant, Environmental and Soil Sciences; and the Department of Biological Engineering. It is intended eventually to encompass all academic units offering more than six hours of graduate wetland courses.

4. Awards, Lectureships, or Prizes

Teaching Merit Honor Roll. 2008. College of Agriculture and the Louisiana State University Chapter of The Honor Society of Agriculture Gamma Sigma Delta.

Teaching Merit Honor Roll. 2007. College of Agriculture and the Louisiana State University Chapter of The Honor Society of Agriculture Gamma Sigma Delta.

Certificate for Dedication to Instruction of Freshmen Students. Fall 2004. Alpha Lambda Delta Freshman Honor Society.

5. Teaching Support/Grant Activities

Service Learning Faculty Scholar Stipend. $1,000. The goals of the award are to deepen the level of service-learning scholarship at LSU and to encourage a continued University-wide commitment to service-learning scholarship. Spring, 2010.

Field Trip Support for Graduate Wetland Training in the School of Renewable Natural Resources. J.A. Nyman, $1,000, funded by Natural Resource Professionals, LLC.

Using Ecological Simulation Models to Teach Renewable Resource Management. S.J. Chang, J.A. Nyman, D.A. Rutherford, and M. Stine. $6,886, funded by Student Tech Fee program, spring 2003. Proposal Summary: Simulation models are mathematical tools used to understand and predict the behavior of real systems. Simulation modeling was formerly limited to research scientists with access to supercomputers but is increasingly used in business, classrooms, and resource management agencies. Although used at other universities, simulation models are uncommon teaching tools at LSU's School of Renewable Natural Resources. We proposed to increase student participation in the learning process by incorporating simulation models into two of the five core courses recently developed for students majoring in Forestry and in Wildlife and Fisheries (RNR 2031: Principles of Wildlife Management, and RNR 4101:Integrated Natural Resources Management and Policy). Funds were requested ($4,711) to purchase four faculty versions of model-construction software, 14 student versions of that software, and 13 copies of introductory documentation. The 14 student versions were installed on computers in the undergraduate computer lab in the SRNR (room 214).

John R. White, Professor

John and Catherine Day Professor in Oceanography & Coastal Sciences
Department of Oceanography & Coastal Sciences
College of the Coast & Environment
Louisiana State University, Baton Rouge, LA 70803
Office phone: (225) 578-8792; Fax: (225) 578-6423; Email: jrwhite@lsu.edu

Educational background

1999	Ph.D. Soil & Water Science	University of Florida, FL
1993	M.S. Coastal Zone Management	Florida Institute of Technology, FL
1992	M.S. Geological Oceanography	Florida Institute of Technology, FL
1988	B.S. Geology	Washington & Lee University, VA

Research Expertise: Wetland Ecosystem Function, Wetland Biogeochemistry, Blue Carbon; Water Quality

Peer reviewed publications (6 of 124 total) * = student of JRW

White, J.R., Couvillion, B., Day, J.W. 2023. Coastal Wetland Area Change for Two Freshwater Diversions in the Mississippi River Delta. Ecological Engineering. 185:106814.

Hunter, R, R.R. Twilley, A. Freeman, B. Couvillion, T. Quirk, N. Jafari, G. Mariotti, C. Norman, G.P. Kemp**, J.R. White**, E. Meselhe. 2023. Concept of Land Bridge Marshes in the Mississippi River Delta and Implications for Coastal Restoration. Nature-Based Solutions. 3: 100061.

*Sapkota, Y., **J.R. White**, K. Xu, K. Maiti, P.W. Inglett. 2023. Temporal variability in soil organic matter accretion rates in coastal deltaic wetlands under changing depositional environments. Soil Science Society of America Journal 87:2, 390-403.

*Cheng, J. and **White, J.R**. 2022. Dredge-Material Created Coastal Marshes are More Effective at Improving Water Quality Than Natural Marshes in Early-Stage Development. Ecological Engineering. 185:106814.

*Bowes, K., **J.R. White**, K. Maiti and E. Meselhe. 2022. Surface Water Temperature Impacts on Denitrification: Implications for River Reconnection. Science of the Total Environment. 828: 154397

White, J.R., R.D. DeLaune, D. Justic, J. Pahl, J. Day, R. Lane, W. Boynton, R.R. Twilley. 2019. Consequences of Mississippi River Diversions on Nutrient Dynamics of Coastal Deltaic Wetland Soils and Estuarine Sediments: A Review. Estuarine, Coastal and Shelf Science. 224: 209-216.

Presentations *= international - all listed given by JRW - 6 of 60+ as presenter

*Impact of High Relative Sea Level Rise on Nutrient Biogeochemistry of Coastal Wetlands. J.R. White, L.G. Chambers WETPOL – International conference on wetlands for pollution control. Invited Keynote. Bruges, Belgium. September 10, **2023** - Upcoming

*Phosphorus Cycling Impacted by River-Reconnection in the Coastal Zone. International Conference on Biogeochemistry of Trace Metals. Invited Keynote, Wuppertal, Germany. September 6-10, **2023** - Upcoming

Wetland Area Change linked to River Reconnection for Coastal Restoration. J.R. White, J.W. Day, B. Couvillion, R. Corstanje, A, Spera, P. Miller. Society of Wetland Scientist Annual Meeting, Spokane, WA, June 26-30, **2023**.

Trajectory of Ecosystem Services Linked to Soil Physiochemical and Microbial Processes in Created Coastal Wetlands: Uncertainty for C Credit and Water Quality Credit Markets. J.R. White, E. Knaus. J. Cheng. ASA, CSSA, SSSA International Annual Meeting, Salt Lake City, UT. Nov 7-10, **2021.**

Data Driven Innovations in Coastal Resilience Assessment: USA and UK Perspectives. AAAS Meeting, Seattle, WA, February 13-16, **2020**.

*Fate of Coastal Wetland Soil Carbon Under High Relative Sea Level Rise: Implications for Future Global Carbon Budgets J.R. White, Y. Sapkota, R.L. Cook, L. Chambers. 8th International Symposium on Wetland Pollutant Dynamics and Control Aarhus University, Denmark, June 17-21, **2019**

Funded Research Projects (4 of 46 total projects) – 5+ million dollars total

2023-2026 - U.S. Army Corp of Engineer – ERDC. Evaluating Restored Wetland Biogeochemical Cycling following Thin-Layer Sediment Introduction. P.I. J.R. White

2023-2025 – U.S. Geological Survey. Linking Watershed Phosphorus Discharge and Legacy Sediment to Climate Variability and Occurrence of Harmful Algal Blooms. P.I. J.R. White, Co. PI. Sibel Bargu.

2021-2023 - The Water Institute of the Gulf - Restore Act Center of Excellence. Dynamics of N and P cycling across Barataria Basin. M.S. Student Assistantship. P.I. J.R. White

2021-2024 – LA Coastal Protection and Restoration Authority – Coastal Science Assistantship Program. How will Sediment Diversions affect wetland soil salinity and microbial processes supporting plant growth and water quality improvement, P.I. J.R. White

Awards/Service

Department of Energy - COMPASS Review Panel 2023
US Environmental Protection Agency – Board Scientific Counselors – Executive Committee 2022 - present
National Wetlands Award – Research, Environmental Law Institute, Washington, DC 2022
Mississippi- Alabama Seagrant Review Panel, virtual (6 proposals) 2021
Texas Sea Grant– Review Panel, Houston, TX (8 proposals) 2019
USEPA - Board of Scientific Counselors - Safe and Sustainable Water Resources 2017-2022
Dean's Outstanding Service Award College-level award 2018
Fellow: Soil Science Society of America; (highest recognition by society) 2017
National Science Foundation – Panel, Washington DC (18 Proposals) 2016

Students

Supervised a total of 34 MS and Ph.Ds conducting research on primarily wetland systems; currently supervising an additional 4 more (in progress).

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 12, 2023

REQUEST FOR FINAL TRANSFER OF THE LONG POINT BAYOU MARSH CREATION (CS-85) PROJECT

For Decision:

EPA and CPRA are requesting the Task Force consider the Technical Committee's recommendation to approve final 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.

November 2021
Cost figures as of: May 2023

Long Point Bayou Marsh Creation (CS-85)

Project Status

Approved Date: 2019 **Project Area:** aaaArea
Approved Funds: $2.29 M **Total Est. Cost:** $13.0 M
Net Benefit After 20 Years: 311 acres
Status: Engineering and Design
Project Type: Marsh Creation
PPL #: 28

Location

Region 4, Calcasieu/Sabine Basin, Cameron Parish, approximately 4 miles south of Hackberry between LA Highway 27 and Calcasieu Ship Channel.

Problems

The project area is in an area that has been influenced by saltwater intrusion, increased water fluctuations and erosion. Human alterations have disrupted the hydrologic processes which contributed to wetland building and maintenance, while subsidence and sea level rise continues. Almost all fresh marsh was converted to intermediate and brackish by the late 1970s due to saltwater intrusion and increased tidal influence. Land loss rates within the project area now show a positive trend; the experimental land change analysis conducted by USGS for the extended project boundary shows a land gain of +0.46% per year (1985 to 2020) in the project area. Historical topographic maps show that the area was nearly all land in 1955.

Photo of project site taken on May 8th, 2018.

Restoration Strategy

This project will create/nourish 395 acres of marsh approximately 4 miles south of Hackberry, north of and including portions of the Sabine National Wildlife Refuge, east of Highway LA 27, and west of the Calcasieu Ship Channel near Mile 11. This project will beneficially use dredged material from the Calcasieu Ship Channel between River Miles 5-17 placed into shallow open water sites within the project area. Constructed containment dikes would be breached/gapped and/or degraded, as needed, to provide tidal exchange after fill materials settle and consolidate. The project would create 311 acres of marsh, nourish at least 76 acres of existing fragmented marsh, and create 8 acres of tidal creeks. A target fill elevation of +2.75 feet (NAVD88) is envisioned to enhance longevity of this land form. Additionally, 198 acres of vegetative plantings will be included. The Environmental Protection Agency's strategic plan goals include "Work with partners to protect and restore wetlands and coastal and ocean water resources." In addition, this project would restore habitat potentially used by the saltmarsh topminnow, which is petitioned/proposed for Federal listing as threatened/endangered species, and the threatened black rail. The project may also benefit neotropical migratory birds.

Progress to Date

The project was approved for Phase 1 Engineering and Design in February 2019. The 30% and 95% design reviews were conducted on March 31, 2021, and September 28, 2021, respectively. The project is expected to compete for Phase 2 Construction funding in December 2021.

This project is on Priority Project List 28.

For more information, please contact:

Federal Sponsor:
U.S. Environmental Protection Agency
Dallas, TX
(214) 665-6722

Local Sponsor:
Coastal Protection and Restoration Authority
Baton Rouge, LA
(225) 342-4733

Long Point Bayou Marsh Creation (CS-85)

Marsh Creation *

Project Boundary

*denotes proposed features

USGS science for a changing world

Louisiana

Project Location

N

0.25 0 0.25 0.5 Kilometers

0.25 0 0.25 0.5 Miles

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 CIR

Map Date: August 3, 2021
Map ID: USGS-NWRC 2021-11-0026
Data accurate as of: July 1, 2021

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,

[redacted]

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

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT
7400 LEAKE AVENUE
NEW ORLEANS LA 70118-3651

JUL 14 2023

Programs and Project Management Division
Projects and Restoration Branch

The Honorable Bill Cassidy
United States Senate
520 Hart Senate Office Building
Washington, DC 20510-1805

The Honorable John Kennedy
United States Senate
416 Russell Senate Office Building
Washington, DC 20510-1805

Dear Senator Cassidy and Senator Kennedy:

The Louisiana Coastal Wetlands Conservation and Restoration Task Force is initiating procedures to transfer the Long Point Bayou Marsh Creation (CS-85) project (CS-85 Fact Sheet Enclosure 1) from the Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA) Program to the National Resource Damage Assessment (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. This transfer is being considered based on the request dated March 16, 2023 (Enclosure 2) from the Federal project sponsor, the U.S. Environmental Protection Agency (EPA), and the local project sponsor, the Louisiana Coastal Protection and Restoration Authority (CPRA).

The CS-85 project was approved in the November 2021 Damage Assessment and Restoration Plan and Environmental Assessment as one of several restoration actions chosen to compensate the public for injuries from the 2006 CITGO oil spill. Since the project is being funded through an alternate funding source, NRDA, the project has ceased expending CWPPRA funds. The transfer of the CS-85 project allows for the return of any unused CWPPRA funds to the CWPPRA program for other uses. This 28th Priority Project List project is located in Region 4, within the Calcasieu/Sabine Basin of Cameron Parish in Louisiana Senate District 25 and Louisiana House District 47.

The Task Force will make a final decision on the transfer at the next CWPPRA Task Force meeting, which is scheduled for October 5, 2023. However, prior to making a final decision, the Task Force will consider any written comments received regarding the

request to transfer the CS-85 project. Written comments should be provided within 30 days of the date of this letter to the following address:

Colonel Cullen A. Jones, P.E., PMP
District Commander
U. S. Army Corps of Engineers, New Orleans District
7400 Leake Avenue
New Orleans, LA 70118

If you need further information, please contact Mr. Mark R. Wingate, P.E., Deputy District Engineer for Programs and Project Management, at Mark.R.Wingate@usace.army.mil or (504) 862-2204.

Sincerely,

[redacted]

Cullen A. Jones, P.E., PMP
Colonel, U.S. Army
Commanding

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 12, 2023

REQUEST FOR FINAL TRANSFER OF THE BAYOU LA LOUTRE RIDGE AND MARSH RESTORATION (PO-178) PROJECT TO THE NRDA LA TRUST IMPLEMENTATION GROUP (TIG)

For Decision:

CPRA and NRCS request the CWPPRA Task Force consider the Technical Committee's recommendation to approve final 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.

November 2020

Cost figures as of: May 2023

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

Project Status

Approved Date: 2017 **Project Area:** 460 acres
Approved Funds: $3.23 M **Total Est. Cost**: $29.7 M
Net Benefit After 20 Years: 203 acres
Status: Engineering and Design
Project Type: Marsh Creation
PPL #: 26

Location

Region 1, Lake Pontchartrain Basin and Breton Basin, St. Bernard Parish

Problems

Historic and current ridge habitat loss occurs in the form of subsidence and shoreline erosion along Bayou La Loutre. The shoreline erosion is caused by increased boat traffic diverted due to the closure of the MRGO channel. Ridge habitat consists of Live Oak Hackberry Maritime forest which 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-Most Critically Imperiled (State Natural Heritage Program) and S2 priority by the state of Louisiana. Interior marsh loss along Lena Lagoon is caused by subsidence, sediment deprivation, increased wave fetch and construction of access and navigational canals. The integrity of the Lena Lagoon shoreline has been breached, and loss of this wetland buffer will expose the La Loutre ridge to highly erosional winter storm events.

Restoration Strategy

The goal of the project is to create an approximately 31.7 acre ridge feature with material from bucket dredging Bayou La Loutre. Additionally dredged material from Lake Borgne will create 163 acres of marsh and nourish approximately 258 acres of marsh along Lena Lagoon (421 acres total).

The proposed project will create approximately 5.25 miles (27,471 ft) of ridge along Bayou La Loutre and 19.4 acres of Live Oak/Hackberry Maritime forest habitat. The ridge habitat will be built centerline along the bank of the bayou. The structure will have a +5 elevation with 5:1 slope. Additionally the newly created ridge will include herbaceous and woody plantings with smooth cord plantings along the toe. The Lena Lagoon site will create and nourish approximately 421 acres of marsh using sediment dredged from Lake Borgne. Containment will be degraded as necessary to re-establish hydrologic connectivity with adjacent wetlands.

View of marsh area and remnants of trees that once stood on adjacent historic ridges that have significantly subsided.

Progress to Date

This project was approved for Phase I Engineering and Design in January 2017.

This project is on Priority Project List (PPL) 26.

For more information, please contact:

Federal Sponsor:
Natural Resources Conservation Service
Alexandria, LA
(318) 473-7756

Local Sponsor:
Coastal Protection and Restoration Authority
Baton Rouge, LA
(225) 342-4733

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

0.5 0 0.5 1 Kilometers

0.5 0 0.5 1 Miles

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 22, 2020

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,

[redacted]

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

DEPARTMENT OF THE ARMY
U.S. ARMY CORPS OF ENGINEERS, NEW ORLEANS DISTRICT
7400 LEAKE AVENUE
NEW ORLEANS LA 70118-3651

JUL 14 2023

Programs and Project Management Division
Projects and Restoration Branch

The Honorable Bill Cassidy
United States Senate
520 Hart Senate Office Building
Washington, DC 20510-1805

The Honorable John Kennedy
United States Senate
416 Russell Senate Office Building
Washington, DC 20510-1805

Dear Senator Cassidy and Senator Kennedy:

The Louisiana Coastal Wetlands Conservation and Restoration Task Force is initiating procedures to transfer the Bayou La Loutre Ridge and Marsh Restoration (PO-178) project (PO-178 Fact Sheet Enclosure 1) from the Coastal Wetlands Planning, Protection, and Restoration Act (CWPPRA) Program to the National Resource Damage Assessment (NRDA) Louisiana Trustee Implementation Group (LA TIG). This transfer is being considered based on the request dated April 6, 2023 (Enclosure 2) from the Federal project sponsor, the Natural Resource Conservation Service (NRCS), and the local project sponsor, the Louisiana Coastal Protection and Restoration Authority (CPRA).

The PO-178 project is expected to be implemented by other funding sources through NRDA. The transfer of the PO-178 project allows any unused CWPPRA funds to be returned to the CWPPRA program for other use. This 26th Priority Project List project is primarily located in Region 1, within the Pontchartrain basin portion of St. Bernard Parish in Louisiana Senate District 1 and Louisiana House District 103.

The Task Force will make a final decision on the transfer at the next Task Force meeting, which is scheduled for October 5, 2023. Prior to making a final decision, the Task Force will consider written comments on the request to transfer the PO-178 project. Written comments should be provided within 30 days of the date of this letter to the following address:

Colonel Cullen A. Jones, P.E., PMP
District Commander
U. S. Army Corps of Engineers, New Orleans District
7400 Leake Avenue
New Orleans, LA 70118

If you need further information, please contact Mr. Mark R. Wingate, P.E., Deputy District Engineer for Programs and Project Management, at Mark.R.Wingate@usace.army.mil or (504) 862-2204.

Sincerely,

[redacted]

Cullen A. Jones, P.E., PMP
Colonel, U.S. Army
Commanding

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 12, 2023

REQUEST FOR INACTIVATION OF BS-24 TERRACING AND MARSH CREATION SOUTH OF BIG MAR

For Decision:

FWS and CPRA request the Task Force consider the Technical Committee's recommendation to inactivate the Terracing and Marsh Creation South of Big Mar Project (BS-24). As part of an effort to reduce the backlog of projects currently in Phase 1, the project is no longer considered consistent with the State Coastal Master Plan.

November 2021
Cost figures as of: August 2023

Terracing and Marsh Creation South of Big Mar (BS-24)

Project Status

Approved Date: 2013 **Project Area:** aaaArea
Approved Funds: $2.30 M **Total Est. Cost:** $23.6 M
Net Benefit After 20 Years: 322 acres
Status: Engineering and Design
Project Type: Marsh Creation and Terracing
PPL #: 22

Location

About 5 miles south of Violet, LA in Region 2, Breton Sound Basin in Plaquemines Parish, south of Big Mar and west of Lake Lery.

Problems

From 1932 to 1990, the Caernarvon Mapping Unit lost 14,240 acres of its marsh. Prior to Hurricane Katrina, the greatest loss documented occurred between 1956 and 1974 and coincided with Hurricane Betsy and extensive canal building. Hurricane Katrina devastated the area resulting in substantial marsh loss. According to USGS Open File Report (2006-1274), approximately 39 square miles of marsh around the upper and central portions of Breton Sound were converted to open water by storm related scouring or submergence of the marsh. Because the framework of the marsh has been degraded, suspended sediments provided by the diversion move through the system and fall out where velocities are reduced such as in Big Mar and Lake Lery.

Restoration Strategy

The goal is to create terraces in the shallow open water area south of Big Mar within the Caernarvon Diversion outfall area. Terraces will reduce wave fetch in the large open water areas and promote conditions conducive to growth of marsh vegetation and submerged aquatic vegetation. Additional benefits may be achieved through capturing suspended sediments. Marsh creation is also proposed to reestablish the western shoreline of Lake Lery in association with the Lake Lery Shoreline Restoration Project (BS-16).

Approximately 21,500 linear feet of terraces (19 acres) will be constructed with in-situ material to reduce fetch and turbidity and capture suspended sediment. Sediments will be hydraulically dredged from Lake Lery and pumped via pipeline to create and restore approximately 392 acres of marsh in the project area

What was once a healthy marsh platform defining the western Lake Lery shoreline has converted to open water. Continued marsh loss in this area will jeopardize the structural integrity of the Lake affecting the overall ecosystem functions within the Caernarvon outfall area.

Progress to Date

Engineering and Design is complete, and phase II construction funds will be requested in December 2021.

This project is on Priority Project List 22.

For more information, please contact:

Federal Sponsor:
U.S. Fish and Wildlife Service
Lafayette, LA
(337) 291-3100

Local Sponsor:
Coastal Protection and Restoration Authority
Baton Rouge, LA
(225) 342-4733

Recommended for **Inactivation**

Project: BS-24 Terracing and Marsh Creation South of Big Mar

PPL: 22

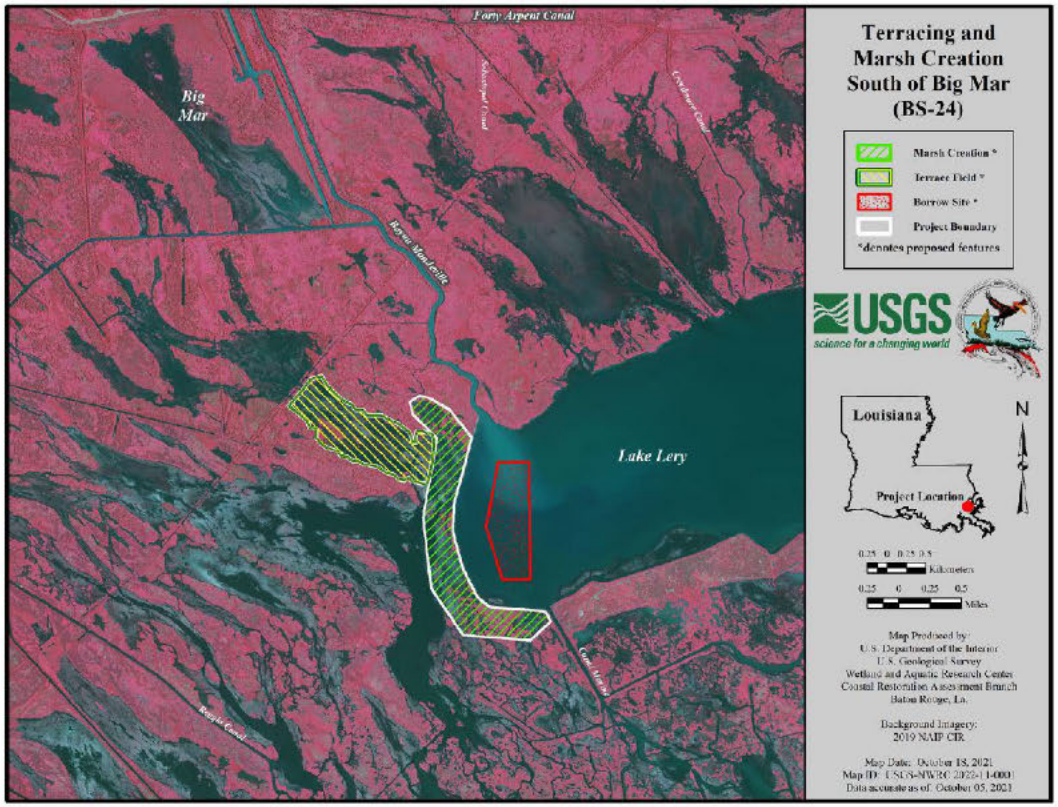
Federal Sponsor: FWS

Project Location: Breton Sound Basin, West of Lake Lery

Date of 95% Design: October 2016

Project Features:

- 392 acres of marsh creation
- 21,500 LF of terraces



Recommended for **Inactivation**

Project: BS-24 Terracing and Marsh Creation South of Big Mar

Fully Funded Cost: $26,215,927

Total Approved Budget:
$2,308,599 – Phase 1 E&D

Funds Remaining: $709,133

Reason for Inactivation:

- Effort to Reduce Project Backlog
- Deemed Inconsistent with 2023 State Coastal Master Plan
- Not Eligible for State Cost Share

TASK FORCE MEETING

OCTOBER 12, 2023

REQUEST FOR INACTIVATION OF THE OYSTER LAKE MARSH CREATION AND NOURISHMENT PROJECT (CS-79) PROJECT

For Report/Decision:

NMFS and CPRA request the Task Force consider the Technical Committee's recommendation to initiate inactivation of the Oyster Lake Marsh Creation and Nourishment Project (CS-79) because of design changes and increasing backlog of more cost-effective projects with limited program funds for construction.

November 2020
Cost figures as of: August 2023

Oyster Lake Marsh Creation and Nourishment (CS-79)

Project Status

Approved Date: 2016 **Project Area:** 413 acres
Approved Funds: $3.60 M **Total Est. Cost**: $38.0 M
Net Benefit After 20 Years: 250 acres
Status: Engineering and Design
Project Type: Marsh Creation
PPL #: 25

Location

The project is located immediately south of Calcasieu Lake and west of the Calcasieu Ship Channel in Regional Planning Unit No. 4, Calcasieu-Sabine Basin, Cameron Parish, Louisiana.

Problems

Altered hydrology, drought stress, and saltwater intrusion have caused the area to undergo interior marsh breakup. Impacts from Hurricane Rita in 2005, Hurricane Ike in 2008, and recently Hurricane Laura in 2020 have resulted in the coalescence of Oyster Lake with interior water bodies increasing wave/wake related erosion. Based on USGS hyper-temporal data analysis (1984 to 2019), land loss rate for the area is -0.52% per year. The subsidence rate is estimated at 4.3 mm per year or 0.28 feet per 20 year project life.

Restoration Strategy

The specific goals of the project are: 1) Create 255 acres of saline marsh; 2) Nourish 158 acres of existing saline marsh, and (3) Maximize the amount of time the created marsh platform is intertidal throughout the 20 year design life of the project.
This project will construct approximately 383 ac of marsh with confined disposal marsh creation and 30 ac with unconfined disposal marsh creation. Four marsh creation areas will have temporary containment dikes constructed to contain the fill, and one marsh creation area will be unconfined. In order to achieve these goals, sediment would be hydraulically dredged from an offshore disposal area to create approximately 413 acres of saline marsh. Disposal areas would be constructed next to the Oyster Bayou Restoration Project (CS-59) marsh creation areas and terrace field depicted on the concept map (yellow polygon).

Example of the shallow open water receiving areas within the Oyster Lake project.

Progress to Date

This project was approved for Phase I Engineering and Design in January 2016.

This project is on Priority Project List 25.

For more information, please contact:

Federal Sponsor:
National Marine Fisheries Service
Baton Rouge, LA
(225) 389-0508

Local Sponsor:
Coastal Protection and Restoration Authority
Baton Rouge, LA
(225) 342-4733

Recommended for Inactivation

Project: Oyster Lake Marsh Creation and Nourishment (CS-79)

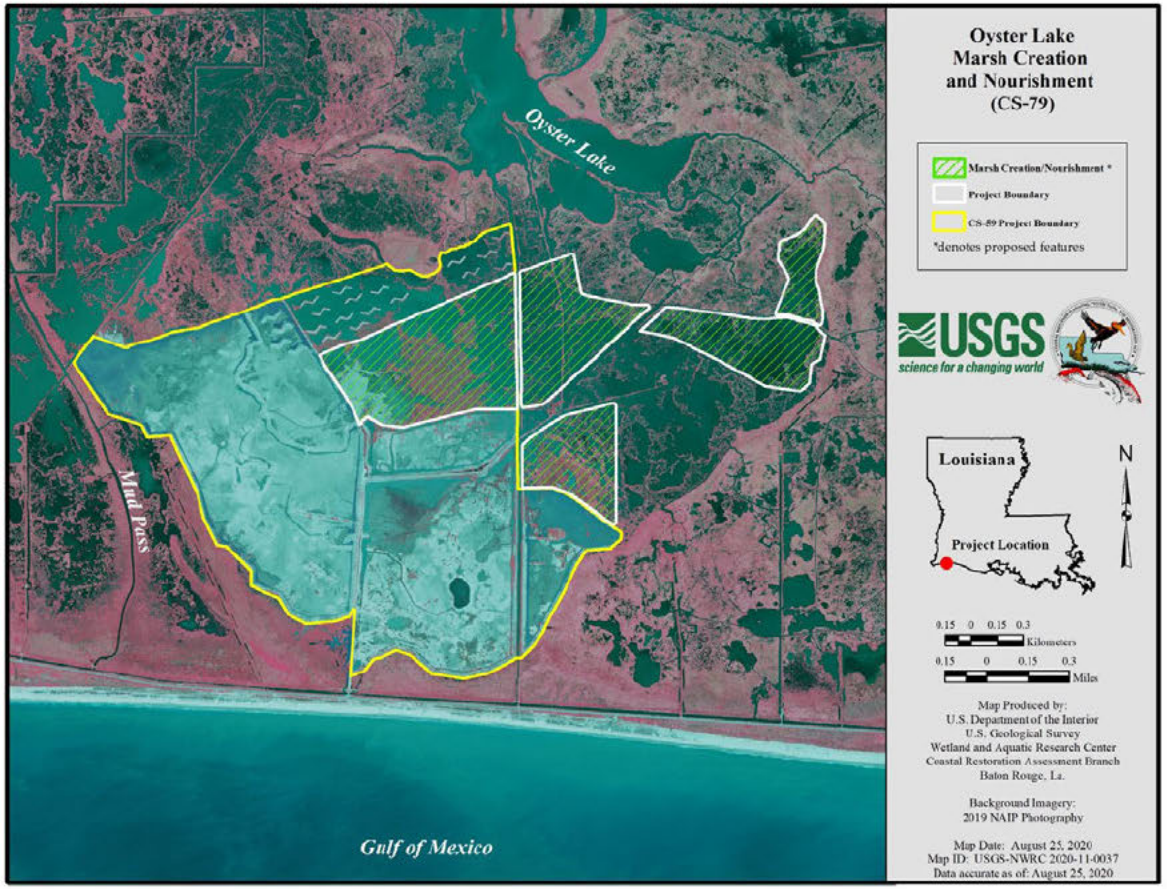
PPL: 25

Federal Sponsor:
NOAA

Project Location:
Cameron Parish

Date of 95% Design:
10/2020

Project Features:
413 acres of marsh creation and nourishment



Recommended for Inactivation

Project: Oyster Lake Marsh Creation and Nourishment (CS-79)

Fully Funded Cost:
$38,073,046

Total Approved Budget:
$3,608,939

Funds Remaining:
$2,285,947 (Federal and State match)

Reasons for Inactivation:

- Design changes resulting in project acreage reduction
- Cost increases from inflation and construction item quantity increases
- Increasing backlog of more cost-effective projects with limited program funds for construction

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 12, 2023

INITIAL DEAUTHORIZATION OF TE-157 EAST CATFISH LAKE MARSH CREATION AND SHORELINE PROTECTION

For Decision:

FWS and CPRA request the Task Force consider the Technical Committee's recommendation to initiate deauthorization of the East Catfish Lake Marsh Creation and Shoreline Protection Project (TE-157). As part of an effort to reduce the backlog of projects currently in Phase 1, the project is no longer considered consistent with the State Coastal Master Plan.

November 2020
Cost figures as of: August 2023

East Catfish Lake Marsh Creation and Shoreline Protection (TE-157)

Project Status

Approved Date: 2020 **Project Area:** 306 acres
Approved Funds: $3.37 M **Total Est. Cost**: $42.2 M
Net Benefit After 20 Years: 248 acres
Status: Engineering and Design
Project Type: Marsh Creation
PPL #: 29

Location

The project is located in Region 3, Terrebonne Basin, Terrebonne Parish.

Problems

Significant marsh loss has occurred east and south of Catfish Lake. Causes of marsh loss include the construction of numerous oil/gas canals, subsidence, and sediment deprivation. Between Catfish Lake and the South Lafourche Hurricane Protection Levee, very little marsh remains after the construction of an extensive network of oil/gas canals. Much of the remaining land in this area consists of spoil banks and isolated patches of marsh. From examination of aerial photography, the majority of this loss occurred during the 1960s and 1970s. Based on the hypertemporal analysis conducted by USGS for the extended project boundary, the land loss rate in the project area is -0.86% per year for the period 1984 to 2019. Shoreline erosion rates (1998-2017) range from 10 ft/yr along the eastern lake shoreline to 22ft/yr along the southern lake shoreline.

Restoration Strategy

The primary goal of this project are; 1) restore marsh habitat in the open water areas east and south of Catfish Lake, and 2) restore and protect the eastern and southern Catfish Lake shoreline. The specific goals of this project are; 1) create 235 acres of marsh, 2) nourish 71 acres of marsh, 3) protect the marsh creation cells from shoreline erosion.

Service goals include restoration/protection of habitat for threatened and endangered species and other at-risk species. This project would restore habitat potentially utilized by the black rail, which is proposed for listing as a threatened species. The project could also benefit other species of concern including the saltmarsh topminnow and seaside sparrow.

Sediment from Catfish Lake will be hydraulically dredged and pumped via pipeline to create/nourish 306 acres of marsh. Dewatering and compaction of dredged sediments should produce elevations conducive to the establishment of emergent marsh and within the intertidal range. Containment dikes will be constructed around each marsh creation cell. Where practicable, material will be borrowed from perimeter oil/gas canals. Containment dikes will be gapped at the end of construction or by TY3. Approximately 2,566 linear feet of sheet pile wall will also be installed as a containment feature. Approximately 12,479 linear feet of shoreline protection (gabion mattresses) will be installed along the lakeside boundary of the marsh creation cells on the constructed containment dikes.

Progress to Date

The project was approved for Phase I Engineering and Design in January 2020.

The project is on Priority Project List (PPL) 29.

Aerial view of marsh creation project in Terrebonne Basin.

For more information, please contact:

Federal Sponsor:
U.S. Fish and Wildlife Service
Lafayette, LA
(337) 291-3100

Local Sponsor:
Coastal Protection and Restoration Authority
Baton Rouge, LA
(225) 342-4736

Recommended for Deauthorization

Project: TE-157 East Catfish Lake Marsh Creation and Shoreline Protection

PPL: 29

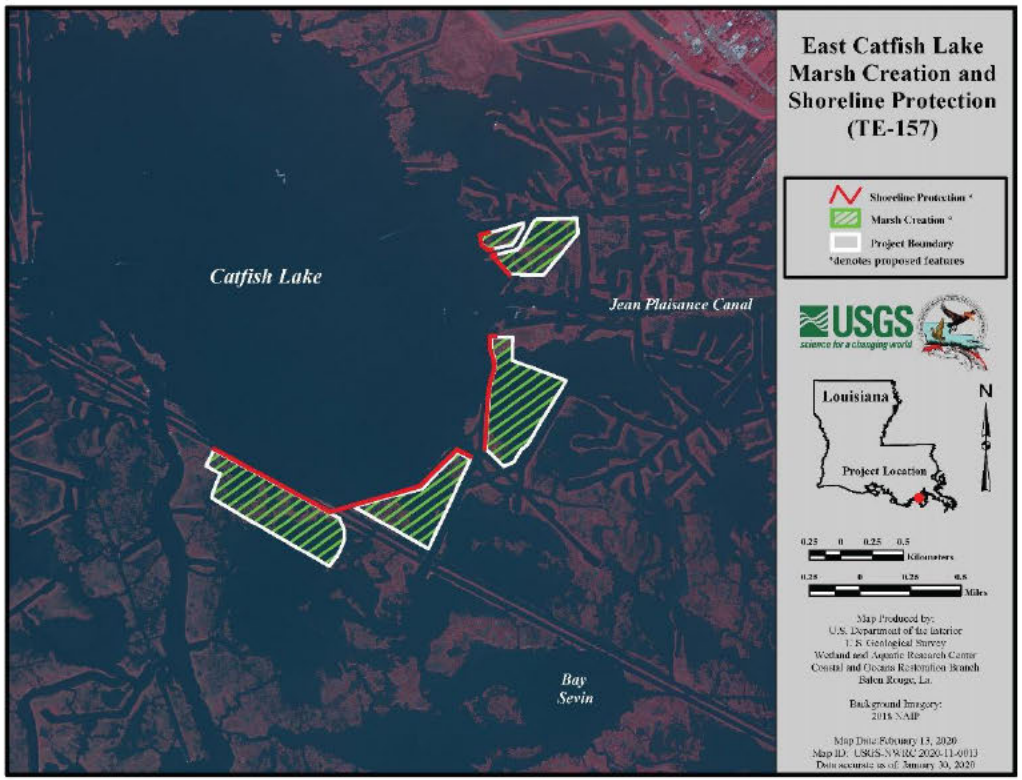
Federal Sponsor: FWS

Project Location: Terrebonne Basin, West of Golden Meadow

Date of 95% Design: N/A

Project Features:

- 306 acres of marsh creation
- 12,479 LF of shoreline protection



Recommended for Deauthorization

Project: TE-157 East Catfish Lake Marsh Creation and Shoreline Protection

Fully Funded Cost: $42,277,142

Total Approved Budget:
$3,376,249 – Phase 1 E&D

Funds Remaining: $2,374,997

Reason for Deauthorization:

- Effort to Reduce Project Backlog
- Deemed Inconsistent with 2023 State Coastal Master Plan
- Not Eligible for State Cost Share

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 12, 2023

REQUEST FOR MONITORING BUDGET INCREASE FOR ME-20 SOUTH GRAND CHENIER MARSH CREATION PROJECT

For Decision:

FWS and CPRA request the Task Force consider the Technical Committee's recommendation to approve a $928,548 Monitoring budget increase. The original fully-funded monitoring budget of $152,822, approved in January 2014 as part of the second Phase 2 approval, is inadequate to perform monitoring activities throughout the 20 year project life. A part two of the request is to repurpose the $20,898 that remains from the Phase I monitoring activities to the Phase II monitoring.

Request for CWPPRA Project Monitoring Funding Increase
Project Performance Synopsis
August 31, 2023

South Grand Chenier Marsh Creation (ME-20)

1 – Project History

The South Grand Chenier Marsh Creation (ME-20) project is located in the Mermentau Basin approximately 6 miles southeast of the town of Grand Cheniere between HWY 82 and the Gulf of Mexico (Figure 1). The goal of the ME-20 project is to create 453 acres of marsh by dedicated dredging. Sediments were dredged from the Gulf of Mexico and transported via pipeline to two marsh creation cells located near Second Lake. The western cell is approximately 176 acres and the eastern cell is approximately 277 acres.

Initially, this project was approved for Phase 2 funding in January 2010. However, land rights issues resulted in Phase 2 funds being returned to the CWPPRA program. Once land rights issues were resolved, the Task Force approved reinstatement of Phase 2 funding in January 2014. Multiple construction bid advertisements, due to bid overruns, delayed construction for several years. Construction was finally awarded after the third bid advertisement and construction was completed in September 2022.

The original monitoring budget ($152,822) from the January 2014 Phase 2 approval is insufficient for modern monitoring efforts and does not reflect current IDC rates. Therefore, a monitoring budget increase is necessary.

2 – Increase Request

This request is for a monitoring budget increase of $928,548 bringing the total fully-funded monitoring budget to $1,081,369. In addition, it is requested that $20,898 in unspent Phase 1 monitoring funds be re-purposed to the Phase 2 monitoring budget. An incremental amount of $258,362 will be requested separately to secure funds through FY26.

3 – Increase Justification

Monitoring for the ME-20 project will include elevation surveys, vegetation surveys, land/water analyses as well as Operation, Maintenance, and Monitoring reports at regular intervals throughout the 20-year project life. The current budget will not support the planned monitoring activities for this project and a budget increase is necessary.

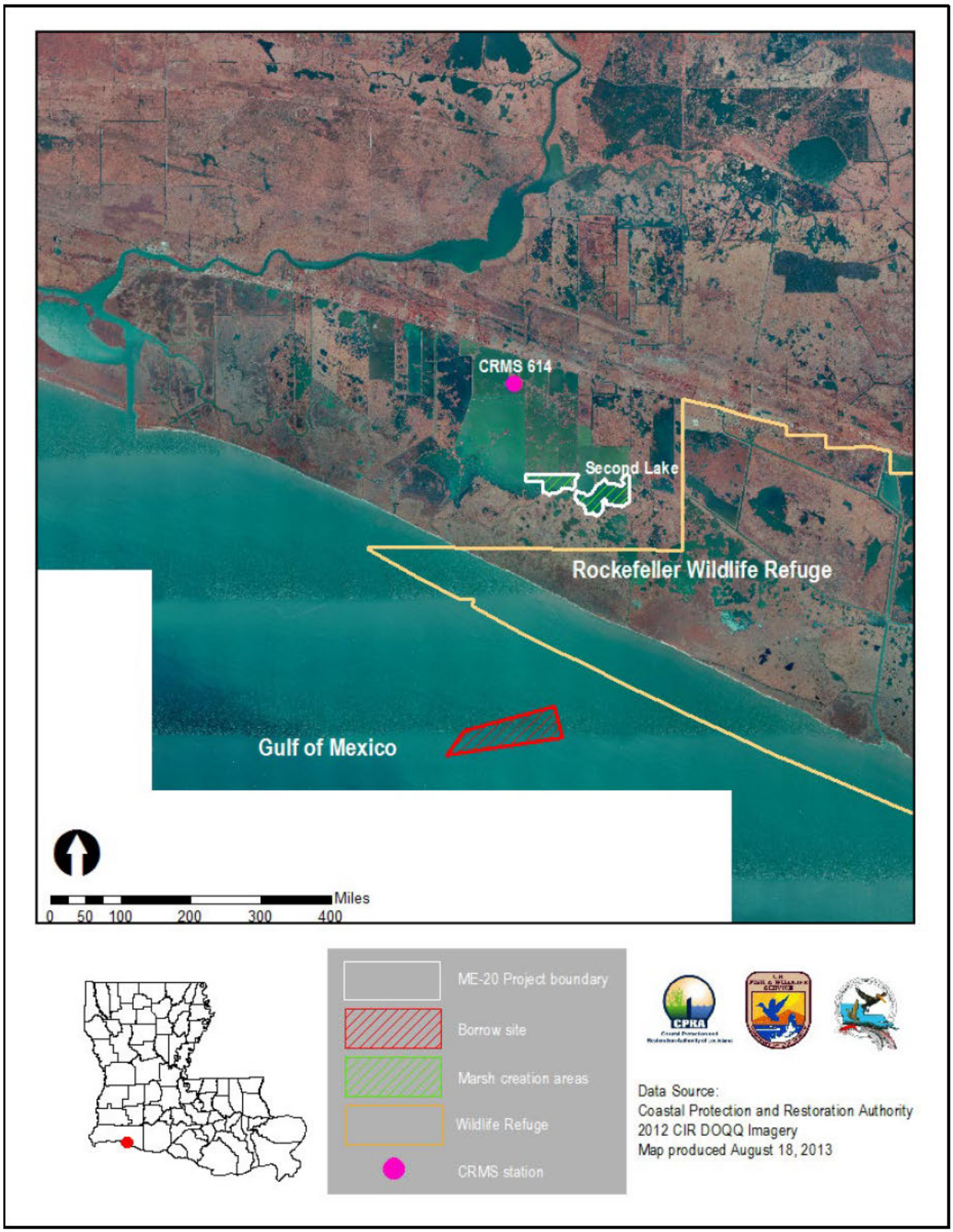


Figure 1. The South Grand Cheniere Marsh Creation Project (ME-20) and borrow area map.

Coastal Wetlands Planning, Protection and Restoration Act

ME-20 Project Monitoring Cost

Project Priority List 33 (ver.07102023)

Fully Funded Costs Total Fully Funded Costs $582,219 Amortized Costs $37,348

Year		Fiscal Year	E&D	Land Rights	Federal S&A	LDNR S&A	Corps Admin	Monitoring	S&I	Contingency	Construction Costs	Total First Cost
Phase I												
5	0.745	2018	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
4	0.769	2019	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
3	0.792	2020	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
2	0.800	2021	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
1	0.879	2022	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
0	1.000	2023	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
-1	1.072	2024	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
-2	1.100	2025	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
-3	1.128	2026	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
-4	1.158	2027	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
-5	1.188	2028	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
-6	1.219	2029	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
		TOTAL	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Phase II												
2	0.800	2021	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
1	0.879	2022	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
0	1.000	2023	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
-1	1.072	2024	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
-2	1.100	2025	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
		TOTAL	$0	$0	$0	$0	$0	$0	$0	$0	$0	$0
Total Cost			$0	$0	$0	$0	$0	$0	$0	$0	$0	$0

Year		FY	CPRA Monitoring	Contractor Tasks	CPRA IDC	IDC RATE	Total	Fed Monitoring	Fed O&M & Insp	Corps Admin				
0	1.0000	2023	$11,563	$81,716	$27,026	2.3373	$120,305	$0	$0	$0	$11,563	$81,716	$0	$0
-1	1.0720	2024	$2,609	$0	$6,099		$8,708	$0	$0	$0	$2,609	$0	$0	$0
-2	1.0999	2025	$11,379	$82,490	$26,597		$120,466	$0	$0	$0	$11,379	$82,490	$0	$0
-3	1.1285	2026	$19,229	$0	$44,944		$64,173	$0	$0	$0	$19,229	$0	$0	$0
-4	1.1578	2027	$11,979	$86,836	$27,998		$126,812	$0	$0	$0	$11,979	$86,836	$0	$0
-5	1.1879	2028	$20,242	$0	$47,312		$67,554	$0	$0	$0	$20,242	$0	$0	$0
-6	1.2188	2029	$2,967	$0	$6,934		$9,900	$0	$0	$0	$2,967	$0	$0	$0
-7	1.2505	2030	$3,044	$0	$7,114		$10,158	$0	$0	$0	$3,044	$0	$0	$0
-8	1.2830	2031	$3,123	$0	$7,299		$10,422	$0	$0	$0	$3,123	$0	$0	$0
-9	1.3164	2032	$15,221	$107,567	$35,576		$158,365	$0	$0	$0	$15,221	$107,567	$0	$0
-10	1.3506	2033	$23,014	$0	$53,790		$76,804	$0	$0	$0	$23,014	$0	$0	$0
-11	1.3857	2034	$3,373	$0	$7,883		$11,256	$0	$0	$0	$3,373	$0	$0	$0
-12	1.4217	2035	$3,460	$0	$8,088		$11,549	$0	$0	$0	$3,460	$0	$0	$0
-13	1.4587	2036	$3,550	$0	$8,298		$11,849	$0	$0	$0	$3,550	$0	$0	$0
-14	1.4966	2037	$11,840	$10,051	$27,673		$49,564	$0	$0	$0	$11,840	$10,051	$0	$0
-15	1.5355	2038	$26,165	$0	$61,156		$87,322	$0	$0	$0	$26,165	$0	$0	$0
-16	1.5755	2039	$3,835	$0	$8,963		$12,797	$0	$0	$0	$3,835	$0	$0	$0
-17	1.6164	2040	$3,934	$0	$9,196		$13,130	$0	$0	$0	$3,934	$0	$0	$0
-18	1.6584	2041	$4,037	$0	$9,435		$13,471	$0	$0	$0	$4,037	$0	$0	$0
-19	1.7016	2042	$28,995	$0	$67,769		$96,764	$0	$0	$0	$28,995	$0	$0	$0
		Total	$213,558	$368,661	$499,150		$1,081,369	$0	$0	$0	$213,558	$368,661	$0	$0

CWPPRA Project Monitoring Budget Adjustment Template

Project Name: South Grand Chenier Marsh Creation (ME-20)
PPL: 11
Project Sponsor: USFWS

Prepared By: Leigh Anne Sharp
Date Prepared: 8/31/2023
Date Revised:

	Approved Original Base Line				Obligations to Date				Proposed Revised Estimate and Schedule				
Year	FY	State Monitoring	Corps Admin	Fed S&A & Insp	FY	State Monitoring	Corps Admin	Fed S&A & Insp	FY	State Monitoring	Corps Admin	Fed S&A & Insp	Incremental request calculation
0	2023	$13,661							2023	$120,305			$106,644
-1	2024	$0							2024	$8,708			$8,708
-2	2025	$20,732							2025	$120,466			$99,735
-3	2026	$0							2026	$64,173			$64,173
-4	2027	$21,527							2027	$126,812			$279,260
-5	2028	$0							2028	$67,554			
-6	2029	$0							2029	$9,900			
-7	2030	$0							2030	$10,158			
-8	2031	$0							2031	$10,422			
-9	2032	$34,855							2032	$158,365			
-10	2033	$0							2033	$76,804			
-11	2034	$0							2034	$11,256			
-12	2035	$0							2035	$11,549			
-13	2036	$0							2036	$11,849			
-14	2037	$25,985							2037	$49,564			
-15	2038	$0							2038	$87,322			
-16	2039	$0							2039	$12,797			
-17	2040	$0							2040	$13,130			
-18	2041	$0							2041	$13,471			
-19	2042	$36,062							2042	$96,764			
	Total	$152,822	$0	$0		$0	$0	$0		$1,081,369	$0	$0	

Our incremental request is the difference between what we already received and actually needed in FY23, 24 and 25 + our request for FY26

SUMMARY:

Benefits:

Original Net Acres	Revised Net Acres

Approved Monitoring Budget vs Obligations to Date Increment Years -0 through -2

Funding Category	Approved Original Monitoring Baseline	Monitoring Obligations to Date	Difference
State Monitoring	$34,393	$0	$34,393
Corps Admin	$0	$0	$0
Fed S&A & Insp	$0	$0	$0
Totals	$34,393	***$0***	$34,393

Current Request:

Current Increment Funding Request Year	Current Funding Request Amount
Y0, 1, 2, 3	***$279,260***

Approved Original Budgeted Monitoring Funds less Monitoring Obligations to Date:

	Total Approved Original Monitoring Baseline	Monitoring Obligations to Date	Remaining Available Monitoring Budget
	$152,822	***$0***	***$152,822***

Original Approved vs Proposed Revised Fully Funded Estimates:

Approved Fully Funded Baseline Estimate	Additional Monitoring funding required for remaining project life	Requested Revised Fully Funded Estimate
$152,822	***$928,548***	***$1,081,369***

Total Approved Original Budget less Total Proposed Revised Budget

Funding Category	Original Total	Proposed Revised Total	Difference
State Monitoring	$152,822	$1,081,369	($928,548)
Corps Admin	$0	$0	$0
Fed S&A & Insp	$0	$0	$0
Total	***$152,822***	***$1,081,369***	($928,548)

Change in Total Cost and Cost Effectiveness:

Fully Funded Cost Estimate % Change	Original Cost Effectivness	Revised Cost Effectiveness
607.60%	***#DIV/0!***	***#DIV/0!***

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 12, 2023

REQUEST FOR TWO-YEAR NO COST EXTENSION FOR OAKS / AVERY CANAL HYDROLOGIC RESTORATION (TV-13A)

For Decision:

CPRA and NRCS requests the Task Force consider the Technical Committee's recommendation to approve of a two-year No Cost Extension to complete final maintenance event and complete project close out. One (1) bid opened on August 03, 2023 which exceeded the available budget. CPRA intends to re-bid the work.

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 12, 2023

REQUEST FOR FUNDING TO DEVELOP THE 2024 CWPPRA REPORT TO CONGRESS

For Decision:

As required in law, the CWPPRA Task Force submits a report to Congress that communicates the effectiveness of CWPPRA projects every three years. USACE is requesting the development of the 2024 CWPPRA Report to Congress be funded in the amount of $95,000.

2024 Evaluation Report to the U.S. Congress on the Effectiveness of Coastal Wetlands Planning, Protection, and Restoration Act Projects

1. **Roles and Responsibilities**
    - **USACE:** Main Author and Technical Editor
    - **EPA:** Graphic Designer, Support – Project Info
    - **USGS:** Support - Project and Basin Level Info
    - **NRCS:** Printer, Support – Project Info
    - **NMFS:** Support – Project Info
    - **FWS:** Support – Project Info
    - **CPRA:** Support – Project Info

2. **Planning Budget**

Need Approval **Prepare 2024 Evaluation Report (Report to Congress)**

[redacted]

Total	$95,000

Request TC/TF approval to move budget between agencies as needed

(similar to what was done with 2021 Planning Budget and Report.)

3. Objective

Based on 2021 Report

(https://www.lacoast.gov/reports/program/Report%20to20Congress_FINAL.PDF))

Report will be 20 – 30 pages and will include the following:

- Cover page
- Table of Contents
- Introduction
- One Page Per Basin*
- One page for Demo and Coastwide*
- Benefits to Fish and Wildlife
- Benefits to Coastal Resiliency (i.e. economic benefits)
- Conclusion
- References
- Appendices
- Back Cover

*one project will be highlighted in each basin. One demo project and one coastwide project will also be highlighted. Projects will be screened and selected based on agency, land gain, whether or not it has been highlighted in the last report, etc

4. **Preliminary Timeline**

Kickoff Mtg	**November 2023**
First draft development	**November 2023 – March 2024**
-Select projects to highlight	November – February 2024
-Basin write-ups	November – February 2024
-Draft Intro, Benefits, Resiliency, Conclusion	November – December 2023
-Reach out to P&E for project info/pics	February 2024 (two weeks)
-Consolidate into 1st draft	February 2024 (one week)
Review #1	**March 2024**
-TC Review	(two weeks)
-Changes/Technical Editing	(two weeks)
Present first draft at TC meeting?	**April 2024**
Review #2	**April 2024**
-TF Review	(two weeks)
-Changes/Technical Editing	(two weeks)
Present first draft at TF meeting?	**May 2024**
Graphic Design/Layout	**June – July 2024 August**
Review #3	**2024**
-TC Review	(two weeks)
-Edits	(two weeks)
Present final draft at TC meeting?	**September 2024**
Review #4	September - October 2024
-TF Review	(two weeks)
-Edits	(two weeks)
TF Approval of final draft	**October 2024**
Submittal for Print	**October 2024**

Task Force Meeting Electronic Votes
November, 2023

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 12, 2023

REQUEST FOR FUNDING FOR THE CWPPRA PROGRAM'S TECHNICAL SERVICES

For Decision:

The U.S. Geological Survey (USGS) and CPRA are requesting funding for technical services for the CWPPRA program in the amount of $266,315. The Task Force is requested to consider the Technical Committee's recommendation to approve the funding for technical services in the amount of $266,315.

United States Department of the Interior
U.S. GEOLOGICAL SURVEY

Wetland and Aquatic Research Center

May 24, 2023
Scope of Work

Technical Services to the CWPPRA Program

Accurate and timely information is critical to large, interagency programs such as CWPPRA for project planning and interacting with the general public. Due to the spatial extent of the CWPPRA program, the number of stakeholders involved, and the amount of Federal and State dollars associated with the program, the continued maintenance of project, GIS, and website data are necessary to ensure the most up to date and accurate data are available. It is the goal of USGS to provide the CWPPRA partners and the public with timely and accurate information about the program and the constructed projects, as well as aid project managers during project reevaluation.

Project Information Database Maintenance Task Description (Task 1):

WARC has created and maintains a real-time, interactive, internet-based data management system, which provides consistent, current programmatic information. This system is comprised of several synchronized database components deployed in various locations which serve specific tasks at their respective location ranging from tracking project costs to progress milestones. This information system is currently working with several CWPPRA databases including Outreach Committee's standardized public project fact sheets, CWPPRA budget analyst reports and databases, the WVA working group spreadsheets, and the USGS CWPPRA project mapping effort. Additionally, the presence of this system allows staff to "database enable" the CWPPRA fact sheets thus allowing the inclusion of real-time information which directly addresses the conflicting information problem.

As security requirements governing federal systems change, there is a need to ensure that the CWPPRA project information database complies with current information exchange policies wherever a database component is deployed.

As the primary mechanism for integrating databases across the five Task Force agencies and the State of Louisiana, this system is critical to ensure consistent, accurate information exchange and dissemination between the many moving parts of CWPPRA and ensures resources are available to address any problems or user needs in a timely manner.

CWPPRA Outreach and Website Content Task Description (Task 2):

In keeping with CWPPRA goals, the outreach group is tasked with informing stakeholders and the public about the status and accomplishments of the CWPPRA restoration program. Through the development of new and innovative content and products that are focused on 3 general themes: 1) value of coastal wetlands, 2) awareness of the Louisiana coastal land loss problem and the need for ecosystem restoration, and 3) inform both national and local target audiences on the strengths and successes of CWPPRA's wetland restoration projects. To achieve these goals, the outreach group continually fosters CWPPRA's interagency model and collaboration with NGOs, academia, and the public through the creation of innovative and engaging outreach products and materials. One of the main communication tools is the CWPPRA website and other social media platforms that allow partners and the general public to communicate with the program. To foster public awareness of CWPPRA restoration and protection projects, the outreach team is responsible for maintaining

and creating new content for the websites and social media platforms including developing public fact sheets and providing status updates on all CWPPRA projects. These informational fact sheets detail each project through every stage of its construction as well as its maintenance and monitoring lifespan within the CWPPRA program. At any time, the public should be able to search for a CWPPRA project to find its location, a comprehensive description of the wetland-related problem, the restoration strategy and its status. These fact sheets are created by the outreach staff in conjunction with project managers from each federal agency and the State of Louisiana. In addition to fact sheets, CWPPRA outreach staff is responsible for continually creating new outreach content that the public will find educational and noteworthy. Some examples include new website content, videos, and social media updates. Since the CWPPRA program is very active and dynamic, the outreach staff is constantly updating and generating new content. This includes updating materials for 508 accessibility and compliance. This task includes responding to website inquiries for more information and requests for educational materials, as well as daily maintenance and updates of text and links.

CWPPRA Website (www.LACoast.gov) Maintenance Task Description (Task 3):

The CWPPRA website currently provides a continuous online presence for federal/state partners and the general public to access the latest information on CWPPRA, its projects, partners, and other pertinent information related to Louisiana's coastal wetlands conservation and restoration. The LaCoast.gov website is an interface between the public and the program. WARC utilizes web server hardware and software, and continually performs system management, backup and recovery maintenance, and programming efforts for the www.LaCoast.gov website. The steadily increasing online security threats are minimized by performing frequently scheduled internal and external penetration tests and quickly addressing those security concerns found.

GIS Task Description (Task 4):

During Phase I of a CWPPRA project it may be necessary to reevaluate that project to facilitate a scope change at 30% or 95% design. Some projects require little geospatial work, while others need evaluations like Phase 0 (Candidate phase). This includes historic land change assessments, project specific land water, shoreline change analysis, and project map creation or editing. Typically, five to ten projects require this level of evaluation within a fiscal year. In addition, many projects are approaching their end of project life. Post-project analyses that aid in determining a path forward for the project may be needed. WARC provides the project manager with GIS support that consists of spatial data analyses, maps, graphics, and technical support utilizing the most recent spatial data sets available. Providing these products and services to CWPPRA agencies requires a standardized GIS data management environment and a good deal of coordination with those project managers. More projects are approaching this crossroads, and it is anticipated geospatial analysis in project-life decisions to increase over time.

Technical Services for FY24

Description	Cost
Project Information Database Maintenance	[redacted]
CWPPRA Outreach and Website Content	
CWPPRA Website (www.LACoast.gov) Maintenance	
GIS Support for CWPPRA Constructed Project Activities	
TOTAL	

Budget increases to Tasks are to keep pace with staff cost increases and a small increase in OH. Task 2 has not had an increased budget in 4 years, thus a larger increase from previous year for that task. Task 3 budget increase will address security vulnerabilities by updating the back-end code, framework, and libraries of the CWPPRA website. This is the second phase of a two-part modernization effort with the first part being the front-end or look and feel of the website updated last FY. As the digital threat against .gov websites increases, the Office of Homeland Security requires continual scanning and modernizing of software code to improve the security posture of the federal government.

Deliverables:

Project Information Database Maintenance Task 1

- Database hosting and regularly scheduled backups (on and offsite)
- Synchronization scripts for multi-agency database communication
- Update project information and figures
- Programming and database administration
- Federal security review

CWPPRA Outreach and Website Content Task 2

- Public outreach project fact sheet creation and updates
- WaterMarks / Landmarks digital distribution
- Social media development
- Web site content creation and management (articles, pictures, video, etc.)
- Online accessibility as required for 508 ADA compliance
- Website newsflash creation and distribution
- Fulfilling online requests for program information and outreach materials

CWPPRA Website Hardware/Software/Security Maintenance Task 3

- LaCoast website hosting on a federal server
- Website source code maintained in a version control code repository
- CWPPRA website maintained on daily basis
- Maintain LaCoast SSL Certificate
- Maintain CWPPRA email list
- Maintain users/roles for authenticated LaCoast website access (e.g. Project Managers, LUCC Calendar, Outreach Team)
- Provide summary of CWPPRA website activities
- Maintain compliance with the Dept of Homeland Security policies regarding public facing federal servers
    - Perform, respond, and reconcile internal and external penetration tests
    - Maintain web application firewall configuration settings

GIS Task 4

- Updated WVA analysis for In Phase projects (Typically 3-5 a year)
- End of project life analysis for constructed projects, as requested
- Fact Sheet maps for In Phase and newly selected PPL projects
- Miscellaneous requests for CWPPRA agencies

Points of Contact:

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COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 12, 2023

ANNUAL REQUEST FOR INCREMENTAL FUNDING FOR FY26 ADMINISTRATIVE COSTS FOR CASH FLOW PROJECTS

For Decision:

The U.S. Army Corps of Engineers will request funding approval in the amount of $50,368 for administrative costs for cash flow projects beyond Increment 1. The Task Force is requested to consider the Technical Committee's recommendation to approve the request for funds.

ANNUAL REQUEST FOR INCREMENTAL FUNDING FOR FY26 ADMINISTRATIVE COSTS FOR CASH FLOW PROJECTS

For Decision:
The U.S. Army Corps of Engineers will request funding approval in the amount of $50,368 for administrative costs for cash flow projects beyond Increment 1. The Task Force will consider the recommendation and vote to approve the request for funds for the following projects:

- Freshwater Bayou Wetland Protection, (ME-04), PPL-2, NRCS
  Incremental Funding amount: $1,517

- Sabine Structures Refuge (Hog Island), PPL-3, FWS
  Incremental Funding amount: $3,292

- Sabine Cycles 4 &5 (CS-28-4-5), PPL-8, FWS
  Incremental Funding amount: $1,582

- Barataria Bain Landbridge Shoreline Protection Phase 3, (BA-27c), PPL-9, NRCS
  Incremental Funding amount: $1,369

- Black Bayou Culverts Hydrologic Restoration (CS-29), PPL-9, NRCS
  Incremental Funding amount: $1,531

- Freshwater Intro S. of Hwy 82 (ME-16), PPL-9, FWS
  Incremental Funding amount: $1,042

- New Cut Dune (TE-37), PPL-9, EPA
  Incremental Funding amount: $1,509

- South Lake DeCade (TE-39), PPL 9, NRCS
  Incremental Funding amount: $3,176

- East Sabine Lake (CS-32), PPL-10, FWS
  Incremental Funding amount: $1,372

- Grand White Lake (ME-19), PPL-10, FWS
  Incremental Funding amount: $1,329

- Lake Borgne SP (PO-30), PPL-10, EPA
  Incremental Funding amount: $938

- North Lake Mechant (TE-44), PPL-10, FWS
  Incremental Funding amount: $1,001

- Barataria Barrier Pelican Island (BA-38), PPL-11, NMFS
  Incremental Funding amount: $817

- Coastwide Nutria Control Program, (LA-03b), PPL-11, NRCS
  Incremental Funding amount: $1,625

- Grand Lake SP (ME-21a), PPL-11, NRCS
  Incremental Funding amount: $3,033

- Little Lake (BA-37), PPL-11, NMFS
  Incremental Funding amount: $1,412

- Pass Chaland to Grand Bayou Pass Barrier Shoreline, (BA-35), PPL-11, NOAA
  Incremental Funding amount: $1,118

- Raccoon Island SP/MC, (TE-48), PPL-11, NRCS
  Incremental Funding amount: $1,011

- West Lake Boudreaux (TE-46), PPL-11, FWS
  Incremental Funding amount: $1,118

- Bayou Dupont Sediment Delivery System (BA-39), PPL-12, EPA
  Incremental Funding amount: $1,079

- South White Lake Shoreline Protection (ME-22), PPL12, COE
  Incremental funding amount: $1,536

- Goose Point (PO-33), PPL-13, FWS
  Incremental Funding amount: $1,085

- Whiskey Island Back Barrier (TE-50), PPL-13, EPA
  Incremental Funding amount: $1,066

- East Marsh Island (TV-21), PPL-14, NRCS
  Incremental Funding amount: $1,701

- South Shore of the Pen, (BA-41), PPL-14, NRCS
  Incremental Funding amount: $2,876

- Lake Hermitage Marsh Creation, (BA-42), PPL-15, FWS
  Incremental Funding amount: $1,736

- West Belle Pass Barrier Headland Restoration, (TE-52), PPL-16, NOAA
  Incremental Funding amount: $1,584

- Bayou Dupont Marsh, (BA-48), PPL-17, NOAA
  Incremental Funding amount: $1,527

- Grand Liard, (BA-68), PPL-18, NOAA
  Incremental Funding amount: $1,513

- Coastwide Vegetative Plantings, (LA-39), PPL-20, NRCS
  Incremental Funding amount: $2,999

- Oyster Bayou, (CS-58), PPL-21, NOAA
  Incremental Funding amount: $1,458

- Bayou Dupont SDS, (BA-164), PPL-22, EPA
  Incremental Funding amount: $1,458

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 12, 2023

REQUEST FOR OPERATIONS AND MAINTENANCE (O&M) INCREMENTAL FUNDING

For Decision:

The Task Force is requested to consider the Technical Committee's recommendation to approve requests for the total FY26 O&M incremental funding in the amount of $3,721,902.02.

a. PPL9+ Projects requesting approval for FY26 O&M incremental funding in the total amount of $3,425,173.02 for the following projects

- Cameron-Creole Freshwater Introduction (CS-49)
  Incremental Funding Request: $67,194.00
- Cameron-Creole Grand Bayou Marsh Creation (CS-54)
  Incremental Funding Request: $8,648.00
- Cameron Meadows Marsh Creation (CS-66)
  Incremental Funding Request: $23,485.00
- Freshwater Introduction South of Hwy 82 (ME-16)
  Incremental Funding Request: $16,955.00
- Rockefeller Refuge Shoreline Protection w/ LA-08 (ME-18)
  Incremental Funding Request: $21,749.00
- Grand Lake - Tebo Point Shoreline Protection (ME-21)
  Incremental Funding Request: $15,000.00
- South White Lake Shoreline Protection (ME-22)
  Incremental Funding Request: $190,601.00
- Four Mile Canal & Little White Lake Terrace and Sediment Trapping (TV-18)
  Incremental Funding Request: $10,000.00
- Cole's Bayou March Creation (TV-63)
  Incremental Funding Request: $15,400.00
- Barataria Landbridge Shoreline Protection Project (BA-27c)
  Incremental Funding Request: $364,415.00
- GIWW Critical Areas Bank Restoration Project (TE-43)
  Incremental Funding Request: $590,000.00
- Lake Des Allemands Swamp HR Project (BA-34-2)

Incremental Funding Request: $56,978.00

- Little Lake Shoreline Protection Project (BA-37)
  Incremental Funding Request: $2,198.00
- West Belle Pass Headland Project (TE-52)
  Incremental Funding Request: $3,878.23
- Bayou Decade Ridge and Marsh Creation Project (TE-138)
  Incremental Funding Request: $16,600.00
- Lost Lake Marsh Creation and Restoration (TE-72)
  Incremental Funding Request: $250,000.00
- Bayou Dupont Marsh and Ridge Restoration (BA-48)
  Incremental Funding Request: $18,534.80
- Grand Liard Marsh and Ridge Restoration (BA-68)
  Incremental Funding Request: $16,065.63
- Pass Chaland to Grand Bayou Pass Barrier Shoreline Restoration (BA-35)
  Incremental Funding Request: $1,564.00
- Pelican Island and Pass La Mer to Chaland Pass Restoration (BA-38)
  Incremental Funding Request: $6,586.55
- Lake Hermitage Marsh Creation (BA-42)
  Incremental Funding Request: $45,023.00
- Bayou Dupont Sediment Delivery-Marsh Creation 3 (BA-164)
  Incremental Funding Request: $15,248.81
- Coastwide Nutria Control Program (LA-03b)
  Incremental Funding Request: $1,664,347.00
- Coastwide Vegetative Planting (LA-39)
  Incremental Funding Request: $4,702.00

b. PPL1-8 Projects requesting approval for FY26 O&M incremental funding in the total amount of $296,729.00 for the following projects

- Cameron Creole Maintenance (CS-04a)
  Incremental Funding Request: $274,394.00
- Sabine Refuge Marsh Creation Cycles 4 & 5 (CS-28-4-5)
  Incremental Funding Request: $8,008.00
- Freshwater Bayou Bank Stabilization (ME-13)
  Incremental Funding Request: $14,327.00

COASTAL WETLANDS PLANNING, PROTECTION AND RESTORATION ACT

TASK FORCE MEETING

OCTOBER 12, 2023

REQUEST FOR MONITORING INCREMENTAL FUNDING

For Decision:

The Task Force will consider the Technical Committee's recommendation for approval of FY26 incremental funding in the total amount of $11,241,234.00.

a. PPL9+ Projects requesting approval for FY26 Monitoring incremental funding in the total amount of $1,003,724.00 for the following projects

- Coastwide Vegetative Planting (LA-39)
  Incremental Funding Request: $124,515.00
- Black Bayou Culverts Hydrologic Restoration (CS-29)
  Incremental Funding Request: $43,331.00
- Whiskey Island Back Barrier Marsh Creation (TE-50)
  Incremental Funding Request: $11,815.00
- Cameron-Creole Freshwater Introduction (CS-49)
  Incremental Funding Request: $8,446.00
- Oyster Bayou Marsh Restoration (CS-59)
  Incremental Funding Request: $29,105.00
- Cameron Meadows (CS-66)
  Incremental Funding Request: $97,452.00
- South Grand Chenier Marsh Creation (ME-20)
  Incremental Funding Request: $258,362
- Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
  Incremental Funding Request: $153,598
- Bayou Dupont Marsh and Ridge Creation (BA-48)
  Incremental Funding Request: $34,486
- Bayou Dupont Sediment Delivery- Marsh Creation and Terracing #3 (BA-164)
  Incremental Funding Request: $3,864
- South Lake Lery Marsh Creation and Shoreline Protection (BS-16)
  Incremental Funding Request: $55,698
- Bayou Bonfouca Marsh Creation (PO-104)
  Incremental Funding Request: $2,086
- Coastwide Nutria Control Program (LA-03b)
  Incremental Funding Request: $180,966.00

b. PPL1-8 Projects requesting approval for FY26 Monitoring incremental funding in the total amount of $237,510.00

- Cameron Creole Maintenance (CS-04a)
  Incremental Funding Request: $113,019.00
- Replace Sabine Refuge Water Control Structures at Headquarters Canal, West Cove Canal, and Hog Island Gully (CS-23)
  Incremental Funding Request: $99,491.00
- Sabine Refuge Marsh Creation Increment 3 (CS-28-3)
  Incremental Funding Request: $25,000.00

c. Coastwide Reference Monitoring System (CRMS) requesting approval for FY25 incremental funding in the total amount of $10,000,000

- Coastwide Reference Monitoring System (LA-30)
  Incremental Funding Request: $10,000,000

Enclosure 1
Technical Committee Meeting Minutes
September 14, 2023

MRCEMVN-PM-C 14 September 23
MEMORANDUM FOR RECORD

SUBJECT: Minutes from the 7 September 23 CWPPRA Technical Committee Meeting

1. The meeting was initiated at 9:30 a.m. The following Technical Committee members were in attendance:

Mr. Mark Wingate, U.S. Army Corps of Engineers (USACE), Acting Chairman
Mr. Brian Lezina, Louisiana Coastal Protection and Restoration Authority (CPRA)
Mr. Kevin Roy, U.S. Fish and Wildlife Service (USFWS)
Ms. Karen McCormick, Environmental Protection Agency (EPA)
Mr. Patrick Williams, NOAA, National Marine and Fisheries Services (NMFS)
Mr. Britt Paul, Natural Resources Conservation Service (NRCS)

A copy of the agenda is included as **Encl 1**. A copy of the sign-in sheet is included as **Encl 2**.

2. Agenda Item 1. Meeting Initiation

The meeting was conducted in a hybrid fashion, in person and via WebEx virtual meeting platform. Mr. Mark Wingate, USACE, introduced himself as Chairman and called the meeting to order. He reminded all in attendance of safety protocols of USACE. Mr. Wingate then acknowledged the hard work that the CWPPRA Workgroups accomplished over the summer and behind the scenes conducting site visits, collecting data to develop Phase I and Phase II candidate projects. Mr. Wingate then highlighted the purpose of the meeting to consider the FY26 O&M and Monitoring incremental funding requests. He then asked Technical Committee members to introduce themselves and invited opening comments from the Technical Committee. With a certificate, Mr. Wingate recognized the contributions of Mr. Steve Barone, Financial Administrative Team Representative for NMFS. He invited Ms. Cece Linder to say a few words. Ms. Linder describe the invaluable contributions of Mr. Barone and wished him well in his future endeavors. Mr. Williams and Ms. McCormick of the Technical Committee then thanked Mr. Barone for his patience and assistance with evolving financial processes.

Mr. Wingate asked the Technical Committee for any recommended changes to the agenda for today's proceedings; none were proffered.

Mr. Wingate called for a motion to adopt the agenda as is.

Decision: Mr. Lezina made the motion, which Mr. Paul seconded; the motion passed without opposition.

Mr. Wingate then asked Mr. Inman to iterate the protocol for Technical Committee participation and public comment in this hybrid meeting format, instructions which were provided on PowerPoint slides throughout the presentation.

2. Agenda Item 2. Report: Status of CWPPRA Program Funds and Projects (Ms. 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 – 32) is $3.3 billion. The total funded estimate (received since inception, and anticipated through FY2024) is $2.6 billion, leaving a potential gap of $725 million if the Program were to construct, operate and maintain all projects to date. Current Task Force-approved funding for projects in Phase I, Phase II, and O&M and Monitoring totals $2.5 billion. Authorized funding for each agency as allocated currently totals $2.2 billion.

As previously mentioned, the Program Estimate is currently $3,343,516,347 for PPLs 1 – 32. A request will be made today for the Technical Committee to the annual request for funding for Construction Program Technical Services in the amount of $266,315. An additional budget request in the amount of $95,000 was requested to cover the 2024 Report to Congress. A project budget increase of $928,548 was also requested. If all are approved, these budget increases bring the total program estimate to $3,344,806,210.

The CWPPRA Program has $82,068,130 of funding carried from the May 2023 Task Force meeting. The Program anticipates an estimate of FY24 DOI funding in the amount of $95,487,540 (which will be allocated for the FY24 construction program.) Thus, the total available funds for requests presented at today's proceedings are $177,555,670. The total of anticipated funding requests (which will be presented individually at this meeting) is $15,374,855.02. If the funding requests are approved, the Program will move forward into December proceedings with available funds totaling $177,555,670.00.

CWPPRA has authorized 236 projects. The 131 active projects including 25 in Phase I Engineering and Design, 26 in Phase II Construction and 6 support projects. There are 74 projects that have been constructed and are now in O&M phase, and 40 projects that have been closed financially. Additionally, CWPPRA has deauthorized 49 projects, transferred 10 projects, and placed 6 in the inactive category. The 6 technical support programs include Coastwide Reference Monitoring System (CRMS), Monitoring Contingency Fund, Storm Recovery Procedures, Construction Program Technical Services, the Wetland Conservation Plan, and Programmatic Signage.

Mr. Wingate opened the floor to discussion from the Technical Committee and the public;
Mr. Pat Williams expressed having $164 M is a good news story from last year's financial reconciliation. This will allow the program to deal with overruns when projects are going out for construction. Additionally, this agenda has items that will help with the backlog of projects through inactivation, transfers and those inconsistent with the State Master Plan, bringing the number of projects currently in Phase I to 18 down from 25. No comments were proffered from the public.

3. Agenda Item 3. Decision/Report: Selection of CWPPRA Academic Advisory Group Chairman (Kaitlyn Richard, USACE)

Ms. Richard explained the CWPPRA program's organizational structure is not only composed of federal agencies in the state of Louisiana, but it is inclusive of the academic community as well. They work closely with the work group and the monitoring work group in regards to the development of projects. Since the retirement of Dr. Charles Sasser, Dr. Erick Swenson has acted in the AAG Chairman capacity. We greatly appreciate Dr. Swenson's contributions and service to this program. A solicitation of interest for the AAG Chairman was sent out via

CWPPRA Newsflash, June Newsletter, emailed to 24 different professors from universities across the coastal region as well as being posted on Facebook and Twitter. Two applications were received and reviewed by the Planning and Evaluation subcommittee. Dr. John Andrew Nyman was selected for the Chairman role. He is a Professor at LSU in the School of Renewable Natural Resources. He has authored and co-authored many peer reviewed publications that are relevant to wildlife and fisheries ecology as well as wetland management and conservation. The request is a recommendation to the Task Force for approval of the selection of Dr. Andy Nyman for the Chairman position of the Academic Advisory Group.

Mr. Wingate opened the floor to comments from the Technical Committee and the public. None were proffered.

Mr. Wingate called for a motion to approve the selection of Dr. Nyman as the Chair of the CWPPRA Academic Advisory Group.

Decision: Mr. Roy made the motion, which Mr. Lezina seconded; the motion passed without opposition.

4. Agenda Item 4. Report: Status of Unconstructed Projects (Kaitlyn Richard, USACE)

Ms. Richard explained that the P&E subcommittee met twice in July 2023 (as it does annually) to assess unconstructed projects that are at least five years old. However, this year to address the backlog, projects ewndured a more thorough and rigorous review, projects at least three years old (through PPL 30) were evaluated this year. The goal is to identify projects with issues that should be addressed, especially those with issues critical enough to impede project progress. Ms. Richard provided a list of five "Critical Watch" CWPPRA projects to bring closer attention to them as issues are being resolved. In the interest of providing quality coastal restoration projects that are timely and cost effective, projects that have experienced delays due to landowner issues, State Master Plan inconsistencies, and have requested Phase II construction funding three or more times are considered for "Critical Watch." Those projects are Oyster Lake Marsh Creation and Nourishment, CS-79, Freshwater Bayou Marsh Creation, ME-31, Fritchie Marsh Creation and Terracing, PO 173, Barataria Bay Rim Marsh Creation, BA-195, Terracing and Marsh Creation South of Big Mar, BS-24.

Mr. Wingate opened the floor to comments from the Technical Committee and the public; none were proffered.

5. Agenda Item 5. Decision: Request for Final Transfer of the Long Point Bayou Marsh Creation (CS-85) Project (Karen McCormick, EPA; Brian Lezina, CPRA)

Ms. Karen McCormick highlighted the good news story regarding the transfer of the Long Point Bayou Marsh Creation (CS-85) Project. This does help with the backlog of projects to do what is best for the state. CS-85 will be transferred to the NRDA Trustees and is under construction. EPA and CPRA will return the remaining Phase I Engineering and Design CWPPRA funds to the program thus providing an opportunity to leverage other funds to get additional projects constructed.

Mr. Wingate opened the floor to comments from the Technical Committee and the public. Mr. Pat Williams stated this is a good news story and project transfers assist with the reduction of project backlog. It also leverages CWPPRA investment from E&D, and it allows projects to get on the ground with the settlement funds and restore habitat. This really exemplifies a way to get a return on the investment while leveraging and building these partnerships. None were proffered from the public.

Mr. Wingate called for a motion for Final Transfer of the Long Point Bayou Marsh Creation (CS-85) Project.

Decision: Ms. McCormick made the motion, which Mr. Lezina seconded; the motion passed without dissent.

6. Agenda Item 6. Decision: Final Transfer of the Bayou La Loutre Ridge and Marsh Restoration (PO_178) Project to the NRDA Trustee Implementation Group (TIG) (Britt Paul NRCS and Brian Lezina, CPRA)

Mr. Lezina began with how this project is a great example of CWPPRA return on investment, and is the largest marsh creation project to date. He also stated that the CWPPRA program is a keystone restoration program for the state. By transferring this project, it can be constructed with Deep Water Horizon funds.

Mr. Wingate opened the floor to comments from Technical Committee and the public. None were proffered.

Mr. Wingate called for a motion to recommend to the Task force approval of Final Transfer of the Bayou La Loutre Ridge and Marsh Restoration (PO_178) Project.

Decision: Mr. Paul made the motion, which was seconded by Mr. Lezina; the motion carried without opposition.

7. Agenda Item 7. Decision: Request for Inactivation of BS-24 Terracing and Marsh Creation South of Big Mar Project (Kevin Roy, FWS)

Mr. Roy gave a brief history of the PPL 22 project that aimed to create 392 acres of marsh and 21,500 linear feet of terraces. The project reached 95% design in October 2016. He then asserted that as part of an effort to reduce the backlog of projects currently in Phase 1, this project is no longer considered consistent with the State Coastal Master Plan and thus is requesting inactivation. Because it reached 95% design, this project will sit on the shelf and all spending on the project will cease.

Mr. Wingate opened the floor to comments from the Technical Committee and the public. None were proffered.

Mr. Wingate called for a motion to inactivate BS-24 Terracing and Marsh Creation South of Big Mar (BS-24) Project.

Decision: Mr. Roy made the motion, which was seconded by Mr. Paul; the motion carried without opposition.

8. Agenda Item 8. Decision: Request for Inactivation of CS-79 Oyster Lake Marsh Creation and Nourishment (CS-79) Project (Dawn Davis, NOAA)

Ms. Davis offered a brief overview of the PPL 25 project, designed to create 413 acres located in Cameron Parish, that reached 95% design in October 2020. She stated that NMFS and CPRA are seeking to inactivate the Oyster Lake project because design changes have made it a less cost-effective project and it has competed for construction for the last three years. In an effort to address the backlog, inactivation allows for more cost-effective projects to seek construction funds.

Mr. Wingate opened the floor to comments from the Technical Committee and the public. None were proffered.

Mr. Wingate called for a motion to Inactivation of the Oyster Lake Marsh Creation and Nourishment (CS-79) Project.

Decision: Mr. Williams made the motion, which was seconded by Mr. Lezina; the motion carried without opposition.

9. Agenda item 9. Decision: Request for Initial Deauthorization of TE-157 East Catfish Lake Marsh Creation and Shoreline Protection Project (Kevin Roy, FWS)

Mr. Roy explained TE-157 was a PPL 29 project intent on creating 306 acres of marsh and 12,500 linear feet of shoreline protection, and is no longer considered consistent with the State Coastal Master Plan. Because the project has not reached 95% design, this project will be seeking deauthorization, not inactivation, and approximately $2.4 M will be returned to the program, while helping reduce the backlog.

Mr. Wingate opened the floor to comments from the Technical Committee.

Mr. Williams stated he has programmatic comments that he will offer following the vote.

Mr. Wingate opened the floor to comments from the public. None were proffered.

Mr. Wingate called for a motion for Initial Deauthorization of TE-157 East Catfish Lake Marsh Creation and Shoreline Protection Project.

Decision: Mr. Roy made the motion, which was seconded by Mr. Lezina; the motion carried without opposition.

Mr. Williams highlighted the two examples of partnering opportunities. The previous three agenda items showcase how the backlog of projects is being handled and how projects are being moved into suspension mode. He then invited the public to take advantage of the designed projects that cannot be funded under CWPPRA and let the Technical Committee know of any interest and ideas to increase acreage habitat restoration. Mr. Williams continued that this is a call to action, all engagement is welcomed, and the program looks forward to working together to get more projects on the ground.

Mr. Wingate opened the floor for additional comments from the Technical Committee. None were proffered.

Mr. Wingate opened the floor to comments from the public. None were proffered.

10. Agenda Item 10. Decision: Request for Monitoring Budget Increase for ME-20 South Grand Cheniere Marsh Creation Project (Kevin Roy, FWS)

Mr. Roy, on behalf of FWS and CRPA explained this is an older project, since PPL 11, which first received Phase II funding in 2010. Landrights issues prevented the project from moving forward at the time. Once those landrights issues were resolved, Phase II funds were again approved. After resolving bid issues, the project was completed in September 2022, creating 453 acres of marsh. A request for a monitoring budget increase in the amount of $928,548 for the ME-20 South Grand Chenier Marsh Creation Project is presented. The original fully-funded monitoring budget of $152,822, approved in January 2014 as part of the second Phase 2 approval, is inadequate to perform monitoring activities throughout the 20 year project life. A part two request is also presented to repurpose the $20,898 that remains from the Phase I monitoring activities to the Phase II monitoring.

Mr. Wingate opened the floor to comments from the Technical Committee and the public. None were proffered.

Mr. Wingate then confirmed with Mr. Inman regarding the motion. He then called for a motion in two parts. The first part being approve the request for monitoring budget increase for the ME-20, South Grand Chenier Marsh Creation project. Then the second part is a motion to repurpose phase I monitoring to phase II monitoring budget of the ME-20South Grand Cheniere Marsh Creation Project.

Decision: Mr. Lezina made the motion, which was seconded by Mr. Roy; the motion carried without opposition.

11. Agenda Item 11. Decision: Request for a two-year No Cost Extension for Oaks/Avery Canal Hydrologic Restoration (TV-13a) (Dion Broussard, CPRA)

Mr. Broussard presented the request for a two-year, no additional cost request to complete final maintenance event and complete project close out. Following bid opening 3 August, the sole bid received exceeded the available budget, and thus CPRA will re-bid in hopes of a more favorable outcome.

Mr. Wingate opened the floor to comments from the Technical Committee and the public. None were proffered.

Mr. Wingate called for a motion for a two-year No Cost Extension for Oaks/Avery Canal Hydrologic Restoration (TV-13a)

Decision: Mr. Paul made the motion, which was seconded by Mr. Lezina; the motion carried without opposition.

12. Agenda Item 12. Decision: Request for Funding to Develop the 2024 CWPPRA Report to Congress (Kaitlyn Richard, USACE)

Ms. Richard explained as required in law, the CWPPRA Task Force submits a report to Congress that communicates the effectiveness of CWPPRA projects every three years. USACE is requesting the development of the 2024 CWPPRA Report to Congress be funded in the amount of $95,000. Typically, funds are requested from the planning budget, however, this year there is a separate request to maintain the scope of the 2021 report that includes coordination with USGS, other federal agencies, the State of Louisiana, and the drafting and the graphic design and the printing as well of the document. A draft will be ready in the spring of next year.

Mr. Wingate opened the floor to comments from the Technical Committee and the public. None were proffered.

Mr. Wingate called for a motion to approve the Request for Funding to Develop the 2024 CWPPRA Report to Congress.

Decision: Mr. Williams made the motion, which was seconded by Mr. Roy; the motion carried without opposition.

13. Agenda Item 13. Decision: Request for Funding for the CWPPRA Program's Technical Services (Michelle Fischer, USGS)

Ms. Fisher presented the USGS and CPRA request for technical services for the CWPPRA program in the amount of $266,315. Examples of funding uses include LaCoast.gov website hosting, maintenance and security protocols, back-end databases, which allows multiagency sharing of information, public outreach, web content, fact sheets, WaterMarks and geospatial support of projects in engineering and design, construction and end of life. She stated the amount is an increase to that of last year and then highlighted the upgraded LaCoast.gov website and the required federal safety protocols.

Mr. Wingate opened the floor to comments from the Technical Committee and the public. None were proffered.

Mr. Wingate called for a motion to approve the Request for the CWPPRA Program's Technical Services.

Decision: Mr. Roy made the motion, which was seconded by Mr. Paul; the motion carried without opposition.

14. Agenda Item 13. Decision: Annual Request for Incremental Funding for FY26 Administrative Costs for Cash Flow Projects (Baylissa Walter, USACE)

Ms. Walter pointed out that project-specific incremental funding requests for administrative services are provided in the Technical Committee binders, and hereby requested recommendation to the Task Force total funding approval in the amount of $98,451.

Mr. Wingate opened the floor to comments from the Technical Committee and the public. None were proffered.

Mr. Wingate called for a motion to approve the Annual Request for Incremental Funding for FY25 Administrative Costs for Cash Flow Projects.

Decision: Mr. Williams made the motion, which was seconded by Ms. McCormick; the motion carried without opposition.

15. Agenda Item 15. Decision: Request for Operations and Maintenance (O&M) Incremental Funding (Brandon Champagne, CPRA)

The request for FY26 O&M incremental funding totals $3,721,961.79. Mr. Champagne presented the request as follows, highlighting specifically those exceeding $100,000 in incremental funding.

a. PPL9+ Projects requesting approval for FY26 O&M incremental funding in the total amount of $3,425,232.79

- Cameron-Creole Freshwater Introduction (CS-49)
  Incremental Funding Request: $67,194.00
- Cameron-Creole Grand Bayou Marsh Creation (CS-54)
  Incremental Funding Request: $8,648.00
- Cameron Meadows Marsh Creation (CS-66)
  Incremental Funding Request: $23,485.00
- Freshwater Introduction South of Hwy 82 (ME-16)
  Incremental Funding Request: $16,955.00
- Rockefeller Refuge Shoreline Protection w/ LA-08 (ME-18)
  Incremental Funding Request: $21,749.00
- Grand Lake - Tebo Point Shoreline Protection (ME-21)
  Incremental Funding Request: $15,000.00
- South White Lake Shoreline Protection (ME-22)
  Incremental Funding Request: $190,601.00
- Four Mile Canal & Little White Lake Terrace and Sediment Trapping (TV-18)
  Incremental Funding Request: $10,000.00
- Cole's Bayou March Creation (TV-63)
  Incremental Funding Request: $15,400.00
- Barataria Landbridge Shoreline Protection Project (BA-27c)
  Incremental Funding Request: $364,415.00
- GIWW Critical Areas Bank Restoration Project (TE-43)
  Incremental Funding Request: $590,000.00
- Lake Des Allemands Swamp HR Project (BA-34-2)
  Incremental Funding Request: $56,978.00
- Little Lake Shoreline Protection Project (BA-37)
  Incremental Funding Request: $2,198.00

- West Belle Pass Headland Project (TE-52)
  Incremental Funding Request: $3,878.23
- Bayou Decade Ridge and Marsh Creation Project (TE-138)
  Incremental Funding Request: $16,600.00
- Lost Lake Marsh Creation and Restoration (TE-72)
  Incremental Funding Request: $250,000.00
- Bayou Dupont Marsh and Ridge Restoration (BA-48)
  Incremental Funding Request: $18,534.80
- Grand Liard Marsh and Ridge Restoration (BA-68)
  Incremental Funding Request: $16,065.63
- Pass Chaland to Grand Bayou Pass Barrier Shoreline Restoration (BA-35)
  Incremental Funding Request: $1,564.00
- Pelican Island and Pass La Mer to Chaland Pass Restoration (BA-38)
  Incremental Funding Request: $6,586.55
- Lake Hermitage Marsh Creation (BA-42)
  Incremental Funding Request: $45,023.00
- Bayou Dupont Sediment Delivery-Marsh Creation 3 (BA-164)
  Incremental Funding Request: $15,248.81
- Coastwide Nutria Control Program (LA-03b)
  Incremental Funding Request: $1,664,347.00
- Coastwide Vegetative Planting (LA-39)
  Incremental Funding Request: $4,702.00

Mr. Wingate noted a discrepancy of $52.77 between what was presented and what figure is visible on the slide. Mr. Champagne stated he may have read an incorrect amount. Mr. Wingate noted that the amount can be corrected prior to the Task Force meeting if necessary. Then he opened the floor to comments from the Technical Committee and the public.

Mr. Williams acknowledged that there were no budget increases presented, only three-year incremental requests. He also appreciated the explanation of details associated with the requests for projects seeking funds in excess of $100,000. Mr. Williams then requested additional information regarding TE-43, GIWW Critical Areas Bank Restoration project.

Mr. Champagne presented supplementary background information on TE-43 highlighting the settlement that occurred due to poor soil conditions thus requiring about 2400 linear feet of treated lumber fencing. The amount also includes mobilization and demobilization.

Mr. Wingate opened the floor for any additional comments from the Technical Committee and the public. None were proffered.

Mr. Wingate called for a motion to recommend to the Task Force approval of FY26 O&M Incremental Funding for PPL 9+ Projects totaling $3,425,232.79 as presented.

Decision: Mr. Lezina made the motion, which was seconded by Mr. Paul; the motion carried without opposition.

a. PPL1-8 Projects requesting approval for FY26 O&M incremental funding in the total amount of $296,729 for the following projects

- Cameron Creole Maintenance (CS-04a)
  Incremental Funding Request: $274,394.00
- Sabine Refuge Marsh Creation Cycles 4 & 5 (CS-28-4-5)
  Incremental Funding Request: $8,008.00
- Freshwater Bayou Bank Stabilization (ME-13)
  Incremental Funding Request: $14,327.00

Mr. Wingate opened the floor to comments from the Technical Committee and the public. None were proffered.

Mr. Wingate called for a motion to approve FY26 O&M incremental funding in the total amount of $296,729 for PPL 1-8 Projects as outline above.

Decision: Mr. Lezina made the motion, which was seconded by Ms. McCormick; the motion carried without opposition.

16. Agenda Item 16. Decision: Request for Monitoring Incremental Funding (Jessica Converse, CPRA)

The total request for FY26 Monitoring incremental funding is $11,241,234.00. Ms. Converse presented the requests as follows, highlighting those requests which exceed $100,000:

a. PPL9+ Projects requesting approval for FY25 Monitoring incremental funding in the total amount of $1,003,724 for the following projects

- Coastwide Vegetative Planting (LA-39)
  Incremental Funding Request: $124,515.00
- Black Bayou Culverts Hydrologic Restoration (CS-29)
  Incremental Funding Request: $43,331.00
- Whiskey Island Back Barrier Marsh Creation (TE-50)
  Incremental Funding Request: $11,815.00
- Cameron-Creole Freshwater Introduction (CS-49)
  Incremental Funding Request: $8,446.00
- Oyster Bayou Marsh Restoration (CS-59)
  Incremental Funding Request: $29,105.00
- Cameron Meadows (CS-66)
  Incremental Funding Request: $97,452.00
- South Grand Chenier Marsh Creation (ME-20)

Incremental Funding Request: $258,362

- Lost Lake Marsh Creation and Hydrologic Restoration (TE-72)
  Incremental Funding Request: $153,598
- Bayou Dupont Marsh and Ridge Creation (BA-48)
  Incremental Funding Request: $34,486
- Bayou Dupont Sediment Delivery- Marsh Creation and Terracing #3 (BA-164)
  Incremental Funding Request: $3,864
- South Lake Lery Marsh Creation and Shoreline Protection (BS-16)
  Incremental Funding Request: $55,698
- Bayou Bonfouca Marsh Creation (PO-104)
  Incremental Funding Request: $2,086
- Coastwide Nutria Control Program (LA-03b)
  Incremental Funding Request: $180,966.00

Mr. Wingate opened the floor to comments from the Technical Committee and the public. No more were proffered.

Mr. Wingate called for a motion to approve FY26 Monitoring incremental funding in the amount of $1,003,724.00 for PPL 9+ Projects as outlined above.

Decision: Mr. Lezina made the motion, which was seconded by Mr. Roy; the motion carried without opposition.

b. PPL1-8 Projects requesting approval for FY25 Monitoring incremental funding in the total amount of $237,510.00 for the following projects

- Cameron Creole Maintenance (CS-04a)
  Incremental Funding Request: $113,019.00
- Replace Sabine Refuge Water Control Structures at Headquarters Canal, West Cove Canal, and Hog Island Gully (CS-23)
  Incremental Funding Request: $99,491.00
- Sabine Refuge Marsh Creation Increment 3 (CS-28-3)
  Incremental Funding Request: $25,000.00

Mr. Wingate opened the floor to comments from the Technical Committee and the public. No more were proffered.

Mr. Wingate called for a motion to approve FY26 Monitoring incremental funding in the total amount of $237,510.00 for PPL 1-8 Projects as outlined above.

Decision: Mr. Paul made the motion, which was seconded by Mr. Lezina; the motion carried without opposition.

c. Coastwide Reference Monitoring System (CRMS) requesting approval for FY25 incremental funding in the total amount of $10,000,000
- Coastwide Reference Monitoring System (LA-30)
  Incremental Funding Request: $10,000,000

Mr. Wingate opened the floor to comments from the Technical Committee and the public. No more were proffered.

Mr. Wingate called for a motion to approve FY26 incremental funding in the total amount of $10,000,000 CRMS as outlined above.

Decision: Ms. McCormick made the motion, which was seconded by Mr. Lezina; the motion carried without opposition.

17. Agenda Item 17. Additional Agenda Items (Brad Inman, USACE)

No additional agenda items were proffered.

18. Agenda Item 18. Request for Public Comments (Brad Inman, USACE)

No additional public comments were proffered.

19. Agenda Item 19 and 20. Announcement: Dates of Upcoming CWPPRA Program Meeting (Brad Inman, USACE)

Mr. Inman announced the following:

The Task Force meeting will be held October 12, 2023, at 9:30 a.m. at the Tulane River and Coastal Center, New Orleans

October 12, 2023	9:30 a.m.	Task Force	New Orleans
December 14, 2023	9:30 a.m.	Technical Committee	New Orleans
January 2024	9:30 a.m.	Task Force	TBD

Dates/ locations are subject to change; those updates will be posted on lacoast.gov or CWPPRA Newsflash.

21. Agenda Item 21. Decision: Adjourn

Mr. Wingate called for a motion to adjourn this meeting.

Mr. Williams made the motion, which Mr. Paul seconded; the motion carried without dissent, and the meeting adjourned at 10:40 a.m.